Introduction to GIS: Lab 7

Spatial Analyst – Working with Rasters[[1]](#footnote-1)

The Spatial Analyst extension to ArcGIS Pro allows you to work with *raster data* as opposed to vector data.

First, you’ll go over some fundamentals of raster grids before working with rasters with the Spatial Analyst extension. Then, you’ll explore some conversion tools and calculation tools which make raster processing unique and interesting, before completing the lab production activity, which will look very familiar to those of you who completed the practical practice documents[[2]](#footnote-2) – but this time, in raster mode!

The data for this lab is available on Moodle as a link to a Google Drive file which contains the Lab Six documents. Please download and unzip your files onto a portable USB drive (this will make your life easier if you need to move computers). If you do not have a USB drive, please obtain one for the next lab session.

While the lab production activity is what you will turn in to Moodle for a grade, please note that practice questions throughout to test your own understanding of the concepts are usefully noted in **bold**. These questions are very useful for testing your capacities and will be helpful to complete the lab production as well! A separate practice answer sheet is included in with the lab zip.

This lab is divided into eight parts, which you should complete in order:

**Part A:** Foundational Raster Information

**Objective:** Absorb some fundamental concepts concerning the raster data format before analyzing and manipulating files later on.

**Part B:** The Basics of Working with Rasters (GRIDS)

**Objective:** Enable the Spatial Analyst tool and practice some raster data display.

**Part C:** Reclassifying a Raster

**Objective:** Reclassify information from one raster file into a new raster file.

**Part D:** Converting a Shapefile to Raster

**Objective:** Take a vector shapefile and convert it into a new raster file for processing needs, fun, and profit.

**Part E:** Raster Calculator

**Objective:** Explore how to manipulate raster files exactly like what they store: numbers, which you can math.

**Part F:** Creating Distance Grids and Completing the Model

**Objective:** Consider measuring distance, but this time from a raster point of view.

**Part G:** Topographic Analysis

**Objective:** Learn to manipulate digital elevation models and take your mapping to the next level.

**Part H:** Lab Production, Areas at Risk of Logging: Measuring Land Cover Risk in the Adirondack Park

**Objective:** Using your raster skills, estimate areas at risk of illegal logging in upstate New York.

# Part A: Foundational Raster Information

*Summary: Read through some foundational information on how Raster data functions, to build up an understanding of the structure and organization of the data within these grids. Note there is no video walkthrough for this section.*

[*Geospatial Technology Competency Model*](https://www.careeronestop.org/competencymodel/competency-models/geospatial-technology.aspx)*: 5.2.19.3, 4.1.11.2, 4.1.6.7, 2.3.5, 2.3.1*

The raster data format (known as a GRID file[[3]](#footnote-3) in some ArcGIS nomenclature) represents spatially explicit continuous surfaces. Examples include: digital elevation models (DEMs), aerial photography, bathymetry, remotely sensed imagery, and countless others. Any given point, or “pixel” in a raster dataset has a defined value, thus they are spatially continuous. Pixels are not assigned attributes like vector files. Instead, they have a single measurable value at any given location.

Each *pixel* in a Grid contains a single value. This number could be an actual measured value (e.g., elevation in meters), or it could be a unique code (e.g., a numeric code of 110 could be designated to mean the pixel is silty loam). Non-numeric cell values are also possible, so instead of 110, there could be a text string “silty loam” for a pixel.

The *cell size* isan important piece of information about any raster grid. Cell size tells you how much land area a single pixel represents. For example, a 30 m pixel represents the assigned value within a 30 m x 30 m (900 m2) area.

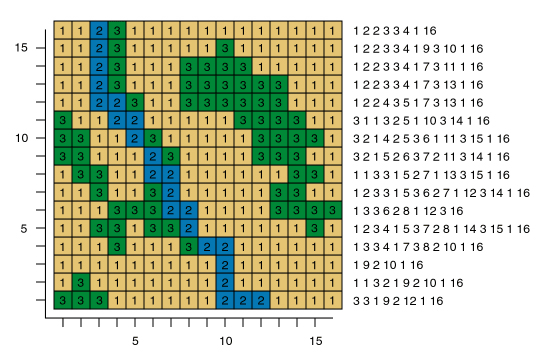
Like vector data, raster grids can be queried and overlaid with other raster or vector layers to analyze their spatial relationships. However, since the “attribute” is a numeric value, the analysis commands involve **mathematical statements** that can be very simple (e.g., elevation > 20) to more complex depending on the application.

Raster grids are typically either *discrete* or *continuous*. **Discrete** grids have a limited number of values and are usually derived from other spatial data. For example, habitat quality could be represented as a discrete grid (1 = high, 2 = medium, 3 = low). **Continuous** grids contain data that could (theoretically) have infinite values. For example, topography on Earth could be represented as a continuous grid from 0 (sea level) to 29,000 ft (Everest). You can always reclassify a continuous grid to create a discrete grid (e.g., elevations less than 1000 ft = 1, elevations greater than 1000 ft = 0 would define all low elevation areas as 1). However, once a grid is made discrete, you can never go back again to the original data.

Pixel values (in either discrete or continuous grids) can range from simple binary to complex text strings. The more complex your data values, the more memory the file will take to store and process.

|  |  |  |  |
| --- | --- | --- | --- |
| More memory intensive  🡨 | Data Format | Example Values | Use |
| Binary | 0, 1 | Represents true/false; discrete classes |
| Integer | 1, 2, 3, 4, 178 | Could be discrete (classes) or continuous (values) |
| Float | 2.9, 3.14, 1111.111 | Usually continuous values |
| Text | Flat, steep | Represents categories; discrete classes |

Raster data are easy to manipulate and read as they have specific encoding types which reveal how the data ‘looks’ within the grid. For example, with a run-length encoding, you could look at the raw raster data as it would just be stored as numbers in the order they appear in the grid: a neat organizational structure which is simple and effective.

[[4]](#footnote-4)

# Part B: The Basics of Working with Rasters (GRIDS)

*Summary: Check that the necessary extension (Spatial Analyst) is enabled for doing Raster work, and start practicing working with Raster data.*

[*GTCM*](https://www.careeronestop.org/competencymodel/competency-models/geospatial-technology.aspx)*: 5.2.19.3, 4.1.11.2, 4.1.6.7, 4.1.5, 2.3.5, 2.3.1, 2.4.2.2*

[Link to Video Walkthrough](https://youtu.be/P21rmys7Elg)

1. The analytical tools we’ll be working with this lab are part of the Spatial Analyst extension, which must be enabled in your user account. ArcGIS Pro requires that an administrator of an organization assign software licenses and extensions.
2. To check if Spatial Analyst has been licensed, open ArcPro and go to the Project tab, then Licensing. Under Esri Extensions, scroll down to Spatial Analyst and make sure it reads ‘Yes’ under the Licensed column.[[5]](#footnote-5)

Table

Description automatically generated

1. From your lab 6 directory[[6]](#footnote-6), add the **dem250k** file to your Project.
2. Zoom in to a small enough area so that you can see that the grid is comprised of individual pixels.
3. Click on a single pixel. The attribute *Pixel value* contains the measured value within that pixel. In this case, it represents elevation in meters.
4. **Practice your raster identification:** **Is this grid continuous or discrete? What is the data format (binary, integer, floating point, text)?**
5. Right click on the file in the Contents pane. Notice that the Attribute Table is grayed out. Continuous raster files do not have attribute tables.

Table

Description automatically generated

1. Investigate the layer properties for the grid, then open its Symbology pane.
2. The default color scheme is stretched grayscale. Change the color ramp to something else to make it more colorful.
3. Change the primary symbology to Classify instead of Stretch. The default number of classes is 5, but you can select any number of classes from 1 to 32 from the drop-down menu. You can change the class ranges by double clicking in the Upper value column in the Classes tab. [[7]](#footnote-7)

![Graphical user interface, application

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAeAB4AAD/4REERXhpZgAATU0AKgAAAAgABAE7AAIAAAATAAAISodpAAQAAAABAAAIXpydAAEAAAAmAAAQ1uocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFNvcGhpZSBBcmdldHNpbmdlcgAAAAWQAwACAAAAFAAAEKyQBAACAAAAFAAAEMCSkQACAAAAAzI5AACSkgACAAAAAzI5AADqHAAHAAAIDAAACKAAAAAAHOoAAAAIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAyMDIwOjAzOjMxIDA4OjQ0OjI2ADIwMjA6MDM6MzEgMDg6NDQ6MjYAAABTAG8AcABoAGkAZQAgAEEAcgBnAGUAdABzAGkAbgBnAGUAcgAAAP/hCyVodHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLjAvADw/eHBhY2tldCBiZWdpbj0n77u/JyBpZD0nVzVNME1wQ2VoaUh6cmVTek5UY3prYzlkJz8+DQo8eDp4bXBtZXRhIHhtbG5zOng9ImFkb2JlOm5zOm1ldGEvIj48cmRmOlJERiB4bWxuczpyZGY9Imh0dHA6Ly93d3cudzMub3JnLzE5OTkvMDIvMjItcmRmLXN5bnRheC1ucyMiPjxyZGY6RGVzY3JpcHRpb24gcmRmOmFib3V0PSJ1dWlkOmZhZjViZGQ1LWJhM2QtMTFkYS1hZDMxLWQzM2Q3NTE4MmYxYiIgeG1sbnM6ZGM9Imh0dHA6Ly9wdXJsLm9yZy9kYy9lbGVtZW50cy8xLjEvIi8+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczp4bXA9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8iPjx4bXA6Q3JlYXRlRGF0ZT4yMDIwLTAzLTMxVDA4OjQ0OjI2LjI4OTwveG1wOkNyZWF0ZURhdGU+PC9yZGY6RGVzY3JpcHRpb24+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iPjxkYzpjcmVhdG9yPjxyZGY6U2VxIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpsaT5Tb3BoaWUgQXJnZXRzaW5nZXI8L3JkZjpsaT48L3JkZjpTZXE+DQoJCQk8L2RjOmNyZWF0b3I+PC9yZGY6RGVzY3JpcHRpb24+PC9yZGY6UkRGPjwveDp4bXBtZXRhPg0KICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICA8P3hwYWNrZXQgZW5kPSd3Jz8+/9sAQwAHBQUGBQQHBgUGCAcHCAoRCwoJCQoVDxAMERgVGhkYFRgXGx4nIRsdJR0XGCIuIiUoKSssKxogLzMvKjInKisq/9sAQwEHCAgKCQoUCwsUKhwYHCoqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioq/8AAEQgCmgF/AwEiAAIRAQMRAf/EAB8AAAEFAQEBAQEBAAAAAAAAAAABAgMEBQYHCAkKC//EALUQAAIBAwMCBAMFBQQEAAABfQECAwAEEQUSITFBBhNRYQcicRQygZGhCCNCscEVUtHwJDNicoIJChYXGBkaJSYnKCkqNDU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6g4SFhoeIiYqSk5SVlpeYmZqio6Slpqeoqaqys7S1tre4ubrCw8TFxsfIycrS09TV1tfY2drh4uPk5ebn6Onq8fLz9PX29/j5+v/EAB8BAAMBAQEBAQEBAQEAAAAAAAABAgMEBQYHCAkKC//EALURAAIBAgQEAwQHBQQEAAECdwABAgMRBAUhMQYSQVEHYXETIjKBCBRCkaGxwQkjM1LwFWJy0QoWJDThJfEXGBkaJicoKSo1Njc4OTpDREVGR0hJSlNUVVZXWFlaY2RlZmdoaWpzdHV2d3h5eoKDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uLj5OXm5+jp6vLz9PX29/j5+v/aAAwDAQACEQMRAD8A901vUG0nQ7zUEjEhtoWlCE43YGcZrzT/AIXTP/0BI/8AwJP/AMTXqV7FHPamGeNZIpGVXR1yrAsAQQeoqv8A8Ip4e/6AOmf+Acf+FduGqYaCftocz9bHFiaeJm17CfKvS55r/wALpn/6Akf/AIEn/wCJo/4XTP8A9ASP/wACT/8AE16V/wAIp4e/6AOmf+Acf+FH/CKeHv8AoA6Z/wCAcf8AhXV7fL/+fL+9/wCZyfV8x/5/L7l/kea/8Lpn/wCgJH/4En/4mj/hdM//AEBI/wDwJP8A8TXpX/CKeHv+gDpn/gHH/hR/winh7/oA6Z/4Bx/4Ue3y/wD58v73/mH1fMf+fy+5f5Hmv/C6Z/8AoCR/+BJ/+Jo/4XTP/wBASP8A8CT/APE16V/winh7/oA6Z/4Bx/4Uf8Ip4e/6AOmf+Acf+FHt8v8A+fL+9/5h9XzH/n8vuX+R5r/wumf/AKAkf/gSf/iaP+F0z/8AQEj/APAk/wDxNelf8Ip4e/6AOmf+Acf+FH/CKeHv+gDpn/gHH/hR7fL/APny/vf+YfV8x/5/L7l/kea/8Lpn/wCgJH/4En/4mj/hdM//AEBI/wDwJP8A8TXpX/CKeHv+gDpn/gHH/hR/winh7/oA6Z/4Bx/4Ue3y/wD58v73/mH1fMf+fy+5f5Hmv/C6Z/8AoCR/+BJ/+Jo/4XTP/wBASP8A8CT/APE16V/winh7/oA6Z/4Bx/4Uf8Ip4e/6AOmf+Acf+FHt8v8A+fL+9/5h9XzH/n8vuX+R5r/wumf/AKAkf/gSf/iaP+F0z/8AQEj/APAk/wDxNelf8Ip4e/6AOmf+Acf+FH/CKeHv+gDpn/gHH/hR7fL/APny/vf+YfV8x/5/L7l/kea/8Lpn/wCgJH/4En/4mj/hdM//AEBI/wDwJP8A8TXpX/CKeHv+gDpn/gHH/hR/winh7/oA6Z/4Bx/4Ue3y/wD58v73/mH1fMf+fy+5f5Hmv/C6Z/8AoCR/+BJ/+Jo/4XTP/wBASP8A8CT/APE16V/winh7/oA6Z/4Bx/4Uf8Ip4e/6AOmf+Acf+FHt8v8A+fL+9/5h9XzH/n8vuX+R5r/wumf/AKAkf/gSf/iaP+F0z/8AQEj/APAk/wDxNelf8Ip4e/6AOmf+Acf+FH/CKeHv+gDpn/gHH/hR7fL/APny/vf+YfV8x/5/L7l/kea/8Lpn/wCgJH/4En/4mj/hdM//AEBI/wDwJP8A8TXpX/CKeHv+gDpn/gHH/hR/winh7/oA6Z/4Bx/4Ue3y/wD58v73/mH1fMf+fy+5f5Hmv/C6Z/8AoCR/+BJ/+Jo/4XTP/wBASP8A8CT/APE16V/winh7/oA6Z/4Bx/4Uf8Ip4e/6AOmf+Acf+FHt8v8A+fL+9/5h9XzH/n8vuX+R5r/wumf/AKAkf/gSf/iaP+F0z/8AQEj/APAk/wDxNelf8Ip4e/6AOmf+Acf+FH/CKeHv+gDpn/gHH/hR7fL/APny/vf+YfV8x/5/L7l/kea/8Lpn/wCgJH/4En/4mj/hdM//AEBI/wDwJP8A8TXpX/CKeHv+gDpn/gHH/hR/winh7/oA6Z/4Bx/4Ue3y/wD58v73/mH1fMf+fy+5f5Hmv/C6Z/8AoCR/+BJ/+Jo/4XTP/wBASP8A8CT/APE16V/winh7/oA6Z/4Bx/4Uf8Ip4e/6AOmf+Acf+FHt8v8A+fL+9/5h9XzH/n8vuX+R5r/wumf/AKAkf/gSf/iaP+F0z/8AQEj/APAk/wDxNelf8Ip4e/6AOmf+Acf+FH/CKeHv+gDpn/gHH/hR7fL/APny/vf+YfV8x/5/L7l/kea/8Lpn/wCgJH/4En/4mj/hdM//AEBI/wDwJP8A8TXpX/CKeHv+gDpn/gHH/hR/winh7/oA6Z/4Bx/4Ue3y/wD58v73/mH1fMf+fy+5f5Hmv/C6Z/8AoCR/+BJ/+Jo/4XTP/wBASP8A8CT/APE16V/winh7/oA6Z/4Bx/4Uf8Ip4e/6AOmf+Acf+FHt8v8A+fL+9/5h9XzH/n8vuX+R5r/wumf/AKAkf/gSf/iaP+F0z/8AQEj/APAk/wDxNelf8Ip4e/6AOmf+Acf+FH/CKeHv+gDpn/gHH/hR7fL/APny/vf+YfV8x/5/L7l/kea/8Lpn/wCgJH/4En/4mj/hdM//AEBI/wDwJP8A8TXpX/CKeHv+gDpn/gHH/hR/winh7/oA6Z/4Bx/4Ue3y/wD58v73/mH1fMf+fy+5f5Hmv/C6Z/8AoCR/+BJ/+Jo/4XTP/wBASP8A8CT/APE118UvgKa7t7ZNLsBJcv5cO7SiokbOMBjHg8+9bf8Awinh7/oA6Z/4Bx/4Ue3y/wD58v73/mH1fMf+fy+5f5Hmv/C6Z/8AoCR/+BJ/+Jo/4XTP/wBASP8A8CT/APE16N/wjnhf7Ubb+x9I88J5hi+yxbtucbsYzjPGaP8AhHPC/wBqFt/Y+keeU8wRfZYt23ON2MZxnjNHt8v/AOfL+9/5h9XzH/n8vuX+Ry/hD4iT+KdXksjp0dqI4vNLiUvn51XGMD+9nPtXeDrVAaJpWm/vtO0yztJWZFLwW6oxG8HGQOnA/Kr46159eVKU70o2XY9HDxqwhatLmfcin/1a/wDXRP8A0IVD4hnv7bw7fTaPGZL1ISYVC7jn2Hc+g7mpp/8AVr/10T/0IU++uZLSykuIraS6aMbvJixvYZ5xnAJxnjv0rKGkkay+FmDokelahZxahpmrX9/LCA8uL+QlmxyrxFtq55+XaPbFaEXiOxl8LnXv3iWixNKwdQHXbkFSM/eyMYz1rDv4Y9W17Tb7QNOu7bUEuFe6u5bSS2Hkcb0cuF8wngADdjHYVUlsZ/8AhLZPDCIf7OuLkas5zwI8/NHjsDKAcehNd7pxqP3m++u6S3X+W3oeeqsqa91J9Lrq3t+Oj33Wp0TeKIv7QFhDp1/NeG2S68hEQEIxIwWLhQRjkE/TNVo/G1nNp0t9b6fqEtvbZF2wiVTasPvKwZgSR1O3dirFtbzL481C4aGQQvYQIspU7WYPJkA9MjI496z7OyuU8H+IoTbSrNNNetGhjIaTdu2kDvnjHrUctK23br33Neaq3a/dbdl/X9ajda1CKHxx4fuY1kuBNaXHkpCuWlJ2EAZwB9SQB1JArasNegvL24sp4J7C7t0EjwXW0Exn+MFWZSueMg8HriubVbvT9S8J3L6deSw2+mPFcmKFmMJKR9VAznI+6OeuAcVbe0uPEevXt3FDcWlmumyWMUlxE0TSvIQSwRgGCrgckDJzjpVzpw5Unsk9f+3n/X4mVOpPncurcdP+3Y3+4vt4tg+xtfpp2oSaYvJvljTy9ndwpbzCo9QnQZGRzVe+kSb4gaDJEwdHsrllYHIIPl4NV4NQng8Hro76TfHU47QWggFq5jZtu0HzceXt75LdPfiltdIutP1/wzCyPKllpssEs6qSgbEYGT2zg4zSUIQba0+JLzXK9f60Y5TnOCT1+FvyfNHT8/uNN/EqOZ20/Tb/AFGC3Zlkntlj2hlzuVd7qXIx/CD6deKln8R6fHpdrfQO90l4QtrHAmXmY9gDjHQ5zjGDnFZGg3T+GtGOk39jfST2zyeW1vaPKtwrOzKQ6gqCc4IYjB68c1RttF1DRbPw7ez2zzmxmne6t7cb2iE+eVA+9szggZPXGaXsad7eenno/wBbelyvbVLXW/Xy1X/B9baG/F4njbWE0ufTb+2vJInmWOVYyCq46MrlTnOMA9uccZli8R2Mvhc69+8S0WJpWDqA67cgqRn72RjGetYr6h/aHxH0ho7a4ihSzuAslxE0Rc/JkBGAYAcckc546VSlsZ/+Etk8MIh/s64uRqznPAjz80eOwMoBx6E0/YQdrqztd+l2n+Avbzi5Wd0nZfNJr8dPmdzbzfaLWKby3i8xA2yQDcuRnBwSM1JSMu5SpzgjHBwfzqlZaRbWExlgkvHYrtInvZphj6OxGfeuH3Xc7veVluLqmrW+kwxtOJJJJn8uGCFd0kr9dqj8OpIA7kVzj6g178R9ISWyubKWK0uCY7gLyDswQUZlPQ98jHI6Vf8AEdvcRaxo2rw28lzBYSyCeKFSzhZE27wo5baeoHODxVRp59U8e6ZcwWF7HZQ2k6G5mt3iBZtvGGAI6dSBnnGcV2UYxUeZdpfJ2en9dzjryk3yvvHTvqtf67eZfl8WWkaS3CWt3Lp8Ehjlv0RfKQg4Y8sGIB6sqkdeeDU1z4jhg1l9Kgsru8u1gW4CQKmChJGdzMAMY7kdRjNctpOj2Vno7aNrdjrck8bvEUgkujBcqzEggo3lgEEZDFcHOcV0NjZvb+N710gkS2GnW8UblTtJVpPlB7kAj86c6dGLdul/R7W6ihUrSSvbW3qvw/z+4ij8bWc2nS31vp+oS29tkXbCJVNqw+8rBmBJHU7d2K1Lqxj1cW8v226W127wltO0IkyOGLKQ3TsCBzznisOzsrlPB/iKE20qzTTXrRoYyGk3btpA754x61Vnnvk0/Q9JlTUbOyOno15PaWkskpYKAIQUUlD1JPXjAxR7KLl+70s/Xpf/AIawe0kl+81T/RpL7+v+RPp+pTwaN4nQXctzb6a8q2txJJucARhiu/qxViRknPqam8JjSruysprfV5r2/S2R50/taSbDFQG3R7yvUnqODWjp15p1lozx6VYXkVtZR8QCxljYjk4UOoLk89MnPXrWbqJ/t/WtHk0yzuo3sroTS3k9rJB5cW0hkG8KW3cDABHc44p35nKNml322XX1/q5NuVRldNq+m+76em233DrSCTxLe6vLc3t7bw21y9nbJa3Lw7NoG5ztI3Esf4sgY6dazYdSuNUtvC016wa5j1SSCVgMbmRJV3Y98Z/GtKxmk8N3mq29xZXk8Vxctd2r21s8ok3gZQlRhSGB+9gYI561kXfha8k0DQ9OmNxFNLfSzXUtqcmAyJKT8w4ABYLnofxrSPLfXbS3/gLv/wAHzInza231v9+n/A8jrtN1q31a4uVso5ngt32fasDypGHUIc5bHQnGM960awfDE91b2/8AYuo2LW89igRZooSLedAAAytjAPqvUHP4b1cFaKjOy2/rU76MnKF5b/l5f1vuFFFFZGoUUUUAFFFFABRRRQAUUUUAFYXinX73w7Yi9t9K+326/wCtZZ9jR+5G08e9btI6LJGySKGRhhlYZBHpQBheFfEF74jsTe3GlfYLZv8AVM0+8ye4G0YHvW3LIYoXkCNIUUtsQfM2B0HvTkRY41SNQiKAFVRgADsBS0AeZNHfy33hy3TSrwzaPIZ7pNq5CO/ykfNz91vyr02oVtIEvpLtUxPLGsbvk8qpJAx0/iP51NQByPjXyhdWDadv/wCEh3YshBjcV/i39vL65z/jR4K8o3V+2o7/APhId2L0T43Bf4dnby+mMf4V1X2aD7V9p8mP7Rs8vzdg37c52564zzij7NB9q+0+TH9o2eX5uwb9uc7c9cZ5xQAy8/1A/wCuif8AoQpR1pLz/UD/AK6J/wChClHWgCKf/Vr/ANdE/wDQhVuqk/8Aq1/66J/6EKt0AIc7TtIBxwSM1n6fpRtb65v7qcXF5chVd1TYqoudqquTgck8k5JPsBo0VSk0ml1JcU2m+gUUUVJQUUUUAFFFFABVe8iu5VjNjdJburZbzIvMVxgjBGQepByCOlWKKadncTV1Yy7XR5E1aTVL67FzeGLyYtseyOFMgkKuSckgEkk9ABin6fpRtb65v7qcXF5chVd1TYqoudqquTgck8k5JPsBo0VbqSZCpxX5hRRRWZoFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAQXn+oH/XRP/QhSjrSXn+oH/XRP/QhSjrQBHN/qx/vr/6EKtVVm/1Y/wB9f/QhVqgAoorM1m7kto4/JcqzE5xWGIrRoU3UlsioxcnZGnRXLNq14y483H0qubmYnJlbP1rxpZ5SXwxbOhYeXVnY0VR0eZp7AF23MGIyavV7dGqq1NVF1OeS5XYKKK5/xL4usvD0O1j594/EcCHkn39K1JOgorkfDVhq2pXi654gkaNsH7ParwqKe5rrqACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAgvP9QP+uif+hClHWkvP9QP+uif+hClHWgCOb/Vj/fX/ANCFWqqzf6sf76/+hCrVABXP6/Jm6RPRc10FcvqzbtQmZiFSPqzHAFePnEn9X5V1ZvQXv3KQBJwOTVC+1iG1uFs7VPtl85wsCHhfdj2rP1HWLu/vG0nw6haTpNckcIPb/GtTRfDY0q3JgjknuJP9bcEZLH0HtXjU8HDDw9pXV5dI/wCZ0Oo5O0fvOp0JxtlTpjBwDnB71r1gaMskF8VlRl3L3Fb9e/lk3LDK6tZs5qytM5XxP4pl0++j0rTlDXc6/K/UITwOKxYLG50XUNPOq2cOoXLRy3VzLsDSLhlAIJ5ON3Su3GjaeNQN99lQ3JOTIck1nah/yNsP7wR/8Sy4+cjhfnTmu+Cld8zIk42Vi+mu6U8asNStRuGcNMoI+oJ4p6avpssixx6hau7EKqrOpJJ7AZrkxNBZ6faB9Z0OVnRmae5tQTL8x5GCOB0/Ci/+zz6bo9zG+n3D/wBtW6+dZQ7Fxu6dSc/jWjVnYg7iiiikAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFADJvM8iTyNvm7Ts3dM44zXmR/4WvuOMYz2+y16ZchWtZQ8hiUoQXBxtGOv4V4W2g+FN5z40yc8n+y5T+uaAOn/AOLr/wCfsteiaN9vOjWv9sBRfeWPP24xu/Dj8uK8S/sHwn/0Of8A5Spf8a9n8NxQQeGbCO0uzeQrCoScgjzB64PT6dqALl5/qB/10T/0IUo60l5/qB/10T/0IUo60ARzf6sf76/+hCrVVZv9WP8AfX/0IVaoAK5/xToV3rdmLayeCFWYGV3JDH6YBpPFXjTTvCH2X+0obqX7Vv2fZ0Vsbduc5Yf3hXPf8Ln8Pf8APnqf/fqP/wCLrb6jVrwuoXTOaWOoUJ8sppNHX6Lolvo+nR26BXdVAeTHLEVp4rz3/hc/h7/nz1P/AL9R/wDxdH/C5/D3/Pnqf/fqP/4utVl+IirKDM3mWFbu6iPQsUV57/wufw9/z56n/wB+o/8A4ut7wz460nxT9p+xLPb/AGbZu+1BE3bs4xhjn7p/SpnhK9OPNONkVTxmHqyUITTbOkrJ1TRp77UIru1vRbOkLwMrQiQOrEE9SP7taH221/5+Yf8Av4KPttr/AM/MP/fwVzHWY1toOo2dulva6rBFCmdqLYKAOc/3qS48PX97JafbtXWSK2uo7kRpaKm5kOQM5ra+22v/AD8w/wDfwUfbbX/n5h/7+CgCaimRzRTZ8qRHx12sDin0AFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAjoskbJIoZWBDA9xXMf8ACt/CZ/5hX/kxL/8AFV1FFAHL/wDCtvCf/QK/8mZf/iq6Gys7fT7KK0s4xFBCoVEBJwPxqeigCC8/1A/66J/6EKUdaS8/1A/66J/6EKUdaAI5v9WP99f/AEIVaqrN/qx/vr/6EKtUAVL7StO1PZ/aVha3nl52faIVk25xnGRxnA/Kqn/CKeHv+gDpn/gHH/hWtRVqpNKyZm6cJO7SMn/hFPD3/QB0z/wDj/wo/wCEU8Pf9AHTP/AOP/Ctain7Wp/M/vF7Gn/KvuMn/hFPD3/QB0z/AMA4/wDCrFroek2O77Fplnb78bvKt0TdjpnA56mr1FJ1JtWbGqcIu6SIfsdr/wA+0P8A37FH2O1/59of+/YqaioNCH7Ha/8APtD/AN+xR9jtf+faH/v2KmooAZHDFDnyo0TPXaoGafRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAQXn+oH/XRP/QhSjrSXn+oH/XRP/QhSjrQBHN/qx/vr/6EKtVVm/1Y/wB9f/QhVqgDgpvEXjLUPFGuaf4dg0VoNKZBi8Eokk3JuABU4z1647Vv+H/FllrXh+y1G4aOwe7ZoxBNKAfMUkMqk43dD07VxlppGs6t8QfF8ejeIG0ePzYVmCWqytIDHxhiQVI55Hr7Va8UeG9OsE8G6DHGz2K6gY2V25kBUltxGPvEnP1NC+FedvxCW78rnXJrH2vXLJNO1HSZ9PngdyFn3TyEHAMYBwVGDk1ZGv6OXhQatYlrhzHCouUzIwOCq88kHjArlLi0trD4vaFbWNvFbQJps+yKFAir8xPAHArjJtF04/BvVtVa0jbUEvnMdyR+8jxOBhW6gYJ4HGSTSvt8/wA7Ds729Pyuex2+q6fd3s1na39tNdQf62COZWePnHzKDkc+tMTW9Kl1I6fHqdm96CQbZbhDICOSNuc1wl3pdlofxB8IPpNnHBJPbXCzeUu1p8RZG4/xHPc81xFpOt9rGi6gklvbXY1qFLmwttL8o2rGQjDXB+ZycE7ST36YqkrtL+t7Et6X+Z7m2s6Yk5gfUbRZhKIDGZ1DeYRkJjP3iO3Wnxapp89jJew31tJaxbvMnSZSiY65bOBjvXF+FtH0+88eeKb28tIri4t75BC8qhvKOwHKg9DkDkc8Vj6xZz2fiTUfB1sCtt4iu4ruMrnCRkk3H/oHT/apLW3n/wAD/gj2v5HqcUsc8KTQSLJFIoZHRsqwPQgjqKzk8TaDIJjHrenOIF3SlbuM+WM4y3PAyQOfWk8QR2cXhPUIrsSR2S2jpJ9nX5kj2kHaPYV514GTS9SvrrQrGGw1WwOnNDJq1rp72kgDEDZKCMMTgYI5+Un1o6uwdE2epS39nAkDzXcEa3DBIS8gAlY9AvqT2AquNf0cvCg1axLXDmOFRcpmRgcFV55IPGBXAeDVu9X17TtM1Fdw8JxyRzEg4eYsUjPPXCLnPvWBNounH4N6tqrWkbagl85juSP3keJwMK3UDBPA4ySaNL+X6XS/UEm9Ou3z1PY7fVdPu72aztb+2muoP9bBHMrPHzj5lByOfWuX8G+LkudCM3iTVrWO5kvZoYfPeOIuqsAABxnGR+dZc+k2OjfEbwadLtY7VriC4Wdo1wZsRZy5/iOTnJ5NchY3nhWPwZqtnq2mtPrN1cXCWZNqzvKxbC+W+MLhjyMjvwc8mz+T/BoN/wAPxTPbr7UbLTLfz9SvLe0h3bfMuJVjXPpknGaw/FevGDwDqGsaBfQyNHFuhuYSsq5DAHHUHuK4m+ht9E1jw5c/EC2e40uHSFtw80Rmihuv4t6gHJKjHQ5xntkVZo4JfCvjnUdCtmtvD91HF9kHlmNJHXAdkUgYXP8AnjAU/hlbz/Acd18j1KHV7a00CzvtYvbe2WWGMtNcSLGpYrnqcDPXirdre2t9aLdWNzDc27Z2zQyB0ODg4I47V5lrLadYeItA1LxhbGfQf7JWGF5ITNDFcEZO5ADyVHHB/TIzpbSW+8N+M7zwjZzxaJeeSbWOOMxibaR5zRoRkKRnt7dsCpbv5/LW2pMdkvQ9Ug8Q6Ldbfsur2E2+QRL5dyjbnPIUYPX261PFqmnz2Ml7DfW0lrFu8ydJlKJjrls4GO9eUS3/AIT1DV/CT+EbFIfL1KJJ5Y7YxYO3hHJA3t3z82Oefm5t6xZz2fiTUfB1sCtt4iu4ruMrnCRkk3H/AKB0/wBqi2tvl+X/AA4X0v8AP8z1OKWOeFJoJFkikUMjo2VYHoQR1FPpscaRRrHEoREAVVAwAB0FOpD9QooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAILz/UD/ron/oQpR1pLz/UD/ron/oQpR1oAjm/1Y/31/8AQhVqqs3+rH++v/oQq1QAUVSs11G7sYLj7Tap50avt+zMcZGcZ31N9m1H/n8tf/AVv/jlAE9FQfZtR/5/LX/wFb/45R9m1H/n8tf/AAFb/wCOUAT0VB9m1H/n8tf/AAFb/wCOUfZtR/5/LX/wFb/45QBPXO6T4XntPEVxresarJql4yGG3JhWJbeItnaFHU/7XU1t/ZtR/wCfy1/8BW/+OUfZtR/5/LX/AMBW/wDjlHW4dLE9VtQgubnTp4bC7+xXLoRHceUJPLPrtPB+lO+zaj/z+Wv/AICt/wDHKPs2o/8AP5a/+Arf/HKAM3w14eTw9YzI91Je3d1MZ7q7kGGmkPU47Djgdq2ag+zaj/z+Wv8A4Ct/8co+zaj/AM/lr/4Ct/8AHKAJ6Kg+zaj/AM/lr/4Ct/8AHKPs2o/8/lr/AOArf/HKAJ6Kg+zaj/z+Wv8A4Ct/8co+zaj/AM/lr/4Ct/8AHKAJ6q6lazXumXFtbXclnNIhEdxGMmNuzY789u9P+zaj/wA/lr/4Ct/8co+zaj/z+Wv/AICt/wDHKAOXsPBeoPrtpqnifxHNrL2JLWsQtUt0RiMFiFJ3H06Vd0nwvPaeIrjW9Y1WTVLxkMNuTCsS28RbO0KOp/2uprb+zaj/AM/lr/4Ct/8AHKPs2o/8/lr/AOArf/HKAJ6Kg+zaj/z+Wv8A4Ct/8co+zaj/AM/lr/4Ct/8AHKAJ6Kg+zaj/AM/lr/4Ct/8AHKPs2o/8/lr/AOArf/HKAJ6Kg+zaj/z+Wv8A4Ct/8co+zaj/AM/lr/4Ct/8AHKAJ6Kg+zaj/AM/lr/4Ct/8AHKPs2o/8/lr/AOArf/HKAJ6Kg+zaj/z+Wv8A4Ct/8co+zaj/AM/lr/4Ct/8AHKAJ6Kg+zaj/AM/lr/4Ct/8AHKPs2o/8/lr/AOArf/HKAJ6Kg+zaj/z+Wv8A4Ct/8co+zaj/AM/lr/4Ct/8AHKAJ6Kg+zaj/AM/lr/4Ct/8AHKPs2o/8/lr/AOArf/HKAJ6Kg+zaj/z+Wv8A4Ct/8co+zaj/AM/lr/4Ct/8AHKAJ6Kg+zaj/AM/lr/4Ct/8AHKPs2o/8/lr/AOArf/HKAJ6Kg+zaj/z+Wv8A4Ct/8co+zaj/AM/lr/4Ct/8AHKAJ6Kg+zaj/AM/lr/4Ct/8AHKiuBf2kaSvcW8i+bGjKLdlJDOF67z6+lAEt5/qB/wBdE/8AQhSjrSXn+oH/AF0T/wBCFKOtAEc3+rH++v8A6EKtVVm/1Y/31/8AQhVqgDMOrJpHhfT5TDJcTTRxQ29vFjdNIVGFGSAOhJJ6AE0y51rVdM0y5vNV0q2jWIIUFtemUMSwUglo1IIyDwDnnpVO/trn+x/D2qWdu902mFJ5LePG+RDCyNtB6sA+QO+MdcU7XdQGueGr6DTrLUGdRGf3tjLCSfMXgB1BbgE8AgUIGbdxrOmWl/HY3WpWkF3Ljy7eSdVkfJwMKTk5NOk1bTotSTT5b+1S9kGUtmmUSMOeQucnofyriPGH9qXy63ZLDqC5VRa29lp4dLpdqkvJMyMMg5AUFGG3jJIrScTWviyUadb3c6Xc4a/t7ixbyxiIASxT4C5+VRtJbJ6BeTS/r+v6/wCAM3JNfsJLe7/s3UNOubi1wJI2vFVY2zjDsAxTnI6deKoy+MLGPxS+j/aNPQW8QkuZZr5UZCc4VUwdxGBnJXAYdc1zqQXreG77TLC2vLnT4IIFtHubB4LhP3gzEQVHmAAA7go9yx5roZ9KOo+I9dguYpBa3mmQQCXadpOZs4PqNwPtkU3pr/X9f1sHf+uxvm4hF0LYzRidkLiLcNxUHBbHXGSOakrlfBRvNQF1q+qJtuCEsl5yCIch2HsZDJ+AFdVTEFFFFIYUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAU73WNM02RU1HUbS0dxlVnnVCw9Rk0zUZEm02OSF1kRp4CrKcgjzU5Bpur6Dp2urAup2yzC3lEseeMEdvoe471JqgC2CBRgCeAADt+9WgBt5/qB/10T/0IUo60l5/qB/10T/0IUo60ARzf6sf76/+hCrVVZv9WP8AfX/0IVaoAo6dqEMGl2kMsd0skcKKw+ySnBCgH+GrP9rW3926/wDASX/4mpaKAIv7Wtv7t1/4CS//ABNH9rW3926/8BJf/ialooAi/ta2/u3X/gJL/wDE1Fc3tnd2zwSi+VJBgmKGeNh9GUAj8DVqigCpZ3WnafZxWlnBcRQQqFRFtJeB/wB88/Wpv7Wtv7t1/wCAkv8A8TUtFAEX9rW3926/8BJf/iaP7Wtv7t1/4CS//E1LRQBF/a1t/duv/ASX/wCJo/ta2/u3X/gJL/8AE1LRQBF/a1t/duv/AAEl/wDiaP7Wtv7t1/4CS/8AxNOklSFQZDgE4GATUf2yH+83/fDf4UAO/ta2/u3X/gJL/wDE0f2tbf3br/wEl/8Aiab9sh/vN/3w3+FH2yH+83/fDf4UAO/ta2/u3X/gJL/8TR/a1t/duv8AwEl/+Jpv2yH+83/fDf4UfbIf7zf98N/hQA7+1rb+7df+Akv/AMTR/a1t/duv/ASX/wCJpv2yH+83/fDf4UfbIf7zf98N/hQA7+1rb+7df+Akv/xNH9rW3926/wDASX/4mm/bIf7zf98N/hR9sh/vN/3w3+FADv7Wtv7t1/4CS/8AxNH9rW3926/8BJf/AImm/bIf7zf98N/hR9sh/vN/3w3+FADv7Wtv7t1/4CS//E0f2tbf3br/AMBJf/iab9sh/vN/3w3+FH2yH+83/fDf4UAO/ta2/u3X/gJL/wDE0f2tbf3br/wEl/8Aiab9sh/vN/3w3+FH2yH+83/fDf4UAO/ta2/u3X/gJL/8TR/a1t/duv8AwEl/+Jpv2yH+83/fDf4UfbIf7zf98N/hQA7+1rb+7df+Akv/AMTR/a1t/duv/ASX/wCJpv2yH+83/fDf4UfbIf7zf98N/hQA7+1rb+7df+Akv/xNH9rW3926/wDASX/4mm/bIf7zf98N/hR9sh/vN/3w3+FADv7Wtv7t1/4CS/8AxNH9rW3926/8BJf/AImm/bIf7zf98N/hR9sh/vN/3w3+FADv7Wtv7t1/4CS//E0f2tbf3br/AMBJf/iab9sh/vN/3w3+FH2yH+83/fDf4UAO/ta2/u3X/gJL/wDE0f2tbf3br/wEl/8Aiab9sh/vN/3w3+FOjuI5X2oTnGcFSP50AH9rW3926/8AASX/AOJo/ta2/u3X/gJL/wDE1LRQBF/a1t/duv8AwEl/+JqvfX0V1AkUMdwXM8R5tpFGBIpJyVwOAau0UAQXn+oH/XRP/QhSjrSXn+oH/XRP/QhSjrQBHN/qx/vr/wChCrVVZv8AVj/fX/0IVaoAxdP1bUtQ1G5SLT7VbK3unt2ma8bzDt7iPy8d+m6rS6vbQ6Ut/ql1Y2sJYjzRdBoupA+dgoyfTHXjmszw/owj1HUr64F7FMdQmZFNzKsbKcAN5e7YfriufTT9QtrXw9czHU7S3to7hJDZ2qyywyO3ysY2jc4KhhkLkbuwJpdF6foHV/M7F9ZhN/psFtsuIdQWRknjkBUBVByMcMDn1qC+8T6fbXcVpb3NtdXbXMdvLbx3C+ZFuYLuKjJ4z0OKyLDTGt7vRmsBfSRF7yVpbyDYys4zllCqEBOSBgHnpms+3ic6L4d0s6PeC+06+gNy5tHCRlWIeUSEbWDEk5UnhsnHNP7SXmv+CL7LfqegUUUUDCiiigAooooAKKKKAK179yP/AH/6GqZljWVYmkUSMCVQtyQOuBVy9+5H/v8A9DXN30bzalcXUPzS2CIUUdzyWX8VIFAGzvQyGMMu8DJXPIHrj8KdWFHdtPfSyWb4+1SrAkuM7VWPcSAe/Jq/p8szXF3BLKZhBIFWRgATlQcHAA4z6UAWJry1tnC3FzDEzDIEkgUn86mrAjMyahNPHdSM094tuFKqRsXk9u3zD/69Pjv7y6ud8DTKBPs8vycRiNWwzM5HJ4P3T6cdaANpXRywRlYqcMAc4PoaFdGZlVlLL94A8j61jWUs0scUUD+SbtpLl5QASF3cAZ4zgjk54FQQSzxWf2oXMggmuJGluURGcKPlUkYxjjnA/rQB0VFNQERqGbcQOWx196dQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABUlr/AMfY/wBw/wAxXPvY68fEyypquNJK7jD5Ue4N/cztzjvnOa6C1/4+x/uH+YoAvUUUUAFFFFAEF5/qB/10T/0IUo60l5/qB/10T/0IUo60ARzf6sf76/8AoQq1VWb/AFY/31/9CFWqACiiigAooooAKKKKACiiigAooooAKKKKAK179yP/AH/6GqUcMcTSNGuDI25znqcAfyArTkiSZQJBkA5GCRUf2OH+63/fbf40AZA0qzW1W3SHZGrl12OylW9QQcirEEEdtEI4V2rnPXJJ9Se596v/AGOH+63/AH23+NH2OH+63/fbf40AY8OmxJbQxzEyPFIZRICUO4kkng+54qRNPto52lRGDMSxXe23J6nbnGffFan2OH+63/fbf40fY4f7rf8Afbf40AZH9lWflRR+W+2EFU/evwD1XOeRx0PFJ/ZNlsRBEwRFChBIwUgHOCM4PJ75rY+xw/3W/wC+2/xo+xw/3W/77b/GgCpRVv7HD/db/vtv8aPscP8Adb/vtv8AGgCpRVv7HD/db/vtv8aPscP91v8Avtv8aAKlFW/scP8Adb/vtv8AGj7HD/db/vtv8aAKlFW/scP91v8Avtv8aPscP91v++2/xoAqUVb+xw/3W/77b/Gj7HD/AHW/77b/ABoAqUVb+xw/3W/77b/Gj7HD/db/AL7b/GgCpRVv7HD/AHW/77b/ABo+xw/3W/77b/GgCpRVv7HD/db/AL7b/Gj7HD/db/vtv8aAKlFW/scP91v++2/xo+xw/wB1v++2/wAaAKlSWv8Ax9j/AHD/ADFT/Y4f7rf99t/jTo7eOJ9yA5xjJYn+dAEtFFFABRRRQBBef6gf9dE/9CFKOtJef6gf9dE/9CFKOtAEc3+rH++v/oQq1VWb/Vj/AH1/9CFWqACiuD0qRtD17UtUaRv7PvdUktrtWPywvkCOX2BJ2H6qexqxoepXi6Zpmk6UbeO6uDdTtNcIzpHGkxB+UFSxJdR94Y5PsRapPv8A5XDq12O0orlJfEOrxr9iVLM6impLYvJsbymVovMWQLuyOCMruPQjPIIZqGua/atrBgOnMmj28c0heBwbg7CzKMP8nQ4J3dR1xmjpf+trhZ3sddRXOW2talBqRh1drBYprBr2J0DRiDaQGV2ZiGA3j5wF6HistPEl1fxalYXUsN1HJpc1xFcQ2M1spwMEDzCRIp3AhlOPzFKWi/rpf/Ia1f8AXW3+Z29Fcvpsrve2VtbRWiXA0WN4rqSDe6kkDacEErwDtBHPemWet6qbTVLy+1DSlsLY+Vb3jWzwo8gOGYgytlQflABBY5AI4Jpqz+/8HYlO6+78dTq6K4K+8Rate+G/EEMVwsNzYwJKl0LCe1LIwbgRyMGVgVOGyR7Vq3erHR9QmuNVhtbiaz0hrl7mG3KSNh/uLlmIU4HGTzzS/r8Lj32/rb/M6iiuej1HWrG+00aw1jLDqDmLZbROjW8mwuBuLHzBhSM4XscdqpaT4j1if+xbnUlsRa6q7QiKFHDxsFZlbcWIIOw8YGMjk0BfS5093I6InlttLPgkAeh9aredN/z2b8l/wqe9+5H/AL/9DWJdalJb6tDAEUwEDznPVCxIX9RQBqedN/z2b8l/wo86b/ns35L/AIVQOoLHeXKzFUhgVBuwcl2zwPXjHA55qe3uobpWaFidrbWDKVZT6EHBFAFjzpv+ezfkv+FHnTf89m/Jf8Kx31V5NQlghdYY4mWMvLbSNucnGMggDqPrnPSrj6jax3HkNId+4KcISqsegLAYB9iaALnnTf8APZvyX/Cjzpv+ezfkv+FZ8Wor5MstyQqee0UQRSzPg46DJJyD07VHDrETmZ5dwjEpjiVYnLthQWJXGeD7UAannTf89m/Jf8KPOm/57N+S/wCFRowdFdeVYZHFOoAd503/AD2b8l/wo86b/ns35L/hTaKAHedN/wA9m/Jf8KPOm/57N+S/4U2igB3nTf8APZvyX/Cjzpv+ezfkv+FNooAd503/AD2b8l/wo86b/ns35L/hTaKAHedN/wA9m/Jf8KPOm/57N+S/4U2igB3nTf8APZvyX/Cjzpv+ezfkv+FNooAd503/AD2b8l/wo86b/ns35L/hTaKAHedN/wA9m/Jf8KPOm/57N+S/4U2igB3nTf8APZvyX/CpbaWRrja8hYbCcED1HoPesNvEulJrH9lNcOL3OPK8iT+e3GPfOK2bX/j7H+4f5igC9RRRQAUUUUAQXn+oH/XRP/QhSjrSXn+oH/XRP/QhSjrQBHN/qx/vr/6EKtVVm/1Y/wB9f/QhVqgDPTRLMWV9aSK00F/JJJMkmCDv6gcdKoQeEbS102wtrS9vYZ7AOIbxXUzYc5YNuUqwPup6A9Rmt+igDIi8OWsaQbpriWaO7+2PO7Lvml2lctgAYwcYAAGBipLjQbW5XVVkeYDVIhFNtI+UbCny8cHB75rToo6WDZ3Mq98PWWoN/pJlZTZSWRUNgGN9uT0zn5RzVePwrCLiS4u9Rv7yeS0ezLzNGMRtjoFQDIx1xnnnPGN2ijf+v67ht/X9dkY83hu3ljZY7u7t2NiLESROoZYweoJU4b3qvF4SRNJGmyavfy20axiBCsCeQUYMjLsiHIKj72R6iugooAwl8J2rQ6mt3eXl2+qQLDcSyuoYhQwBXaoCnDdhjgcZzmwPD1tIzNfzTXzSWhs5TPsHmRliTkKqjPOOMf1rVooAx7Lw6lrc28txqF9fC0BFtHdMhWHI25BVQWO3jLFjgn1NLF4ctIbXSoFknK6XJ5kJLDLHay/Nxzwx6Y7Vr0UAVr37kf8Av/0NYxsWuZNQ+0rtS42xpz/CF6/mTW3do7onlruKvkgEeh9areTN/wA8W/Nf8aAMCCzv0SK5uofNnW5MkkaOuSNmwEZOPfnFaNjBIktxczrse4cHy852KBgAn1q95M3/ADxb81/xo8mb/ni35r/jQBhQxS3EMFxHGZEkvWmcKQDtGQp57cKaLXTp0naO4Sd0E7zAmRBETksp4+cnOODx+lbvkzf88W/Nf8aPJm/54t+a/wCNAGFa213bLZSGzZ3jidHTeg2uxB3deh56c+1MW0vksoVFs63oLSCdJF2o7MSwYE8rjHY10Hkzf88W/Nf8aPJm/wCeLfmv+NADfrRTvJm/54t+a/40eTN/zxb81/xoAbRTvJm/54t+a/40eTN/zxb81/xoAbRTvJm/54t+a/40eTN/zxb81/xoAbRTvJm/54t+a/40eTN/zxb81/xoAbRTvJm/54t+a/40eTN/zxb81/xoAbRTvJm/54t+a/40eTN/zxb81/xoAbRTvJm/54t+a/40eTN/zxb81/xoAbRTvJm/54t+a/40eTN/zxb81/xoAbRTvJm/54t+a/40eTN/zxb81/xoArmztzfC8MKG5VPLEu35guc4z6Vatf8Aj7H+4f5im+TN/wA8W/Nf8altopFuNzxlRsIySPUeh9qALdFFFABRRRQBBef6gf8AXRP/AEIUo60l5/qB/wBdE/8AQhSjrQBHN/qx/vr/AOhCrVVZv9WP99f/AEIVaoAKK53QfEc+peIdX0y9ijiNrMfsrJkebGDtOck8g4z0+8KZo3iv7fd63JeeTb6dYMphmOQWT5gWJz0JQ44HBHWjpf5h1sdLRXP3/jLT7TRb6+gjuZpLNAz2z2s0UnIO0lWTcFOD82McHnio5vGFrbav5V15sdq1ktyg+xzGbO9gxMe3cFAUclRjPXkUf1+oHSUVmXPiHTbVbctNJMbmPzYUtYJJ2dOPn2xqx28jnGORRL4i0uKxtrsXJliu/wDUCCJ5Xl4ycIgLHGDnjjvigDTorI8Pa1/bkN9MhQxQ3bwRFVKkqFU/MDyGySCOMYxitegAooooAKKKKAIbm5+z+UFikmeV9ipHtyTtLdyB0U0z7Rc/9Ay6/wC+4v8A4ui5/wCP7T/+vg/+ipKfFrOnza1PpMdypv7eNZZIMEEI3Q8jB/Dp3oAZ9ouf+gZdf99xf/F0faLn/oGXX/fcX/xdWra9t7xpxbSbzbymGX5SNrgAkc9eCOlPmnit1Vp5UiVmCKXYDLE4A57k8YoApfaLn/oGXX/fcX/xdH2i5/6Bl1/33F/8XWjRQBnfaLn/AKBl1/33F/8AF0faLn/oGXX/AH3F/wDF1dnnjtreSedtsUSF3bGcADJPFNF3A1iLwP8AuDH5ofB+7jOcdelAFT7Rc/8AQMuv++4v/i6PtFz/ANAy6/77i/8Ai6j03xNpeq3EcFpLOJJY/NiWe1lg81OPmTzFG4cjpnqK1aAM77Rc/wDQMuv++4v/AIuj7Rc/9Ay6/wC+4v8A4utGoLm9t7NoFuZNhuJRDF8pO5yCQOOnAPWgCr9ouf8AoGXX/fcX/wAXR9ouf+gZdf8AfcX/AMXWjSMwVSzEAAZJPagDP+0XP/QMuv8AvuL/AOLo+0XP/QMuv++4v/i6cmtWEi2LLM2NQYra7omHmEKW7jgbVJBOAR06ir9AGd9ouf8AoGXX/fcX/wAXR9ouf+gZdf8AfcX/AMXWjUFle2+o2UV3ZyeZBMu5H2kZH0PNAFX7Rc/9Ay6/77i/+Lo+0XP/AEDLr/vuL/4urU95BaywRzvsM77IyVOC2M4J6Antnr0FT0AZ32i5/wCgZdf99xf/ABdH2i5/6Bl1/wB9xf8AxdaNFAGd9ouf+gZdf99xf/F0faLn/oGXX/fcX/xdaNFAGd9ouf8AoGXX/fcX/wAXR9ouf+gZdf8AfcX/AMXWjRQBnfaLn/oGXX/fcX/xdLHds10sE1rNAzIzqZChBAIB+6x/vCtCqFz/AMhm1/695v8A0KOgCeiiigAooooAgvP9QP8Aron/AKEKUdaS8/1A/wCuif8AoQpR1oAjm/1Y/wB9f/QhVqqs3+rH++v/AKEKtUAcZeeH9X+z3NxpqrDqH9ozmJmYYME2FY9e3D465QDvTdS8J3Mltqdrp8WyAJZfZUE5j80QEkpuU7lzgDd6nNdrRRsren4B1v8A1qcbLoUl3oesi00i/tby4s/IjOo6iZ2l6naD5sgUZPXI5PStS2tby41+TUZbKS2STTVgCyuhZXDuSp2sR0IOQcVvUUmr/wBev+Yf1+X+RxWg6brHh1LO4l02a+L6ZBazQwTR+ZA8ZY/xsqlTv7N1A4OciW10jVNJudP1IWbXrg3fn2cEiBovPkEgKlyqnbtCnkdciuwoqm23cDE8M2t7bR6lJqNqLV7q/knSMOHwhVcZI78c++evWtuiikAUUUUAFFFFAFa5/wCP7T/+vg/+ipK5q90+efxNrOo6agbUtOe3mtx080eVh4s+jrx7Hae1dLc/8f2n/wDXwf8A0VJV5IIo5pJY4kWSXHmOqgF8DAye+KAOB0/WINQ0m7azW5lOq6yyW8cNybY7vKVyHkHzIBtOduWyMYPSqpV9R0B4NRuZmFl4hhtozDqUsmxTJHlfN+VnwWIBYZHY8ZrvpdF0qa0ktZtMs5LeWQyyQvbqUdzyWIxgn360v9kaabGSy/s61+yy48yDyF2PgADK4wcBQPwHpQtLfL8Lf5fiD/z/ABv/AJnJ6rqT6fo3jQfb5YjZoi27PcMWizboFwScgls89Sc96sfaBBqniLU9QvL42+mRo8cMM7BUBgBYhMhWJ7BsgHn3roZtC0i4kjkuNKspXii8mNnt0YpHgjYCRwuCRjpyatC1t1MpEEQM/wDrSEH7zjHzevHHPah7DXT+uxwEU17a3+oWExkihn0Oa4NtLqkl64IICs28fISGYEKxU49snq4f+RHj/wCwcP8A0XVq10LSbGMpZaXZW6MrKVht0QENjcOB0OBn1wKuCGIQeSI0EW3Z5e0bduMYx6Y7UpK8Wu//AAf8xR0kn2/4H+Rw+ji8trnwlJqc9veLLaGK1it4TC0GYQxdss2/5V25G0Dd0ORiok2ow+E9DkivLiefWLlIrma51CSJQu1yqK4DeWWIVdyjcc9ckEdvYaFpGlStLpelWVlI67We3t0jLD0JUDip306yk082MlnbtZldpt2iUxkem3GMVUnd3/rcUVZWOQI1CwsG02/aSeS8v1is7e21eVmi/d7yslyyrIF+UtxlsEAZHFY8upapHog+zxjULvT9faK2g+1tPkiFjs81gGfDMRzzxjNd/wD2Bo4006eNJsfsRbebb7Mnl7vXbjGfepotLsIERILG2jVHEiKkKgKwXaGGBwQvGfTil1+79P8AIf8AX5/5nF3IdtFtdSh1O+1WyWOa5v0hv3trgtkAui7htVMOPKyoHuw56HxHMreC55I3cwyRIGc53eUxUMT/AMBJq3N4c0S4uDPcaNp8sxk8wyPaozb+PmyRnPA59hV6eCK6t5ILiNZIpUKOjDIZSMEGjp/X9f19x1MDxCCPEHhtYE3PFcTSiNR/CLdx+Ayyj8RWJ4YOu6guk6zLcwKLlybktq0sglBVt0QtzGERlI/hORsOSec9fp2jWemfvIo1kuSgjku5EXzpVH3QzgAtgADn0p0Wi6XDqT6hDptnHevndcpAokbPXLYyaA3RxujPdW1v4Wv5NRvrmbUZnhuBNcsyOhjkYfITtBBRfmAyeck5ql4Wnvr/AEdraW/fSrq1sW/s2IyFYpAwx9oY9Hwx27Tnb1xkg16IthZrHAi2kAS3O6FRGMRHBGV9OCRx6moptF0u5t4oLjTbOWGEERRyQKyxgjB2gjAyOOKB9bnKM6p4P122eO+gvrEAvHdXjXQWYKGjaORiTgnaR0IP8IruBnaM9e9Zo0DTo4Le3tbaO0tIJhP9mto1jjdwcgsAOxAPGOQM5rSpkoKKKKQwooooAKKKKAOffw1cP4tXVBrN+tnty1iLl9hk9cZxtx/D61o3P/IZtf8Ar3m/9Cjq/VC5/wCQza/9e83/AKFHQBPRRRQAUUUUAQXn+oH/AF0T/wBCFKOtJef6gf8AXRP/AEIUo60ARzf6sf76/wDoQq1VWb/Vj/fX/wBCFWqACise48Qqt7Pbafpt9qb2xxO1qIwsbYzt3SOoZsc4XOOM4yKuWmpw3l7dWsaSLJaiMvvXAO9dwx36dc4oAuUUUUAFFFFABRRRQAUUUUAFFFFAFe9+x+SP7R8jyt3Hn425/Hv1qj/xT3/UM/8AIdXbn/j+0/8A6+D/AOipKnv9U0/SoVl1S+trKN22q9zMsYY+gLEc0AZf/FPf9Qz/AMh0f8U9/wBQz/yHWza3dvfWqXNlPFcQSDKSwuHVvoRwaloAwf8Ainv+oZ/5Do/4p7/qGf8AkOt6igDB/wCKe/6hn/kOj/inv+oZ/wCQ63qKAMH/AIp7/qGf+Q6P+Ke/6hn/AJDreooAwf8Ainv+oZ/5Do/4p7/qGf8AkOt6igDB/wCKe/6hn/kOj/inv+oZ/wCQ63qKAMH/AIp7/qGf+Q6P+Ke/6hn/AJDreooAwf8Ainv+oZ/5Do/4p7/qGf8AkOt6igDB/wCKe/6hn/kOj/inv+oZ/wCQ63qKAMH/AIp7/qGf+Q6P+Ke/6hn/AJDreooAwf8Ainv+oZ/5Do/4p7/qGf8AkOt6igDB/wCKe/6hn/kOj/inv+oZ/wCQ63qKAMH/AIp7/qGf+Q6sWX9lecf7O+x+bt58jbux+HbpWtVC5/5DNr/17zf+hR0AT0UUUAFFFFAEF5/qB/10T/0IUo60l5/qB/10T/0IUo60ARzf6sf76/8AoQq1VWb/AFY/31/9CFWqAOR0PWNO8PRXmma7eQ2F2l5PMPtLhPtCSSM6uhP3+DjjJBGDUGp3sdrL4mnkto7mJ/siMk7FIwrqFLSHGQoBy3HQEGu1opdLB1ueY2aWLW+v2Y1XS7XTm+ySCa1tjFYlizZBTzCCrbQjEMAeR1BpbybSX0WyuZLXRYUt/tHl6RM+bW++YAyW7YA3cfKQp++RjndXptFMDzLVYorzWdSTWr/TdKcpH/Z66jZtJNFGYxgwN5q4cPuyFBbcBnsK1FFlbePI972Or3s0yo24bbyxIiHzAc5iOCSPlALn72a7mimtGLpYKKKKQwooooAKKKKAK1z/AMf2n/8AXwf/AEVJUes6XeX11YXWnXsNrNZSO48+3MyPuQryA6nv1zUlz/x/af8A9fB/9FSU/UtGtNVaNrv7QrRBgrW91LAcNjIJjZSRwOD6UmBF4d1SXWNFjurmJIpxJJDKsbbk3xuyMVPoSpI+tadQ2lpb2FpHa2UKQQRLtSOMYCipqp7gFFFFIAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooA595/FI8WrbJDYHR2XzDcmN94HTZ9/73vjGK0bn/kM2v8A17zf+hR1fqhc/wDIZtf+veb/ANCjoAnooooAKKKKAILz/UD/AK6J/wChClHWkvP9QP8Aron/AKEKUdaAI5v9WP8AfX/0IVaqrN/qx/vr/wChCrVABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAENzbfaPKKyyQvE+9Xj25B2le4I6MaZ9nuf8AoJ3X/fEX/wARTNQXzJbOIvIqyTkN5blCR5bnGQQeoFQPHYRuVe4ugQcEfaZv/iqwrYijh0pVpqKfdpfmNRb2LX2e5/6Cd1/3xF/8RR9nuf8AoJ3X/fEX/wARVInTB1ubr/wIm/xppl0odbq6/wDAib/GuX+1MB/z/h/4Ev8AMv2VT+V/cX/s9z/0E7r/AL4i/wDiKPs9z/0E7r/viL/4is83GkDrd3X/AIET/wCNNN3o463l1/3/AJ/8af8AaeB/5/Q/8CX+Y/Y1f5X9xpfZ7n/oJ3X/AHxF/wDEUfZ7n/oJ3X/fEX/xFZZvtFHW9uv+/wDP/jTTqWhjrfXX/f8An/xp/wBpYL/n9H/wJf5j+r1v5H9zNb7Pc/8AQTuv++Iv/iKPs9z/ANBO6/74i/8AiKyDqugjrf3X/f64/wAaadY8PjrqF1/3+uP8af8AaGD/AOf0f/Al/mV9Wr/yP7mbP2e5/wCgndf98Rf/ABFH2e5/6Cd1/wB8Rf8AxFYh1vw6Ouo3X/f24pp17w2OupXX/f24p/X8H/z9j/4Ev8x/VMR/z7f3M3fs9z/0E7r/AL4i/wDiKPs9z/0E7r/viL/4isA+IvDI66ndf9/bikPiXwuOuqXX/fy5p/XsJ/z9j/4Ev8x/U8T/AM+5fczoPs9z/wBBO6/74i/+Io+z3P8A0E7r/viL/wCIrnT4o8Kjrql1/wB/LmmnxX4THXVbr/v5c0/ruF/5+R+9FfUcX/z6l/4C/wDI6T7Pc/8AQTuv++Iv/iKPs9z/ANBO6/74i/8AiK5k+LvCI66tdf8AfdzTT4y8Hjrq91/33dU/rmG/5+R+9D/s/Gf8+pf+Av8AyOo+z3P/AEE7r/viL/4ij7Pc/wDQTuv++Iv/AIiuWPjXwcOusXX/AH1dU0+OPBg66zdf99XVP61h/wDn4vvQ/wCzsb/z5l/4C/8AI6v7Pc/9BO6/74i/+Io+z3P/AEE7r/viL/4iuSPjvwUOutXX/fV1/hTT4/8ABA663dfnd/4U/rND+dfeh/2Zjv8AnzP/AMBf+R1/2e5/6Cd1/wB8Rf8AxFH2e5/6Cd1/3xF/8RXHH4heBh11y6/O7/wpD8RfAg667dfnd/4U/rFH+dfeiv7Lx/8Az4n/AOAv/I7L7Pc/9BO6/wC+Iv8A4ij7Pc/9BO6/74i/+Irm9F8V+E/EOoiw0fVbq4uSpcJ5lynA68tgV0X9mwf37r/wLl/+KrWMozV4u5yVqFahLkrRcX2aaf4jvs9z/wBBO6/74i/+IpY7Rlulnmupp2VGRRIEAAJBP3VH90Uz+zYP791/4Fy//FVGkIttWhSOSYq8EhZZJncEhkwfmJ9T+dUYl+iiigAooooAgvP9QP8Aron/AKEKUdaS8/1A/wCuif8AoQpR1oAjm/1Y/wB9f/QhVqqs3+rH++v/AKEKtUAcno2k6f4livNT16zhv55LueFEuUEi28ccjIqoDwvC5JGCSeegq0b/AFa9vb+30J7KGHTWEB+1xPK00mwPjIddoAZRuO4kk8cc2ZfDii9uLnTtTvtN+1HfPFamMpI/d8OjbWPcrjOMnnmkuPDUcl1NPaajfWBuVVblbeRSJ8DaCd6sQ2ONylSeOeBS1tp/TDqYo8RQi+/4SGSJli/sAXRiByR8+duf0zWnHqOtWN9po1hrGWHUHMWy2idGt5NhcDcWPmDCkZwvY47VdPhzTixBh/cfYvsP2fPyeVnp657dajsvDqWtzby3GoX18LQEW0d0yFYcjbkFVBY7eMsWOCfU0/Tz/Ng/6+5DfC9/qWraRHqGpG1VbhQ0UUEbAp1BJYsc564wMeprMHiu4tptVm1KS1hTT45pDpxhdLgxocLIHLYdWx1C4G4DOQa6PTNPi0rTILG3Z2igXapkILEe+AKz28MW1xcvLqV1daihSWOOG5KbYlk+8AVUMeOPmJwKH5D06mR4gOu/8IlPNqTWEhc27JBBG8ZjfzkO0uWbcO24KPXHan3viq/0Q6lb6olvdXMCW72xtYZFD+c5QKVy7Ehh25I6DPFaS+GFNg1ldatqN3BiMRrM8ZMYRgwwQgJ+6AS24471Lf8Ahqx1K6vJ7ozFruCOFtr7dnlsWVlIGQwZs5z2FAltqYbeKtXt9M1OVrYXD20cckE8mnXFnG5Z9pjKyknI4OQT16cc2JdS8TJqd7pyy6SZbe1W7W4NvJtYMWAjKeZnOUPz7un8NabeH/P0+4tNQ1S/vVn2AvMYwUCnI2hEUdepIJPrVttKgbUri+LSebcWy2zDI2hVLEEcdfnP6UnfoOPn/X9anNT+Mrm5ktYdNjNu8lhFeSu2nXF6F8zO1MRYx0PzE/QHnHTaTeTaho9rd3Ns9pNNEGkgkBBjbuMEA/mBWePCsEAtG0/UL2wmtrVbTzoDGWljX7ocOjKSOSDgEZPY1swReRbxxb3k8tQu+Rss2B1J7mqdtbEq+lyvef8AH1Yf9fB/9FPWXe/8fcv+8a1Lz/j6sP8Ar4P/AKKesu9/4+5f9418Nxp/udP/ABfozrw3xlN6rvVh6rvX5lE9WBA9QPU71A9dETrgQPVd6sPVd66InVAheq71Yeq710ROqJA1QPU7VA9dETqiQPUD1O9QPXRE6okD1XerD1XeuiJ1wIHqB6neoHroidUSB6gep3qB66InVArvUD1O9QPXRE6okD1A9TvUD10ROqB3HwZz/wALGhx/z7y5/KvoqvnX4Mg/8LGhx/z7y5/Kvoqvpcv/AIPzPyrjD/kZL/CvzZjt4q0dNc/sdrmQX+7b5P2eT887cY984q7J/wAhm2/695f/AEKOpDZWxv1vTBGbpYzGJtvzBc5xn0zUcn/IZtv+veX/ANCjr0D48t0UUUAFFFFAEF5/qB/10T/0IUo60l5/qB/10T/0IUo60ARzf6sf76/+hCrVVZv9WP8AfX/0IVaoAKKKKACiiigAooooAKKKKACiiigAooooAp6g3ly2cpSRljnJby0LkDy3GcAE9SKgeSwkcs9vdEk5J+zTf/E1p0VhWw9HEJRrQUku6T/Mak1sZJGmHrbXX/gPN/hTTFpR62t1/wCA83+FbFFcv9l4D/nxD/wFf5F+1qfzMxjb6Qetpdf+A8/+FNNpo562d1/34n/wrbop/wBmYH/nzD/wFf5D9tV/mf3mEbHRT1srr/vxP/hTTpuhnrY3X/fif/Ct+in/AGbgv+fMf/AV/kP6xW/nf3s586VoJ62F1/35uP8ACmnR/D566fdf9+bj/Cuiop/2fg/+fMf/AAFf5FfWa/8AO/vZzZ0Tw6eunXX/AH6uKadB8Nnrpt1/36uK6ain9Qwf/PqP/gK/yH9bxH/Px/ezlz4d8Mnrpl1/36uKQ+GvC566Xdf9+7mupop/UcJ/z6j/AOAr/If1zE/8/JfezlD4X8Knrpd1/wB+7mmnwp4TPXSrr/v3c11tFP6lhf8An3H7kV9exf8Az9l97/zOQPhHwieuk3X/AHxc00+DfB566Rdf98XVdjRT+p4b/n3H7kP+0MZ/z9l/4E/8zjT4K8HHro91/wB83VNPgfwYeujXX/fN1XaUU/quH/59r7kP+0cb/wA/pf8AgT/zOJPgTwUeui3X/fN1/jTT4A8EHrol1+V3/jXcUU/q1D+Rfch/2njv+f0//An/AJnCn4e+Bj10O6/K7/xpD8OvAh66Fdfld/413dFP6vR/kX3Ir+1Mf/z/AJ/+BP8AzOS0bwn4T8Pakt/o+lXVvcqpUPsuW4PXhsiui/tKD+5df+Akv/xNW6K1jGMFaKsclavWry560nJ9223+JU/tKD+5df8AgJL/APE1GkwudWheOOYKkEgZpIXQAlkwPmA9D+VX6KoxCiiigAooooAgvP8AUD/ron/oQpR1pLz/AFA/66J/6EKUdaAI5v8AVj/fX/0IVZbO07cZxxmq03+rH++v/oQqy2dp24zjjNAFP/iaf9On/j1H/E0/6dP/AB6j/iaf9On/AI9R/wATT/p0/wDHqAD/AImn/Tp/49R/xNP+nT/x6j/iaf8ATp/49R/xNP8Ap0/8eoAP+Jp/06f+PUf8TT/p0/8AHqP+Jp/06f8Aj1H/ABNP+nT/AMeoAP8Aiaf9On/j1H/E0/6dP/HqP+Jp/wBOn/j1H/E0/wCnT/x6gA/4mn/Tp/49R/xNP+nT/wAeo/4mn/Tp/wCPUf8AE0/6dP8Ax6gA/wCJp/06f+PUf8TT/p0/8eo/4mn/AE6f+PUf8TT/AKdP/HqAD/iaf9On/j1H/E0/6dP/AB6j/iaf9On/AI9R/wATT/p0/wDHqAD/AImn/Tp/49R/xNP+nT/x6j/iaf8ATp/49R/xNP8Ap0/8eoAP+Jp/06f+PUf8TT/p0/8AHqP+Jp/06f8Aj1H/ABNP+nT/AMeoAP8Aiaf9On/j1H/E0/6dP/HqP+Jp/wBOn/j1H/E0/wCnT/x6gAJ1MAk/ZMD/AHqqW+p3dzK0cZtQQM/MGGRVv/iZ/wDTp/49UENld28jPDFZKzcE/PQBHb6nd3MrRxm1BAz8wYZFFtqV5dTGOI2u4DIyGGakhsru3kZ4YrJWbgn56IbK7t5C8MVmrN1Pz0AT/wDE0/6dP/HqP+Jp/wBOn/j1H/E0/wCnT/x6j/iaf9On/j1AB/xNP+nT/wAeo/4mn/Tp/wCPUf8AE0/6dP8Ax6j/AImn/Tp/49QAf8TT/p0/8eo/4mn/AE6f+PUf8TT/AKdP/HqP+Jp/06f+PUAH/E0/6dP/AB6j/iaf9On/AI9R/wATT/p0/wDHqP8Aiaf9On/j1AB/xNP+nT/x6j/iaf8ATp/49R/xNP8Ap0/8eo/4mn/Tp/49QAf8TT/p0/8AHqP+Jp/06f8Aj1H/ABNP+nT/AMeo/wCJp/06f+PUAH/E0/6dP/HqP+Jp/wBOn/j1H/E0/wCnT/x6j/iaf9On/j1AB/xNP+nT/wAeo/4mn/Tp/wCPUf8AE0/6dP8Ax6j/AImn/Tp/49QAf8TT/p0/8eo/4mn/AE6f+PUf8TT/AKdP/HqP+Jp/06f+PUAH/E0/6dP/AB6nx/2h5i+d9m2Z+bbuzTP+Jp/06f8Aj1Pj/tDzF877Nsz823dmgB95/qB/10T/ANCFKOtJef6gf9dE/wDQhSjrQBHN/qx/vr/6EKtVVm/1Y/31/wDQhVqgAorLsIry70+C4fUplaRAxAjjwM/8Bqx9iuv+gnP/AN+4/wD4mgC5RVP7Fdf9BOf/AL9x/wDxNH2K6/6Cc/8A37j/APiaALlFU/sV1/0E5/8Av3H/APE0fYrr/oJz/wDfuP8A+JoAuUVT+xXX/QTn/wC/cf8A8TR9iuv+gnP/AN+4/wD4mgC5RWVcm+sri18u6e681ypilCID8pPULkdKm+16h/z4w/8AgSf/AIigC/RVD7XqH/PjD/4En/4ij7XqH/PjD/4En/4igC/RVD7XqH/PjD/4En/4ij7XqH/PjD/4En/4igC/RWRe6veWFq1xPYxbFIB23GTz/wABqdbzUGUEWMOCM/8AHyf/AIigDQoqh9r1D/nxh/8AAk//ABFH2vUP+fGH/wACT/8AEUAX6Kofa9Q/58Yf/Ak//EUfa9Q/58Yf/Ak//EUAX6Kofa9Q/wCfGH/wJP8A8RR9r1D/AJ8Yf/Ak/wDxFAF+iqH2vUP+fGH/AMCT/wDEUfa9Q/58Yf8AwJP/AMRQBfoqh9r1D/nxh/8AAk//ABFIl/dC8ghuLSONZmKhlm3YIUnptHpQBoUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBBef6gf9dE/9CFKOtJef6gf9dE/9CFKOtAEc3+rH++v/oQq1VWb/Vj/AH1/9CFWqAKejf8AIEs/+uK/yqlrF9dvqtlo2mTC2nukeaW5KBjFEhUHaDxuJdQMggckg9Ku6N/yBLP/AK4r/KqusaXdzahaappLwi+tA0fl3BIjmicjchIBKnKghgDgjoc0dQK16dQ0dbFDqs14LjUIoy88UQYIQcr8iqMcdcZ96tXGvraahHb3OnXsUEk626XrKnlFz0GN28AnjJXGe/eobix1bU0s2vo7O2e3vo5/LhneQbFBz8xRck56YH1rGm8H38+ppPLDpsskepLdjUZXd7hohJuEQBX92AvAwxBx0G4kC3s+/wCGn/BB7XXb/P8A4BtDxRbbLu4azvFsLQS774opjYxnDgANv4II5UA4OO1PPiER2QmutLv7aV5VigtpBGZJ2YZAXa5XoDnLDGDnArOXQdSGrXd5Ha6bbiWKVZIY55GivmY/KZY9gCnHVhuJzjpxVKTwVcz2KiWCwIgvBc22lzSNcWqLsKNHuZAVBySAFwpxgGjp/X9f1sP/AIP/AADZPiqAR7TYXv277R9m+wYj83fs39d+zGz5s7sduvFbFrObm1jmaGW3Z1yYpQAyH0OCRn6E1zT+Hpf7GNtF4d0CIST73tYZWiRQFwrrKsWfMB7hQQOh4zW9pFrcWOj2tte3LXU8UYWSZiSXP1PJ+p5PU0xDNQ/4/dP/AOuzf+i2rK8W61eaDpMV1p9ulxI1wiNG4PzJyWxyPmwOK1dQ/wCP3T/+uzf+i2qlrlnPef2d9nj3+TfRyycgYQZyefrU63XqvzDoyh4n8TnStBgvNLWO5luiGh3ZKlMbmc4I42+/UitG98Qadp115F5LLGRtDSC3kaNNxwN0gUqv4kda5qXwvqI0/VrcRrKkURtdLUMAfKZxI2cnAx8qc9o/el8TaVrWptqsC2t5ciVQLExXoht402jcHUMCzFt33gy9BkDNVp/X9f1qB0za5Yrqn9niSRrgMFbZBIyIxGQrOF2qcc4JB5HqKq6L4hiv7LTRdsq317CZRFDGxAA6k9do7ZY8njrVQ2eoJ4pE+nWl1aRySg3krTRtb3KBMZ2bi6yDAGQo6ckjFVPCOial4bMaTWxuI71AZ3LoZLV1GApOfmjx0AyVOeDnhIDa8Tf8gKX/AHl/mK1Iv9Sn+6Ky/E3/ACApf95f5itSL/Up/uigDIstYuLjwnNqjpGJ0SdgoB2/IzAd8/wjvToNZQiCW8u7eFPsAu5ozEwKg4y+/OAo5GMZ75rHtvBlg3he4S80OwfU5FnId4I2cszOUO/1wRznipzpFyGBuNP+1Q/2KtrJAJVXzHzymc8cd+nvSXX+uj/4A+39dV/wSxfeMbG1sormGC9mElxHAVNlOjLuIG7BTPQ5HHzdBzVu78SaZZPsnkn3CISusdrLIYkPQybVPl9D97HQ+lYh0/Wn0WRTBdTJBfwT2trdTRNcCJHVmUuGKnodu5ifU1biXVNM1DU5YtJmvU1J1njKzRKYW8tUMcm5hwNo5Xd1PHHL6P8Arov+CL+vxNS71/TrJoVlnaRpo/NRbaF5yU/v4jBwvI+Y8VCfFOj/AGW1uEumljvN32fyYZJDLtOG2qqknk+nTnpWTp+m6j4ZuYHW0fU4f7NhtXaGREMTxFjn52X5DvPIJIx0qLwvY3M1r4evTCnlRRXbOyMNq+Y+UK5wSCOhx0p9Q6nQN4g05NRWyeWVJXk8pWe3kEbPjO0SFdhb2znPHWoJvFui29xJFPeGPypTDJI0Mnlxv/daTbtU+mTz2rBu9J1q91CNrm1vJpYtTSbz2vVW3FusoKhIlcZYLjO5c8Hk8Cr0+i3r6NqMC24Mlxq6XKruX5oxNGxbr/dU8Hniktbf12/zf3A9H/Xn/kjc07V7PVTMLN5N8DBZY5oXidCRkZVwDgjocYNPuf8AkJaf/wBdW/8ARbVVtbOePxRqN26Ygmt4EjfI+YqZNwx143D86tXP/IS0/wD66t/6LagDRooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigCC8/1A/66J/6EKUdaS8/1A/66J/6EKUdaAI5v9WP99f/AEIVaqrN/qx/vr/6EKtUAU9F/wCQJZ/9cV/lV2qWjf8AIEs/+uK/yq7QAUUUUAFFFFABRRRQBQ1KOdprN7aIStHKxILbQBsYcnBx1pu7Uv8Anzg/8CT/APEVo0UAZ27Uv+fOD/wJP/xFG7Uv+fOD/wACT/8AEVo0UAZ27Uv+fOD/AMCT/wDEUbtS/wCfOD/wJP8A8RWjRQBh6nZ6lqNi9t9ngj3EHd55OMHPTbVpf7SVAv2OA4GP+Pk//EVpUUAZ27Uv+fOD/wACT/8AEUbtS/584P8AwJP/AMRWjRQBnbtS/wCfOD/wJP8A8RRu1L/nzg/8CT/8RWjRQBg32jpqkiSaloGmXjoMK1wVkKj0BKcVdB1EDAsoP/Ak/wDxFaNFAGdu1L/nzg/8CT/8RRu1L/nzg/8AAk//ABFaNFAGdu1L/nzg/wDAk/8AxFRSRalJc28v2WAeS5bH2g/NlSv933rWooAo+dqX/PjB/wCBJ/8AiKPO1L/nxg/8CT/8RV6igCj52pf8+MH/AIEn/wCIo87Uv+fGD/wJP/xFXqKAKPnal/z4wf8AgSf/AIijztS/58YP/Ak//EVeooAo+dqX/PjB/wCBJ/8AiKPO1L/nxg/8CT/8RV6igCj52pf8+MH/AIEn/wCIo87Uv+fGD/wJP/xFXqKAKPnal/z4wf8AgSf/AIijztS/58YP/Ak//EVeooAo+dqX/PjB/wCBJ/8AiKPO1L/nxg/8CT/8RV6igCj52pf8+MH/AIEn/wCIo87Uv+fGD/wJP/xFXqKAKPnal/z4wf8AgSf/AIikF5dpdwRXNpHGszFQyT7sEKW6bR6Vfqle/wDIQ07/AK7N/wCi2oAlvP8AUD/ron/oQpR1pLz/AFA/66J/6EKUdaAI5v8AVj/fX/0IVaqrN/qx/vr/AOhCrVAFPRv+QJZ/9cV/lV2qWjf8gSz/AOuK/wAqu0AFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVEJJGZgkakKcZL4/pUtRw9ZP8AfNABum/55L/33/8AWo3Tf88l/wC+/wD61SVFbXdvew+dZ3EVxFkrvicMuQcEZHoeKAF3Tf8APJf++/8A61G6b/nkv/ff/wBakgure6Ehtp45hG5jfy3DbHHVTjoR6VLQBHum/wCeS/8Aff8A9ajdN/zyX/vv/wCtUlFAEe6b/nkv/ff/ANajdN/zyX/vv/61SUUAR7pv+eS/99//AFqa0sqLuaNcez//AFqmqO4/1B+o/nQBJVK9/wCQhp3/AF2b/wBFtV2qV7/yENO/67N/6LagCW8/1A/66J/6EKUdaS8/1A/66J/6EKUdaAI5v9WP99f/AEIVaqrN/qx/vr/6EKtUAU9G/wCQJZ/9cV/lV2qWjf8AIEs/+uK/yq7QAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABUcPWT/fNSVHD1k/3zQBJXm3h2/k8NaLLHDhjqcTT2MbH71z5nlsn4kxt+LV6TVBNC01IbKIWqlLGUy2wYk+W5BGeTz949f6Cl1A47RvtGi2h0SwuWjlutae2a8ZQzKBAHdgGyNzbSBkEAnocYq9qep6vpCapYx6i11LAlrNb3U8Sb182UoyMFUKR8pIwAcE+ma6KfQdNuLeeCa2DJcT/AGh/nYMJeMOrA5VhgYKkYpkfh3TI7OW28h5EmdZJWlnkkkkZSCuXZixxgYGafa/l+SD0/rUwL++1pNaOi2U+q3JtbVZ5bq1jsxLIzswAIl2qFAU/dXPqRjnptJkvZdHtX1aFYL1oh58akEK/foSP1P1qPUNDsNTuI7i5SVZ4lKLNb3EkEm08ld0bKSMgHBOKuwQR21vHBAu2ONQiLnOABgUdAe4+iiigDB06w8QQ+IbmTUNX+0aYBm3i8mMM2eoYhQePrzW1cf6g/UfzqSo7j/UH6j+dAElUr3/kIad/12b/ANFtV2qV7/yENO/67N/6LagCW8/1A/66J/6EKUdaS8/1A/66J/6EKUdaAI5v9WP99f8A0IVaqrN/qx/vr/6EKtUAU9G/5Aln/wBcV/lV2qWjf8gSz/64r/KoLm5uFvJUSZlVSAAFX+6D3HvQBqUVjfarr/n4b/vlf8KPtV1/z8N/3yv+FAGzRWN9quv+fhv++V/wo+1XX/Pw3/fK/wCFAGzRWN9quv8An4b/AL5X/Cj7Vdf8/Df98r/hQBs0Vjfarr/n4b/vlf8ACj7Vdf8APw3/AHyv+FAGzRWN9quv+fhv++V/wo+1XX/Pw3/fK/4UAbNFY32q6/5+G/75X/CmveXSrkXDdQPur6/SgDborG+1XX/Pw3/fK/4Ufarr/n4b/vlf8KANmisb7Vdf8/Df98r/AIUfarr/AJ+G/wC+V/woA2aKxvtV1/z8N/3yv+FH2q6/5+G/75X/AAoA2aKxvtV1/wA/Df8AfK/4Ufarr/n4b/vlf8KANmisb7Vdf8/Df98r/hR9quv+fhv++V/woA2aKxvtV1/z8N/3yv8AhR9quv8An4b/AL5X/CgDZorG+1XX/Pw3/fK/4Ufarr/n4b/vlf8ACgDZorG+1XX/AD8N/wB8r/hTXvLpVyLhuoH3V9fpQBt1EI5FZikigMc4KZ/rWX9quv8An4b/AL5X/Cj7Vdf8/Df98r/hQBq7Zv8Anqv/AHx/9ejbN/z1X/vj/wCvWV9quv8An4b/AL5X/Cj7Vdf8/Df98r/hQBq7Zv8Anqv/AHx/9ejbN/z1X/vj/wCvWV9quv8An4b/AL5X/Cj7Vdf8/Df98r/hQBq7Zv8Anqv/AHx/9ejbN/z1X/vj/wCvWV9quv8An4b/AL5X/Cj7Vdf8/Df98r/hQBq7Zv8Anqv/AHx/9ejbN/z1X/vj/wCvWV9quv8An4b/AL5X/Cj7Vdf8/Df98r/hQBq7Zv8Anqv/AHx/9emtFK67WlXHsn/16zPtV1/z8N/3yv8AhR9quv8An4b/AL5X/CgDZqle/wDIQ07/AK7N/wCi2pNPnllklWWQuFCkZAGM59B7Ut7/AMhDTv8Ars3/AKLagCW8/wBQP+uif+hClHWkvP8AUD/ron/oQpR1oAjm/wBWP99f/QhVqqs3+rH++v8A6EKtUAU9G/5Aln/1xX+VU7r/AI/5/wDeH/oIq5o3/IEs/wDriv8AKqd1/wAf8/8AvD/0EUAZGq6u1hNbWlpbG8v7st5MG8IoVfvO7c7VGRkgE5IwDTodRntrGa48Qx2mmpERmRbvfFtPcuypg545Hpyaq6va3sOsWesabb/bGgie3mtg4R3jcqcoWwu4FBwSAQTyOKqaoup6kun366LMBYXomaxmli82YbGXcMOUBUsGGW52nocUdANN9btm/sx7GSK8g1C4MKTwyhlGI3fIIyD/AKvH4+1Twavpt1fS2VrqFrNdw582COZWkjwcHcoORz61z8ekahcX0V99kay87UzctCzoWgX7K8W5tpKli2DhSeo564j0fS9QSDQ9PuNJNn/ZDEyXnmRsk2EZMxhWL/OW3HcF75yaP6/r0B/1+J01pqdhfySR2N7bXLxBTIsMquUDDKkgHjI6etWqyvDOnvpfhmxs5YRDLFEPMQEHDHk8jg8k1q0AFFFFABRRRQAUyX7g/wB5f5in0yX7g/3l/mKAHVip4h3+Df7e+y4/cGbyPM/Tdj+lbVcfFp+rp4f/AOEZfTJDHuMP9oCaPyTDuznG7zN2zjG373fHNHUOh0dxrWl2lwlvdalZwTPJ5SxyTqrM+AdoBOScMpx/tD1ouNa0u0uEt7rUrOCZ5PKWOSdVZnwDtAJyThlOP9oetcpc29zcal4stLTRReNqEqW5uQ8aqn+jxj95uIbaN2RtDH73A4zH9juzP4n0+30n+0JLxorRrwvGoH+jRjMu5g20biw2hjy3A4yLb5XHpc7KXVdPt9QisJ762ivJhmK3eZRI455Ck5PQ9PSli1OwnvWs4b22kulUs0CSqXAB2klc5wDx9eK46TwzqS6vdQXUmq3FneTQSGaza1C/IqD955o8wEMm75CeDxg5FdNoGnvp8F75sIie4vp5zgg7wznaxx/s4p/1+RPQutf2iW8073UCwwMVlkMgCxkdQx7Ee9Rx6tp0uoSWEN/ayXsS7ntlmUyKOOSucjqPzrEvNCu5PEzLFGv9k3ksV1dnIGJIhgLjqdxER6dIznqKpR2Gv3PiaxmvLe4SC1vZpGCm2W2CFJVVkAzKSdy7txHJPHpOths6TSdXh1TSra7JSGSa2juXh8wExq4yM9OOCM4GcGn3Gs6ZaC2N1qNpALv/AI9zJOq+d0+5k/N1HT1FcxYafrGj2tsq6TJdvNo8Fm4iniXyJY9/39zDKnzOq7j8p46VTuPDmrR+Rvj1GSCfSIbKeLT2tCyFQQ6t54xtO7qjdQcjoap7u39b/wCQ3v8A15f5v7j0CioraEW9rFCrOwjQIGc5Y4GMk+tS0mStgooooGFMl+4P95f5in0yX7g/3l/mKAH1S0vURqOlpesghDFsqWzjaxHXj0zV2uTspNatPD02mw6DOLpEm8qa4eBrd2JYqCBLuwcgdB15xSGjVm8Sae2m/bdLurbUYxcw27G3uFZVMkipyVzyN+cVattZ0u8s5ruz1K0ntoM+bNFOrJHgZO5gcDA55ri5tB1q/h1RrqyuroXK2ISLUpLYNII52Z1YQjaF2nvkkH8Ks6xoura79vvYLGXTWMduiW0kkJkuPKl8w5wXjHBKruyM5yAKYjpDr9pKdObTpoL6C+uTbiaCYMqkRu5ORkH7mMe9alchp+i3n2+0vpItSMraiJrn+0WttwUW8kYYCD5cZZR68egrr6Yf1+LCiiikAUUUUAFFFFAFzTP9dN/up/Nqkvf+Qhp3/XZv/RbVHpn+um/3U/m1SXv/ACENO/67N/6LagCW8/1A/wCuif8AoQpR1pLz/UD/AK6J/wChClHWgCOb/Vj/AH1/9CFWqqzf6sf76/8AoQq1QBT0b/kCWf8A1xX+VZ1/cJDqM6sGJyDx/uitHRv+QJZ/9cV/lVu0/wBZdf8AXUf+gLQBzf22P+635Cj7bH/db8hXW0UAcl9tj/ut+Qo+2x/3W/IV1tFAHJfbY/7rfkKPtsf91vyFbv8AbNv/AHJfyH+NH9s2/wDcl/If414v9vZZ/wA/kaeyn2ML7bH/AHW/IUfbY/7rfkK3f7Zt/wC5L+Q/xq9G4kiV1zhgCM114XMcJjJOOHqKTXYmUJR3Ryn22P8Aut+Qo+2x/wB1vyFdbRXeScl9tj/ut+Qpr3kbLgBuoPT3rr6hufuJ/wBdF/mKAOY+2x/3W/IUfbY/7rfkK62igDj0ntonkeOHY0rbpGVQC5wBk+pwAPoBQk9tE8jxw7GlbdIyqAXOAMn1OAB9AK7CigDkvtsf91vyFH22P+635CutooA5L7bH/db8hR9tj/ut+QrraKAOS+2x/wB1vyFH22P+635CutooA5L7bH/db8hR9tj/ALrfkK62igDkvtsf91vyFH22P+635CutooA5L7bH/db8hTXvI2XADdQenvXX1Dc/cT/rov8AMUAcx9tj/ut+Qo+2x/3W/IV1tFAHJfbY/wC635Cj7bH/AHW/IV1tFAHJfbY/7rfkKPtsf91vyFdbRQByX22P+635Cj7bH/db8hXW0UAcl9tj/ut+Qo+2x/3W/IV1tFAHJfbY/wC635Cj7bH/AHW/IV1tFAGLpDiR5WXOCq9fq1TXv/IQ07/rs3/otqlT/kJXP+4n82qK9/5CGnf9dm/9FtQBLef6gf8AXRP/AEIUo60l5/qB/wBdE/8AQhSjrQBHN/qx/vr/AOhCrVVZv9WP99f/AEIVaoAp6N/yBLP/AK4r/Krdp/rLr/rqP/QFqpo3/IEs/wDriv8AKrdp/rLr/rqP/QFoAs0UUUAFFFFAHKUUUV/Oh64V01p/x5w/9c1/lXM101r/AMecP/XNf5V97wV/vFX0X5nLidkS0UUV+nHEFQ3P3E/66L/MVNUNz9xP+ui/zFAE1FFIxwpIBbjoO9AFFNYtZtVOn2pe5mjz55hXckHHR26Buny/e5BxjJq/XL6NDdWeqRR2Gj6ppenuWMlvO9s9uhOTlQsrOnOOFyvX5QTuHUUdA6lLUZ9Si8tdKsYLpmyXNxcmFEA9wjkk59McHkcZzk8Rz3drYDTbBJb28R3MM9x5aRCMhXJcK2fmIAwpznPAp3iN9TZ7a3sbO9ntJNxunsZYklAGMIDI67Q2Tll5GOME5Fbybqzm0zUdO0K4WKG3ktJNPWSFZY0JUqw+fYR8nTfnDD0IoX9f16gS/wDCR3dxb2I03To5Lu5klikhubgxLC0eQ4LKjE8jA4568Vrfa2tdLa71URWxhjMk/lyGREAGThioJGB6Cudk0ry9Mhj1bwwmttNPPcyRqIJPszO+4Aeayg8HBIPUehpING1VvB//AAj11EALqzuEa58/cLQsf3cWDy4CtjI/ue4pO9mNWv5G1pN9qd+vn3mmxWVtIu6HNyXmIJ43psCqcc8M2OlRaZ4hi1TXtR0+3hPl2KoRcbvllYl1YAY6KUIznrkdqwbLw9fSFjpen/8ACMTNZtBcXH7uQ3ErFcPiN8uRhyHcq2X6cmpLTw1r1tdX0EOo2VpBJpsNrb3FvZMuwq0nQGYnIDZyTyWHoc0/Ilbf15G1pniGLVNe1HT7eE+XYqhFxu+WViXVgBjopQjOeuR2o0zxDFqmvajp9vCfLsVQi43fLKxLqwAx0UoRnPXI7Vi2nhrXra6voIdRsrSCTTYbW3uLeyZdhVpOgMxOQGzknksPQ5l0vSNb0TUrydVsruCLTYobaC3gMHmuhkITLSvt+9yxzncPQ5Wg+9vL9DraKzHvtVDuF0fcA8AU/alG5WP7w/8AAPT+LtWnQAVDc/cT/rov8xU1Q3P3E/66L/MUANvr+1021NxfzpBECBuc9SeigdST0AHJ7U6zuftlok4hmhEnKpOmx8Z4JXqMjnBwRnkA8Vk+IrcTvbOmkX95cQlmhurCWGOS2bGOski5B7rhlOPmB6Vf0drt9KhOorMtwMhvPWNZCATgsI2ZMkYztOPYdALYGU59X1G01GJbvTIY7Ca5Fuky3W6XJyFYx7MYJHZyQCCR1AhbxJOJ/P8AsC/2ULr7Ibrzz5m/f5e7y9uNm/5c7s98YqtCdRn8QG41bRNQlEVwy2hSW3+zwJkqJcebuZipySVJAJCgc7o107UzbNoZsGFsL/7QL/zU8sxed52Nud+/+HG3HfNC6f12B9f67mpa6pql7qc8cGnWosYLgwNO94wkOAMkRiIjqf79TatqsljLbWtjbC7vronyoWl8tQq43OzYOFGR0BJJAx3GDe6RJe69BNYeHF0y8jvlll1cGEeZErfMMo3mNvXjaygfMcngZdrOl3Oq39jqWo6B9tjtjcW8mnebE/mIzDZLhyqN9wHax43A9VpLZf1/WodWb1zqb6bojXuqQxxzIvMFvIZAzk4VFJVSxJIA4HJqvF4hiPhG31y4hMQnt45Rbq29i7gbY1OOSSQBxyax7bwzrAhsJIr21s47RpZILC5tmuFh3sdgysqjKIdoHIXJx2NN0/w1rw0nQhNqNlDNp1qF+zS2TSIsm3Ab5ZhllXK55HJIxkYHs/67gbUXiGI+EbfXLiExCe3jlFurb2LuBtjU45JJAHHJqKPWtSu/D9jqtjp9l5dxarcTLdXzReTlQ2AVibcBzzx0rK0/w1rw0nQhNqNlDNp1qF+zS2TSIsm3Ab5ZhllXK55HJIxkYsWuj6p/wgOmaNeJG8zLDBdhAFEcIxvU/Mdx2jbkHnOcAVT3du+n4gbeh39xqmiWt9d2gtJLhPM8kSF9qn7vJVTyMHGBjOKv1TvLm9gnjSz0/wC0xmKRmfzlTa6gbEweu7JGe2OaSyur6ecread9ljEEbh/PV8yNnfHgf3cDnoc8dKN9hdNRqf8AISuf9xP5tUV7/wAhDTv+uzf+i2qVP+Qlc/7ifzaor3/kIad/12b/ANFtSGS3n+oH/XRP/QhSjrSXn+oH/XRP/QhSjrQBHN/qx/vr/wChCrVVZv8AVj/fX/0IVaoAp6N/yBLP/riv8qtWrKstzuYD96Op/wBhaq6N/wAgSz/64r/KoJoElvLgvuzvA4Yj+FfSgDZ8xP76/nR5if31/OsT7JF6N/38b/Gj7JF6N/38b/GgDb8xP76/nR5if31/OsT7JF6N/wB/G/xo+yRejf8Afxv8aANbyLT/AJ5Q/wDfIo8i0/55Q/8AfIrB8zTv+fqP/wACP/r0eZp3/P1H/wCBH/168/lwHaH4GvLU7M3vJtP+eUP/AHyKlDxgABlAHQA1znmad/z9R/8AgR/9ep1toHUMu5lIyCJGwR+db0Vh037G3yt+hMlJfEbnmJ/fX86PMT++v51ifZIvRv8Av43+NH2SL0b/AL+N/jXSQbfmJ/fX86iuHUomGX/WL39xWT9ki9G/7+N/jTWtYgBgN1H8bf40AbvmJ/fX86PMT++v51ifZIvRv+/jf40fZIvRv+/jf40AbfmJ/fX86PMT++v51ifZIvRv+/jf40fZIvRv+/jf40AbfmJ/fX86PMT++v51ifZIvRv+/jf40fZIvRv+/jf40AbfmJ/fX86PMT++v51ifZIvRv8Av43+NH2SL0b/AL+N/jQBt+Yn99fzo8xP76/nWJ9ki9G/7+N/jR9ki9G/7+N/jQBt+Yn99fzo8xP76/nWJ9ki9G/7+N/jR9ki9G/7+N/jQBt+Yn99fzo8xP76/nWJ9ki9G/7+N/jR9ki9G/7+N/jQBt+Yn99fzqK4dSiYZf8AWL39xWT9ki9G/wC/jf401rWIAYDdR/G3+NAG75if31/OjzE/vr+dYn2SL0b/AL+N/jR9ki9G/wC/jf40AbfmJ/fX86PMT++v51ifZIvRv+/jf40fZIvRv+/jf40AbfmJ/fX86PMT++v51ifZIvRv+/jf40fZIvRv+/jf40AbfmJ/fX86PMT++v51ifZIvRv+/jf40fZIvRv+/jf40AbfmJ/fX86PMT++v51ifZIvRv8Av43+NH2SL0b/AL+N/jQBt+Yn99fzo8xP76/nWJ9ki9G/7+N/jR9ki9G/7+N/jQBejIOpXJHI2J/Nqivf+Qhp3/XZv/RbUlggjuJlXONidTnu1Le/8hDTv+uzf+i2oAlvP9QP+uif+hClHWkvP9QP+uif+hClHWgCOb/Vj/fX/wBCFWqqzf6sf76/+hCrVAFPRv8AkCWf/XFf5Uxv+Pu4/wB8f+gLT9G/5Aln/wBcV/lTG/4+7j/fH/oC0AFFFFABRRRQBwVFFFfhR9mFdtYf8g22/wCuS/yFcTXbWH/INtv+uS/yFfZ8J/x6novzPJzT4I+pPRRRX6EeEFNfoP8AeH86dTX6D/eH86AHUUUjEKpLHAAySe1ADXljjdEkkVWkO1FZgCxxnA9eAT+FPrkdEvdPTxDtj1XTdZuLncEu0vEa5RfvbNmcbeOse0Zx8nVq66gOpUv9Tt9OCfaROxkztWC2kmbjqcIpIHI5qKbXdPgtbe4MzSpdDMKwRPK8gxkkIgLYHfjjvUOu39larFDea7/YzyZZJN8S7wOCMyKR3HTmsGKSG10nSdTm1Kz0O5iilhjF6h8ueIsOdjOr7jtRvvZ5Oc5oGdLLrmnRabFftcbreZgsRjRnaRj/AAqigsW4PAGRg56GrEd7A9h9sJeKAIXJmjaMqB1JVgCOncVwkEFzYDSLrU9Sk0y3ka9druSNIzG0kgdMhwVQsoPUcZI6muisfEcNtpIk1a53usc80coiIM8ETY8zgY5UqeMA5yBijoLqXrfXrG6WcxfaQ0CCR4pLOZJCpzgqjKGYcHoDTbbxFp11cyQK9xDJHCZ3F1aSwBUBwWzIoGKo6FqNnq+qve/2nYT3Zg2R2drcpKYI92SWIPLE7ckYAwAM9SltZ22saRq95qEjRw6kJIjLu2mOBMouCeg+8/P940PQFqamn63Y6nK0dpJJ5ioH2SwPEWU/xKHA3L7jIqaz1G01AziyuI5/s8pilMZyFcAErn1GRXM6M8+p+KILgara6rbWdnJE89pBsi3OyYUtuYM2FJIBAHHAzVuz83T08QjRrFJZYblBb2se2Nc/Z4gByQAB+FH9fiC1NuLULWfULiximDXNsqNNGAfkDZ25PTnB4qzXI+GEmtvE17DPp95DK9lDJPNcNFmSQySksdjt1zgDsFxwAM9dQHUKa/Qf7w/nTqa/Qf7w/nQA6mRSxzJvhkWRcldyMCMg4I/AgisLxVLaiGCO61m0sASWNrd3Aiju1HVSQQwHuMjnlWHFaWiXUF5o1vLaJbxw7dipayrJEu07cIy8FeOOnHUA8UIBq65YnUBZF5llLmNWe2kWNmH8IkK7CeDwD2NJ/b+m/wBofY/PbzfM8rf5L+X5n9zzMbN3+znOeKxb7UrW51y1Fjqw1GdL1VbS8ofIxlWfCgOu3k5clfbJUihewf6Uui6TrVtdK2pLcNZxxh54P3wkkLuG+VQc9VByVXPqLW39dgel/wCu51j6zZJqf9nhppLkFQ4ht5JFjLdN7KpVOOfmI45p9/qltpvli585mkztSC3kmYgdTtRScDI5xjketchY3dzp95cQLquNROqP/wASooh86N5c78Y3n5G3bgwUBRkcHOzqfi2xt0hjtr20ikuJJY1mvZPKijMbbXJzgsQTgKPveoGSDomPrY0JNesY7a3uF+1TxXCb43trOaYEe+xTt+hwaYPEmmNYW94kszx3JYQolrK0j7euIwu/Ax1xj86oSSQW/hCG30a+W5+1OLaK7hdX3O74dwV4yMu3tik1mCx0d9OuodXstHe1he2hW8AaOSIhcqF3qSRtXBB/A5o/r+vwEa0mtabDpH9qTXkUdlt3eczYH09c54x1zxjNW5Zo4bd55XCRIpdnbgAAZJrj109l+GmoPqMXmTGO8uYzNCFZN/mEHafuEq3TtkitLXhfXElpax6Xc3mnbfMufIeIGQjG2Mh3X5c8nrnAHc0paIO3zNuzu4b+yhu7R/MgnjEkb4I3KRkHB56VNXN+G9Ytrbwpo8d7vtpGsPMVHXcWSNV3N8uRjBBx156Vs2mq2d/MYrSbzHEMc5G0j5JM7DyO+08dapqzaQdC9Z/8fU3+4n82ovf+Qhp3/XZv/RbUWf8Ax9Tf7ifzai9/5CGnf9dm/wDRbUgJbz/UD/ron/oQpR1pLz/UD/ron/oQpR1oAjm/1Y/31/8AQhVqqs3+rH++v/oQq1QBT0b/AJAln/1xX+VMb/j7uP8AfH/oC0/Rv+QJZ/8AXFf5Un2OW4urh45xGBIBgpn+BfcUANoqX+zLj/n7X/v1/wDZUf2Zcf8AP2v/AH6/+yoAioqX+zLj/n7X/v1/9lR/Zlx/z9r/AN+v/sqAMP8A4Ruz/wCek/8A30P8KP8AhG7P/npP/wB9D/Ctz+zLj/n7X/v1/wDZUf2Zcf8AP2v/AH6/+yryf7Gy/wD59I6vrdf+ZmH/AMI3Z/8APSf/AL6H+FasUYhhSJM7UUKM+gqf+zLj/n7X/v1/9lR/Zlx/z9r/AN+v/sq6sPgcNhW3Rgo37GVStUqK03cioqX+zLj/AJ+1/wC/X/2VH9mXH/P2v/fr/wCyrsMiKmv0H+8P51P/AGZcf8/a/wDfr/7Ko5dPnRVJulOWA/1XqfrQAlFS/wBmXH/P2v8A36/+yo/sy4/5+1/79f8A2VAEVFS/2Zcf8/a/9+v/ALKj+zLj/n7X/v1/9lQBFRUv9mXH/P2v/fr/AOyo/sy4/wCftf8Av1/9lQBFRUv9mXH/AD9r/wB+v/sqP7MuP+ftf+/X/wBlQBFRUv8AZlx/z9r/AN+v/sqP7MuP+ftf+/X/ANlQBFRUv9mXH/P2v/fr/wCyo/sy4/5+1/79f/ZUARUVL/Zlx/z9r/36/wDsqP7MuP8An7X/AL9f/ZUARU1+g/3h/Op/7MuP+ftf+/X/ANlUcunzoqk3SnLAf6r1P1oASipf7MuP+ftf+/X/ANlR/Zlx/wA/a/8Afr/7KgCKipf7MuP+ftf+/X/2VH9mXH/P2v8A36/+yoAioqX+zLj/AJ+1/wC/X/2VH9mXH/P2v/fr/wCyoAioqX+zLj/n7X/v1/8AZUf2Zcf8/a/9+v8A7KgCKipf7MuP+ftf+/X/ANlR/Zlx/wA/a/8Afr/7KgCKipf7MuP+ftf+/X/2VH9mXH/P2v8A36/+yoAbZ/8AH1N/uJ/NqL3/AJCGnf8AXZv/AEW1LaRtDeTo7hyET5gMZ5akvf8AkIad/wBdm/8ARbUAS3n+oH/XRP8A0IUo60l5/qB/10T/ANCFKOtAEc3+rH++v/oQq1VWb/Vj/fX/ANCFWqAKejf8gSz/AOuK/wAqt2n+suv+uo/9AWqmjf8AIEs/+uK/yq3af6y6/wCuo/8AQFoAs0UUUAFFFFAHiP8Ab+sf9BW+/wDAl/8AGj+39Y/6Ct9/4Ev/AI1n0V+T+3q/zP72fpnsaX8q+40P7f1j/oK33/gS/wDjXsGiSPL4f0+SV2d3tY2ZmOSxKjJJrw+vbtA/5FvTf+vSL/0AV9Pw7UnOrPmbeh89nsIRpw5VbU0KKKK+xPlAqG5+4n/XRf5ipqhufuJ/10X+YoAmooooAKK5zT7u9m18Jr0k1lOCwtbOJT9nkAB+bzR/rGxk7TsIAz5fAaujoDqFFYHibRptWlsHTTtP1KK2d2e21CQqjErgH/VvkjJ7VltYxeJNF0ifTdC02S1tJJkk029YRxRuuYyBtjcHDBsHA9aAOzorz+e7TWxoWm6dotv9heO5eTTZZBDAJIXVCrlVYFAxYgBSCdpIHUdZ4fmgm0VEtbKPTlhd4GtoQuyJ1YqwXAAIyCQcDOeQDxR0A1KK4yJ59A0TxhLa3E9zPaSNKkty/mOW+yxtk9uvOAAB0AAqms3/AAjOkXs0Wh2tnqEumTXMF9HKJ5pygDN5zFQd2WVsZcdeeBldL+V/wHbbz/r9Tv6K47QrW00+YWl9ottYyX9m8hv47jfNOowX86TarB/nB4Zh1+bgZt+HLCzTVp77QtOj07S3gWNRHEIlunDE+YEAHAHAYgFsnqNpNW1sTe6ujpqKKKQwqG5+4n/XRf5ipqhufuJ/10X+YoAmorJ8QXOqW9tH/ZUO5GYi4nRPNkgT+8kWRvPXuSOMK/SrOjvBJpMLWt1NdxkH99OT5jNk7twIG05yCuBt6YGMUAXaK4yWxi0PxA2p6roWm3CXeoqseoqwe5iMhCR5VoxgA4HDnGelEtjFofiBtT1XQtNuEu9RVY9RVg9zEZCEjyrRjABwOHOM9KFrb+tdNPxB6X/rvr+B2dFcBYzeZqFxr2raHa3gTU3theTShp7cLMY4/KjKkBQSCSGUkljg8Z6DxvaG68G6n/pNxAIbWWUiCTZ5mEbCsRztzg4BGcYORkE6XGleXKb9Fcj4m+0X2saPpK2UV9bzQy3EltcTGOGVozHt8whWyo3E7dpBO3I4yM66m/tSXR9Gs9DtVtQLkzaY8oitvNhdVwxVTuQFmYDbySpIHYJWqud/RXJE6BdaDaLf6DAzQyy20GlJCsq+crEMI0wFIyCQ5C4BJO3JpLzR7W08FW41jS7HUL63iENtHcxLMEd2wkYZgTgEque4WgZ11FUND0iDQdDtdNtQojt02kqoXc3VmwOBkkn8av03uJFBP+Qlc/7ifzaor3/kIad/12b/ANFtUqf8hK5/3E/m1RXv/IQ07/rs3/otqQyW8/1A/wCuif8AoQpR1pLz/UD/AK6J/wChClHWgCOb/Vj/AH1/9CFWqqzf6sf76/8AoQq1QBT0b/kCWf8A1xX+VW7T/WXX/XUf+gLVTRv+QJZ/9cV/lSfbJbe6uEjg8wGQHO4D+BfegDVorL/tO4/59D/30P8AGj+07j/n0P8A30P8aANSisv+07j/AJ9D/wB9D/Gj+07j/n0P/fQ/xoA4X/hWusf8/Nj/AN/H/wDiaP8AhWusf8/Nj/38f/4mu6/tO4/59D/30P8AGj+07j/n0P8A30P8a8L+wcF2f3ns/wBtYvuvuOFHw11fPNzZY/33/wDia9F022ay0q0tZCGaCBI2K9CVUD+lVP7TuP8An0P/AH0P8aP7TuP+fQ/99D/Gu3CZdQwcnKknqcmKx9bFJKp0NSisv+07j/n0P/fQ/wAaP7TuP+fQ/wDfQ/xr0DhNSobn7if9dF/mKo/2ncf8+h/76H+NMl1Gd1UG1IwwP3h2P1oA16RhuUg5wRjg4rM/tO4/59D/AN9D/Gj+07j/AJ9D/wB9D/GgBbTw/Z2V0lxDNqLOmcCbU7mVemOVeQqfxFadZf8Aadx/z6H/AL6H+NH9p3H/AD6H/vof40ATajo9pqjRNdG5V4gwRre7lgYA4yCY2UkcDg+lQS+G9MltbW3SKa2itEKQi0upbfapxkZjZSc4HXNL/adx/wA+h/76H+NH9p3H/Pof++h/jQAs3h3S5dPtbMWxhhtP+Pf7PK8LRcY+V0IYZBOeec81Jb6Jp1rPbTW9sEktY3iibexwrkF88/MSQCScknnPJqL+07j/AJ9D/wB9D/Gj+07j/n0P/fQ/xo8wLkdjbRPdMkQzdvvnySQ52hOh4+6oGPaqlh4d0zTC32WBzuj8oCad5gkf9xQ7HavT5VwOBxwKT+07j/n0P/fQ/wAaP7TuP+fQ/wDfQ/xoAjh8KaPBaz2628rRTwG3ZZLmV9kR6ohZiUXpwuBwPQUsfhnTkguIWa+miuIWgljuNRuJlKMMEYdyAcdxz70/+07j/n0P/fQ/xo/tO4/59D/30P8AGgBX8OaU7uzWuS7wOx8xuWhOYz17Y/HvmtOsv+07j/n0P/fQ/wAaP7TuP+fQ/wDfQ/xoA1KhufuJ/wBdF/mKo/2ncf8APof++h/jTJdRndVBtSMMD94dj9aALOoaRbamyG5kvEMYIH2a9mgzn18t1z+NWLO0jsbVLeFpmRM4M8zytyc8s5LH8TVH+07j/n0P/fQ/xo/tO4/59D/30P8AGgBE8N6Ymoi9MUzyrK0yLLdSvGkhzlljZiink8gDGTQnhvTE1EXpimeVZWmRZbqV40kOcssbMUU8nkAYyaX+07j/AJ9D/wB9D/Gj+07j/n0P/fQ/xoAVvDumNqRvjA/mtIJWTz38ppABhzFu2FhgfMRngHPFSrotgmmXOnrBi1ujKZo97fN5hJfnORksenTtUP8Aadx/z6H/AL6H+NH9p3H/AD6H/vof40B5k+oaRZ6pHEl2kmYW3RSQzPFJGcY4dCGGQcHB5qGbw7pk1jb2pgeOO2YvC0M7xyIxzkiRWDZOTk55yc5pP7TuP+fQ/wDfQ/xo/tO4/wCfQ/8AfQ/xoAZN4X0qZLZRHcQ/ZVdImtryaFgHILZZGBYkgEk5JPNWl0izW1t7d1lmjtpRNGZ7iSVg4JIJZmJOCe5Pb0FQf2ncf8+h/wC+h/jR/adx/wA+h/76H+NAFi80my1C4Sa7h8ySOKSFTvYYSQAOOD3wP6Ullo9jp05ms4PLkaCO3J3sf3cedg5PbceepzzUH9p3H/Pof++h/jR/adx/z6H/AL6H+NAEqf8AISuf9xP5tUV7/wAhDTv+uzf+i2pbOVprud3TYxRMrnpy1Je/8hDTv+uzf+i2oAlvP9QP+uif+hClHWkvP9QP+uif+hClHWgCOb/Vj/fX/wBCFWqqzf6sf76/+hCrVAFPRv8AkCWf/XFf5Uxv+Pu4/wB8f+gLT9G/5Aln/wBcV/lTG/4+7j/fH/oC0AFFFFABRRRQB5N/wtTW+1rp/wD37f8A+LpP+Fqa3/z66f8A9+3/APi64mivhfr+K/nZ+tf2PgP+fSO2/wCFqa3/AM+un/8Aft//AIuvT9Ju3v8ARbK7mCrJcW8crBRwCygnHtzXz1Xv3hz/AJFbSv8Aryh/9AFe1lOJrVpyVSV9D5jiLA4bDUoOjBRuzSooor6A+MCmv0H+8P506mv0H+8P50AOooooAKKyNO1iXWLxzYRIljA7RyyTHErOP4RH1TqDl8H/AGcENWvQAUVl66HisZLwaneWMdvGzMtqkTGT0Hzo3PYYx1rGutT1HTrLSdN1DUJ0vrqN5ri5hthNKApUlEREIJ+cDO04CscdwAdbRXMXuoSmx0xrLVNSktpGfz7y2shNMcA4VlWJgp3cEbARjHXNbVjKLvRY5LK/N15kZ8u7kVSWPqVUKMg9RgdMcUAXaKwtPuJ7XWru0n1STULeC3Ek0twsam3fP3SUVRyvODyMA9DVGHX9Unk1q5t4DLFHYpcada7PmcEyAMccndsBA9Md80dLgdXRXJ6P4gibWYrVNeTV7ea0eeSUiMfZ2QrkZQAAEMflbLDA55q5oerXmp67fGX5LE28M1nGVAbYzSDee/zbAQOwx3zTsLpc6CiiikMKa/Qf7w/nTqa/Qf7w/nQA6is7V9Yj0lYFaJpZ7l/KgTIRWc9AXb5V+nU84BPFW7X7T9lQ33lCc8uIc7V9gTycdM8Z64HSgCaiuduodRj8Q2Vta63fOJXaeeJ4oCiQr1XIiDckqo5zjJ7VWtNeW/1qR5tVubSBLtraK3itQYXKsVxJMyEBmI4UMpwV7nJFqD0OrormYNQk/wCEhlj1DVNQtc3Zjt7drMJbyLjhRK0XJOD0fJ7Vr6rFK8AlGrSaZBCrPLLGsece7SKwAHOePTkY5Olw62L9Fc+msXaeG7NmAk1S8Xy7dWXbvPOJGXsAvzsO3T0rPOuXJ0rQDqOq/wBmQ3ln5txqO2Nd0u1SEy6lF3ZY9OduBQB2FFcxZeI5rnw3E8LJcajPPLa2527RKUcr5pXsAo3N+Q6gVE2p6hL4f0CeS8vovtMAku7ixsvOcnywR8ojcKCx/uigDrKKq6XPFc6XBNBeNfRuuVuHChn+oUAA9sYGMVaoAfZ/8fU3+4n82ovf+Qhp3/XZv/RbUWf/AB9Tf7ifzai9/wCQhp3/AF2b/wBFtQBLef6gf9dE/wDQhSjrSXn+oH/XRP8A0IUo60ARzf6sf76/+hCrVVZv9WP99f8A0IVaoAp6N/yBLP8A64r/ACpjf8fdx/vj/wBAWn6N/wAgSz/64r/Kq81xFFe3CyOFO8Hk/wCytAEtFQfbbf8A56L+dH223/56L+dAE9FQfbbf/nov50fbbf8A56L+dAHhH/COa3/0BtQ/8BX/AMKP+Ec1v/oDah/4Cv8A4V7v9tt/+ei/nR9tt/8Anov514H9iU/52fY/61Vv+fa+9nhI8N64Tj+x7/8A8BX/AMK9u0KKSDw5psMyMkkdpErqwwVIQAg1Y+22/wDz0X86Pttv/wA9F/Ou7B4COFk5Rd7nk5lnFTMIRjOKVieioPttv/z0X86Pttv/AM9F/OvRPEJ6a/Qf7w/nUX223/56L+dI13AQMSL1HegCxQc7TtIBxwSM1B9tt/8Anov50fbbf/nov50AZkGk6gdYhv7+502WSJSheCweKUqQfl3+c3y5OcEEZ564NbVQfbbf/nov50fbbf8A56L+dAEepWH9owwxGXy0SeOVxtzvCNuC+3IFQanpc11eWt7YXMdteWwdFeWHzUZGxuUqGU9VU5BHT61b+22//PRfzo+22/8Az0X86AM6PStSs7WOPTdSgSQvJJcNcWhkWV3bcSAHUrg5wMng85PNMg0G7stMWz0/VXhXyZg7tCrF5pDu83qMYJY7Rxz7Vqfbbf8A56L+dH223/56L+dAGTa+H5/7NfS9TmsptOeMqYbS2kt2JJySX81ic857knk9cyWfhyLTtVuL+zurkyS2ywotzcTTqpBY7juc7h8w44xg4I3GtL7bb/8APRfzo+22/wDz0X86A8jLPh06g07+Iblb1pYTbhLeNrdEjJBYDDlskgZO7oAMDnLYfDC2d9eXen391FNPaCCJpp5bjymBY78SOQ33hgHpg/3jWt9tt/8Anov50fbbf/nov50AVWstSLMV1baC8JUfZlO0Kf3g/wCB+v8AD2rRqD7bb/8APRfzo+22/wDz0X86AJ6a/Qf7w/nUX223/wCei/nSNdwEDEi9R3oAg1O1v7uPyrOeyjhdSs0d3ZtOJAe3EijGM5BzmpNKsn0/TYrWRomMeQPJjZEAySAqszEADjGcDtgcVJ9tt/8Anov50fbbf/nov50ARw2HlatdXzy72nSONV248tVycZ75LE/lWb/wjswlkgS9RdMluvtTW/kfvA+8OQJN2NpcZxtJ5Iz0xrfbbf8A56L+dH223/56L+dAGZc6NfahdRrqGowyWMVyLhIY7UpISrbkVn3kEA46KCcDnrll7omp3cls51S2lNvNJKEubIuhJbMfyrIvKDgE59euK1vttv8A89F/Oj7bb/8APRfzoAz5fD8d+0Vxq0skl9HG0fnWU01qu0nONqyewzknOKZaaNfaVoVnp2k6hCht4wjy3UDzl+OoHmDb9MkDoOlaf223/wCei/nR9tt/+ei/nQBlp4S01Y4NzXhmhRkE8d5LC7bm3MT5bKCS3J49PQUWmi3+laPY2Gk6lGgtovLka7gecSHjkfvAVxg4GSADjHArU+22/wDz0X86Pttv/wA9F/OgDOs9EudOs4Lax1JkREmMpeFWMssh3eZ7YYsdo4Ocdqu2lteQzFru/wDtKeTGgTyQmHGd75H97I46DHvUn223/wCei/nR9tt/+ei/nQBas/8Aj6m/3E/m1F7/AMhDTv8Ars3/AKLak091knlZCCCicj6tS3v/ACENO/67N/6LagCW8/1A/wCuif8AoQpR1pLz/UD/AK6J/wChClHWgCOb/Vj/AH1/9CFWqqzf6sf76/8AoQq1QBT0b/kCWf8A1xX+VW7T/WXX/XUf+gLVTRv+QJZ/9cV/lVu0/wBZdf8AXUf+gLQBZooooAKKKKAPMT8evC+f+PHVv+/MX/xyj/hfXhf/AJ8NX/78xf8Axyvn2ivn/r9c/Yf9Ucs7P7z6C/4X14X/AOfDV/8AvzF/8cr0TTL+LVdJtNRt1dYbuBJ41kADBWUMAcZ5wa+Oa+tvBv8AyIegf9g23/8ARS13YPEVK0mpnynEuS4TLaNOeHTu21q79Daooor0j4kKhufuJ/10X+Yqaobn7if9dF/mKAJqKKKACiqCaxazaqdPtS9zNHnzzCu5IOOjt0DdPl+9yDjGTV+gAorM8Q60NA0ea++x3F4Y1ZhFAvopYlmPCqADyfoMkgFNU1O8tZrKDTbKG5nuy2BPcGJECrkksEc+g6UAalFY17q2oWp0+1SwtpNRvN/7trsrCm0ZP7zy9xPTACevQCkg1jUdR0m2u9K063keQuJVuLwxohVtp2sqNuBIODgAjnjpQBtUVT0vUV1TSLe/WNo1mjD7Dzj6EdR6EdRg1U0nXW1eHUHh0+4ge0l8pIrjCPL+7VwSP4M7hweR3APAANeisez1bUHvLmyv9Ogiu4rcTottdGVHBJABZkQqSVPbHXng0/TdUvZtTm0/VLKC2uI4VnBtrkzoVJI5JRCDlTxjB554NAGrRRRQAVDc/cT/AK6L/MVNUNz9xP8Arov8xQBNRVe+v7XTbU3F/OkEQIG5z1J6KB1JPQAcntTrO5+2WiTiGaEScqk6bHxngleoyOcHBGeQDxQBNRWUNcDeJxo4s7hf3Dy/aXXbGxUplVzy3+sGT07ZJzh2raleWdxZ22m2cN1PdM4AnuDCiBVySSEc+g6UdLgadFY17q2oWp0+1SwtpNRvN/7trsrCm0ZP7zy9xPTACevQCkg1jUdR0m2u9K063keQuJVuLwxohVtp2sqNuBIODgAjnjpQBtUVT0vUV1TSLe/WNo1mjD7Dzj6EdR6EdRg1U0nXW1eHUHh0+4ge0l8pIrjCPL+7VwSP4M7hweR3APAANeisez1bUHvLmyv9Ogiu4rcTottdGVHBJABZkQqSVPbHXng0/TdUvZtTm0/VLKC2uI4VnBtrkzoVJI5JRCDlTxjB554NAGrRRRQBQT/kJXP+4n82qK9/5CGnf9dm/wDRbVKn/ISuf9xP5tUV7/yENO/67N/6LagCW8/1A/66J/6EKUdaS8/1A/66J/6EKUdaAI5v9WP99f8A0IVaqrN/qx/vr/6EKtUAU9G/5Aln/wBcV/lVu0/1l1/11H/oC1U0b/kCWf8A1xX+VWrVlWW53MB+9HU/7C0AWqKb5if31/OjzE/vr+dADqKb5if31/OjzE/vr+dAHxjRX1p/wiHhT/oXtH/8Aov/AImj/hEPCn/QvaP/AOAUX/xNeL/Zs/5j9P8A9dsP/wA+n96Pkuvrbwbx4E0H/sG2/wD6KWkHhHwqCCPD+jgjoRZRf/E1rxCCCFIoBHHHGoVETAVQOAAB0FdeFwroNtu9z5zPs+p5rThCEHHld9SSim+Yn99fzo8xP76/nXefJjqhufuJ/wBdF/mKk8xP76/nUVw6lEwy/wCsXv7igCekY4UkAtx0Hek8xP76/nR5if31/OgDmdGhurPVIo7DR9U0vT3LGS3ne2e3QnJyoWVnTnHC5Xr8oJ3DqKb5if31/OjzE/vr+dAFDxDazX3hnU7S1TzJ57SWONMgbmKEAZPHU1U161huIrWO88MjXY1DHbtgYwtxjiVlHPPIPatrzE/vr+dHmJ/fX86AOIXQNSg07R4tU07+2rOBJlm01ZUfyyzBov8AWsqSCNQU5PGQQPS3HYXEeh29rrXhltZiaWWZLYvBMbMFv3cZ81lBwrEZUnGMDjBrrPMT++v50eYn99fzoAx9DTVrG0sbLUIPOBjkaa5Nzv8AJO7KR8/M/wApxu/2eetLbW93ZT69ci088z3Alt4g6jzgII1xk8DLKRzj8q1/MT++v50eYn99fzoBaHL6ZY3NnfXN3pnh86VZLasv9m74U+1TZBDBY2ZF4G3cSCc4PCg0mm2V3Y3l1eaR4fOl2qWjBdNMkMf2qfOVbEbMicDbuJyc8jCiup8xP76/nR5if31/OgDOe+1UO4XR9wDwBT9qUblY/vD/AMA9P4u1adN8xP76/nR5if31/OgB1Q3P3E/66L/MVJ5if31/Oorh1KJhl/1i9/cUAZXiK3E72zppF/eXEJZobqwlhjktmxjrJIuQe64ZTj5gelX9Ha7fSoTqKzLcDIbz1jWQgE4LCNmTJGM7Tj2HQW/MT++v50eYn99fzoAzri0nfxTYXipmCG0uI3fI4ZmiKjHXkI35Vn6iRqtjayan4Q/tRS0hELiB2hw2FbExXG5eeOR05rofMT++v50eYn99fzo6WA4hdA1KDTtHi1TTv7as4EmWbTVlR/LLMGi/1rKkgjUFOTxkED0tx2FxHodva614ZbWYmllmS2LwTGzBb93GfNZQcKxGVJxjA4wa6zzE/vr+dHmJ/fX86AMfQ01axtLGy1CDzgY5GmuTc7/JO7KR8/M/ynG7/Z560ttb3dlPr1yLTzzPcCW3iDqPOAgjXGTwMspHOPyrX8xP76/nR5if31/OgFocvpljc2d9c3emeHzpVktqy/2bvhT7VNkEMFjZkXgbdxIJzg8KDSabZXdjeXV5pHh86XapaMF00yQx/ap85VsRsyJwNu4nJzyMKK6nzE/vr+dHmJ/fX86AM577VQ7hdH3APAFP2pRuVj+8P/APT+LtWnTfMT++v50eYn99fzoApJ/yErn/AHE/m1RXv/IQ07/rs3/otqljIOpXJHI2J/Nqivf+Qhp3/XZv/RbUAS3n+oH/AF0T/wBCFKOtJef6gf8AXRP/AEIUo60ARzf6sf76/wDoQq1VWb/Vj/fX/wBCFWqAKejf8gSz/wCuK/yqSKNHnuS6Kx8wckZ/gWo9G/5Aln/1xX+VTwf665/66j/0BaAH+RD/AM8k/wC+RR5EP/PJP++RT6KAGeRD/wA8k/75FHkQ/wDPJP8AvkU+igBnkQ/88k/75FHkQ/8APJP++RT6KAGeRD/zyT/vkUeRD/zyT/vkU+igBnkQ/wDPJP8AvkUeRD/zyT/vkU+igBnkQ/8APJP++RR5EP8AzyT/AL5FPooAZ5EP/PJP++RR5EP/ADyT/vkU+igBnkQ/88k/75FHkQ/88k/75FPooAZ5EP8AzyT/AL5FHkQ/88k/75FPooAZ5EP/ADyT/vkUeRD/AM8k/wC+RT6KAGeRD/zyT/vkUeRD/wA8k/75FPooAZ5EP/PJP++RR5EP/PJP++RT6KAGeRD/AM8k/wC+RR5EP/PJP++RT6KAGeRD/wA8k/75FHkQ/wDPJP8AvkU+igBnkQ/88k/75FHkQ/8APJP++RT6KAGeRD/zyT/vkUeRD/zyT/vkU+igBnkQ/wDPJP8AvkUeRD/zyT/vkU+igBnkQ/8APJP++RR5EP8AzyT/AL5FPooAZ5EP/PJP++RR5EP/ADyT/vkU+igBnkQ/88k/75FHkQ/88k/75FPooAgjVUvpQihR5acAY7tUN7/yENO/67N/6Lap0/4/5f8Arkn82qC9/wCQhp3/AF2b/wBFtQBLef6gf9dE/wDQhSjrSXn+oH/XRP8A0IUo60Af/9k=)

1. Try changing the classification method to ‘Quantile.’ Although the raster grid is *continuous*, you have now **displayed** it as if it were 5 *discrete* elevation bands.[[8]](#footnote-8)
2. **Practice Display: An ecologist is interested in visualizing habitat for the Pine Marten in the Adirondacks. She thinks this animal prefers elevations between 500-600 m. Change the classified color scheme to emphasize this elevation range.[[9]](#footnote-9)** 
   1. **Note: Manual Interval is an option under Method. Also, you can choose a color manually for each class by double clicking on the color under the Classes tab.**
3. Before we leave layer properties, let’s get some more information on this grid. Open the layer properties for this raster. In the Source tab, you’ll find some important information about this grid. For example, under Raster Information you can see the columns and rows in the grid (2446 pixels x 3066 pixels), as well as the pixel size (67.37). If you scroll down, you can see some statistics (under Statistics), and the projection of the grid and the unit of measurement (under Spatial Reference).

![Graphical user interface, table

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAeAB4AAD/4REERXhpZgAATU0AKgAAAAgABAE7AAIAAAATAAAISodpAAQAAAABAAAIXpydAAEAAAAmAAAQ1uocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFNvcGhpZSBBcmdldHNpbmdlcgAAAAWQAwACAAAAFAAAEKyQBAACAAAAFAAAEMCSkQACAAAAAzU5AACSkgACAAAAAzU5AADqHAAHAAAIDAAACKAAAAAAHOoAAAAIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAyMDIwOjAzOjMxIDA4OjUwOjM0ADIwMjA6MDM6MzEgMDg6NTA6MzQAAABTAG8AcABoAGkAZQAgAEEAcgBnAGUAdABzAGkAbgBnAGUAcgAAAP/hCyVodHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLjAvADw/eHBhY2tldCBiZWdpbj0n77u/JyBpZD0nVzVNME1wQ2VoaUh6cmVTek5UY3prYzlkJz8+DQo8eDp4bXBtZXRhIHhtbG5zOng9ImFkb2JlOm5zOm1ldGEvIj48cmRmOlJERiB4bWxuczpyZGY9Imh0dHA6Ly93d3cudzMub3JnLzE5OTkvMDIvMjItcmRmLXN5bnRheC1ucyMiPjxyZGY6RGVzY3JpcHRpb24gcmRmOmFib3V0PSJ1dWlkOmZhZjViZGQ1LWJhM2QtMTFkYS1hZDMxLWQzM2Q3NTE4MmYxYiIgeG1sbnM6ZGM9Imh0dHA6Ly9wdXJsLm9yZy9kYy9lbGVtZW50cy8xLjEvIi8+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczp4bXA9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8iPjx4bXA6Q3JlYXRlRGF0ZT4yMDIwLTAzLTMxVDA4OjUwOjM0LjU5NDwveG1wOkNyZWF0ZURhdGU+PC9yZGY6RGVzY3JpcHRpb24+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iPjxkYzpjcmVhdG9yPjxyZGY6U2VxIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpsaT5Tb3BoaWUgQXJnZXRzaW5nZXI8L3JkZjpsaT48L3JkZjpTZXE+DQoJCQk8L2RjOmNyZWF0b3I+PC9yZGY6RGVzY3JpcHRpb24+PC9yZGY6UkRGPjwveDp4bXBtZXRhPg0KICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICA8P3hwYWNrZXQgZW5kPSd3Jz8+/9sAQwAHBQUGBQQHBgUGCAcHCAoRCwoJCQoVDxAMERgVGhkYFRgXGx4nIRsdJR0XGCIuIiUoKSssKxogLzMvKjInKisq/9sAQwEHCAgKCQoUCwsUKhwYHCoqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioq/8AAEQgCCQMsAwEiAAIRAQMRAf/EAB8AAAEFAQEBAQEBAAAAAAAAAAABAgMEBQYHCAkKC//EALUQAAIBAwMCBAMFBQQEAAABfQECAwAEEQUSITFBBhNRYQcicRQygZGhCCNCscEVUtHwJDNicoIJChYXGBkaJSYnKCkqNDU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6g4SFhoeIiYqSk5SVlpeYmZqio6Slpqeoqaqys7S1tre4ubrCw8TFxsfIycrS09TV1tfY2drh4uPk5ebn6Onq8fLz9PX29/j5+v/EAB8BAAMBAQEBAQEBAQEAAAAAAAABAgMEBQYHCAkKC//EALURAAIBAgQEAwQHBQQEAAECdwABAgMRBAUhMQYSQVEHYXETIjKBCBRCkaGxwQkjM1LwFWJy0QoWJDThJfEXGBkaJicoKSo1Njc4OTpDREVGR0hJSlNUVVZXWFlaY2RlZmdoaWpzdHV2d3h5eoKDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uLj5OXm5+jp6vLz9PX29/j5+v/aAAwDAQACEQMRAD8A9g8RXEoht4bSV4Ge6gjaVApZFeVUONwIzhj1Bq2fDEp66/qn/fNv/wDGqytYkHm24wSW1G0H0xcR12dap8tNaLd9F5HOoqVR3vsur8znm8Js+N2vaof+A2//AMap3/CLyf8AQf1T/vm3/wDjVb9FL2j7L7l/kX7KPn97/wAznz4VdgQ2vamQe223/wDjVKPC0iqFGv6pgf7Nv/8AGq36KPaPsvuX+Qeyj5/e/wDMwD4XkPXX9U/75t//AI1Ub+EPMdHfXdULRnKnFuMf+Qq6Oij2j7L7l/kHso+f3v8AzMD/AIReT/oP6p/3zb//ABql/wCEYlAx/wAJBqn/AHzb/wDxqt6ij2j7L7l/kHso+f3v/Mwf+EYl/wChg1T/AL5t/wD41TT4UckE6/qhK9Plt/8A41XQUUe0fl9y/wAg9lHz+9/5mB/wi8n/AEH9U/75t/8A41SjwxKOniDVP++bf/41W9RR7R9l9y/yD2UfP73/AJnPf8Im21h/b2qYbr8tvz/5Cp48MSjpr+qf982//wAareoo9pLy+5f5B7GPn97/AMzC/wCEZm/6GDVP++bf/wCM0f8ACNTf9DBqn/fNt/8AGa3aKPaS8vuX+Qeyj5/e/wDMwG8LyOpVtf1Mg/7Nv/8AGqX/AIReXj/ioNU4/wBm3/8AjVb1RS3VvBNFFPPFHJMSsSO4DSEDJCg9fwo55PovuX+QOnFbt/e/8zFPheQ9df1T/vm3/wDjVH/CLSf9B/VP++bf/wCNVv0Uud9l9y/yD2UfP73/AJnPjwo46a9qn/fNv/8AGqZN4Q8+Py5dd1RlznGLcf8AtKujop+0fZfcv8g9jHz+9/5mD/wjEv8A0H9U/wC+bf8A+NUh8LSEc6/qn/fNv/8AGq36iN1ALsWpnjFwyeYId43lc43Y64z3o55dl9y/yB0odW/vf+Zzq+CY0kZ11vVNzdTiD/41Un/CH/8AUd1T8rf/AONV0dFP20/6SE6EHvf73/mc5/wh/wD1HdU/K3/+NUv/AAiJH/Md1P8A75t//jVdFRR7af8ASQvYU1/w7/zOdHhIr013U/8Avm3/APjVL/wibf8AQe1T/vm3/wDjVdDRS9o30X3L/Ir2MV3+9/5nPHwmx/5j2qf982//AMapH8Ilxh9d1Qj6W/8A8aroqKPaPsvuX+Qeyj5/e/8AM53/AIRE7cf29qmMYxi3/wDjVIPB+1Qo13VAAMDi3/8AjVb091b2xjFzPHEZXEcfmOF3seijPU+1S0cz7L7l/kHs47Xf3v8AzOcHhDH/ADHdU/K3/wDjVH/CHAZxruqD2Atx/wC0q6OilzvsvuX+Qeyj5/e/8zmv+EMBBB13VSGGCCYOf/IVKPBoAwNd1TH0g5/8hV0lFP2j7L7l/kHso+f3v/M57/hEjx/xPtT46fLb/wDxql/4RR/+g9qn/fNv/wDGq6CilzvsvuX+Qeyj5/e/8zn/APhFH/6D2qf982//AMapP+ETY/8AMe1T/vm3/wDjVdDRRzvsvuX+Qeyj5/e/8znR4RKsSNe1QE9eLf8A+NUv/CKN/wBB7VP++bf/AONV0NFHO+y+5f5B7KPn97/zOd/4RI/9B7VP++bf/wCNUf8ACIk/8x3VPyt//jVdFRRz+S+5f5B7KPn97/zOd/4RD/qO6p+Vv/8AGqP+ESP/AEHtU/75t/8A41XRUUc3kvuX+Qeyj5/e/wDM5z/hEP8AqO6p+Vv/APGqP+EQ/wCo7qn5W/8A8aro6KObyX3L/IPZR8/vf+Zz3/CKMP8AmPap/wB82/8A8apP+ERP/Qe1T8rf/wCNV0VFHO+y+5f5B7KPn97/AMznv+ETYf8AMe1T/vm3/wDjVH/CJH/oPap/3zb/APxquhoo532X3L/IPZR8/vf+Zzx8Jseuvamfqtv/APGqT/hESf8AmPap+Vv/APGq6KijnfZfcv8AIPZR8/vf+Zzv/CInP/Id1T8rf/41R/wiRP8AzHtU/K3/APjVdFRRzeS+5f5B7KPn97/zOd/4RI/9B7VPyt//AI1QfCJP/Me1T8rf/wCNV0VFHP5L7l/kHso+f3v/ADOe/wCETYf8x7VP++bf/wCNUf8ACJN/0HtU/wC+bf8A+NV0NFHO+y+5f5B7KPn97/zOe/4RNj/zHtU/75t//jVJ/wAIkf8AoPap/wB82/8A8aroqKOd9l9y/wAg9lHz+9/5nO/8Ikf+g9qn/fNv/wDGqX/hE2/6D2qf982//wAaroaKOd9l9y/yD2UfP73/AJnOnwkSMHXtUx9Lf/41SHwfn/mOanx0wtuMf+Qq6Oij2j7L7l/kHso+f3v/ADOcXwgUORr2qZ9xAf8A2lSnwkW669qn/fNv/wDGq6KijnfZfcv8g9lHz+9/5nPDwkR017U/++bf/wCNUn/CIk/8x3VPyt//AI1XRUUc/kvuX+Qeyj5/e/8AM53/AIRE7lP9u6plSSOLf0x/zyp3/CKP/wBB7VP++bf/AONV0FFHO+y+5f5B7KPn97/zOf8A+EUf/oPap/3zb/8Axqmt4Q3fe13VD+Fv/wDGq6Kin7Rrt9y/yD2MXvf73/mc1H4LSJAseuaoF9MQf/GqH8GLIwZtc1TIUqCPIGAev/LL2FdLRTdWT3t9y/yF7GCd9fvf+Zy58Dxldp1zVcfWD/41Ui+Dgn3dd1Qfhb//ABqukope1l5fcv8AIPYwff73/mc1/wAIYv8A0HNU/K3/APjVH/CGL/0HNU/K3/8AjVdLRS5vJfcv8h+yj5/e/wDM5xfCGwYXXdUA+lv/APGqUeESqkDXtUwSSflt+/8A2yroqKOd9l9y/wAg9lHz+9/5nO/8Iif+g7qn5W//AMapf+ETb/oPap/3zb//ABquhoo532X3L/IPZR8/vf8Amc9/wibYx/b2qf8AfNv/APGqT/hEjj/kPap+Vv8A/Gq6KijnfZfcv8g9lHz+9/5nOf8ACH8Y/t3VPyt//jVKPCRXpr2qf982/wD8aroqKObyX3L/ACD2UfP73/mc7/wiJ/6D2qflb/8Axqj/AIRE/wDQe1T8rf8A+NV0VFHP5L7l/kHso+f3v/M53/hETjH9u6pj6W//AMapB4QwcjXdU/K3/wDjVdHRRz+S+5f5B7KPn97/AMznf+ERP/Qd1T8rf/41Sf8ACIYbP9u6pn6W/wD8aro6KOfyX3L/ACD2UfP73/mc3/whw24/t3VMfS3/APjVA8HAHI13VPyt/wD41XSUUc3kvuX+Qexj5/e/8ziNY0qTQX06SDU7y5E90YXjnEW0jypGz8qKc5Qd6nW6kjUKu5vU+9W/GeNmj7uB/aB/9J5qgiWMRjOK58Ra8X5enVkQVnJef6IZrUCRG2KszZ1C0+82cf6RHXX1yeuDi1/7CFp/6UR11lbp3pr1f6Fx/iP0X6nKeKP+Rw8Kf9fU3/ouuonl8i3kl2PJ5aFtkYyzYGcAdzXHeOdRtdJ1/wAM32oS+VbQ3MpkfaWwNmOgBPen6h41s9b8P6pH4OvGutShtjIqpA6sBkAkblGSAeB1rrdKc6dNpad+m73ZzKtTp1pqT1006vToiT/hMNVs7y2/t3wzLp1jcTLCt19sjlKsxwu5B0Hrzx71sWGtG717UtKmtvIlstjo2/d50bg4YcDHIII5ry6+Hhi+06yvdH+36nqaXNv9qv7t5S0WXAw5b5Sf4QBngE5457XxlcyeHdTtPElvE0pEUllOijO7cC0X/j4A/wCBVvUw8LqKjZu66rVWa3b32+exzUcTUacnK6Vn0ejunsltv1236Gg/i+1gttYvLuFo7LTZ/s6yq25rh8DKquB/EQOv5YqraeMNQS+tItf8Oz6TbXziO3uGuFkG88qrqAChPv349cZmv+GbuP4bWdrbrPLdWs0d3cC3OJXfJaQr/tZYkfQVl6cnhjXNQsoLbxN4m1SdZo5RaTSM6oQQdz5TaAO5z9KIUaMotpX1t10st/nvroKpiK8ZJXtdXV7K7bemu9lZaanU3Pi+7/t7UNH0vRJL+7szGQFuFjVkZclizDC4yAByT+FdT254rl/DwH/CdeKjjnfa8/8AbM11FcVdRjaMV0T+9JnfQc5c0pO+rX3No8v8M+DfDmp+E59U1aExTiacteC4dPKCucN12jGO4rU0fxfc6T4B0W/1eOW8a6uPs5kLHzCm5tr4wSxwo47+tU/BPgvw/q2irqWo6ctxdfapcu8j4O2Q4yudpHHTHNb3jKNI38Nxoiqi6xAFUDAAAOABXoVakZ1fZSbevXpvotX+m2x51KnOnSdaKUdHt183otvn6ktz4tn0zR/tWs6NNa3c0/kWljHKs0lwSBtPy8D3HOMd+KjtfF1/DqtrZeJdAk0gXjeXbzi5SdGf+6xUfKT29aZ41WezvNG12O2lurfS53a5jiGWEbrtLgd9vX/OaztU1+y8bXel6d4aMt55N9Fc3NwIXRLdEJPJYDk9voaxp04Tipcmjvd6+7+Pz1vfY2q1Z05OPPqrWVl734fLS1t2a134uuY9d1DR9O0Wa/vLURmNY5giuGXcSzMMIB07kk9Kn0HxSdUvLvT9U0+TStRs1EktvJIHUof4lccEev1rCHiCz8PfEHxFPqiyR2jpaq10sZdY28s4DBQSM84OMcUWW/xj4i1XVtPSSLTm0xtPtriRCnnsxJLrnnAPFDox5LuNlZO+u9l8vlv12Gq8nUsp3fM1y6bX376d9um5bbx3eSwy6jp3hu6u9EhY7r4TKjMqn5nWI8sB657dsHF7VfGEWn3GkpaWj3yarG7QGJ8FiFBUAEY53DkkY615/pv9i22mppeveI/E+nahGPIl01JXKk9AEUIRtOeBnvXW/YobDxP4LtbdZhFDbXCoLgDzAPKH3sd/WtalClGVuXv31STe/wDloYUsTWnG/Nrp20bkla263e+pW8QeIPFEV9oO3QJLZ5LjLQJqKYmfDjyiRxjADZPHbqK35tVzqvh+DVNGijvL3zWG+RZGtGVMnawHORxkEVU8c3CadLoWp3W4WlnqAa4kVC3lqVZdxA7ZIqPUL621PxZ4PvbGTzbeb7U0b7SNw8r0PNZJKcItRsve1V+zdtzaTlTqSTm2/d0dtrpX2LepeK7pNYm0zw9osmsXNsoa6InWGOHPRdzcFvb/AOvhB43tP+EZbVHtLhbhJ/sj2Jx5i3GceX6de/p27Vx2oW9nonizVx4i1vXNGivJzcWs1jKywzA4yDtU/MOn0x7Z17a38K2Pg27uNQbUr/Sb67DS3N+jFmJAxICAG2k4G7GcmrdCkoRfK3e219e67fJakLEVnUkuZK3No7aWvZ237a7HR6VrGt3Uk6at4bfTtkRkiIu0mEpH8OVHB571f0W/n1PR7e8u7GXT5pVJa2l+9HyRzwPr0HWuQ8I6wzazcxaVqd9rHh+G1MhubyNi0MoPKByoLfKc47cfj1+i6vBruj2+pWiSpDcKSqyrtYYJHIyfSubEU+S/u2276b6Wff8AQ6sNV57e9fftrtrdJaL9ddjN1zxQ+n6pDpWk6bJq2pyJ5pt0kEaxx/3mc8D2/wD1Zx9M1K41H4mwfb9Pl067i0qRZYJGDgZkUgq44Ye47gijUdTi8J/EC61LWVkj03UbWONLtYy6xSJn5DjJ56/5JBp2rx638TYLu0ilW0OkuIZZEKecPMX5gDzt5wCQM4NbwpqMLqOnK9fO23b5b9TnqVHKfK5aqS93Ta617/PbpuXLnxlfTXl3H4c8PTavb2TmOe5FwsS7x1VAQS+Pbv8AUZlv/HFpbaBpmr21vJcW9/cLBt6PHnOflAOWBBG0dT3rhLOHTdAkudN8S+I/EOi3MU7tGltM4hmQsSHTah69/f8ATdvtPtdN8O+F4dP+2eQ2txSKb0YlOWY5IwOvXp0Nayw9FOKtpda666d9vuMliazU3fVJ6aaa6ab/AH79DVfxzc2GoC117w9d2DTqTZBJVnNy2cbPl4VuRxk/43dG8UXl5rjaRreivpN2YfPhBuFmWVQcH5lAGR6c/h3i8RgHxl4VyM/6RP8A+ijS6j/yU3Rv+vG4/mtc/LSlFe7ZtN7vS19tfLW9/Kx0uVWEn790nFbLW7S106X0tbzuUfEXgvQksdS1nVZrl7xQ86Xj3LBoD1VUAOAAcYGDVLxDcvL8J9MbxC7gzvbC6ZwdxXcCScc52jPHNVk8Z+GdT1WS78TaiVW1nZbTTzBI0ce04Ej4Uh3POM8LngZ5rrpvGeiQaHb6ybiRtOnlMYuFhchSM8kY3AZXHTqRWr9vT5FOLdmn/wABGP8As9Rz5JJXTT2vru36fr0MrwZa+BzfS3XhDy/tKxlJB5ku4ISCflkPTOOcVnaT4Zs/HNjea7rbzSXNzNIlkyysotI0Yqu0A4zkZ579uubFle2vin4hWOreH4nazsoJEur7ySizFgAsfIBJHXpxVbRPEtp4JsLnQNaS4W9tp5DaRJCzfa0diybCBjJJxzjn8cVJVU24N89lvrJK7v8Ao/RkRdKyU1HkTeqVot2Vv1XqiKPUbnUvDfhR7+Qy3UGtx28shOS5RmXOe5wBzXX2XiBtU12e002086ytcpcXxk2qJP8Anmgwd5HGTkAflnirzQ7iLwb4csNRMltcXmrrJN5R2vEZC54PYgEfjXQ+F78aHMnhTV0htrm3X/Q5UGyO8jz94f7f94dc5PNKtCEotx1d3p+b+X/B2KoTnGcU3ZNR1++yfr3+W7Ouoooryj2AooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACsbxC2r2sCX+jyq4tstPZyBQsyd8MRkMPritmsnXNFk1xYraW9aGwzm4t40w0/+yXzwvsBzQBlaRr174s1BLjSJGstItwPMdkUyXDn+DBztUevU9q6usNfDMdnrEd/oky6flQlzbrFuinUdPlyNrD1FblAHNeM/uaP/wBhD/23mqrDCNhMoBYnPSrPjX/V6P8A9hD/ANoTUyPHljNRiFpF+X6swj8cvX9EN10Dbbf9hC0/9KY66uuV145W1z/0ELT/ANKI66qtV/DXq/0Kj/Efov1CiiipNQrmr7RNY1nxDCdUuLNdFtJhPDBAG82Zxjb5hPGAcnj/AOuOloq4TcHdGdSmqi5Zbf1+AUUUVBoFFFFABRRRQAUUUUAY2naRcWfinWdSleMw3wgESqTuGxSDnjHfsTWzRRVSk5O78l92hEYKCsv6uFFFFSWFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBzPjX/V6P8A9hD/ANoTUyIfuxT/ABqCYtIA6nUMf+QJqZDxEOajEbR9P1Zzx+OXr+iGa6w/0UA8/wBoWnH/AG8R11lcnrcaqtuwySdQtOv/AF8x11lb6ezVu7/QqF/aO/ZfqFFVoLWCe6ummhSQh1ALDP8ACKsf2dZ/8+sX/fIrM2FopP7Os/8An1i/75FH9nWf/PrF/wB8igBaKT+zrP8A59Yv++RR/Z1n/wA+sX/fIoAWik/s6z/59Yv++RR/Z1n/AM+sX/fIoAWik/s6z/59Yv8AvkUf2dZ/8+sX/fIoAWik/s6z/wCfWL/vkUf2dZ/8+sX/AHyKAFopP7Os/wDn1i/75FH9nWf/AD6xf98igBaKT+zrP/n1i/75FH9nWf8Az6xf98igBaKT+zrP/n1i/wC+RR/Z1n/z6xf98igBaKT+zrP/AJ9Yv++RR/Z1n/z6xf8AfIoAWik/s6z/AOfWL/vkUf2dZ/8APrF/3yKAFopP7Os/+fWL/vkUf2dZ/wDPrF/3yKAFopP7Os/+fWL/AL5FQWKhbXaowA7gAdvmNAFiiobpQ8KqwDKZYwQR1+cVP9htP+fWH/v2KAEopfsNp/z6w/8AfsUfYbT/AJ9Yf+/YoASil+w2n/PrD/37FH2G0/59Yf8Av2KAEopfsNp/z6w/9+xR9htP+fWH/v2KAEopfsNp/wA+sP8A37FH2G0/59Yf+/YoASil+w2n/PrD/wB+xR9htP8An1h/79igBKKX7Daf8+sP/fsUfYbT/n1h/wC/YoASil+w2n/PrD/37FH2G0/59Yf+/YoASil+w2n/AD6w/wDfsUfYbT/n1h/79igBKKX7Daf8+sP/AH7FH2G0/wCfWH/v2KAEopfsNp/z6w/9+xR9htP+fWH/AL9igBKKX7Daf8+sP/fsUfYbT/n1h/79igBKKX7Daf8APrD/AN+xR9htP+fWH/v2KAEopfsNp/z6w/8AfsUfYbT/AJ9Yf+/YoASil+w2n/PrD/37FH2G0/59Yf8Av2KAEopfsNp/z6w/9+xR9htP+fWH/v2KAEopfsNp/wA+sP8A37FH2G0/59Yf+/YoASil+w2n/PrD/wB+xR9htP8An1h/79igBKKX7Daf8+sP/fsUfYbT/n1h/wC/YoASil+w2n/PrD/37FH2G0/59Yf+/YoASil+w2n/AD6w/wDfsUfYbT/n1h/79igBKKX7Daf8+sP/AH7FH2G0/wCfWH/v2KAEopfsNp/z6w/9+xR9htP+fWH/AL9igBKKX7Daf8+sP/fsUfYbT/n1h/79igBKKX7Daf8APrD/AN+xR9htP+fWH/v2KAEopfsNp/z6w/8AfsUfYbT/AJ9Yf+/YoASil+w2n/PrD/37FH2G0/59Yf8Av2KAEopfsNp/z6w/9+xR9htP+fWH/v2KAEopfsNp/wA+sP8A37FH2G0/59Yf+/YoASil+w2n/PrD/wB+xR9htP8An1h/79igBKKX7Daf8+sP/fsUfYbT/n1h/wC/YoASil+w2n/PrD/37FH2G0/59Yf+/YoASil+w2n/AD6w/wDfsUfYbT/n1h/79igBKKX7Daf8+sP/AH7FH2G0/wCfWH/v2KAEopfsNp/z6w/9+xR9htP+fWH/AL9igBKKX7Daf8+sP/fsVBZ/8eFv/wBcl/lQBheMcY0bPT+0D/6TzVXt2BhHJ/EYqfxkMrowH/QQ/wDaE1UkQkE4ZuexxUYjaPp+rMI/FL1/RE2unEdqP+ohaf8ApRHXV1yuuD93a/8AYQtP/SiOuqrVfwl6v9Co/wAR+i/UZZ/8fF3/ANdB/wCgLUWv6mdG8PX+pCPzDa27yhD/ABEDIFS2f/Hxd/8AXQf+gLU11aw3tnNa3UYlgmQxyIejKRgioexsrX1OYe2s9LfT5Nb1XWJNQnkjJuI5LjyGkLABCiDyUUkhcEDg9c81HN8Q7GPVHhjawe3juxaPnUFFyW3bCywY5UMf7wOASAeM3T4c1OSC2sbrWY7jT7aeKVd9mftDCNw6hpA+08qATs5HvzU1loeoaZdSJp2pxR6bJctcG3ktN8ibm3OqybwApYk8qSNx56Yrr/XkTrbz/wCHKn/CW3QmeR9JVdPi1H+z5Lg3Xz7i+wOqbeVyQDlgRzwcZqvN8Q7GPVHhjawe3juxaPnUFFyW3bCywY5UMf7wOASAeM6M3hfztKnsvtmPN1EX2/yun74SbMZ9sZ/HHanWWh6hpl1ImnanFHpsly1wbeS03yJubc6rJvACliTypI3HnphR2V/62/4I31t/W/8AwBLXXr+9GoyQaZCILKSWFXlu9pldGx02YVMcls5HIwetY1z4uOreHdXW2lt47myMB87Tr77RGyu4xtkAUg8MCCB+Oa17rwqLnQr3TjdKftN6bwM8O5AfNEgVkz8y5GCMjI9KhfwpdXS6m9/qiSz6ikCMY7bYkXlMT8q7ycHPcnnJz2AttewPyOmooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACqFn/x7n/ro/wD6Gav1Qs/+Pc/9dH/9DNADrn/Vp/11j/8AQxV2qVz/AKtP+usf/oYq7QAUUUUAFFZcPibQbi8W0t9b06W5Ztiwpdxs5b0Cg5z7VqUAFFFFABRRRQAUVCt3bPePaJcRNcxqHeEOC6qehK9QD61NQAUVQtNasL7Urmxs5XmmtG2zFYX8tG4JXzMbdwyPlByPSr9ABRRRQAUUUUAFFUrbV7G71W8023n33diENxHsYbN4yvJGDkehNXaACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAI5547a2knnbbFEhd2xnAAyTxWH4Z8Tpr8l5GyrG8UhaJcYLRHoSMnJHfHHIrR1nT4NV01rS7nkghkYbihUFsHIGSD3APHpWNpvg/SdM1KG7s7+486NvlBkjIORgjG3uCRQB1FUbP/jwt/wDrkv8AKr1UbP8A48Lf/rkv8qAMLxh00b/sIH/0nmqlG7lT8mefWrfjPPl6Rt6/bzj/AMB5qpQLJ5K88455rLEfZ9P1ZhH4pev6Isa6w8u19f7QtP8A0ojrqq5XXgAlpk8/2haY/wDAiOuqro19mvV/oVH+I/RfqMs/+Pi7/wCug/8AQFq3VSz/AOPi7/66D/0BannnjtreSedtsUSF3bGcADJPFRsaklFVbHU7PUdLi1GznWSzmj8xJeVBX156fjRpupWmr6dFfadL51tMCUfaVzgkHggHqDQBaoqOSeKKSOOWVEeUlY1ZgC5AyQB34BP4VJQAUVBe3tvp1lLd3knlwRDc77ScD6Dmp6ACio1nied4FlRpYwGeMMNyg5wSO2cH8jUlABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVQs/+Pc/9dH/9DNX6oWf/AB7n/ro//oZoAdc/6tP+usf/AKGKu1Suf9Wn/XWP/wBDFXaAOD1m38XaDrFzJ4fd9TttVfCrN8xs5D/F7Lj8OBnpz0/hzSrjRtFjtb2+lvrgsZJZZGz8zckDPOM1q0UAeMWjTXHgWw0/U44bTR7jWXVtSSQvJCwmZgCm0BNzDbv3HGeRzXTeMvFF9YrqtxoF7fyvpQj86OO3g+yxHIJWRpMSMSCf9WeMjoevWL4Z0ddAm0UWYOnTljJAXY5LNuJyTkc88HjtVO48CeHrsTLcWUrrcIiTr9smCzBBhS434ZgB945PvSWit/WyX6f11el7/wBb3Me813VbTxOp1m5vtM0qZ4RZT21vFLbPnbuWZirOhZm2j7o4znvVHTZbjRfEvjvVPtlzdfYVjmMDCMLMRCWG4hMjHQYxx1zXXyeFNImuxcTQTSFZFlET3crQ71AAbyi2zIwO3XnrU66BpqaxPqaW7LdXKBJysrhJgBgbkztY44yRmm9tPP8AQS8/I5bQdQ8W3d5pF68N7NY3cZe9FytokMasu5Wh8tzJweMPuJB5wau/D681bWNAj1bWNTe5aV5Y1hEMaIoWQgE4XJbjHUDGOM8nV07wrpGlTRPYwzxiEsYojdzPFEWzkrGzFF+8eg4yau6XpVnounpY6ZD5NsjMypuLYLMWPJJPUmnoLWxxt1cy2fjvxZc2zbJodEikjbAO1gHIODx1pmlazri3fhFrzVnuk1+0czxmCJBEwhDhkwuc+u4kHJ4HAHYS6Dps15e3UltumvrcW1w3mN88Yz8uM4HU8jBpqeHtLjbSylrg6ShSy/eN+6BXYR1+b5eOc0o6LX+tX/mhvV/12VvyPPdF1G98MeC/E2q291JdSx6vNCkdwqeWHMqr5jbVU55yRkDjgCumkvNV0DxRoljc6rLqsGqeZFIJ4YkaJ0TdvTy1Xg9CDn61uwaBpdvY3dlHZoba9lea4ikJdZHf7xIYnr6dKj07w1pel3K3FrDK0yR+UklxcyztGn91DIzbR7DGcD0oWy+X5f1/SB9fn/X9fqcNH4g8RD4UX3iaXWXa8XekKC3iCIBPt3EbMlsAjrjGOM81qiXxB/wnCaE3iGb7Pcab9taUW0PmROH2lUOzG0kj7wY4HXPNdH/wi2j/APCOPoP2P/iWuSWg81+ctvPzZ3fe561a/smy/thdV8n/AE1Lc2yy724jLbtuM46jrjNH9fh/mD8v61X6HE6Z4rvNW8N6Kkl7ff2vdecDFpkEJknETlC5Mo8tF4yemSQB6Vjz3+peI9B8H3l/fzQ3X9tfZ3aKOIZZWdRJgqwD4HTleTx0rvR4L0Fbe0his5IRZGQ27Q3Msbp5hy43qwYgk9CcU4eDtCXR4dLSx8u0t5/tEKxzSK0UmSdyuG3Kck9DR1v5/r/kD6pef6nM6x4u1XRb3xUqSrcrpsVktqsyKAjS/KzMVAJ55x+WK05LzVdA8UaJY3Oqy6rBqnmRSCeGJGidE3b08tV4PQg5+tbY8O6V517I9msrX8SRXXnM0glVBhQQxI6Hr1Pem6d4a0vS7lbi1hlaZI/KSS4uZZ2jT+6hkZto9hjOB6Uf1/X9fkD/AK/D+v8Ahzh9N8R+IP8AhH9B1u51Zrg3urCyltWt4ljaNpXTOQu7cMA5BA4HHUn02shPCujR6Zaaelni1s7kXUEfmv8AJKGLBs5yeSTg8Vr0+n9eQPe/9bsKKKKQBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBR1X/j1X/fH8jWbbf8AH1F/vj+dWPE199g02OXy/MzMFxux2P8AhXPaf4g87UrWL7Nt3zIufM6ZI9q2jQqTjzRWhhPEU4S5ZPU7mqNn/wAeFv8A9cl/lV6qNn/x4W//AFyX+VYm5z/jU4h0gjr9vP8A6TzVVtwRAoOT9TVrxrnytI29ft56/wDXvNVeNcxjdnpWWI+z6fqzCPxS9f0QmtRti0eVizf2hafQf6RHXX1y2u/6q1z1/tC0/wDSiOupro/5dr1f6DirVH6L9Rln/wAfF3/10H/oC1Hrv/Iu6l/16S/+gGpLP/j4u/8AroP/AEBasyRpLG0cqK6OCrKwyGB6gispK8WjeLs0zzuxR7Wwh8KRbkj1ZYp4CBgJA67rgAjoQVb/AL+rTLOa+NhoGj2ColtcG8cr9uks/MZJTtQSRqzDAJbaMZ29cAg+iLbQI8TpBGrQoY4yEAKKcZUeg+Ucew9Kgn0jTbqxFlc6fazWobcIJIFZA2Sc7SMZySfxq5O7v/Xl/XclKy/r+tTjn0qeS88Nx61dySTLfXEam21KZsII5CqlxsLMMbSxGTgg55qO+1O4OsWup2DXEMEmsLZb7jU3/fYfy3VbYAx7eDg5VuN317R9G0yWwisZNNtHtISGjt2gUxoR0IXGB1pP7D0n7a95/Zln9qkYM8/2dN7EEEEtjJIIB/AUdU/66A9n/Xc4XW9t/wCD9a1S+1K7iu472S3EP2lljjCy7EiMWdhJXByRu+bIPSrHjDU51OrX2mtcQvpRjR7iTU3hjWTCsFSBQVlzuAO8DOcA+nYz6FpNzeNd3Ol2Uty67Wnkt0Z2GMYLEZxiluNE0q7vDdXemWc9yU8szS26M5XGNu4jOME8Ul0/r+v6+b6s5l1s9M8V+I9VnlvB9m06GdxHdSNwRLnCFtp6cAjAPTHNJ4dmvbXxkLCYyRQz6cbg20uqSXrgh1Cs28fISGYEKxU49snrJdNsZ7xbqeyt5LlEMazPEpdUPVQxGcHJ496jsdG0zTCDpum2lpgED7PAseM4z0HfaPyHpQtH/XmJ7f15F2iiigYUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVQs/+Pc/9dH/9DNX6oWf/AB7n/ro//oZoAdc/6tP+usf/AKGKu1Suf9Wn/XWP/wBDFXaACiiigAoqnHbQTXN000McjeaBlkB/gWpfsNp/z6w/9+xQBPRUH2G0/wCfWH/v2KPsNp/z6w/9+xQBPRUH2G0/59Yf+/Yo+w2n/PrD/wB+xQBPRUH2G0/59Yf+/Yo+w2n/AD6w/wDfsUAT0VB9htP+fWH/AL9ij7Daf8+sP/fsUAT0VB9htP8An1h/79ij7Daf8+sP/fsUAT0VB9htP+fWH/v2KPsNp/z6w/8AfsUAT0VB9htP+fWH/v2KPsNp/wA+sP8A37FAE9FQfYbT/n1h/wC/Yo+w2n/PrD/37FAE9FQfYbT/AJ9Yf+/Yo+w2n/PrD/37FAE9FU7aytWhy1tCTubrGP7xqX7Daf8APrD/AN+xQBPRUH2G0/59Yf8Av2KPsNp/z6w/9+xQBPRUH2G0/wCfWH/v2KPsNp/z6w/9+xQBPRUH2G0/59Yf+/Yo+w2n/PrD/wB+xQBPRUH2G0/59Yf+/Yo+w2n/AD6w/wDfsUAT0VB9htP+fWH/AL9ij7Daf8+sP/fsUAT0VB9htP8An1h/79ij7Daf8+sP/fsUAT0VB9htP+fWH/v2KPsNp/z6w/8AfsUAT0VB9htP+fWH/v2KPsNp/wA+sP8A37FAE9FQfYbT/n1h/wC/Yo+w2n/PrD/37FAE9FQfYbT/AJ9Yf+/Yo+w2n/PrD/37FAE9FQfYbT/n1h/79ij7Daf8+sP/AH7FAE9FQfYbT/n1h/79ij7Daf8APrD/AN+xQBPRUH2G0/59Yf8Av2KPsNp/z6w/9+xQBPRUH2G0/wCfWH/v2KPsNp/z6w/9+xQBPRUH2G0/59Yf+/Yo+w2n/PrD/wB+xQBPRUH2G0/59Yf+/Yo+w2n/AD6w/wDfsUAT0VB9htP+fWH/AL9ij7Daf8+sP/fsUAT0VB9htP8An1h/79ij7Daf8+sP/fsUAT0VB9htP+fWH/v2KPsNp/z6w/8AfsUAT0VB9htP+fWH/v2KPsNp/wA+sP8A37FAE9FQfYbT/n1h/wC/YpGsbTaf9Fh6f88xQBieN/8AkCQ/9fC/+gtXIaR/yG7H/r4j/wDQhXR+IRjwlbAcD7Uf/Z65zSP+Q3Y/9fEf/oQr2ML/AAH8zxMX/vK+R6lVGz/48Lf/AK5L/Kr1UbP/AI8Lf/rkv8q8c9swPGf+r0fjP/EwP/pPNTYLZDEDJ8xNO8ZDK6MOv/Ew/wDaE1SW/MIy2KdXaPp+rMIK85ev6Ipa1OJBbKwKuNQtPlP/AF8R111cpr2Ntrj/AKCFp/6UR11dV/y7Xq/0Kj/Efov1Ofv9RurPU50tpdikqSNoPO0eoqD+3NR/5+P/ABxf8KbrP/IWm/4D/wCgisfVL7+zdJur0xmX7PE0mwHG7A6Z7V6MYwVNSa6HmTnUdRxTe/c2v7c1H/n4/wDHF/wo/tzUf+fj/wAcX/CuJ8OazrGpwpf37aUNOaNmZrd23wkDOHycDjrV/T/FWi6pdNbWN+ksygnbtZcgdcZAz+FNKl2RLlWV9X+J0/8Abmo/8/H/AI4v+FH9uaj/AM/H/ji/4VzkfiLS5bO1uo7rMN3N5EDeW3zvnGMYyOnU8U2LxNo82oPYx3y/aUZ1dCrDaUGWySMAD16U+Wl2Quat3f4nS/25qP8Az8f+OL/hR/bmo/8APx/44v8AhXMWvivRL1blra/RltV3zMVZVUZxnJGD+FTaTr+ma4sh0u7Wfyz842lSPwIBx70KNJ7JA5Vlu3+J0P8Abmo/8/H/AI4v+FH9uaj/AM/H/ji/4Vn0VXs4dkT7Wp/M/vND+3NR/wCfj/xxf8KP7c1H/n4/8cX/AArPoo9nDsg9rU/mf3mh/bmo/wDPx/44v+FH9uaj/wA/H/ji/wCFZ9FHs4dkHtan8z+80P7c1H/n4/8AHF/wo/tzUf8An4/8cX/Cs+ij2cOyD2tT+Z/eaH9uaj/z8f8Aji/4Uf25qP8Az8f+OL/hWfRR7OHZB7Wp/M/vND+3NR/5+P8Axxf8KP7c1H/n4/8AHF/wrPoo9nDsg9rU/mf3mh/bmo/8/H/ji/4Uf25qP/Px/wCOL/hWfRR7OHZB7Wp/M/vND+3NR/5+P/HF/wAKP7c1H/n4/wDHF/wrPoo9nDsg9rU/mf3mh/bmo/8APx/44v8AhW3pLtJpkbucsxYk++41yldTo3/IJh/4F/6Ea5sTCMYaI68JOUptN9Czc/6tP+usf/oYq7VK5/1af9dY/wD0MVdrgPSCiiigCtCwSS8dzhVkyT6DYtZGnX2u6zbxanamwtbGYh4baaF3lkizwxcOAhYc42tjjk9teJQ8l4jjKtJgj1GxayNMste0i3h0yFdPubGDEcN1JM6SpEMABowhDMBxneufQULcHsW/+El0r+0jZfaG80S+QX8h/KEn9zzduzd227s5460mka0t8fJuSiXLT3SxoinDRwzGPOeeeVzzyTxWXFoGqxwvpJNm2ltfG6F15reftMvnbPL27c7sjdu6c4zT49D1bT7i3vLBbO4mimvd0M0zxq0c83mAhgjEMNq8bccnmhef9f0wf9fj/wAA0p/E2lW8cDvPI32gyLCkVvJI8hjba4CqpJwfboCegzSaf4o0fVbiKGwuzMZlLROIXEcmBkhXK7WYZ5UHIwcgYOKekaDe2UumSXcluzWq3Xm+UWwTLIHG3I6cc5/WnWmg3Vvb6MjyQk2FzLLLgnkMsgGOOvzjrjvQBZsPFOj6lcxw2d0ztMjPE7QSJHIF+8FdlCsR3AORg5HBqxpmt2Wsb/sDTOqgMHktpI1dTnDIzKA446rkfnWbbaDdwaboMBeAvppJlySVb906ccc8sOuOM0eG9I1HTLic3SwWto0arHZW93JcRo+TuZd6r5a4wAi/KMU+oM6GiiikAUUUUAFFFFABRRRQAUUUUAFFFFAENr/qP+BN/wChGsO+kv7DXLLbrEtw93c7RpxijEYh53MMLvG0YJYsQTxgbgBuWv8AqP8AgTf+hGsay0TV7LVLm6TUtPkW5n3ytJp7mZo9xKx+Z52MKDgfLgdcZJydQexBe67dyeLdOs9OdRYpdNb3kmAfMkMMjiMHtt2gsR3IHrRe67dyeLdOs9OdRYpdNb3kmAfMkMMjiMHtt2gsR3IHrTj4I02O7sZrOa+gW1ujcmP7fcMrkq+cAyYXLPkkDnkHgmg+CNNju7GazmvoFtbo3Jj+33Dq5KvnAMmFyz5JA55B4JoXS4Prbt/n/wAAp2XiJdR12R59XurK3jvGtYbaK0BhcoxXEszRsAzsOFDKcFRyTk9hXPf8IxMsstvHfoulS3f2trb7P+9D7xIQJN2ApcZxtJ5IBHGOhoWyB7sKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKRvun6UtI33T9KAOR8Rf8inbf9fR/9nrnNI/5Ddj/ANfEf/oQro/EX/Ip23/X0f8A2euc0j/kN2P/AF8R/wDoQr2ML/AfzPExf+8r5HqVUbP/AI8Lf/rkv8qvVRs/+PC3/wCuS/yrxz2zC8YuEGjs3QX5zj/r3mqJLmBFwzHPspNP8aY8vSN3K/bzn/wHmqpHpdpcKZZVO5j2cj+Roq7R9P1ZjC3NJef6Isa//q7X/sIWf/pRHXUVy2vn5bUD/n/tP/SiOupq/wDl2vV/oNfxH6L9TltZ/wCQtN/wH/0EVlXzTrYTmziSacISkTnAc+hPvW9f6ddXmpzvbRb1BUE7gOdo9TUH9h6j/wA+/wD4+v8AjXownD2aV+h5dSnP2jai9zy6Lwrqd9qV7NFpsegQT2bQtClwJFlc5wcLwB0yMfnk1bsdG1q9vdHTUNOh0+HSY2XzlmVzN8oXgDp0zzXo39h6j/z7/wDj6/40f2HqP/Pv/wCPr/jUqNJfa/FFuVZ/Z/B+h5dZaB4gis9L06bT4xBp+pLMZ1nUmRNxJYL2Az9eRxWpZeHLxrDxLbzIttJqNzI0MhYHcp6E4yQOenua73+w9R/59/8Ax9f8aP7D1H/n3/8AH1/xp2pWs5fj6L9Acqzd+X8H6nm0+j65qvhJtIn0uGxe1hRYpBOrC4KkcYH3QcZ574rW8M6fPDdXF3f6Q2n3DRpHve+a5aUDr1Y4AwMCuz/sPUf+ff8A8fX/ABo/sPUf+ff/AMfX/GmnTT5ub8iZe1ceXl/Mz6K0P7D1H/n3/wDH1/xo/sPUf+ff/wAfX/GtPaQ7oy9lU/lf3GfRWh/Yeo/8+/8A4+v+NH9h6j/z7/8Aj6/40e0h3Qeyqfyv7jPorQ/sPUf+ff8A8fX/ABo/sPUf+ff/AMfX/Gj2kO6D2VT+V/cZ9FaH9h6j/wA+/wD4+v8AjR/Yeo/8+/8A4+v+NHtId0Hsqn8r+4z6K0P7D1H/AJ9//H1/xo/sPUf+ff8A8fX/ABo9pDug9lU/lf3GfRWh/Yeo/wDPv/4+v+NH9h6j/wA+/wD4+v8AjR7SHdB7Kp/K/uM+itD+w9R/59//AB9f8aP7D1H/AJ9//H1/xo9pDug9lU/lf3GfRWh/Yeo/8+//AI+v+NH9h6j/AM+//j6/40e0h3Qeyqfyv7jPrqdG/wCQTD/wL/0I1jf2HqP/AD7/APj6/wCNbeko0emRo4wylgR77jXNiZxlDRnXhISjNtroT3P+rT/rrH/6GKu1Suf9Wn/XWP8A9DFXa4D0gooooAoC68i6ul8stmQHII/uLT/7Q/6Yt+YqrL/x/XP++P8A0BaSgC3/AGh/0xb8xR/aH/TFvzFVKKALf9of9MW/MUf2h/0xb8xVSigC3/aH/TFvzFH9of8ATFvzFVKKALf9of8ATFvzFH9of9MW/MVUooAt/wBof9MW/MUf2h/0xb8xVSigC3/aH/TFvzFH9of9MW/MVUooAt/2h/0xb8xR/aH/AExb8xVSigC3/aH/AExb8xR/aH/TFvzFVKKALf8AaH/TFvzFH9of9MW/MVUooAnhvtkePKY/MT1Hqak/tD/pi35iqUf3fxP86rJq2nS6g1hFqFq94md1usymRceq5zQBrf2h/wBMW/MUf2h/0xb8xWX/AGlYjUfsBvbf7YRuFt5q+ZjGc7c56Uk+qafbXsVnc31tFdTY8uCSZVd8nAwpOTyKANX+0P8Api35ij+0P+mLfmKyp9U0+2vYrO5vraK6mx5cEkyq75OBhScnkVaoAt/2h/0xb8xR/aH/AExb8xVSigC3/aH/AExb8xR/aH/TFvzFVKKALf8AaH/TFvzFH9of9MW/MVUooAt/2h/0xb8xR/aH/TFvzFVKKALf9of9MW/MUf2h/wBMW/MVUooAt/2h/wBMW/MUf2h/0xb8xVSigC3/AGh/0xb8xR/aH/TFvzFVKKALf9of9MW/MUf2h/0xb8xVSigC3/aH/TFvzFH9of8ATFvzFVKKALf9of8ATFvzFH9of9MW/MVUooAt/wBof9MW/MUf2h/0xb8xVSigC3/aH/TFvzFH9of9MW/MVUooAt/2h/0xb8xR/aH/AExb8xVSigC3/aH/AExb8xR/aH/TFvzFVKKALf8AaH/TFvzFH9of9MW/MVUooAt/2h/0xb8xR/aH/TFvzFVKKALf9of9MW/MUf2h/wBMW/MVUooAt/2h/wBMW/MUf2h/0xb8xVSigC3/AGh/0xb8xSHUMqf3LdPUVVoPQ0AY/iL/AJFO2/6+j/7PXOaR/wAhux/6+I//AEIV0fiL/kU7b/r6P/s9c5pH/Ibsf+viP/0IV7GF/gP5niYv/eV8j1KqNn/x4W//AFyX+VXqo2f/AB4W/wD1yX+VeOe2YPjJdy6OvrqB6f8AXvNUCHy1Ckk/hVjxgcf2Mf8AqIH/ANJ5qSLHljIp1JKPLft+rOdRvKXr+iIddOY7XH/QQtP/AEojrqq4zW7yFpbOCNtzHULTOBwP9IjPJrs6r/l2vV/oXH+I/RfqMs/+Pi7/AOug/wDQFq3VSz/4+Lv/AK6D/wBAWjVf+QNe/wDXvJ/6Cazk7Js2iruxborgtEsrKLwXJNB4WGmTHRzm+8q3XzsxDPMbl+evIHvzU7eJrm1jsNL0393JDpsM8sx024vB8wwqbYcbfuk7ifoDzino2u3/AAf8iU7pP+un+Z21FckPF15BZ3E2oWIt5DpqXdtbsjK5kJKNGc4P3ymOAcOKi17xVf6LvIubG4ktIo3urSCxnlbJwW3SIxWHIzt3g9M59F1sP+v6+87KiuQludVj8R+IWluraexg09JVtJLdiCCsuB/rMdvmOPmGBxip7PUr+8ktdM0IWFiINPhuJmkt2dE8wEJGkauuB8rc7uOBg54P6/P/ACD+vy/zOoorkovEer30umWlpHZQXVw91DdPKryJG8DBSygFSwJ7EjqOeOdjw5qc2raOJ7tY1uY5ZYJvKzsLxuUJXPIB25xzjNAGrRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVQs/8Aj3P/AF0f/wBDNX6oWf8Ax7n/AK6P/wChmgB1z/q0/wCusf8A6GKu1Suf9Wn/AF1j/wDQxV2gAooooAyZv+Py5/3x/wCgLXnXhSO2juNHkh04abNHbSzTXBVFN+mMEDYTuwSrHfgjAwOSR6LL/wAftz/vj/0BaoLotgltZwJBtjsnD2+HYGM8jrnPQkEHgg4NIDIs9Z1ea2069l+w/Z9U4giSN90BZGdCzbsPwuCAF68VWHjOURpO1unk/YS7jBDfatpbyhk+in3zityz8P6bp90Li1gdWUsURp3aOLcctsQsVTOT90DrilPh/SzGY/sa7TdfbCNx/wBdnO7r+nT2pgUIdV1NNfjs9Ra3tYm2qgNrIRcnZklJd21Tu3fIQWwpPfNdBWf/AGHYHU/t5SVpg/mANcSGMPjbuEZbYDjvjNaFHQAooooAKKKKACiiigAooooAKKKKACiiigAooooAbH938T/Oue1dnivtPnkmtZrFtQRYYII9kgkOV3b9xD4JYkAKcA5PBDdDH938T/OqsOj6ZbXz3tvp1pFdyEl544FWRs9csBk5o6ph0aOc/dt4cPK/bf7Z5wfm837T/wDEf+O+1RaZeahY/bb9jZsr6s1vcQtG3nvmXYnz7sDClcLtOQOo3cdWNNsRqBvxZW4vCNpufKXzCMYxuxnpSHTLA6iNQNjbG9AwLkwr5gGMY3Yz04oWn9en+X9WB6/16/5nK6ZeahY/bb9jZsr6s1vcQtG3nvmXYnz7sDClcLtOQOo3cdpVU6ZYHURqBsbY3oGBcmFfMAxjG7GenFWqOlg63CiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACg9DRQehoAx/EX/ACKdt/19H/2euc0j/kN2P/XxH/6EK6PxF/yKdt/19H/2euc0j/kN2P8A18R/+hCvYwv8B/M8TF/7yvkepVRs/wDjwt/+uS/yq9VGz/48Lf8A65L/ACrxz2zC8Yf8wb/sIf8AtvNTYxlBT/F3XRv+wgf/AEnmpIWAiGamta0fT9WYw+KXr+iMjUrR7V7MZ3L9vtCx9W+0R5Jruq4zWn/eWYBOP7QtP/SiOuzrdpqmr93+gqbvUl8v1GWf/Hxd/wDXQf8AoC1PcQrc20sDkhZUKMR1wRioLP8A4+Lv/roP/QFq3WLV1Y32MSz8Nva2BsZNa1G5tPsxthDMsACrt2ggrEGyB6n65pZfDMXnW89jf3mn3ENutsZrcxkyxr0Dh0ZTg5IOARk+tbVFPfUPIybzw5Z38umS3bzSPprBo2ZwTJ0+/kc8qrduVFVdS8IW2pNfh7+/gt9QIa5toXQI7hQobJUsDhV4DYOOQec9BRQBk3Ph+G41G5uxdXMX2q1+yzxIU2SKAwB5UkEbz0I9waZL4ai8y3msb+80+5ht1tjPbmMmWNegZXRlODyDjIyecHFbNFH9f194f1/X3GXa+HrKzmsZIDKDZLKEy2fMMhBdmJGSxIzn1Jqxpelw6TayQWzSMsk8k5MhBO53LEcAcZPFXKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAqhZ/8AHuf+uj/+hmr9ULP/AI9z/wBdH/8AQzQA65/1af8AXWP/ANDFXapXP+rT/rrH/wChirtABRRRQBRW1We6umZ3UiQDCkf3Fp/9nx/89ZfzH+FSW/8Ar7r/AK6j/wBAWsiw8YadqPhy51mCO4WG1LCWGRAsq456ZxyCCDnkEUAaf9nx/wDPWX8x/hR/Z8f/AD1l/Mf4VbooAqf2fH/z1l/Mf4Uf2fH/AM9ZfzH+FO1C/i021WedXZWljiAQAnLuqDr2ywz7VZoAqf2fH/z1l/Mf4Uf2fH/z1l/Mf4VbooAqf2fH/wA9ZfzH+FH9nx/89ZfzH+FO1G/i0zTp725DmOFNxCDLN7Aep6VXvdYGnaC+p3lncx7FBa2+QygkgAcNtzkj+LHvQBN/Z8f/AD1l/Mf4Uf2fH/z1l/Mf4VBpetLqVzc2slndWN1a7TJBchM7WB2sCjMpBwR1zwcitKgCp/Z8f/PWX8x/hR/Z8f8Az1l/Mf4VbqtaX8V5PdxRK4a0m8l9wGC2xW49sMKAG/2fH/z1l/Mf4Uf2fH/z1l/Mf4VbooAqf2fH/wA9ZfzH+FH9nx/89ZfzH+FW6KAKn9nx/wDPWX8x/hR/Z8f/AD1l/Mf4VbooAoQWKPFkySD5mHBHqfapP7Pj/wCesv5j/CpbX/Uf8Cb/ANCNUBrgbxONHFncL+4eX7S67Y2KlMqueW/1gyenbJOcHWwFr+z4/wDnrL+Y/wAKP7Pj/wCesv5j/CrdFAFT+z4/+esv5j/Cj+z4/wDnrL+Y/wAKt0UAVP7Pj/56y/mP8KP7Pj/56y/mP8Kt0UAVP7Pj/wCesv5j/Cj+z4/+esv5j/CrdFAFT+z4/wDnrL+Y/wAKP7Pj/wCesv5j/CrdFAFT+z4/+esv5j/Cj+z4/wDnrL+Y/wAKt0UAVP7Pj/56y/mP8KP7Pj/56y/mP8Kt0UAVP7Pj/wCesv5j/Cj+z4/+esv5j/CrdFAFT+z4/wDnrL+Y/wAKP7Pj/wCesv5j/CrdFAFT+z4/+esv5j/Cj+z4/wDnrL+Y/wAKt0UAVP7Pj/56y/mP8KP7Pj/56y/mP8Kt0UAVP7Pj/wCesv5j/Cj+z4/+esv5j/CrdFAFT+z4/wDnrL+Y/wAKP7Pj/wCesv5j/CrdFAFT+z4/+esv5j/Cj+z4/wDnrL+Y/wAKt0UAVP7Pj/56y/mP8KP7Pj/56y/mP8Kt0UAVP7Pj/wCesv5j/Cj+z4/+esv5j/CrdFAFT+z4/wDnrL+Y/wAKP7Pj/wCesv5j/CrdFAFT+z4/+esv5j/Cj+z4/wDnrL+Y/wAKt0UAVP7Pj/56y/mP8KP7Pj/56y/mP8Kt0UAVP7Pj/wCesv5j/Cj+z4/+esv5j/CrdFAFT+z4/wDnrL+Y/wAKRtPjCn95J09R/hVykb7p+lAHI+Iv+RTtv+vo/wDs9c5pH/Ibsf8Ar4j/APQhXR+Iv+RTtv8Ar6P/ALPXOaR/yG7H/r4j/wDQhXsYX+A/meJi/wDeV8j1KqNn/wAeFv8A9cl/lV6qNn/x4W//AFyX+VeOe2YXjD/mDf8AYQP/AKTzVDEf3Y71J403GPR9hwf7Q6/9sJqjtZVWHaULYJGT3qK/2fT9WYx+KXr+iM3W5At5pyE8tqNrj3/fpXd151qT/a9SsJk+5HqFr/6PQV6LXVU+Ber/AEFTVpteS/UZZ/8AHxd/9dB/6AtT3Ey21tLO4JWJC7AdcAZqCz/4+Lv/AK6D/wBAWjVf+QNe/wDXvJ/6Ca5pO0WzpirySMmLxfF9ltry/wBJ1GwsbnZsu5xE0Y3/AHd3lyMyg5HLAAZ5IrcSZ2upYmt5URApWZiu2TPUDB3cd8gdeM1xJ1nTdW+HcOi6XdwajqF1p0dsLa2kErRsyBSzhT8iqTkk4AxjqQCupwW7SeI7e+1GGyi3WStPcLmI4UfLIMjKNjaQSODVy0b9SI6pHdVUv9Ri0/7N5yu32m4W3TYAcM2cE89OK8/M+iyr4ebUbKz0/TBcXayJA+bOTC43g4AMTHnkAZPOeptWgg8uI6WANIPiGL7AE/1e3Z85j/2PM34xx1xxS+1b0/Nf5h0b9f1PQaK8wvry2uPEsN5brplpfprMcLxRws98U8zyy8km4bEZeilSuCoB5GNextnPiaPw40TC0027k1EEr8rRt80S/hJI+P8ArlQtUn/XT9GN6Nr+uv6o7iiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKoWf/Huf+uj/APoZq/VCz/49z/10f/0M0AOuf9Wn/XWP/wBDFXapXP8Aq0/66x/+hirtABRRRQBXg/113/11H/oC1wE+i6haeB7e5srKdriey+x3toIzvZSTsfbjO5Scf7rH0Fd5HcRRXN0sjhT5oOD/ALi1L9st/wDnsv50dbh0scfrjzQR+JrEWF9NNqDLJbGC1eRHXyUQ/OBtUgo3BIPTGcik1vw+l7J4gvHsJZLwTQtZzqrCRMJHlomHKnIIJXrjB6V2P2y3/wCey/nR9st/+ey/nQBxWs6ELKHVbPSNLmjsnawlWCxQx7nE/wC8ZCuMNtVckcjAJPeqt/psk1pqreFNMmsdNeOBZrc2Lwi4IkzKVgOxm/dnBxgv0BOK7/7Zb/8APZfzo+2W/wDz2X86AOFs9BW4t7aLy/OsZNUR3tItJmsYYVELhv3UhJ2scZ/hJJHc10XieykXwq1rptqxgjaISWtqNrNbq6+ZGgGOqAjaOvQda2Ptlv8A89l/Oj7Zb/8APZfzoA4a80Wyv9M1ddK0Ro9MaKHyrWSwaENOGO50hZQQdpUFgoz74re8V6ei+B7uy0+0ZY1RFS3tIjkKHUkKqDPTPStv7Zb/APPZfzo+2W//AD2X86HtYOtzhyjQw6vJpel311plwsCSDUreeSR5N2HfZJ++lRUK5Q8HBAx81Q6Xo8t1apaXNgwsf7bDrFHYyWkXkm25IiYkqhYkEE4JJBHJFd99st/+ey/nR9st/wDnsv50LT+vO4f1+FjibvSvsUb2jaXLJoMOsb5bKG3Z1MJhBG2IA7kExyVUEZyccGqz6bbPpd2v9m3VpZnVfNtreTSZLmFk8hQN9uoDbOuBxtYDOMYrv/tlv/z2X86Ptlv/AM9l/Oj+vy/yD+vz/wAyroJc+H7HzbFdPbyFzar0h4+6PTHp26VoVD9st/8Ansv50fbLf/nsv5027u4LRE1FQ/bLf/nsv50fbLf/AJ7L+dICaioftlv/AM9l/Oj7Zb/89l/OgAtf9R/wJv8A0I1SuLSd/FNheKmYIbS4jd8jhmaIqMdeQjflVi3uoFhw0qg7mPX3NS/bLf8A57L+dHW4E1FQ/bLf/nsv50fbLf8A57L+dAE1FQ/bLf8A57L+dH2y3/57L+dAE1FQ/bLf/nsv50fbLf8A57L+dAE1FQ/bLf8A57L+dH2y3/57L+dAE1FQ/bLf/nsv50fbLf8A57L+dAE1FQ/bLf8A57L+dH2y3/57L+dAE1FQ/bLf/nsv50fbLf8A57L+dAE1FQ/bLf8A57L+dH2y3/57L+dAE1FQ/bLf/nsv50fbLf8A57L+dAE1FQ/bLf8A57L+dH2y3/57L+dAE1FQ/bLf/nsv50fbLf8A57L+dAE1FQ/bLf8A57L+dH2y3/57L+dAE1FQ/bLf/nsv50fbLf8A57L+dAE1FQ/bLf8A57L+dH2y3/57L+dAE1FQ/bLf/nsv50fbLf8A57L+dAE1FQ/bLf8A57L+dH2y3/57L+dAE1FQ/bLf/nsv50fbLf8A57L+dAE1FQ/bLf8A57L+dH2y3/57L+dAE1FQ/bLf/nsv50fbLf8A57L+dAE1FQ/bLf8A57L+dH2y3/57L+dAE1I33T9Ki+2W/wDz2X86Rry3Kn96vT1oA5/VbKS+8M28cRUMLhm+Y+7/AONY+m6Fcw6raSM8JVJkY4J7MPaul/5gcP8A11b/ANCaobb/AI+ov98fzreGInCPKtjnnhqdSfPLc6CqNn/x4W//AFyX+VXqo2f/AB4W/wD1yX+VYHQYHjNikejsMZGod/8Ar3mqnHfBlyiMw9cVZ8cgm20kAZP9odM4/wCWE1U4bc+SvJXjpxWWI+z6fqzCPxS9f0RDqEKxfYljGFW/tP8A0ojruq4vWmIms1CfL9vtOR2/0iOu0rqlLmgn5v8AQVOPLN+i/UZZ/wDHxd/9dB/6AtW6qWf/AB8Xf/XQf+gLVusjoCiiigCpcadFc6lZ3rs4ktN/lgEbTvGDnj2q3RRQAVQ07SU0+4urlrie6ubpgZJpyu7av3UAUABRk9u5zmr9FABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFULP/j3P/XR/wD0M1fqhZ/8e5/66P8A+hmgB1z/AKtP+usf/oYq7VK5/wBWn/XWP/0MVdoAKKKKAMmX/j+uf98f+gLSUXLiO5u3b7qsCf8AvhawNLXVdXs7fVZdUktFuAJorOGGMxrGeVVyylmJHUhl9gKAN+ishPEdvJeiFba5EDzG3jvCF8p5RnKj5t3UEZK4yMZ6VV8Napeag8Iu5vM3aXa3B+UDMjmTceB32jjpxQtQOhormpr67PiuS0u9Ul01SyfYYhChiu1wCwLspJfJI2qykAA4PWp5PEH2HTXuhZ6jqESTyxvIvkBkKyFNuCy55GFwCTxnmgDeorGl8SwQ3DI9nd+VCyJc3ACeXbu+MI3zZJG5c7QwGRk1Nr1xdWOn/b7SQBbRvNuIiBiWID5xk9CB8wxjkAdDQBp0Vl6Ddz6lZNqUsmbe7bzLWIAfJF0Uk9SW+8c9M47VqUAFFFFABRRRQAUUUUAFFFFABRRRQA2P7v4n+dOpsf3fxP8AOuQs9UF3qkuoajHqnkpfNbRSxTlLaHbIUUMiuC+44yxVh82MgA4Otg6XOxorm7rS0bxPZw2dzqCFSbu5P9oTldoOFTYX24Zu2MYUitDXLfzoIm+zaldbWP7rT7v7O3I6k+YmQMdM9+nodLh1salFcu3kz+D4NQvLm7upYISo+zXk1uZJM7Qh2lCW3YXLAHOeBSXOlX9rpek2rjVNSWHcbs2t8Y5HYrx87SoxUEnA3HgCh6AdTRXNXD6bdeFk1GF9SeOCNlijW/nikaTdt8tyHBLb/l+Yn61I2mwaf4ds49b1O+PkLh3jvJVaaVuwKnzGOchVyc56E4oA6Giud8lR4bspfEV5e25iXBSO5eORyThFYxkM74wMA8kngnFHkqPDdlL4ivL23MS4KR3LxyOScIrGMhnfGBgHkk8E4oegHRUVzhtruTw7Yf2hb6rdToCGitLzyJAD90yN5ibiAADyeSTj0pG4uJ7DR2vJ7+504xSLcy6eJvN84EBQ3lgSYGHBOB8wG4DpR1A7CiuS0+4hv/DEdzrd7fwxW9xNCm2d4ZZcSFEDeWQzPgY2gnJzwTinzW2qS6RpAubfU7kJvNxHa3YhmxjCb28xMkAjOD1FAHVUVyU93HdW+lyQ/wBqtopSVZTbPO9wswICrIUJlwMSA4JGQM8YqhBrN5fWunac66lMJJLreLdxHcSpDKFVS5ZdvB+Y7gTtxnJwQDvKKo6NPbz6XGbQXCohZGS5dnkRlYhlZmJJIIIzkj0JGKvUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFB6Gig9DQAz/mBw/wDXVv8A0Jqhtv8Aj6i/3x/Opv8AmBw/9dW/9Caobb/j6i/3x/OgDoKo2f8Ax4W//XJf5VeqjZ/8eFv/ANcl/lQBz3jdPMh0hf8AqIdv+uE1ZyKQg+Zm9ya0/GYymj/9hA/+k81VY1GwcE/hWWI+z6fqzCPxS9f0RHrHDWfvqFp/6UR12dcZrBJe0JGP+Jhaf+lEddnW0f4S9X+hUf4j9F+oyz/4+Lv/AK6D/wBAWk1fUo9H0W81GdS0drC0rKvVsDOKWz/4+Lv/AK6D/wBAWl1PT4dW0q60+63eTdRNE+04IBGOPepexsrX1M7TbDWT9nvNR1qQyt881nFBELcAj7gO3zOPXfyRnGOKkh8QK+qw2V1p19ZfaC4t5rhU2TFRkgbWLKcAkBgvAP0qPT08SQrFaXy6dJFH8rX0cziSRR0Pk7MBjxn5yOp9qwdM8F3sGpaZcXlvpqvaGQXV6kjyXN7ujZd7OyAjkg7SWHPBG0At+RK213NS58UPdaLfXWl2V6sC200lvqLJH5TsinBA3FsZHBKgH6EZl0zxXbzxouoQXVmRZfbBPcoqpNGoG91wSRjIJDBTyOKrWuja5B4Zl8PuLBrWOzktYLoTOHcbSse6PZheMZIZunA54XVvCcurtaxTTRpAulz2MpUksGkCAMoxggbD1I7UdXb+t/8AgFdr/wBbf8E0dP8AEMd9fR2stheWLzxGa3N0qAToMZI2sSCNynawU89ODjXrmvDvh9tMulkn0LQbGRIdhudOTEkrcc48tdgOCcZbqOeOelpu3QlX6hRRRSGFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABVCz/wCPc/8AXR//AEM1fqhZ/wDHuf8Aro//AKGaAHXP+rT/AK6x/wDoYq7VK5/1af8AXWP/ANDFXaACiiigDJmAN5cgjILjP/fC1iWej6jpqra2OqRjTkb93FLa75Y0/uLJvAwOgypIHrW+1vLLeXLR7MeYB8xP9xaX7FcesX/fR/woA5Wx8IQafrDXcUemyRNM8waXTwblGbJwJgw4DHjKk44z3q9o2h/2S0Z+0edssoLT7m3Pl7/m6nrv6dsda3PsVx6xf99H/Cj7FcesX/fR/wAKForAc/qejX2qyNBcahD/AGc00cvki1PmjaQ2BJvwPmXOducHr3qvL4d1BZbc2ep26Rw3E9z5U9m0is8jswJxIv3QxA9+euMdR9iuPWL/AL6P+FH2K49Yv++j/hQByj+D431t9RdNLnad0kn+1aaJXDgAExvvBQEAYB3YPPtWtqmmnVFghkmC2qyiSeLZnzgvIXOeBkAng5xitX7FcesX/fR/wo+xXHrF/wB9H/CgDL03TTpjXKRzbrWWUyww7f8AU7uWAOeQWyQMDGSPTF6pvsVx6xf99H/Cj7FcesX/AH0f8KAIaKm+xXHrF/30f8KPsVx6xf8AfR/woAhoqb7FcesX/fR/wo+xXHrF/wB9H/CgCGipvsVx6xf99H/Cj7FcesX/AH0f8KAIaKm+xXHrF/30f8KPsVx6xf8AfR/woAhoqb7FcesX/fR/wo+xXHrF/wB9H/CgCvH938T/ADrKPh2A3buLq6FtJOLh7IMvlNJkNu+7uHzANgNgntya2orSdo8qY8ZI5J9fpT/sVx6xf99H/CgChDYxw6hc3is7S3CorbjwoXOAPzJ/Gqj6LNtUQa1qUBDyMWV43Lb23bfnRhhegxjA4ra+xXHrF/30f8KPsVx6xf8AfR/woAyF0O0j0+1so/MWG2mWYDfkuwbdlieTluT71Lf2E140bQald2LICCbfyyHBx1Dow7cHr1rS+xXHrF/30f8ACj7FcesX/fR/woAx49Bs4tOtbGPzFhtplnHz5Mjht2WJ65b5j70alo51C8trmO/urOW2DhDAIz97GTh0YZwMZGDgn1rY+xXHrF/30f8ACj7FcesX/fR/woAwrjQZLhrSVtZv1uLQOFnCQFm3YySDEVyAMAgA4J9TRcaDJcNaStrN+txaBws4SAs27GSQYiuQBgEAHBPqa3fsVx6xf99H/Cj7FcesX/fR/wAKAMaXSbqSGFV1zUY5IwwaVBBmUE5+YGMrxjAIA/Gk/sQQ6dDZadqF5YRxbsmExs0hJySxkRjnJJyMcmtr7FcesX/fR/wo+xXHrF/30f8ACgDAl8Nw4shY3t1YfYVdYvJ8t87sZJ8xHy3H3uvJ9TU8uk3MkECLrmoRyRBg0yCHdKCc/MDHt4xwQoP51sfYrj1i/wC+j/hR9iuPWL/vo/4UAYg0IQabDZadqF5YRxbtzQ+WzSljkljIjckknIxyaJPD1r9ntI7Kaexez3CGaBgzgN94HeGDZ6nIPIB61t/Yrj1i/wC+j/hR9iuPWL/vo/4UAUbCxi0+0EEJdhuLs7nLOzHLMfckk8cemBVipvsVx6xf99H/AAo+xXHrF/30f8KAIaKm+xXHrF/30f8ACj7FcesX/fR/woAhoqb7FcesX/fR/wAKPsVx6xf99H/CgCGipvsVx6xf99H/AAo+xXHrF/30f8KAIaKm+xXHrF/30f8ACj7FcesX/fR/woAhoqb7FcesX/fR/wAKPsVx6xf99H/CgCGipvsVx6xf99H/AAo+xXHrF/30f8KAIaKm+xXHrF/30f8ACj7FcesX/fR/woAhoqb7FcesX/fR/wAKPsVx6xf99H/CgCGipvsVx6xf99H/AAo+xXHrF/30f8KAIaKm+xXHrF/30f8ACj7FcesX/fR/woAhoqb7FcesX/fR/wAKPsVx6xf99H/CgCGipvsVx6xf99H/AAo+xXHrF/30f8KAIaD0NTfYrj1i/wC+j/hQbK4CnmP8z/hQBW/5gcP/AF1b/wBCaobb/j6i/wB8fzqb/mBw/wDXVv8A0Jqhtv8Aj6i/3x/OgDoKo2f/AB4W/wD1yX+VXqo2f/Hhb/8AXJf5UAYPjIZXR/8AsIH/ANJ5qrxf6sbV4+tWfGI3DRgOP+Jh/wC281Vg7LwoGPrWeI+z6fqzCPxS9f0RFrJH+iZ4J1C0x/4ER12NcdrYw1p6nULT/wBKI67Gtl/DXq/0Kj/Efov1GWf/AB8Xf/XQf+gLVuqln/x8Xf8A10H/AKAtW6k1Cio4LiG6j8y2mjmTcV3RsGGQcEZHcEEH3FJcXVvaKjXU8UIkcRoZHC7mPAUZ6k9hQBLRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVQs/+Pc/9dH/APQzV+qFn/x7n/ro/wD6GaAHXP8Aq0/66x/+hirtUrn/AFaf9dY//QxV2gAooooAgt/9fdf9dR/6AtQT63pVtqCWFzqdnDeSEBLeS4RZGz0wpOTmpE35vvK/1m/5c+vlrisTweNP/wCENhZjCXYZ1Ay43G5/5aeZn+Ld6+3bFCA6WoYLy2usfZriGbMayjy3DZRs7W47HBwe+DXH6XrHiDUtWa4hgvHtBfy280Z+zC3iiQsuQd3nb8gHkY5PGMGpPBH+st/+wDYfzmoWquD0v/XWx01xrGmWl9FZXeo2kF3NjyoJZ1WSTJwMKTk5PHFT29zBdxmS1mjmQMULRuGAYHBGR3BGCK5jUt3h/U73VYxb32n31xCl7bsB50UvyRqUPRhjadhwR1B5xUU17qeoWccVnrFzbajNfXUECQxQlSiTMu9w0bfKigdCMkgZyQaFqgf9fj/kdjUb3EMU0UMk0aSzZ8tGYBnwMnA74FcZLqviKbXr2301L24/s6eGDy1FqIpVKqzPKWIkBIY42AAYHB5FdF4jtDc6O80TbLmzP2q3k/uyICRn2Iyp9mNJtJXBXbsaK3EL3EkCTRtNEAZIwwLID0JHUZwfyqSsnw3beVo8dzKQ9zf4urhwPvO4BwPYDCj2UVrVTVnZiTvqgooopDCiiigAooooAKKKKACiiigCG1/1H/Am/wDQjVV9dsE1b+zQ80t0CodYbaSRYi3QO6qVTjn5iOOelWrX/Uf8Cb/0I1wmn3l1pt7c266xjUzqz50gxxnzonmz5mMeYf3bbg4YKAoBHByLV2B6K51MninTYryO1mF/HJJMIEL6bcKjOTgAOU2/jnHfpVvUdVttLEf2oXDGTO1be1lnbjqcRqxA5HJ45qiVGo+MvnyYtKhDKMcedLkZ+qoP/IhqHU/EOjzWyA+Jf7HzLIgmzHHvaNtrrmZCDgntz6cUug+pem8Q2ENtb3C/ariG5TfG9pZTXAI9/LRsfQ4qL/hKdKOnWt6klzJDdsywCOymeRyuc/uwhYAYPJGKyYbqdfh/aQxRNZ3F44s4CiMpAdyolw2WBKZf5iT6k1Z1uLRtNTS4rjXP7A+yoy2jh4UBUKFK5lVl6Ee9N6XEaU+v2dvBBNJDqBWdSyCPTbh2AH95VQlT7MBUa+KdLfT7a9ie6liut3lLFZTPIwU4Y+WELAA9yMcj1FZS6rqN34Et2uC0V9qEgtIpljKMytIVWbb/AAkx/PjtVrWdasvDFtYaXbz2Ni0sZSB72YRwwxoACTkjcRkYUEE+oGSB6XAvzeIdNis7a5Ek08d2u+EW1tJMzLxk7UUsAMjJI4JAPNE3iHTYrO2uRJNPHdrvhFtbSTMy8ZO1FLADIySOCQDzWI/iHS9B0XTbPTtX0+Q3QkMd/dXKCE4b95ISCAx3N9xSMnIyACQP4h0vQdF02z07V9PkN0JDHf3VyghOG/eSEggMdzfcUjJyMgAkD62A3JfEGnxWVtdq888V0u6I21rLOzD12opI6jqBzxRP4h02CztrkztKl2MwLbwvM8gxkkIgLYHfjjvWN9u0Sw8P2FtF4ujsYnDvHfRzQYuSD8/zOrIfmbJA5rPikgtNH0bVZtVsdAuoYpoIhfIfLuIiwJPlvIr7jsR/vE8nOc0Ajp5fEWmx2dtcrLLPHdAmIWttJOzAdTtRSwweDkcHg80s/iLTYLO0uvNlmivBmD7PbSTM/GfuopYYHXI4rl9O1pvDnh2ztr+7trW91Ke5uI5dSYW6RIZS29lJHOHUiMYJJxkYJFqY+H7bStIZfFiWSxCVoL+OaDbOxOJDudWTOWPA55PpQ9EBv3Gv2Fra288xuB9pz5UItJWmbHX90F38d/l449aWXxBpkOlw6i1zutp2CwmNGd5GP8KooLFuDlQMjBz0NcuL9m0zSde1TW7LR9RWOeFJL+MCO6hLDDeUXQhiEjbg8ZIxyMZtvb3WnDRbvVtUk0m2le+drySJIzE0sodMiRSsZZQfvDjJXgmjqB6Na3KXlqk8SyqjjIE0TRMPqrAMPxFS1l+HLu5vdFSW7k84+ZIsc+zZ58YYhJMDj5lAORgHOQACK1KbAKKKKQBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFI33T9KWkb7p+lAGN/zA4f+urf+hNUNt/x9Rf74/nU3/MDh/wCurf8AoTVDbf8AH1F/vj+dAHQVRs/+PC3/AOuS/wAqvVRs/wDjwt/+uS/yoAwfGRwuj46/bz/6TzVStg5jJLZ571d8ZDK6OACf+JgeAcf8u81VbRYkhwWC/MThvlI/Corxb5fT9WYx+KXr+iGa2PmtPX+0LT/0ojrsa4zWDzaA/wDQQtP/AEojrs60j/CXq/0HH+I/RfqMs/8Aj4u/+ug/9AWrdVLP/j4u/wDroP8A0Balu7WO9tXt5mlVHxkwzPE3XPDIQw/A0jU4fw/dXksNjo9ldvYi5n1C6kuYkR3KpckBU3AqCS4JJB4HvkaC6xqVvN9hluzO9vrMVo1yY1DTRPGHwwAxuG7BKgdB0rcuPD2mXNlbWr2xjjtP+PdoZHieHjHyuhDDI4ODz3p0WhadDawwR252QT/aELSMzGXn52YnLHnqxOaFo1/XVfpoD1v8/wBf1OYfVdZhjm1R9UYwwa19jFoII9jwmYR/Mcbtw3ZBBHQZB5NaOlX1/wD8JNNa6zeXUE7tK1vZtBH9nliDYVo5AN24DBZWbPJ+XGDWu+h6dJavbPb5hkuftTLvbmXeH3Zz/eAOOlNtNB0+xvmu4I5TMd20y3Ekix7jltisxCZP90CiOiV/60X6g9b/ANdWaNFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFULP/j3P/XR/wD0M1fqhZ/8e5/66P8A+hmgB1z/AKtP+usf/oYq7VK5/wBWn/XWP/0MVdoAKKKKAILf/X3X/XUf+gLUEuh6TNqS6hNpdlJeqQVuXt0MgI6ENjPFV5h/p1zyR846Ej+Babj/AGm/76NAFs6NpZ1T+0jptob/AP5+vIXzemPv4z0469Kngs7a1x9mt4YcRrEPLQLhFztXjsMnA7ZNZuP9pv8Avo0Y/wBpv++jQBabRNKfUxqT6ZZtfAgi6NuhlBAwPnxnpx1qO78OaJfsrX2jafclSxUzWqPgsSzdR3JJPqTUOP8Aab/vo0Y/2m/76NAFmXQtInuLe4m0qykmtVVYJHt0LRBTlQpxlQO2OlXnRZEZHUMrDDKRkEelZGP9pv8Avo0Y/wBpv++jQBrIiRRrHGqoigKqqMAAdABTqx8f7Tf99GjH+03/AH0aANiisfH+03/fRox/tN/30aANiisfH+03/fRox/tN/wB9GgDYorHx/tN/30aMf7Tf99GgDYorHx/tN/30aMf7Tf8AfRoA2KKx8f7Tf99GjH+03/fRoA0rX/Uf8Cb/ANCNTVioPl6t1P8AEfWnY/2m/wC+jQBsUVj4/wBpv++jRj/ab/vo0AbFFY+P9pv++jRj/ab/AL6NAGxRWPj/AGm/76NGP9pv++jQBsUVj4/2m/76NGP9pv8Avo0AbFFY+P8Aab/vo0Y/2m/76NAGxRWPj/ab/vo0Y/2m/wC+jQBsUVj4/wBpv++jRj/ab/vo0AbFFY+P9pv++jRj/ab/AL6NAGxRWPj/AGm/76NGP9pv++jQBsUVj4/2m/76NGP9pv8Avo0AbFFY+P8Aab/vo0Y/2m/76NAGxRWPj/ab/vo0Y/2m/wC+jQBsUVj4/wBpv++jRj/ab/vo0AbFFY+P9pv++jRj/ab/AL6NAGxRWPj/AGm/76NGP9pv++jQBsUVj4/2m/76NGP9pv8Avo0AbFFY+P8Aab/vo0Y/2m/76NAGxRWPj/ab/vo0Y/2m/wC+jQBsUVj4/wBpv++jRj/ab/vo0AbFFY+P9pv++jRj/ab/AL6NAGxSN90/SsjH+03/AH0aCOPvN/30aAG/8wOH/rq3/oTVDbf8fUX++P51N/zA4f8Arq3/AKE1Q23/AB9Rf74/nQB0FUbP/jwt/wDrkv8AKr1UbP8A48Lf/rkv8qAMHxkdq6OT/wA/5/8ASeaoYWxEMH8xUvjTAj0fJwP7Q/8AbeaqUCPNHuVjjOBz1rOvf3fT9WYR+KXr+iF1lNv2M9/7QtP/AEojrsa4zWAN1mdzN/xMLTG49P8ASI67Otlb2St3f6FL+I/RfqMs/wDj4u/+ug/9AWrdVLP/AI+Lv/roP/QFqS/uvsWnXN1s3+RE0m3ON20E4z+FQ2krs2Su7E9Fc7pniS+uLnTE1PTILaLVITJbSW92ZsEIH2uDGmPlzyM8jHpWvFq+mz6jJp8OoWsl7EMyWyTKZEHuucjqPzqmmnYlNNXLdFY9p4msH0G21TVLi202K4JVftFwqrkEjG5sZPGaL/xVo2m3Onw3eoW6f2hzC5mQLt2khiSfunGARnJIpDNiiqj6vpsepJp0moWqXzjK2zTKJWHXhc5PQ0R6tp02pSafFf2r3sYy9ssymRBxyVzkdR+dAFuiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKoWf/Huf+uj/wDoZq/VCz/49z/10f8A9DNADrn/AFaf9dY//QxV2qVz/q0/66x/+hirtABRRRQBkzf8ftz/AL4/9AWsZNe3+Ev7b+zY/cmXyfM/Tdj+lbMv/H7c/wC+P/QFrkorHVE0H/hHW05ym7yvtwlj8nyd2c43b923jG3r3xzR1A6GfVtOtrlLe5v7WGeR/LSKSZVZm4+UAnJPzDj3HrRcarp1ndxWt3f2sFxNjyoZZlV3ycDAJyeeOKxtQ0Wae38SFLVGmvlUQMduZNsQA57YbOM9OtLHa3tjq2pL/Zkl2uoTRyLdpJHiIBVXDhmDfKVLDaG69jmgDZg1TT7m9ls7a+tprmHPmQRzKzpg4OVByOahPiDRgJSdWsQIVDyf6SnyKcYJ54ByOfcViaTpt+sOjWFxpZtf7KYl7vzIyk2EZPkAYt85bcdwHfOTUum6DJbx+HfNsolewSTzThSY2ZOSPcnuKANuXVtOgtkuZ9QtY4JI/MSV5lCsmQNwJOCPmXn3HrSS6xpsFrHcz6jaR28i70ledQrrxyCTgjkc+4rl1tbjTda0jdphu5YRqEiQxtHvRWmTaybmC52sO44J78Vd0rRLqLUbC7urVYwr3c5j3KfsxlZSF46nG7JHGSaFqBvLqdg+oNYJe27Xirua3EqmQDGc7c5xgj86ij1vSpY7h4tTs3S1/wCPhluEIh/3ufl6Hr6VzVloN/FqXk3y6jLFHey3cUkT2wt2LbiNxwJs4baev1xRBpuo/wBmTWkml3/2KJYfs0DzW/2iFlfI8tw21lTCkeYckg5z0oW39f1/XQDpX1zSY9PS+k1SzWzkbalw1wgjY88Bs4J4P5GnXmr6fYJEby+toDMP3IlmVPN9lyeeo6etcvNpuvySafqEovPMhE8bJa/ZRcBWYFHYODEWIXDbSOoxxkVLa6TeaPLi10y4v7efTktkE0sIe3ILkrJyF2nePuZ+70PFJ3toNbm6usxjwuNaniZY/sn2p40O5gNu4gdM/pUVtqepParPe2VjbLJ5RjYX5ZWDnGCfLHzcjAGQScZFSaZDc6f4UtIXtvNurezRDbhwNzqgBXPTqMZ6VgRaNfEzrYabNp2ntNayJYzSxna6zh5HQK7Ki7f4QRkg8etu3PboT9lHSQa5pN1emzttUsprpSQYI7hGcEdflBzxUtlqVjqUbvp17b3aI21mglVwp9Dg8GububXVdYXVornTLm0uLmGS3tbh5ITFDHjj7rlsscEnb6Dnbzb8OafcRXkl3fR6nFOLdIAt4bXZtBJwvkAdCT94Drx3qVqNnRUUUUAFFFFADY/u/if51j3V5qtjqNu08lk9pc3QgS3SJhKAQcNvLYJGNxG0cZ54ydiP7v4n+dYNtZaxHrUl5dWVhclpWWO4a9fdDCTwqR+VgHGM4b5iOTjGBbh0IT4gvRrxtfMswftQhGn7G+0mPp527djb/F93GBjdmrniDW/7Le3t47i0tZbjc5uL1sRQxqVBYjIySWUAZHJ68c0P+Ee1IJJp4+x/Y5L83hvd7eeP3nmY2bcbs/Lu3dOcdqtXWm6pLf2eqCOwmvrRp40iZ3RGic8HdtYq4Crngg5YULZX/r+mHVkmp6tfaf4VbULRLbVJlhaUzRHyodoUtvxuYkYAwATkkcgcjaQ7kUnuM1iDRJx4Sv8ATQ0K3F4lwflyI0eUscDjOAW645647VtoNqKD2GKYdvmYHhzxG+paVcz6qsVvNakvJsztMRyVcZyegIPuprP/AOErvz4fW+uPsemvJqItt10pKQxHkFxvX5sEZ5AzU7eE53t9MiaeNFjTyL9VJInh3bwo4/vADtwzVPd6Jf8Aks1oLaSVdUF6iSysilcYwWCnB/A1K8/61X6fqD8v60f6/oXPDmqT6rp8s07W8wjneKO5tgRHcKP41BJwM5HUjKkg1rVl6Lp91ayX11f+Sk97OJWht2LJHhQo+YgFiQoJOB6Y4ydSmAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFB6Gig9DQAz/mBw/9dW/9Caobb/j6i/3x/Opv+YHD/wBdW/8AQmqG2/4+ov8AfH86AOgqjZ/8eFv/ANcl/lV6qNn/AMeFv/1yX+VAGB40G6PRwRn/AImHf/rhNTIFCxAAYA9Kl8X/APMG/wCwgf8A0nmqJDlaiv8AZ9P1ZjH4pev6IqaxwbT/ALCFp/6UR12dcjrYA+yY/wCghaf+lEdddWqVqS9X+g4/xH6L9Rln/wAfF3/10H/oC03WY3l0G/jiRnd7aRVVRksSpwAKdZ/8fF3/ANdB/wCgLVuokrpo2Ts7nEaVpVxoX9iXMMN5MtzZLaTCYyTvZSlQQ43EmNCRtYDAGE4GKr+GNKdP7Is9Tn1wXunyM7QSWSLbpIFYM/nCIblbcejkncM98d/RVX1uTbSxwdu2pWGjaJbvHe2UOyfz7i208z3Ebb/lQKVbYGBJLFSOAOM5pulW93p2jeGpbuxvVW11C5MyfZy8kSsJgpKRjp8w5UbefSu+opLQb1PPbXSZTeXNhrFzriyy6obkJb2UbQS/vQ8cnneUdoACg5cEbSB2Fa2h+dbeI5LWxhun05nnmlF7ZNE1rKz5/dykASKxLcDcR13YwK6yihaA9QooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACqFn/wAe5/66P/6Gav1Qs/8Aj3P/AF0f/wBDNADrn/Vp/wBdY/8A0MVdqlc/6tP+usf/AKGKu0AFFFFAGVKGN9c7UdhvHKqT/AtJtk/54y/98Gr9v/r7r/rqP/QFqegDJ2yf88Zf++DRtk/54y/98GtaigDJ2yf88Zf++DRtk/54y/8AfBrWooAxjBumWZrZjKilVcxfMoOMgH0OB+Qp+2T/AJ4y/wDfBrWooAydsn/PGX/vg0bZP+eMv/fBrWooAydsn/PGX/vg0bZP+eMv/fBrWooAydsn/PGX/vg0bZP+eMv/AHwa1qKAMnbJ/wA8Zf8Avg0bZP8AnjL/AN8GtaigDJ2yf88Zf++DRtk/54y/98GtaigDJ2yf88Zf++DRtk/54y/98GtaigDHjV9nEUh5PRD607bJ/wA8Zf8Avg1oWv8AqP8AgTf+hGpqAMnbJ/zxl/74NG2T/njL/wB8GtaigDJ2yf8APGX/AL4NG2T/AJ4y/wDfBrWooAydsn/PGX/vg0bZP+eMv/fBrWooAydsn/PGX/vg0bZP+eMv/fBrWooAydsn/PGX/vg0bZP+eMv/AHwa1qKAMnbJ/wA8Zf8Avg0bZP8AnjL/AN8GtaigDJ2yf88Zf++DRtk/54y/98GtaigDJ2yf88Zf++DRtk/54y/98GtaigDJ2yf88Zf++DRtk/54y/8AfBrWooAydsn/ADxl/wC+DRtk/wCeMv8A3wa1qKAMnbJ/zxl/74NG2T/njL/3wa1qKAMnbJ/zxl/74NG2T/njL/3wa1qKAMnbJ/zxl/74NG2T/njL/wB8GtaigDJ2yf8APGX/AL4NG2T/AJ4y/wDfBrWooAydsn/PGX/vg0bZP+eMv/fBrWooAydsn/PGX/vg0bZP+eMv/fBrWooAydsn/PGX/vg0bZP+eMv/AHwa1qKAMnbJ/wA8Zf8Avg0bZP8AnjL/AN8GtaigDJ2yf88Zf++DRtk/54y/98GtaigDJ2yf88Zf++DRtk/54y/98GtaigDJ2yf88Zf++DSFZMH91J/3wa16Rvun6UAY3/MDh/66t/6E1Q23/H1F/vj+dTf8wOH/AK6t/wChNUNt/wAfUX++P50AdBVGz/48Lf8A65L/ACq9VGz/AOPC3/65L/KgDC8Yf8wbH/P+f/SeaoIlPljLt+GKf44mjt7fSZZjhFvzk/8AbCaqEF2sqsIGAWNth+Xv/k1Fe/u+n6sxj8UvX9EWNcP/AB6/9hC0/wDSiOuurkdbHFof+ohaf+lEdddW3/Lter/Qa/iP0X6jLP8A4+Lv/roP/QFq3VSz/wCPi7/66D/0Bat1BqFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVQs/wDj3P8A10f/ANDNX6oWf/Huf+uj/wDoZoAdc/6tP+usf/oYq7VK5/1af9dY/wD0MVdoAKKKKAILf/X3X/XUf+gLXFeGtV0+10V9VvZdbmureGaWdpmu2hYKx4XefKJxgDFdrb/6+6/66j/0BaqwaFZQ+Hzo0itPZtG0brKcllYkkEjHrSHp1M5/El/ZRSnV9KjtpPsct3AkN35ocRgFkY7F2t8w6bh1545Dr+rl7KFNGt/tF8kksSPfEKiKEOZD5ZwfmxhQ2CByQSRLF4Wi+zyx32pX+oF7VrRJLlo90MbDDbdqAEnA+Zsngc9a0TpsJvbS63Sb7SJ4oxkYIbbnPHX5R+tP+vz/AOALX+vl/wAEyNK8T3d/NYNdaULS2vy8cTm5DyLIiksGULgL8j4YMScDIGeIIvF0t1fXunQR6a17FbyzRLBqIlKFCAVlAT923zDj5hwRnitaPw9aR29lDvmZLOSSRMsPmLq4IPHTDnpjtVXTPCdvpssDG/vbpLa1a0ginMYWOJtvygIi/wBwcnJ9SaTuxqyaLfhy6vb7w3YXWprEtzNAjsYpNwbKg7vurgnqQBgeprTqnpWn/wBlaZDZLczXKQKER5wm4KOAPlVRwOOmfXNXKuVm9CY3SswoooqRhRRRQAUUUUAFFFFABRRRQAUUUUAQ2v8AqP8AgTf+hGuQtrGy1XTr7Vda0ca9d/bJojbukbm3RHKBUErBUG1QxwQSTnniuvtf9R/wJv8A0I1Qu/DOmXl5LdPHcQzzACV7S7mt/NxwC/lsu4gcZOTjikxnEa0+lXF2t1JoDahZf2BE8JlVG+xqWbDsSSy4GMsm4jBPOK1byKS3ufJnuPtUsfhmVXnznzSCoLZ75611kOlWNvOJobdUYW62wAztESkkLt6Y5NV4PDul28KxQ2xCLbNaKDK52wsclBk8D09BwMCiSuml5/jzf5gt7+n4W/yOXn0fTdH8NaPqmj2cFhqW+1RXtIhG1xvZA8b7R84IycHOMZ7V3dZNj4Z0vTp4poIp5HgG2E3N1LceSMY+QSM2zjjjHHFa1XJ3bIirJBRRRUlBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFI33T9KWkb7p+lAGN/zA4f+urf+hNUNt/x9Rf74/nU3/MDh/66t/6E1Q23/H1F/vj+dAHQVRs/+PC3/wCuS/yq9VGz/wCPC3/65L/KgDnfHMCXNvpMMn3W1DnH/XCaqdrbQWcAjjBxnJye9aPjAZ/sYf8AUQP/AKTzVDaOGiO6JwQxHJHNTWv7vp+rMYfFL1/REWuNzaD/AKiFp/6UR111cJrE269swvIOoWo5/wCvhK7utf8Al2vV/oNfxH6L9Rln/wAfF3/10H/oC1bqpZ/8fF3/ANdB/wCgLVuoNQooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACqFn/wAe5/66P/6Gav1Qs/8Aj3P/AF0f/wBDNADrn/Vp/wBdY/8A0MVdqlc/6tP+usf/AKGKu0AFFFFAGY08sd5ciNgB5gPK5/gWl+13H99f++Kjl/4/bn/fH/oC1m2OvafqVx5NnLJIcMVkMEixyAHBKSFQr/8AASaANb7Xcf31/wC+KPtdx/fX/vioqKAJftdx/fX/AL4o+13H99f++KiooAl+13H99f8Avij7Xcf31/74rN1PVrXSLfz77zxEASzxW0koUAZJbYp2j3NS2N9DqEBmt1nVM4xPbyQt/wB8uAce/SgC79ruP76/98Ufa7j++v8A3xUVFAEv2u4/vr/3xR9ruP76/wDfFRUUAS/a7j++v/fFH2u4/vr/AN8VFRQBL9ruP76/98Ufa7j++v8A3xUVFAEv2u4/vr/3xR9ruP76/wDfFRUUAS/a7j++v/fFH2u4/vr/AN8VFRQA6K5nWPCuoGT/AA+9P+13H99f++Kgj+7+J/nWZNrwFzNDp+nXmpG3bZM1sIwsbYztzI67jg87c474NAG19ruP76/98Ufa7j++v/fFV4JfPt45djx+YobZIuGXIzgjsafQBL9ruP76/wDfFH2u4/vr/wB8VFUc8rxRho4JJyWA2xlQQCcZ+YgYHX19AaALP2u4/vr/AN8Ufa7j++v/AHxUVFAEv2u4/vr/AN8Ufa7j++v/AHxUVFAEv2u4/vr/AN8Ufa7j++v/AHxUVFAEv2u4/vr/AN8Ufa7j++v/AHxUVFAEv2u4/vr/AN8Ufa7j++v/AHxUVFAEv2u4/vr/AN8Ufa7j++v/AHxUVFAEv2u4/vr/AN8Ufa7j++v/AHxUVFAEv2u4/vr/AN8Ufa7j++v/AHxUVFAEv2u4/vr/AN8Ufa7j++v/AHxUVFAEv2u4/vr/AN8Ufa7j++v/AHxUVFAEv2u4/vr/AN8Ufa7j++v/AHxUVFAEv2u4/vr/AN8Ufa7j++v/AHxUVFAEv2u4/vr/AN8Ufa7j++v/AHxUVFAEv2u4/vr/AN8Ufa7j++v/AHxUVFAEv2u4/vr/AN8Ufa7j++v/AHxUVFAEv2u4/vr/AN8Ufa7j++v/AHxUVFAEv2u4/vr/AN8Ufa7j++v/AHxUVFAEv2u4/vr/AN8Ufa7j++v/AHxUVFAEv2u4/vr/AN8UG6uMH51/75qKg9DQAz/mBw/9dW/9Caobb/j6i/3x/Opv+YHD/wBdW/8AQmqG2/4+ov8AfH86AOgqjZ/8eFv/ANcl/lV6qNn/AMeFv/1yX+VAGB4zzs0facH+0Dz/ANu81RwHEIxT/GgLR6OAcZ1D/wBoTVVSVgMA8Cs8Q/h9P1ZhH4pev6Iz9RObqyP/AFELT/0fHXoFcTrNqsc9m8Z4/tC0yP8At4jrtq2X8Ner/QtfxH6L9Rln/wAfF3/10H/oC1bqpZ/8fF3/ANdB/wCgLVupNAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACqFn/wAe5/66P/6Gav1Qs/8Aj3P/AF0f/wBDNADrn/Vp/wBdY/8A0MVdqlc/6tP+usf/AKGKu0AFFFFAGRPj7XdbuRvGeP8AYWuEg1aSytZ9P8J38esWwspZbZYysklkVA2ISPvA5O1WG7jGT27yYgX1zk/xj/0BaTI9RSGcOLqOSzul8LatdaiG0uZpmF287JLtHlnJJMbklvlGOnTirN74gg1B7p9H1ITxx6NPIWt5chJPlweOjD8xn3rr8j1FGR6im9f69f8AMS0/r0/yOPvFh0+40yDVdVu7bTZ4XlmuZb2SPzLjC7VMu4bBjeQilQSOnGKzDfXT600FvqkMTK8C6e97q0kRmhKqdwi2lZ9xLAsSTn0IFeh5HqKMj1FO+t/6/rp6CtpYy/E//Io6v/15Tf8AoBrL1q8vdMvtltNIf7Vt1gtQTkQ3AOMgdhtYsf8Arma6jI9RVF9Njm1eK/nuJpDAD5MDFRHExGCwwMkkZHJOMnGKQ/6/L/I5C9uLe2udat7nXL6K7tmjTToftbhnfyI8bVz+9JYjKncOeg3HLbm/1STxHLDc3lrYXqywC2juNUkgUqQpO2EIVm3MXXJJOeOMCu2trOK1uLuaNmLXcolcMRgEIqce2FH61ZyPUU10YdLBRRkeooyPUUgCijI9RRkeooAKKMj1FGR6igAooyPUUZHqKACijI9RRkeooAbH938T/OuVjll0ixutMnGpWkn2iWaG7sbI3AmV3Zx0jcA84IYA8ZHFdUhG3r3P86dkeopDPPtWsNSu7m2fWlzv06NUmbSpLwwT8+YVETDynztO7Hbg8Yq9faB51vrtzPayXV9EsbWlwYzv3rCnzxjs24cleTgA5xXZ5HqKMj1FUI4S/wBMvLjxVctdnyZXnhazuxpUtw8cYC8JMjbYhuDAhgOpJyDVz+xVWxurpbBjeyaureYYiZPK+1q3BxkJgbuOOprr8j1FGR6iktLf12/yA5TRrW0i1hjqelzvrX2uZhevaMw2HdsImxtC7CF254PGM11dGR6ijI9RR0sHW4UUZHqKMj1FABRRkeooyPUUAFFGR6ijI9RQAUUZHqKMj1FABRRkeooyPUUAFFGR6ijI9RQAUUZHqKMj1FABRRkeooyPUUAFFGR6ijI9RQAUUZHqKMj1FABRRkeooyPUUAFFGR6ijI9RQAUUZHqKMj1FABRRkeooyPUUAFFGR6ijI9RQAUUZHqKMj1FABRRkeooyPUUAFB6GjI9RSEjHUUAN/wCYHD/11b/0Jqhtv+PqL/fH86m/5gcP/XVv/QmqG2/4+ov98fzoA6CqNn/x4W//AFyX+VXqo2f/AB4W/wD1yX+VAGB4zJEej7ev284/8B5qgiXbGAO3vVjxj00fv/xMD/6TzUkPliPMjAE81NZX5fT9WYw+KXr+iKOryNIbTgBRqFp16n/SI67OuAvdXsr+e3jtbhZGW/sj8vcNPGwx68V39a/8u16v9Bx/iP0X6jLP/j4u/wDroP8A0Bat1Us/+Pi7/wCug/8AQFq3UGoUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABVCz/49z/10f/0M1fqhZ/8AHuf+uj/+hmgB1z/q0/66x/8AoYq7VK5/1af9dY//AEMVdoAKKKKAKsUMclxdGSNWPmgZKg/wLU32aD/njH/3wKZb/wCvuv8ArqP/AEBa5bT/ABFrLx6Tc3kmnyw6pO8CQQ27xyRYDnfkyMHACcjC9c57FAdZ9mg/54x/98Cj7NB/zxj/AO+BWXa+I7A2Eck96srmCKYvHbSIJRIcKUQ5JyeNoJIPBqVfEWmSam1gk7GcOYs+S4jMgGSgkxsLAZ+UHPB44NN6AX/s0H/PGP8A74FH2aD/AJ4x/wDfArP0u8vNW8K2d7E8EF5dWscu5oi8asygn5dwJHtu/Gs/QtYv5ZkGt31iTPcXFtbxW9nJGXeJ2BO4yMOVQnbgfU4p2s7B0udB9mg/54x/98Cj7NB/zxj/AO+BWZceKdHtp/IkunaYvJGscUEkjSMm3eECqSxG4Z257/3ThX8T6UllbXQnklS6ZliSG3kkkYrncPLVS424wcjg8HBpdLgaX2aD/njH/wB8Cj7NB/zxj/74FJbXMN5axXNrIssMqh0dTkMD0NS0AR/ZoP8AnjH/AN8Cj7NB/wA8Y/8AvgVJRQBH9mg/54x/98Cj7NB/zxj/AO+BUlFAEf2aD/njH/3wKPs0H/PGP/vgVJRQBH9mg/54x/8AfAo+zQf88Y/++BUlFAEf2aD/AJ4x/wDfAo+zQf8APGP/AL4FSUUAVraCFoctEhO5uqj+8al+zQf88Y/++BTbX/Uf8Cb/ANCNchZ69q9z4iQ3C3lpatqbWvkyrb+XsWB2xlSz7tygkk46Y70dbB0udj9mg/54x/8AfAo+zQf88Y/++BWRYeKLe/ntgLK8gtrwkWl3MiiO4IBIxhiy5AJG5VyB9KH8RuGuITpN9FcLbvPbpKIh9pVSASuH4xuXh9p5+tJuyGld2Nf7NB/zxj/74FH2aD/njH/3wK5208TF9PsdQ1GK8tXk02W8e2VYijhAhZuCTn5xtG4cE7uatQeKrRvON7a3mnxx2pu1kuo1AlhHVgFYkYyMqwDcjiqat/X9dhLVXRsfZoP+eMf/AHwKPs0H/PGP/vgVl6d4hF9qKWM2l39hNJAbhPtSx4ZAVHVHbByw4PI7gcZW/wDEK2eqPp0GnX1/dJAtwyWyJgIxYZ3OyjOV6Zyc8A4OFsG5p/ZoP+eMf/fAo+zQf88Y/wDvgVjHxZbSiH+y7K91NpbZbpltUQGKNuFLb2XkkH5RlvlPFMk8T2MBnvRNeXFsLW3mEccKldsrsilRgOWyOQfQYGcigDc+zQf88Y/++BR9mg/54x/98Cue1HxZNb6Lqk9vpN3FfWCK5tbgR52sPlfKybSvB6Nng8V0NvK89ukkkElu7DJilKlk9jtJH5E0AH2aD/njH/3wKPs0H/PGP/vgVJRQBH9mg/54x/8AfAo+zQf88Y/++BUlFAEf2aD/AJ4x/wDfAo+zQf8APGP/AL4FSUUAR/ZoP+eMf/fAo+zQf88Y/wDvgVJRQBH9mg/54x/98Cj7NB/zxj/74FSUUAR/ZoP+eMf/AHwKPs0H/PGP/vgVJRQBH9mg/wCeMf8A3wKPs0H/ADxj/wC+BUlFAEf2aD/njH/3wKPs0H/PGP8A74FSUUAR/ZoP+eMf/fAo+zQf88Y/++BUlFAEf2aD/njH/wB8Cj7NB/zxj/74FSUUAR/ZoP8AnjH/AN8Cj7NB/wA8Y/8AvgVJRQBH9mg/54x/98Cj7NB/zxj/AO+BUlFAEf2aD/njH/3wKPs0H/PGP/vgVJRQBH9mg/54x/8AfAo+zQf88Y/++BUlFAEf2aD/AJ4x/wDfAo+zQf8APGP/AL4FSUUAR/ZoP+eMf/fApGtoNp/cx9P7oqWkb7p+lAGN/wAwOH/rq3/oTVDbf8fUX++P51N/zA4f+urf+hNUNt/x9Rf74/nQB0FUbP8A48Lf/rkv8qvVRs/+PC3/AOuS/wAqAMPxd10b/sIH/wBJ5qxrzUobeYRSW8rFVHKuij17sDWx4v8A+YN/2ED/AOk81VPI+0Kr+fNHxjCNgUVGk437fqzKHxS9f0Rm3+h2llNp80O8PFd2MQyeyyxqP0Ar0CuR1s/8en/YQtP/AEojrrqv/l2vV/oC/iP0X6jLP/j4u/8AroP/AEBat1Us/wDj4u/+ug/9AWrdQahRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFULP/j3P/XR/wD0M1fqhZ/8e5/66P8A+hmgB1z/AKtP+usf/oYq7VK5/wBWn/XWP/0MVdoAKKKKAILf/X3X/XUf+gLWR4a8L2mhWCE2VkmolXWa6giAeQFieXwCe3X0q+LryLq6Xyy2ZAcgj+4tP/tD/pi35ik1cDnrbw3qsEGkHfZedo9tFFCuSRM2AJdzFcqMD5cDryfSmad4QmstX/0iJbq0S7kuoZm1S4UxliWH+jYMZILEZyMjnGeK6T+0P+mLfmKP7Q/6Yt+YpvUBmhWMul+HtPsLhkaW2to4nKElSVUA4z24rnNbh/sbwwySTQHU/wC0ZLvTog3zTStOzqgHUkq+1sDgE/Wum/tD/pi35ij+0P8Api35ih6u4HMnT77SdZ0G305ba5uorG7ab7Q5jWZ2eEu25VbaSzFvun04zkRzeDtQ8y2v0kjmvC07XMEd/PZpmVg3ySxDdhSoGCuG5PBrqv7Q/wCmLfmKP7Q/6Yt+Yo8/61DpYNJsU03Sba0ihWBYkx5SzNKFPUgO3zNyTyeTVyqf9of9MW/MUf2h/wBMW/MUAXKKp/2h/wBMW/MUf2h/0xb8xQBcoqn/AGh/0xb8xR/aH/TFvzFAFyiqf9of9MW/MUf2h/0xb8xQBcoqn/aH/TFvzFH9of8ATFvzFAFyiqf9of8ATFvzFH9of9MW/MUATWv+o/4E3/oRrKPhxWuEke4yq6hJeldnUPE0ezOf9rOfbpVuG+2R48pj8xPUepqT+0P+mLfmKAMiw8MXdslla3WqLPYadn7JGlv5cq/KVTfJuIbarEcKuTgmq2ieCP7L1Fbua5tJJBaSWzvb2Ihkn3FD5krl2Lv8pyT1JJwO/Qf2h/0xb8xR/aH/AExb8xRuGxjr4VuH023trrUI3a306fT1eO2KArIEAYgueQI+eec9qn1bw/DfQsbqeQQrp0to6xRlnIbYdy4ycjZwMHOfz0f7Q/6Yt+Yo/tD/AKYt+Yod3/Xr/mwWn9f12Od8PrqV94kS+vJ5riG2smtxK+myWQZmZDwkhLE4TJYYXkADOas3dhq83jC8n0u7SyVtPgj8ye1M0bHfMTjDL8y5HcjDcjkVs/2h/wBMW/MUf2h/0xb8xQHf+u3+RjReFbjS5I38PakloTarbT/arfz/ADNpJVxh12vlnz1Bz04p58IxJEYre6ZI/s9rAoZNxAglaTJORktux2x+la39of8ATFvzFH9of9MW/MUAUtS8P/2gdVP2nyzqFolsP3efLK7yG68/f6cdOvNatus626C7kjlmA+d4oyisfUKSSPzNV/7Q/wCmLfmKP7Q/6Yt+YoAuUVT/ALQ/6Yt+Yo/tD/pi35igC5RVP+0P+mLfmKP7Q/6Yt+YoAuUVT/tD/pi35ij+0P8Api35igC5RVP+0P8Api35ij+0P+mLfmKALlFU/wC0P+mLfmKP7Q/6Yt+YoAuUVT/tD/pi35ij+0P+mLfmKALlFU/7Q/6Yt+Yo/tD/AKYt+YoAuUVT/tD/AKYt+Yo/tD/pi35igC5RVP8AtD/pi35ij+0P+mLfmKALlFU/7Q/6Yt+Yo/tD/pi35igC5RVP+0P+mLfmKP7Q/wCmLfmKALlFU/7Q/wCmLfmKP7Q/6Yt+YoAuUVT/ALQ/6Yt+Yo/tD/pi35igC5RVP+0P+mLfmKP7Q/6Yt+YoAuUVT/tD/pi35ij+0P8Api35igC5SN90/Sqn9of9MW/MUh1DKn9y3T1FAFL/AJgcP/XVv/QmqG2/4+ov98fzqb/mBw/9dW/9Caobb/j6i/3x/OgDoKo2f/Hhb/8AXJf5VeqjZ/8AHhb/APXJf5UAYXjDj+xs8f8AEwP/AKTzUyBlWIAdjS+MwSmj45P9of8AtCao4mHlDaODU19ovy/VmEH78vX9EVdXJ3Wmf+ghaf8ApRHXZ1w+q+Y8to8uF/4mFpgA5z/pEddxVx/hL1f6Dj/Efov1GWf/AB8Xf/XQf+gLVuqln/x8Xf8A10H/AKAtW6RsFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVQs/+Pc/9dH/9DNX6oWf/AB7n/ro//oZoAdc/6tP+usf/AKGKu1Suf9Wn/XWP/wBDFXaACiiigDJl/wCP65/3x/6AtJSy/wDH9c/74/8AQFrz/wAN6V9oi0u4s9GFk0UsklzqP7pftKZYbMKSz5JH3wANueuKV7Ad/RXK2Os3iWWjwQQWMA1K1ja2VE2JCwALjbu5G0/KBjpgnvTbPxRfXuqhY7Z3tHunt/LWwnzGqkr5hn/1ZG5fugcA9cim9AOsornLD/kmMH/YJH/oqs6bStP0nw/pWo6VaQ2WobrZVe1jEbT72QMjbR8wIycHPTPanb3mvT8Qe33/AIHaUVyln4pvrzVlEVs72j3T2/lrYT5jVSV8wz/6sjcv3QOAeuRTtP1zWJbLSL69+wiHUysYihjctEzISrbi3zDI5XAxn7xxkpagdTRXFQvq0mkaS811b3Fy2qyLE7xuoQDzh83zMWxjIAI4wMjrXR6NeXVyt3DqHktcWlwYWkgUqkg2qwIUkkcMARk8iha/16f5h/X5/wCRpUUUUAFFFFABRRRQAUUUUAFFFFADY/u/if51WTVtOl1BrCLULV7xM7rdZlMi49VzmrMf3fxP8657V2eK+0+eSa1msW1BFhggj2SCQ5Xdv3EPgliQApwDk8EMdUg6M2F1bTn1E6emoWrXq9bYTKZBxn7uc9OakvL600638/ULqG1hyB5k8gRc+mTxWS6DVr6KKxgWKzsrsyy3GAN8qk5VAP8AaJ3Mcdxzk4TxWszQaYLWSOOY6jFseSMuoPzdVBBP5ijsHc1IdUsLiKCW3vraWO4YpC6TKwlYZyFIPJ4PT0NWq47Tbi4tNSkslnUzTawyXVxAgCSFrZnwqnOwjavGSeMknJFang+3kg0H97dzXO64mx5oQbcSsONqjr15zyfTigOtjdooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAoPQ0UHoaAGf8wOH/rq3/oTVDbf8fUX++P51N/zA4f+urf+hNUNt/x9Rf74/nQB0FUbP/jwt/8Arkv8qvVRs/8Ajwt/+uS/yoA5/wAbf6nSOv8AyEO3/XCao7NlFsoccrx161J41bbFo5H/AEEOwz/ywmqpEoeMMzYJpVbWjft+rOdX5pW7/ohurjm0Of8AmIWn/pRHXZ1xOrHMln/2ELT/ANKI67anD+EvV/oVH+I/RfqMs/8Aj4u/+ug/9AWrdVLP/j4u/wDroP8A0Bat0GwUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABVCz/49z/10f/0M1fqhZ/8AHuf+uj/+hmgB1z/q0/66x/8AoYq7VK5/1af9dY//AEMVdoAKKKKAMmX/AI/rn/fH/oC1BaWcFjaJbWqeXCmdq5Jxk56nnvV9bVZ7q6ZndSJAMKR/cWn/ANnx/wDPWX8x/hQBgL4d0tIfKW2IXy44l/evlFjOUCnOVweeMc8mnxaJYwag95As0UjuXdI7mRYmYjBYxhthJ65x1561uf2fH/z1l/Mf4Uf2fH/z1l/Mf4UAZcen20WmLp8cWLVYvJEe4/cxjGc56VUsvDum2E0UsMc0jwjEJuLmWfyuMfJvY7eOOMccVv8A9nx/89ZfzH+FH9nx/wDPWX8x/hR1uBhxaHZQag95brNFK7F2SO5kWJmIwWMYbYSeucdeetU9B8MWuk2liZUL3dtAEz58jxo20BmRGO1SeeQATk+prqP7Pj/56y/mP8KP7Pj/AOesv5j/AAo2AxIdFsYGBjif5bg3Kq0zsqSHOSoJwo+ZuBxz0q1Daw28k7wpta4k8yQ5J3NtC59uFFaP9nx/89ZfzH+FH9nx/wDPWX8x/hQBToq5/Z8f/PWX8x/hR/Z8f/PWX8x/hQBToq5/Z8f/AD1l/Mf4Uf2fH/z1l/Mf4UAU6Kuf2fH/AM9ZfzH+FH9nx/8APWX8x/hQBToq5/Z8f/PWX8x/hR/Z8f8Az1l/Mf4UAU6Kuf2fH/z1l/Mf4Uf2fH/z1l/Mf4UAUY/u/if51Vh0fTLa+e9t9OtIruQkvPHAqyNnrlgMnNakFijxZMkg+ZhwR6n2qT+z4/8AnrL+Y/woAwv+Ed0T7Z9r/sfT/tO/zPO+ypv35zu3YznPOatXljaajb+RqFrDdQ5B8ueMOufXB4rT/s+P/nrL+Y/wo/s+P/nrL+Y/woAy4NOsrWGGG2s7eGKBi0SRxKqxk5yVAHB+Y9PU+tOt7K1tGla1toYGncySmOMKZGPVmx1Pua0v7Pj/AOesv5j/AAo/s+P/AJ6y/mP8KAKdFXP7Pj/56y/mP8KP7Pj/AOesv5j/AAoAp0Vc/s+P/nrL+Y/wo/s+P/nrL+Y/woAp0Vc/s+P/AJ6y/mP8KP7Pj/56y/mP8KAKdFXP7Pj/AOesv5j/AAo/s+P/AJ6y/mP8KAKdFXP7Pj/56y/mP8KP7Pj/AOesv5j/AAoAp0Vc/s+P/nrL+Y/wo/s+P/nrL+Y/woAp0Vc/s+P/AJ6y/mP8KP7Pj/56y/mP8KAKdFXP7Pj/AOesv5j/AAo/s+P/AJ6y/mP8KAKdFXP7Pj/56y/mP8KP7Pj/AOesv5j/AAoAp0Vc/s+P/nrL+Y/wo/s+P/nrL+Y/woAp0Vc/s+P/AJ6y/mP8KP7Pj/56y/mP8KAKdFXP7Pj/AOesv5j/AAo/s+P/AJ6y/mP8KAKdFXP7Pj/56y/mP8KP7Pj/AOesv5j/AAoAp0Vc/s+P/nrL+Y/wo/s+P/nrL+Y/woAp0Vc/s+P/AJ6y/mP8KP7Pj/56y/mP8KAKdFXP7Pj/AOesv5j/AAo/s+P/AJ6y/mP8KAKdFXP7Pj/56y/mP8KP7Pj/AOesv5j/AAoAp0Vc/s+P/nrL+Y/wo/s+P/nrL+Y/woAp0Hoauf2fH/z1l/Mf4UjafGFP7yTp6j/CgCj/AMwOH/rq3/oTVDbf8fUX++P51N/zA4f+urf+hNUNt/x9Rf74/nQB0FUbP/jwt/8Arkv8qvVRs/8Ajwt/+uS/yoA5zx3IYrXSXXqNQ7/9cJqyrXVljt1WSFgR6c1qePIvOtNJjOcNqHOP+uEtQ2gK24Cwr+I6UVbNRv2/VnMk3OVu/wCiItWADWmP+ghaf+lEddrXEauSJ7Rccf2hac/9vEddvRD+EvV/oXH+I/RfqMs/+Pi7/wCug/8AQFq3VSz/AOPi7/66D/0Bat0GwUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABVCz/AOPc/wDXR/8A0M1fqhZ/8e5/66P/AOhmgB1z/q0/66x/+hirtUrn/Vp/11j/APQxV2gAooooAgt/9fdf9dR/6AtZFh4w07UfDlzrMEdwsNqWEsMiBZVxz0zjkEEHPIIrWg/113/11H/oC1wE+i6haeB7e5srKdriey+x3toIzvZSTsfbjO5Scf7rH0FC3Doej1i3XiN4dSu7O00XUb9rRVMr2xhCjcMgAPIpJx6Cud1ixSXVNaGoaVdXWpzFf7Iu47Z5BEuwBAkoGISsgZjkr1B5rRt786R4l1c3tpqErTrbmNrexllWUiPBw6rtHPqR+FHS4dTotO1G11WwjvLCXzYJM7W2lSCDggg8ggggg8ginm7gF8tmX/0h4zKqYPKggE56dWFcHfaddR6dbW2p6RBKbua5vG83T5NQS3kd8iLZGQA2G/1hYAENjrmrOlaeItQ8O6hqekvNfnSPLM8loWdJwI8B3wdhxuGWI7jNC/r7n+q+fzD+vx/y+47mqUOqQzazc6ZtkS4t4o5juA2ujlgCvPOCpB6Vx/hOG4/4SqK6XTBYRT2UpuUj0yW22y74yFkkc/vmGXw4Az8x78a3i1dQsLi11nRLN7u7RJLR441JJWQZRiB2WRVJ9AWNGyQb3NvTdTg1WGaW1D+XFO8G9gAHKHaxX1GQRn2NPtb+K7uryCNXDWcoikLAYJKK/Hthx+Oa8/8AE2lTWmnppdppgnmsdOAtLw6ZLdSSy/MT5bqQsDhgG3EkksOOMHWuYrm01aXUJbS6khh1mOZ/KgaRihshFuVVBLAM2DgHofSnp/XqgOzorzzU7e+v7CeeOymFjLrJmnhutPkm8yHyVCs0AKu67wp29RjJHBA6jwnaGz0FU84yRtK7xr9iktBEpb7ixSEsqjnAPbpxiktv68gZt0UUUAFFFFABRRRQAUUUUAQ2v+o/4E3/AKEafKzpC7RJ5jqpKpnG49hntTLX/Uf8Cb/0I1Ta1vLRru6W8u9R3IxjsJPJRM9QqsEB9huY9efWkAzTdUvZtTm0/VLKC2uI4VnBtrkzoVJI5JRCDlTxjB554NM17xDFoj2UXkm4nvLiOJY1bGxGdUaQ8HgF1+pIHesvTrO8sLu6vdH8PHTLZLRgumGWGL7VPkENiNmROBt3E5OeRhRUGr+HNfuJri8tb6zkkubm2cRS2bF4I45UYIH84AquCxwoLc+oxXVf11DuauoeIri1mvXtdPW4stNx9smM5V1+UM3lptO/apBOSvXAyak1TWb/AE7fdLpsMumRbDJObvbKVOMskYQhgM92UnBwOmc+9sdVj/tnTrawNxFqx3JdrIixwFo1jfepbdxt3DaGznHGKL1NQfVzFd6LqN9p1oY/ssdtLbiOVgAfMkDyqxIbgKRtGM8nG1Lp/Xr/AMAH/X6f8Es6n4muLG8vVhsI5rXT1ja6ke58uT5+f3abTv49WXJ4HSrGq6vqOmNJcf2ZDJpsJXzZmutspBxkpGEIOM9Cyk4OB0zh6xo+oT6lqbnR21C5udv9m6gJ0UWA2BcZZg8eGBYmMHdn14q1eDVJdW2ajo+oajZWpjMC20lusUzgAmRw0qsSGzhSNoxnk42i6AzT1XVtQ0yYzHToJNPV40aX7URMxZgvyx7CDywGCwJ7Dpkl1TVJNanstO061lhthGZZri8aI5bJwqiJs4A7kVm6/Y3Oo3cq2fh4x6iu1LXWt8K+SODncG80Yyw2hSD0PDGovE2kSapPcR2fhtRqLbFttczCvkkYO/du80FTngKc4xnB4F0A6SbVdPt9QisJ7+2ivJhmK3eZRI455Ck5PQ9PSpZruCC4t4JX2yXLFYlwTuIUsfpwD1rjbzw7qMniC/S4OqS2N/cwzeZZNaBF2hQBJ5o8wbWTPyE8HjByK2NW8Kw6nrVlfGe8QRyM0ypqNxHwYyo2KrgKckZxjIz1zR0uBb1nUdR02KS4tLC2ntYIjLPJNeGEgDJIUbGBOB3Kjpz1xX1DxBcw3CQ6dYRSt9jN5Kby5+zhI84wPlYlvUHAHGTzUPiG0+1OsH/CMtqbxw/6Le+bEDA5yM73YSIRhTuQE9xyKz73R9QW7gfV9KbxLGlhHEipJGPJuFzvkxIygFsrh1yw2ngd1/X5j/r8v+CdZZXSX2n293Grok8SyKrjDAMM4I9eanqjotvd2mh2dvqU3n3ccKrLJuLbmxzyeT9TyetXqp2voStgooopDCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACkb7p+lLSN90/SgDG/5gcP/AF1b/wBCaobb/j6i/wB8fzqb/mBw/wDXVv8A0Jqhtv8Aj6i/3x/OgDoKo2f/AB4W/wD1yX+VXqo2f/Hhb/8AXJf5UAYHjP8A1ej/APYQ/wDaE1QJIVUDa34Cp/GgBj0fd0/tDt/1wmqgu9xkM4HYBazxH2fT9WYR+KXr+iG6scyWf/YQtP8A0ojrtq4jVVCtZgDA/tC0/wDSiOu3q6f8Jer/AEHH+I/RfqMs/wDj4u/+ug/9AWrdVLP/AI+Lv/roP/QFq3TNgooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACqFn/AMe5/wCuj/8AoZq/VCz/AOPc/wDXR/8A0M0AOuf9Wn/XWP8A9DFXapXP+rT/AK6x/wDoYq7QAUUUUAVI7iKK5ulkcKfNBwf9xal+2W//AD2X86z5f+P65/3x/wCgLSUAaP2y3/57L+dH2y3/AOey/nWdRQBo/bLf/nsv50fbLf8A57L+dZ1FAGj9st/+ey/nR9st/wDnsv51nUUAaP2y3/57L+dH2y3/AOey/nWdRQBo/bLf/nsv50fbLf8A57L+dZ1FAGj9st/+ey/nR9st/wDnsv51nUUAaP2y3/57L+dH2y3/AOey/nWdRQBo/bLf/nsv50fbLf8A57L+dZ1FAGj9st/+ey/nR9st/wDnsv51nUUAXLe6gWHDSqDuY9fc1L9st/8Ansv51mR/d/E/zp1AGj9st/8Ansv50fbLf/nsv51nUUAaP2y3/wCey/nR9st/+ey/nWdRQBo/bLf/AJ7L+dH2y3/57L+dZ1FAGj9st/8Ansv50fbLf/nsv51nUUAaP2y3/wCey/nR9st/+ey/nWdRQBo/bLf/AJ7L+dH2y3/57L+dZ1FAGj9st/8Ansv50fbLf/nsv51nUUAaP2y3/wCey/nR9st/+ey/nWdRQBo/bLf/AJ7L+dH2y3/57L+dZ1FAGj9st/8Ansv50fbLf/nsv51nUUAaP2y3/wCey/nR9st/+ey/nWdRQBo/bLf/AJ7L+dH2y3/57L+dZ1FAGj9st/8Ansv50fbLf/nsv51nUUAaP2y3/wCey/nR9st/+ey/nWdRQBo/bLf/AJ7L+dH2y3/57L+dZ1FAGj9st/8Ansv50fbLf/nsv51nUUAaP2y3/wCey/nR9st/+ey/nWdRQBo/bLf/AJ7L+dH2y3/57L+dZ1FAGj9st/8Ansv50fbLf/nsv51nUUAaP2y3/wCey/nR9st/+ey/nWdRQBo/bLf/AJ7L+dI15blT+9Xp61n0HoaAGf8AMDh/66t/6E1Q23/H1F/vj+dTf8wOH/rq3/oTVDbf8fUX++P50AdBVGz/AOPC3/65L/Kr1UbP/jwt/wDrkv8AKgDB8ZAldHC9f7QP/pPNVGOPzFz5rcccGrvjP7mj8E/8TA9P+veaoLQYtlG3b7VniPs+n6sxj8UvX9EVdW/1ln/2ELT/ANKI67auH1dgJrND1/tC04/7eI67irp6Ul6v9Aj/ABH6L9Rln/x8Xf8A10H/AKAtW6qWf/Hxd/8AXQf+gLVumbBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFULP/j3P/XR/wD0M1fqhZ/8e5/66P8A+hmgB1z/AKtP+usf/oYq7VK5/wBWn/XWP/0MVdoAKKKKAMi5cR3N27fdVgT/AN8LWBpa6rq9nb6rLqklotwBNFZwwxmNYzyquWUsxI6kMvsBXSy2kr3M7bMo7AjkcjaB/SsWz8O6vpqra2OoxjTkb93FLbb5Y0/uLJvAwOgypIHrQtw6Ef8AwklubkqLS7Nos/2Y321fJEmduPvb8bvl3bcZ71XtfEDpAI5YLi/vJbq6SKG3VA3lxysuSWKqABtGSckkdTU8fhK+jZrUXqHSjdfafs5h/eg7/M2+Zvxt38/dzjjNH/CJX1vNFdadeJDdxy3BLSw+ZG8c0hkKFQ6nIO3BBHTpzQD/AK/EG8TQFbQW9neXE915gWCNFDo0ZAdW3MACM+uDjgnIzFJ4sgjkI/s3UXjFw1qJUiUq0wJAQfNnkjAbG3nkjnF6y8MTWlzaTtMZJIRMZTtA815WDMw5+UZHA547+oPDMwgSPzfu35vc7Rzly23r74z+lHX+v62Dp/Xn/wAAji1sz2Mk0Om3jzxTeTJZgR+YjYzyd+zGCDndjkd+KgPiiBhaLBY3s9xdCXZboi7laJgrqxLBVIJ6k4OODyMrqPg65vfPKzwkTXn2lobmDzYXHlBNjpvG7BAYc8HHHFVLbwfq2mXGnJpc8Ma20d2TKbdfKBllRgnlK4OMbsYIxtH0Iv6+7/MDb03UItTsxcQrJH8zI8cow0bqcMpxkZBHYkehIq1UGlaJNptkYnYzzSSNLNKQF3uxySBngdgOwA5PWrv2Wb+5+ooAhoqb7LN/c/UUfZZv7n6igCGipvss39z9RR9lm/ufqKAIaKm+yzf3P1FH2Wb+5+ooAhoqb7LN/c/UUfZZv7n6igCGipvss39z9RR9lm/ufqKAK8f3fxP86w28ShPEqaTKLPdK7RosV6HnUhC2Xi2/KpAPO49Rxzx0SWk4XlO57j1rGt/BwtryGZbq8aKC4kuIbYvH5aO4fd0UMfvt1JxSeodDK0HXr9NH0ZtSsm+z3cSRLctcb5Wk2ZBZMdG2nB3E8jIGTh0fjIDRLnUrqC0iSNkjSNb0FkkY4CTZUeUQSM5zjn050rHwWLJbWP7Ze3FvZri3gmkTbE2Mb8hQxOCcZJAzwBxhP+EKWVZze3d7dzyRxxrcSvGskQRiyFSiqMhjnJB9+Miqer/r+rgZ9v4x+1xBLO2try6+1LbEWt6JIcshcMJNoyBjBG3IwcA8ZL3XdWaxT7LZ28N5FqMdrcRtckpyVI2t5ZJDBhztBGT6VuJ4enK2/wBsvbq8e3n89Hm8pTnaV2/IqjHzE9M+9MufDAuIrlVlnhe4uUuvNjZN0cihQCuQRj5BwQe9Lr/Xl/wQ/r8/+AXV3FRvADY5AOQD9aWpVtJ1UAgsQMFiRk+/FL9lm/ufqKAIaKm+yzf3P1FH2Wb+5+ooAhoqb7LN/c/UUfZZv7n6igCGipvss39z9RR9lm/ufqKAIaKm+yzf3P1FH2Wb+5+ooAhoqb7LN/c/UUfZZv7n6igCGipvss39z9RR9lm/ufqKAIaKm+yzf3P1FH2Wb+5+ooAhoqb7LN/c/UUfZZv7n6igCGipvss39z9RR9lm/ufqKAIaKm+yzf3P1FH2Wb+5+ooAhoqb7LN/c/UUfZZv7n6igCGipvss39z9RR9lm/ufqKAIaKm+yzf3P1FH2Wb+5+ooAhoqb7LN/c/UUfZZv7n6igCGipvss39z9RR9lm/ufqKAIaKm+yzf3P1FH2Wb+5+ooAhoqb7LN/c/UUfZZv7n6igCGg9DU32Wb+5+ooNrNj7n6igCrLqE2leGTewWv2rymYvGHKnbvOSMA9Ov0ye1Zui+N5tb1WKyg0rZuyXkM5IRR1Jwn4fUgV0VnbbdN+z3UakNvDo2CCCTwfXg1T0Hw9b6D9r+ztu+0S7xwRsQfdTknOMnnvmgDXqjZ/8AHhb/APXJf5VeqjZ/8eFv/wBcl/lQBz/jVd0ejj/qIeuP+WE1RW42wKKk8bsVh0gqMn+0O3/XCaoIArx5O8EcdazxH2fT9WYR+KXr+iKWpqDNZs4BkGoWvzEc/wDHxHXd1wup8T2oPP8AxMLQ5/7eI67qtY/wl6v8kFP436L9SvHJLb3E5Fu8iyMGDKyj+EDufapftkv/AD5S/wDfaf40+ikbjPtkv/PlL/32n+NH2yX/AJ8pf++0/wAafRQAz7ZL/wA+Uv8A32n+NH2yX/nyl/77T/Gn0UAM+2S/8+Uv/faf40fbJf8Anyl/77T/ABp9FADPtkv/AD5S/wDfaf40fbJf+fKX/vtP8afRQAz7ZL/z5S/99p/jR9sl/wCfKX/vtP8AGn0UAM+2S/8APlL/AN9p/jR9sl/58pf++0/xp9FADPtkv/PlL/32n+NH2yX/AJ8pf++0/wAafRQAz7ZL/wA+Uv8A32n+NH2yX/nyl/77T/Gn0UAM+2S/8+Uv/faf40fbJf8Anyl/77T/ABp9FADPtkv/AD5S/wDfaf40fbJf+fKX/vtP8afRQAz7ZL/z5S/99p/jR9sl/wCfKX/vtP8AGn0UAM+2S/8APlL/AN9p/jTLRXS3xIuxizNtJzjLE9vrU1FAEVwGMQ2KWKujYBHOGBPX6VJ9sb/n0m/NP/iqWigBPtjf8+k35p/8VR9sb/n0m/NP/iqWigBPtjf8+k35p/8AFUfbG/59JvzT/wCKpaKAE+2N/wA+k35p/wDFUfbG/wCfSb80/wDiqWigBPtjf8+k35p/8VR9sb/n0m/NP/iqWigBPtjf8+k35p/8VR9sb/n0m/NP/iqWigBPtjf8+k35p/8AFUfbG/59JvzT/wCKpaKAE+2N/wA+k35p/wDFUfbG/wCfSb80/wDiqWigBPtjf8+k35p/8VR9sb/n0m/NP/iqWigBPtjf8+k35p/8VR9sb/n0m/NP/iqWigBPtjf8+k35p/8AFUfbG/59JvzT/wCKpaKAE+2N/wA+k35p/wDFUfbG/wCfSb80/wDiqWigBPtjf8+k35p/8VR9sb/n0m/NP/iqWigBPtjf8+k35p/8VR9sb/n0m/NP/iqWigBPtjf8+k35p/8AFUfbG/59JvzT/wCKpaKAE+2N/wA+k35p/wDFUfbG/wCfSb80/wDiqWigBPtjf8+k35p/8VR9sb/n0m/NP/iqWigBPtjf8+k35p/8VR9sb/n0m/NP/iqWigBPtjf8+k35p/8AFUfbG/59JvzT/wCKpaKAE+2N/wA+k35p/wDFUfbG/wCfSb80/wDiqWigBPtjf8+k35p/8VR9sb/n0m/NP/iqWigBPtjf8+k35p/8VR9sb/n0m/NP/iqWigBPtjf8+k35p/8AFUfbG/59JvzT/wCKpaKAE+2N/wA+k35p/wDFUfbG/wCfSb80/wDiqWigBPtjf8+k35p/8VR9sb/n0m/NP/iqWigBPtjf8+k35p/8VR9sb/n0m/NP/iqWigBPtjf8+k35p/8AFUfbG/59JvzT/wCKpaKAE+2N/wA+k35p/wDFUfbG/wCfSb80/wDiqWigBPtjf8+k35p/8VR9sb/n0m/NP/iqWigBPtjf8+k35p/8VR9sb/n0m/NP/iqWigBPtjf8+k35p/8AFUfbG/59JvzT/wCKpaKAE+2N/wA+k35p/wDFUfbG/wCfSb80/wDiqWigBPtjf8+k35p/8VR9sb/n0m/NP/iqWigBPtjf8+k35p/8VR9sb/n0m/NP/iqWigBPtjf8+k35p/8AFUfbG/59JvzT/wCKpaKAE+2N/wA+k35p/wDFVHbI0dpCjjDKigj0OKlooA5nxtnydIx1/tDj/vxNUMHEKhiCcc1L423eTo+zr/aH/tCaoYnQRgdfXArPEfZ9P1ZhH4pev6Ipar/x9Wv/AF/2n/pRHXdVwupf662P/UQtB/5MR13Vaw/hL1f5IKf8R+i/NhRRRSNwooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiisXxBF9qvdDtGmuIobi/ZJfs9w8LOotp2A3IQcblU4z2oA2qKzP+ET03/nvq3/g5u/8A47R/wiem/wDPfVv/AAc3f/x2gDTorM/4RPTf+e+rf+Dm7/8AjtH/AAiem/8APfVv/Bzd/wDx2gDTorM/4RPTf+e+rf8Ag5u//jtH/CJ6b/z31b/wc3f/AMdoA06KzP8AhE9N/wCe+rf+Dm7/APjtH/CJ6b/z31b/AMHN3/8AHaANOisz/hE9N/576t/4Obv/AOO0f8Inpv8Az31b/wAHN3/8doA06KwI9Pj0nxlYw2lxfNFPYXTyR3F9NOpZZLcKcSO2CA7cj1rfoAKK5vRNEttVsri7vrnU2ma/vE+TVLmNQq3MiqAqyAABVAwB2rR/4RPTf+e+rf8Ag5u//jtAGnRWZ/wiem/899W/8HN3/wDHaP8AhE9N/wCe+rf+Dm7/APjtAGnRWZ/wiem/899W/wDBzd//AB2j/hE9N/576t/4Obv/AOO0AadFZn/CJ6b/AM99W/8ABzd//HaP+ET03/nvq3/g5u//AI7QBp0Vmf8ACJ6b/wA99W/8HN3/APHaP+ET03/nvq3/AIObv/47QBp0Vmf8Inpv/PfVv/Bzd/8Ax2meFZpbjwbos1xI8sslhA7yOxZnYxqSST1JPegCh40ZVj0gyHC/bzk/9u81U4FAhXaTtPIwccVb8ahTHo4cAj+0Oc/9cJqqrFK4yRgdgCOn51FeN1H0/VmMfil6/oirqRzLa/8AYRtP/SiOu6rhdSI3WYAwRqFpkY/6eI67qtI/wl6v8kKn8b9F+oUUUUjcKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigArI1j/AJDfhz/sIv8A+klxWvWRrH/Ib8Of9hF//SS4oA36KKKACkZgilmICgZJPalpskYlieNvuupU49DSd7aDVr6nM2uqeItW0v8AtnTI7BLSQeZbWU8bmWeLsTKGAQsOQNjYyMk0jeNYPOtJo032d3p/2mGML++klLqqxqM4yd2MevOcCk0/+3dF0SPRLfR2upLVBb2t958awMgGEaQFvMBA+8AjcjgnNUz4GYXOmQRSvGNN0zyrbUF274rgOpDBfQgHI6EEg9ael/L/AID/AOB8xdPP/gr+vQ6rSzqDaej6wIEunyzRwA7Ywei5JO4joW4B9BVyqGj3GoXGnKdZsxaXiEpIEcMkhH8aEEnaeoDYI7jvV+mxIKKKKQzCv/8AkedK/wCwdef+jLatWsq//wCR50r/ALB15/6Mtq1aAMzwl/yBJv8AsI33/pXLW3WJ4S/5Ak3/AGEb7/0rlrboARmCKWYgKBkk9q57TtQ13W7ePU7FrC10+Zg0EE8DvLNFnhy4cBCw5A2tjjOeg6CSMSxPG33XUqfxrm9EOsaHp9tosujS3a2gWCG+hmiETxDAVmDMHUgdQFbkcE5oW4PY0m8RabHqa2EksqTNL5Ku1tIImkxnYJSuwt7bs5461GPFejNf/YxdsZftBtifIk2LKDjYz7dqsccAkZ4xnIrm7vR9dvtSja6tL6aWLVUm+0NfqtsLZZQVCQq4ywXGd6Z4Y7jwKu3Gh6i2g3VvFb/v5NbF2oDqMx/aFfdnP90Zx1ojra/9bf5v7glpe39b/wCS+83D4h07+1Dp6yyyTrIInMdvI8aORna0gUorYI4JB5HrSW/iTS7rUFs4Lh2ldmSNzBIscrLncqSFdjkYPCkng+hrN0e31PSTc6VJps0sU13NKuoxzR7NkjF8sCwfcN23AUjgc+mb4a8Nvp502z1DSNRaXTzxePqrSWpKqQHSIykgnP3TGAMnnjkXn/X9fiD02Om8PajLq2g217cqiyShtwjBCjDEdyfStKsnwxZXGneG7W1vI/LmjDbl3A4y5PUcdDWtQAVz3g//AJEbQv8AsHW//ota6Gue8H/8iNoX/YOt/wD0WtAFPxnjbo2Rkf2h0/7YTVXM6x4BK9O5qfxqwSLRyf8AoIdv+uE1RRcxg7Ac+tZ1/s+n6sxj8UvX9EZ+qqy3Vpnp9vtD/wCTEdd3XE6t/rLMnr/aFp/6UR121bK3slbu/wAkTTv7SV+y/UKKKKk6AooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACsXxBL9lvdDu2huJYbe/Z5fs9u8zIptp1B2oCcbmUZx3raooAzP8AhLNN/wCeGrf+Ca7/APjVH/CWab/zw1b/AME13/8AGq06KAMz/hLNN/54at/4Jrv/AONUf8JZpv8Azw1b/wAE13/8arTooAzP+Es03/nhq3/gmu//AI1R/wAJZpv/ADw1b/wTXf8A8arTooAzP+Es03/nhq3/AIJrv/41R/wlmm/88NW/8E13/wDGq06KAMz/AISzTf8Anhq3/gmu/wD41R/wlmm/88NW/wDBNd//ABqtOigDAj1CPVvGVjNaW98sUFhdJJJcWM0ChmktyozIi5JCNwPSt+iigDm9E1u20qyuLS+ttTWZb+8f5NLuZFKtcyMpDLGQQVYHIPetH/hLNN/54at/4Jrv/wCNVp0UAZn/AAlmm/8APDVv/BNd/wDxqj/hLNN/54at/wCCa7/+NVp0UAZn/CWab/zw1b/wTXf/AMao/wCEs03/AJ4at/4Jrv8A+NVp0UAZn/CWab/zw1b/AME13/8AGqP+Es03/nhq3/gmu/8A41WnRQBmf8JZpv8Azw1b/wAE13/8ao/4SzTf+eGrf+Ca7/8AjVadFAGZ/wAJZpv/ADw1b/wTXf8A8apnhWGW38G6LDcRvFLHYQI8bqVZGEaggg9CD2rWooA5vxj93R/+wgf/AEnmqCLJTp3qbxmMpo/OP+Jh/wC0JqghjzHkt1PessR9n0/VmEfil6/ohdSsPtkIQSyQssiSpJHjcrIwdSMgjqo6ioGOsg/8jBfH/tjb/wDxqtb+Cq0nWojVnCNl+Q3BSd/1ZmrNrUi7o9fvsZIwYLfscf8APL2oMuuL97Xr3Hr5Nvj/ANFVej+4f94/zNSVf1ifl9y/yJdJd397/wAzM+0axn/kYbz/AL82/wD8apTNrC9fEN7/AN+bf/41V0f6t/xqCP8Ai/3atVJv/hl/kRypd/vf+ZCsmtsx/wCJ/e4H/TG3/wDjVOL60P8AmP3v/fm3/wDjVWYfuD8aWX/VmolXmnbT7l/kUqate7+9/wCZS87W2YBNfvjzyfJt/wD41UgOtnpr99/35t//AI1V2L/VD/dqSOj28720+5f5DVNd397/AMzPzrf/AEH73/vzb/8AxqmGTWw4X+3r33/c2/8A8arVbrUX/Lw3+7Ve1n5fcv8AIbpLu/vf+ZRDa1g51++/782//wAapVOtNn/if32P+uNv/wDGqvN0pJP+POT6GiNab7fcv8h+yj3f3v8AzKhXWzGDH4gvCSeCYrfA9/8AVVn6zfa9p3k+Tr123mbs74Lftj/pl71u23/HrH9KyPFXSz+j/wDstedm2LrUcDOpTdmrdF3XkdWEoQnWUZXt6vt6mL/wkXiT/oOXH/fiD/43R/wkXiT/AKDlx/34g/8AjdQUV8D/AG5mH/Pz8F/ke7/Z+H7fi/8AMn/4SLxJ/wBBy4/78Qf/ABukbxH4kUZ/tq5PIHFvB/8AG6hoo/tzMP8An5+C/wAh/wBn4f8Al/F/5kF74v8AFFtMETWpiCuebeD1/wCudVv+E38Vf9BmT/wGh/8AiKrav/x9r/uD+ZqjXdTzjHOKbn+C/wAj0aWVYRwTcfxf+Zr/APCb+Kv+gzJ/4DQ//EUf8Jv4q/6DMn/gND/8RWRRWn9sY3+f8F/kaf2Tg/5Pxf8Ama//AAm/ir/oMyf+A0P/AMRR/wAJv4rz/wAhqTH/AF7Q/wDxFZFFH9sY3+f8F/kH9k4P+T8X/mazeOfFKIWbWpAFGSfs0P8A8RVWb4ieKksxMNYdWb7itbQ88/7npVOsfVv+Ptf9wfzNaUs2xkpWc/wX+RvRyfBTlZw/F/5mx/wszxj/ANBf/wAlof8A4ij/AIWZ4x/6C/8A5LQ//EVzNFdn9p4r+b8F/kd/9h5f/wA+/wAX/mdN/wALM8Y/9Bf/AMlof/iKP+FmeMf+gv8A+S0P/wARXM0Uf2niv5vwX+Qf2Hl//Pv8X/mdN/wszxj/ANBf/wAlof8A4ij/AIWZ4x/6C/8A5LQ//EVzNS23/H3D/vr/ADoeaYpL4vwX+QnkeXpX9n+L/wAzof8AhZnjH/oL/wDktD/8RR/wszxj/wBBf/yWh/8AiKwtR/4/5Pw/kKrUo5pimk+b8F/kKOSZfKKfs/xf+Z03/CzPGP8A0F//ACWh/wDiKrXHxb8VwZH9sb3/ALq20P6/JWFWbq//ACx/4F/StaeY4mUrOX4L/I3pZDl0ppOn+L/zOutvix4yu1k2aoFZRxm3iIJ5/wBirI+JvjFUzJrK8ck/ZYgP/Qa5HT/+PCP8f5mpLn/j1l/3D/KiWZYnnspfgv8AIJ5Fl3O4qn+L/wAzql+KHi587NZVsYJxbwnr/wABpf8AhZnjH/oL/wDktD/8RXnNt/x9Rf74/nW23/H1H/uN/Naqpj8VB25/wX+RVTh3L4O3J+L/AMzv4fHfiqaFZP7XlXcM4NtD/wDEU/8A4TfxV/0GZP8AwGh/+Irnv+YT/wBsP/ZatV5Us3xt/j/Bf5HiyyjBp/B+L/zNf/hN/FX/AEGZP/AaH/4ij/hN/FX/AEGZP/AaH/4isiil/bGN/n/Bf5Ef2Tg/5Pxf+Zqp428WgfPrbE+1rCP/AGSob34g+K7aIFdXkLNwCbaHA+vyVQqrqP8Ax4Sfh/MVUM3xrkrz/Bf5GlPKcE5q8Pxf+ZbHxN8YZGdWyO+LaH/4ir6+P/FT2RnTWJB8pODbw9R/wCuJrTsv+QTcf8C/9BrpqZpi0rqf4L/I7K2SYBJNQ/F/5mqnxJ8ZyOETVdzHoBaw/wDxFWj4/wDGW63Kaq7JIqliLWE4z1/grJ07/jwj/H+Zq1WM85xalZS/Bf5HPUyvAqTSp7eb/wAzZm8ZeLY0TGtOGdQwzawnHP8AuU0+N/FfH/E4kP8A27wcf+OVm3P/AB9zf77fzrC1b/j7X/cH8zUUs2x09Pafgv8AIyo5NhKjScfxf+Z1o8b+Ldzbtabb/Di2hz+PyU7/AITfxV/0GZP/AAGh/wDiKyKKn+2Mb/P+C/yJ/snB/wAn4v8AzNKf4geJrcAy63IM5wBbQ8/+OVmt8UfFjTFItXIKjJBtoTj8dlFczXTRzXFyveX4L/I68Pk2AmneH4v/ADOxTx145aPd/aoX0U20WT/45VOX4n+L4VJfVxgEAn7NDjrj+7VbUf8Ajwk/D+YrjLj/AJDI/wB9P6Vrh8zxdW7c/wAEb4TI8DXu5Q/F/wCZ6PY/EXxbc3BSXV22hc/LbQg9R/sVfHjTxW0gRNZkYk4GLeHn/wAcrk9H/wCW3/Af61uad/yEI/x/ka46+cYyLdp7eS/yODE5TgoSdobeb/zOkHiHxJgZ1ycnvi3g/wDjdL/wkXiT/oOXH/fiD/43WTF/yG5/9wf+y1frzZZ3mC/5efgv8jyJZbh420/F/wCZP/wkXiT/AKDlx/34g/8AjdH/AAkXiT/oOXH/AH4g/wDjdQUVP9uZh/z8/Bf5Ef2fh+34v/Mn/wCEi8Sf9By4/wC/EH/xuj/hIvEn/QcuP+/EH/xuoKKP7czD/n5+C/yD+z8P2/F/5mzb6jrs9ukn9u3g3Dn9xb9f+/dSfbNe/wCg9ef9+Lf/AONVYorz3xFmd/4v4L/I8t4alfRP73/mc/rviHxNpUfmxa3cPGBk7raA/r5f+c1mW/jPxZdMoh1mQ7hkH7ND09fuVr+Kf+Qev+e61haN/wAtv+A/1r1aGe4+VDnc9fRf5HtYbAYWWG55Qu/V/wCZtDxD4kwM65OT3xbwf/G6p2/i3xPc3bKmtTeUv8X2eHPt/wAs6rW//IEP+4/9aNI/49G/3z/IU/7ax6Un7T8F/kV/ZuGjGTcdtN3/AJnR3Gp+I4rNZhrd1u43AwW/Gf8Atn61Ttdf8S3Uiout3AJYr/qIOxIz/q/atTUf+PCT8P5iszw//B/1wH9K4ocQZi6Tk6n4L/I86ng6Doym1qvN/wCZqfbNe/6D15/34t//AI1R9s17/oPXn/fi3/8AjVWKK5f9Ycz/AOfv4L/I4/qtLz+9/wCZX+2a9/0Hrz/vxb//ABqmS3niPaPI1653Z53wQYx+EVW6Ka4izP8A5+/gv8gWGpLo/vf+ZBY3evXMYL+ILokjOUht8dfeKrLNrg+7r19z0/c2/wD8aqaz/wBcf92r0f8AB9a/Qsgx+IxWDVSq7u76L/I461GCnpf73/mY8E2uyzXCPr95+6cKMQ2/PAP/ADyqRG1tnYHX73A6fubf/wCNVbtP+Pu9/wCug/kKfF95vqa+i9pK7227L/I5500mt/vf+ZQ8zW/MK/2/fYA5Pk2//wAapGfXgGI168I7Hybf/wCNVpd6avT8aw9vNdvuQ/ZLu/vf+ZQ3a92168Hpuitx/wC0qaZNeGD/AG7ebe5EVufy/dVpzfdX61Wf/j3T/f8A8ar28r2svuQnSVt397Kck2uq6BNdvSGPJ8m34H/fqp2OtKoz4gven/PG3/8AjVW+y064+4PpU+2n5fcv8h+zXd/e/wDMy4p9ckkZf7fvAB38m3/+NVMG1oxgnX77JGf9Tb//ABqpE+7N/uGrxpqtPl6fcv8AIPZru/vf+ZkmfWVYg6/fHnHEFuf/AGlQ8uthRt8QXi9yWht+B/36qyP9af8AeNK3+ol/3aj28/L7l/kHs13f3v8AzK6y606gr4gvSO58m3/+NU5TrZPPiC9/782//wAaq3b/AOoH1/oKkb7n41brTv0+5f5B7OPd/e/8yiTreDt1+9/GG3/+NUzzNbEgVvEN4Aen7i3/APjVaif6s/Som+8PrQ6012+5f5D9nHu/vf8AmZ4k11s7ddvhju0NuP8A2lSLLrhcD/hILwqe4ht//jVXJ+oqO0/1MX/XMfyqfbz8vuX+QvZx7v73/mV5LO+vJ7dr/U7q8W3k81I5EhVd21lydqA9GPetWKEbORuOeuKRf9WPwqxF/qxWc6kpv3ioxUdj/9k=)

**14. Practice: What is the unit of the pixel size? How much area does one of these pixels cover?**

# Part C: Reclassifying a Raster

*Summary: Take the symbology adjustment skills to the next level and make a new copy of your raster with values reclassified for use in models and more!*

[*GTCM*](https://www.careeronestop.org/competencymodel/competency-models/geospatial-technology.aspx)*: 5.2.19.3, 4.1.11.2, 4.1.6.7, 4.1.5, 2.3.5, 2.3.1, 2.4.2.2*

[Link to Video Walkthrough](https://youtu.be/57thQOvcyu8)

1. In the exercise above, we changed the color scheme of the grid to visualize potential habitat for the Pine Marten. This is useful for producing a reference map (if all we were interested in were elevation).
2. But, if we want to have this information stored to analyze, we’d need to create a discrete classification of elevation related to habitat preference. In this case, we’ll create a new raster grid where “suitable habitat” (between 500-600 m) = 1, and “unsuitable habitat” (everything else) = 0.[[10]](#footnote-10)
3. Under the Analysis tab, click on Tools and search for “Reclassify” in the Geoprocessing pane.[[11]](#footnote-11)

![Table

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAeAB4AAD/4REERXhpZgAATU0AKgAAAAgABAE7AAIAAAATAAAISodpAAQAAAABAAAIXpydAAEAAAAmAAAQ1uocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFNvcGhpZSBBcmdldHNpbmdlcgAAAAWQAwACAAAAFAAAEKyQBAACAAAAFAAAEMCSkQACAAAAAzUxAACSkgACAAAAAzUxAADqHAAHAAAIDAAACKAAAAAAHOoAAAAIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAyMDIwOjAzOjMxIDA4OjU3OjQyADIwMjA6MDM6MzEgMDg6NTc6NDIAAABTAG8AcABoAGkAZQAgAEEAcgBnAGUAdABzAGkAbgBnAGUAcgAAAP/hCyVodHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLjAvADw/eHBhY2tldCBiZWdpbj0n77u/JyBpZD0nVzVNME1wQ2VoaUh6cmVTek5UY3prYzlkJz8+DQo8eDp4bXBtZXRhIHhtbG5zOng9ImFkb2JlOm5zOm1ldGEvIj48cmRmOlJERiB4bWxuczpyZGY9Imh0dHA6Ly93d3cudzMub3JnLzE5OTkvMDIvMjItcmRmLXN5bnRheC1ucyMiPjxyZGY6RGVzY3JpcHRpb24gcmRmOmFib3V0PSJ1dWlkOmZhZjViZGQ1LWJhM2QtMTFkYS1hZDMxLWQzM2Q3NTE4MmYxYiIgeG1sbnM6ZGM9Imh0dHA6Ly9wdXJsLm9yZy9kYy9lbGVtZW50cy8xLjEvIi8+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczp4bXA9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8iPjx4bXA6Q3JlYXRlRGF0ZT4yMDIwLTAzLTMxVDA4OjU3OjQyLjUwNjwveG1wOkNyZWF0ZURhdGU+PC9yZGY6RGVzY3JpcHRpb24+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iPjxkYzpjcmVhdG9yPjxyZGY6U2VxIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpsaT5Tb3BoaWUgQXJnZXRzaW5nZXI8L3JkZjpsaT48L3JkZjpTZXE+DQoJCQk8L2RjOmNyZWF0b3I+PC9yZGY6RGVzY3JpcHRpb24+PC9yZGY6UkRGPjwveDp4bXBtZXRhPg0KICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICA8P3hwYWNrZXQgZW5kPSd3Jz8+/9sAQwAHBQUGBQQHBgUGCAcHCAoRCwoJCQoVDxAMERgVGhkYFRgXGx4nIRsdJR0XGCIuIiUoKSssKxogLzMvKjInKisq/9sAQwEHCAgKCQoUCwsUKhwYHCoqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioq/8AAEQgCAgF8AwEiAAIRAQMRAf/EAB8AAAEFAQEBAQEBAAAAAAAAAAABAgMEBQYHCAkKC//EALUQAAIBAwMCBAMFBQQEAAABfQECAwAEEQUSITFBBhNRYQcicRQygZGhCCNCscEVUtHwJDNicoIJChYXGBkaJSYnKCkqNDU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6g4SFhoeIiYqSk5SVlpeYmZqio6Slpqeoqaqys7S1tre4ubrCw8TFxsfIycrS09TV1tfY2drh4uPk5ebn6Onq8fLz9PX29/j5+v/EAB8BAAMBAQEBAQEBAQEAAAAAAAABAgMEBQYHCAkKC//EALURAAIBAgQEAwQHBQQEAAECdwABAgMRBAUhMQYSQVEHYXETIjKBCBRCkaGxwQkjM1LwFWJy0QoWJDThJfEXGBkaJicoKSo1Njc4OTpDREVGR0hJSlNUVVZXWFlaY2RlZmdoaWpzdHV2d3h5eoKDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uLj5OXm5+jp6vLz9PX29/j5+v/aAAwDAQACEQMRAD8A9v1zxDp3hy2juNWlaKKR9isqFvmxnHH0NYf/AAtHwr/z/Sf+A7/4VqeJfDNn4rht7HUZZ44o2MwMDANkDHcHj5jXP/8ACmPD3/P5qf8A39j/APiK76EcE4fvnJPy/wCGPPxEsap/uYxcfP8A4cuf8LR8K/8AP9J/4Dv/AIUf8LR8K/8AP9J/4Dv/AIVT/wCFMeHv+fzU/wDv7H/8RR/wpjw9/wA/mp/9/Y//AIiujky3+aX4f5HPz5n/ACx/H/Muf8LR8K/8/wBJ/wCA7/4Uf8LR8K/8/wBJ/wCA7/4VT/4Ux4e/5/NT/wC/sf8A8RR/wpjw9/z+an/39j/+Io5Mt/ml+H+Qc+Z/yx/H/Muf8LR8K/8AP9J/4Dv/AIUf8LR8K/8AP9J/4Dv/AIVT/wCFMeHv+fzU/wDv7H/8RR/wpjw9/wA/mp/9/Y//AIijky3+aX4f5Bz5n/LH8f8AMuf8LR8K/wDP9J/4Dv8A4Uf8LR8K/wDP9J/4Dv8A4VT/AOFMeHv+fzU/+/sf/wARR/wpjw9/z+an/wB/Y/8A4ijky3+aX4f5Bz5n/LH8f8y5/wALR8K/8/0n/gO/+FH/AAtHwr/z/Sf+A7/4VT/4Ux4e/wCfzU/+/sf/AMRR/wAKY8Pf8/mp/wDf2P8A+Io5Mt/ml+H+Qc+Z/wAsfx/zLn/C0fCv/P8ASf8AgO/+FH/C0fCv/P8ASf8AgO/+FU/+FMeHv+fzU/8Av7H/APEUf8KY8Pf8/mp/9/Y//iKOTLf5pfh/kHPmf8sfx/zLn/C0fCv/AD/Sf+A7/wCFH/C0fCv/AD/Sf+A7/wCFU/8AhTHh7/n81P8A7+x//EUf8KY8Pf8AP5qf/f2P/wCIo5Mt/ml+H+Qc+Z/yx/H/ADLn/C0fCv8Az/Sf+A7/AOFH/C0fCv8Az/Sf+A7/AOFU/wDhTHh7/n81P/v7H/8AEUf8KY8Pf8/mp/8Af2P/AOIo5Mt/ml+H+Qc+Z/yx/H/Muf8AC0fCv/P9J/4Dv/hR/wALR8K/8/0n/gO/+FU/+FMeHv8An81P/v7H/wDEUf8ACmPD3/P5qf8A39j/APiKOTLf5pfh/kHPmf8ALH8f8y5/wtHwr/z/AEn/AIDv/hR/wtHwr/z/AEn/AIDv/hVP/hTHh7/n81P/AL+x/wDxFH/CmPD3/P5qf/f2P/4ijky3+aX4f5Bz5n/LH8f8y5/wtHwr/wA/0n/gO/8AhR/wtHwr/wA/0n/gO/8AhVP/AIUx4e/5/NT/AO/sf/xFH/CmPD3/AD+an/39j/8AiKOTLf5pfh/kHPmf8sfx/wAy5/wtHwr/AM/0n/gO/wDhR/wtHwr/AM/0n/gO/wDhVP8A4Ux4e/5/NT/7+x//ABFH/CmPD3/P5qf/AH9j/wDiKOTLf5pfh/kHPmf8sfx/zLn/AAtHwr/z/Sf+A7/4Uf8AC0fCv/P9J/4Dv/hVP/hTHh7/AJ/NT/7+x/8AxFH/AApjw9/z+an/AN/Y/wD4ijky3+aX4f5Bz5n/ACx/H/Muf8LR8K/8/wBJ/wCA7/4Uf8LR8K/8/wBJ/wCA7/4VT/4Ux4e/5/NT/wC/sf8A8RR/wpjw9/z+an/39j/+Io5Mt/ml+H+Qc+Z/yx/H/Muf8LR8K/8AP9J/4Dv/AIUf8LR8K/8AP9J/4Dv/AIVT/wCFMeHv+fzU/wDv7H/8RR/wpjw9/wA/mp/9/Y//AIijky3+aX4f5Bz5n/LH8f8AMuf8LR8K/wDP9J/4Dv8A4Uf8LR8K/wDP9J/4Dv8A4VT/AOFMeHv+fzU/+/sf/wARR/wpjw9/z+an/wB/Y/8A4ijky3+aX4f5Bz5n/LH8f8y5/wALR8K/8/0n/gO/+FH/AAtHwr/z/Sf+A7/4VT/4Ux4e/wCfzU/+/sf/AMRR/wAKY8Pf8/mp/wDf2P8A+Io5Mt/ml+H+Qc+Z/wAsfx/zLn/C0fCv/P8ASf8AgO/+FH/C0fCv/P8ASf8AgO/+FU/+FMeHv+fzU/8Av7H/APEUf8KY8Pf8/mp/9/Y//iKOTLf5pfh/kHPmf8sfx/zLn/C0fCv/AD/Sf+A7/wCFH/C0fCv/AD/Sf+A7/wCFU/8AhTHh7/n81P8A7+x//EUf8KY8Pf8AP5qf/f2P/wCIo5Mt/ml+H+Qc+Z/yx/H/ADLn/C0fCv8Az/Sf+A7/AOFH/C0fCv8Az/Sf+A7/AOFU/wDhTHh7/n81P/v7H/8AEUf8KY8Pf8/mp/8Af2P/AOIo5Mt/ml+H+Qc+Z/yx/H/Muf8AC0fCv/P9J/4Dv/hR/wALR8K/8/0n/gO/+FU/+FMeHv8An81P/v7H/wDEUf8ACmPD3/P5qf8A39j/APiKOTLf5pfh/kHPmf8ALH8f8y5/wtHwr/z/AEn/AIDv/hR/wtHwr/z/AEn/AIDv/hVP/hTHh7/n81P/AL+x/wDxFH/CmPD3/P5qf/f2P/4ijky3+aX4f5Bz5n/LH8f8zp9E8Raf4ht2n0qR5YlYoXZCvzAAkYPPRhWpWL4e8MWfhSH7Dp0s8sUjPMTOwLZIQdgOPlFbVeZVUFN+z26XPUpOo4L2nxdbDF/4/o/+ub/zWoNZ1ddJgh2wtcXV1KIbaBTjzHPqf4QACSewHfpU6/8AH9H/ANc3/mtYnijNlrOh6xKD9jsppEuWAyIlkTaHPoAep7Zp0YqU0n/Wm3z2FWk4021/Xn8ty8IvEmEkN3pRO4FoPssgwM8qJPM64zg7OfQVevdTsNMRX1K9t7RXOFaeVYwx9Bk1h+L7u7sdF/tXTNVlhCtEqxosTxSBnAzlkJ5Ddj6VSiS/l+IusLFeWcE/2eH7Ot1atKxhwd2zEi4G/O7rzit40uePPJpJX/C2m3n59TCVX2cuSKben43138vLoda91bx2hupJ41twm8zM4CBcZ3Z6Yx3qKx1TT9TDnTb62vBHjebeZZNuemcHjpXGvpq6TL4ctL28hu9MXUJy7LHshSQhjGmNzYCvuABPBAFa+rBf+E+0I2gH2oRzfadvX7Pt43e2/GM980nQhsne93f0v/l8gVedrtWta69e39a7aGrPr+j2yg3OrWMIZmQGS5Rcspww5PUHr6Vamu7a2CG4uIohIcIZHC7jgnAz14BP0Fcl4MOlrpevtOYM/wBoXIvTJj7m5sbs/wAOCfbr71mWVt9p8P8Ag+K7jYwnUmaJJM/6oLK0YOe20Lx6Vbw0eZq70/yb/Qn6zLlvZa3/AAdv67eZ3Z1bThpw1A6haiyPS585fL64+9nHXin2d/Z6jAZtPu4LqINtMkEgdc+mR35rBvtn/Cx9O+37fI+wyfZN/Tz943Y/2tn44zVTUTOvjPVG0Rc3A0ZvtHl95s/uc/7WN2O+KzVGLWnVX8t/6176WNHWkm79Gl5621/Hb8TpG1rS01D7C+pWa3m4L9nM6iTJ6DbnOadJq2nQ362M1/ax3b4227TKJGz0wuc1l+Fjpv8Awhum/ZGhMRjTl8czcZz/ALe/8c1zWh6Zeat4Hu7afVdPtxJLN9uaWzZpopg5JZn80DcMAgkDA21aoQvLmbSTt/wdvw/Ej287RcVfmV/+Bv8A1rodxe6vpumui6jqFraNIMoJ5lQt9Mnmi91fTdNZF1HULW0aQZQTzqhb6ZPNc1q0N54dudQ8QW0lpqMH2dE1C3uPkf5E/gYZAzuBKEc+vNGr/adGutQ8TWH2W7tJbdBfWdzlJEVUOAjcgEhgShHP40o0IO1nv+emnlvu9GOVeavdWt+Xfz9FqvM6JJGXW7gvqkTRC3VhZbVDRcnMhbOcHpzxxSx63pUtxFbxanZvNMoaKJbhC0gIyCBnJGPSuf3iXxtqsigqG0SJgGGCMtJ2rIkt4bb4IWr28SxusUE6so5EhkU7vrz1q1h4ysm9+VffciWIlG7iv5n91vzud5e6nYaYivqV7b2iucK08qxhj6DJp1rfWl6GNndQ3AXG7ypA2MjIzj1BB+lYFgUb4j6t9tx562sH2IP18rB3lfbf1x7VB4NazbXPE507yzb/AG5ceV93d5Y3Y/4FmsnRSg31ST8tbf5mvtpc6XRtrz0Td/w+462iiiuU6gooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigArB1HxroGkXz2eo3rQTp1RreX8wQuCPcVvVk614a0vxA1u2p2/mNbuGVgcEj+6T3U+lAFzTtRttWsUvLF2kgk+47Rsm73AYA496zPGkkCeFLpbl41SRkTDkAN84yOfYH8q3FVUQKihVUYAAwAKbJFHMu2aNZFznDLmgDgvDP9mW3xS1aHS2tkt3tUEKQMNrHCk7cde5/OvQKztJ0eDS4GRRG7maWUSCMKRvdmx+AbH4Vo0AcPruv3vg7VZl88ahb3+6WGKeQ77Vye5/55fy6Cul8P2tzbaUrX1+1/cXDee8u7KAsB8qDso7D8e9FroFjbXl9durXM98T5r3BDnYf+WY44Qen55qTSNIg0Sza0s3maDzGdElfcIgf4V/2fY56mgCab/j8j/65t/NadTZv+PyP/rm381p1ADF/wCP6P8A65v/ADWrVVV/4/o/+ub/AM1q1QBmR+G9DhnWeHRdPjlRgyyLaoGU9cg461ZvtL0/Uwg1KxtrwR52C4hWTbnrjI46Vaoq/aTbvcj2cErWIDZWpsfsRtoTa7PL8gxjZt/u7emPamWOmWGmK66bY21ornLi3hWMMffA5q1RS5pWtcfLG6dtjmdE8L2y2lwNc0y0uJjezyxNNEkhVHkLDBIOPpXRS28MzxvNDHI0Tb42dQSjYxkehwSM+9SUVU6spu7ZMKUYKyRDd2drf25gvraG5hJBMc0YdSR04PFJZ2Npp8HkWFrDaxZ3eXBGEXPrgVPRUczta+hfKr3tqUhouljUPtw02zF5u3faPIXzM9M7sZzSTaLpVxfC9uNMs5boEMJ3t1ZwR0O4jPGBV6iq559yeSHYpS6Lpc98L2bTbOS7BDC4eBTICOh3YzxiiXRdLnvhezabZyXYIYXDwKZAR0O7GeMVdoo559w5IPoRG0tzcPOYIjNInlvJsG5l/uk9xyePemHT7NrEWTWkBtAAogMQ8sAdBtxjjFWKKnmfcrlXYyNWgiu5xFfeH11SBFDRuRC+1jncNshGOg5Gc57YpnhvSZtPS9ubyOKG4vpxK0EJykKBQqIDxnAXkgYyfStqitPay5ORbGfsouam+gUUUVkahRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBWm/wCPyP8A65t/NadTZv8Aj8j/AOubfzWnUANH/H5H/uN/SrNVh/x+R/7rf0qzQAUVhHUb/V2kbSZIrKwiZla+lUOZSOD5a5xtBB+Y/gO9NhTWPs63mmazb6vEeRHLGirIPRZE4B+oIoA36KqaZqUWqWfnRK8bK5jlik+9E46qff8A+sat0AFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFZ994g0bTLjyNS1axtJtoby7i5SNseuCc4oA0KKZFLHPCk0EiyRSKGR0bKsD0II6in0AFFI7rHGzucKoJJ9BUNjfW+pWEF7ZSebb3CCSN9pG5T0ODyKAJ6KKKACiq9/fW+mafPe30nlW9uhkkfaTtUdTgcmoL3W7DT4LeW5mf/SjiBIoXkkl4z8qKCx45PHHegC/RSKwdAwzgjIyCD+RpaACiiigAooooAKKKKACiiigAooooAKKKKACiiqGran/AGdbp5UXn3U7iK3gBx5jn37ADJJ7AUAX6K5bV4jpekS6r4j1e+YIRujsHMSJkgAKBgnr1Yn+lWZXvvD8Yu/tUuo6XwZln5mgX++rAfMo6kHnHOe1AGvN/wAfkX/XNv5rTqZI6vcwujBlaJiGByCMrT6AGj/j8j/3W/pVPxRNJb+FNTlgJV1tXww6rx1/DrVwf8fkf+639KmmhjuLeSGZQ8cilHU9wRgigDiPiDcXemaBYadpVpmxmdIJGR9vyjgR5/h3etOsde8VQ/Z7ZPCCwW6lU+WYYRen6Cr8xjsdLk0XxNFJLp5Uxw3wUurJ/CHwMq4GOTwcZz2qay8QaXaafFZaXeTa1PGoSNYsSO3puYAKv1OKALNuBD42vkiGFmsoZZQP74d1B+pAx/wEVtVmaPYT2/2i81Aq19eMGl2HKxqOEjX2APXuST3rToAKKKKACiiigAooooAKKKKACiiigAooooAK4q71WTSPH+s3K6ZeX6Jplu8gtfLJQBpTkhmUn/gOTXa1mwaR5Pia81fz932m3ig8rZ93YWOc55zu6Y7Uf1+A+n9d0cXZ6jNoWkaRp1pdbP7ZnnvfOsLV7kW8BO/ZEgQnPzKMlMD5iRV8eKNS0zT9ZkdLy+itkiNlc39k1q0jyNs2MNiAhWwcgDg/jVtfBL20yy6bqf2ZrW7e508NBvW3Eg/exMNw3xtyQBtIPetOfRJ9W0e8sPEN5HdJcgKPssBgEWOQy5Zzuzg5JxwOOuToLqJDp2pWtrLLqGtz3pNu4khaGJIwxHVNqhgByMFm61i6NdxWvw38P+brDaXvtogDDGsk0x2fcjVlbJzjgKx449a3bPT9YRTFqWrwXcPktGNll5TsTgB3beQTjPChRzWfF4Rns7PQhYaikd5o8LQJLNbl45UZQrZQOCDwCCG4x3o7/L9Q7fP9DNtPEesvo/iKOx8/ULrTZUFtJcWbRzOjqGO6LamWUE4AUbsD15nj1m4fwzqV94c1qbX7iNVCwTW6ebAwYhsxoiNnGSFYZJX3rQsPDmo6c+q3MWsrJfajLFKZZbXKRlQAV2BhlSAQBkEDuSMlbfw9fwXl/qf9pwf2reLFH5qWZEKpGc48veSScsCd/cYxigDLk1wr4M1vU9H8Sy6nJb2zFPPhiWS2kXdncgRcZx0Ze3vS61a3N34z8MSLql1bmWKcgRJEdhEYJI3IevfOfbFXJ/B8t9b609/qEbX2rWwtWlgtjHHGiggEIXJJ+Y5Jb0AxWnPonn6vpF99o2/2aki7NmfM3oF654xjPen1/rzF/X5GA3iHVLLw9rdvcSedq9neG1tXKKDJ5pHkNgDHRxnj+E12FukkVrEk8pmkVAHkIALnHJwOBn2rjxbWuu/EqO90+fz7SxgDXbRMGie4UsI1yP4lV3JGePlzXaUl8P8AXT/Pcb3/AK6/5BRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABWLd5/4TOw3AECxuDCGOAX3R5/T9M1tVQ1fTTqNvGYJfIu7dxLbz4zsb3HdSMgj0NAHAeN73xXP4Vuk1fSLS2s9yb5Yp9zD5xjjPriuk0q/8VTTQx6vo9jDp7J+9lFxkhdvXGTUXiF5tZ8Pz6RrFhfWk0hXM1nbNcxttYHK7ecHHQgEVekW91+BbJLaaw0zAWeS4G2ade6Ko5UEcEnBwTgd6AF8Nbv+Ed0ffn/jz+XP935dv6YrZpjosdxCkahVWJgqgYAGV4p9ADR/x+R/7rf0qzVYf8fkf+639Ks0AFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAFab/j8i/65t/NadTZv+PyL/rm381p1ADR/x+R/7rf0qzVYf8fkf+639Ks0AFFclea5rkviXWdP0uTT4otNtY51+027uZSyk4LCRQo+Xrg9atWnjXTpPD9lql6lxbi5thcukdtLOIV7lmRDgcHk4zg0dL/1/Wgdbf10/wAzo6Kx5/Fmi291b2zXhkmuoBcQRwQySmWMnG5dinPrx2yegzTpfE+lQahHZzzyxSSTeQjvbSrE0n9wSldhPBGM9RjrQBrUVgT+N/D9rLOk98yC2n+zzyfZpfLhkyBhn27V5PUnHvxVzT/Eel6ndS29pcMZYoxMyywvFmMkgOu8DcvH3hke/NHmBp0VjW3izRry7jtre6cyTK7wFreRVuAv3vLYqFk9flJyOaq6B4zs9atdRuJoZLCOxnkjeSdHVNiH7xZlUA+q9R3oA6Oise38V6PcmdUuJI3t7f7S6T20sLeVz86q6gsvHVc/rUcfjHQ5tPS9iupHt5GRInW1lPnM3RYxty565C5Iwc4xQBuUVXsb2HULVbi28zy2JGJYniYEHBBVgCOR3FWKACiud8OX2t6xbpf3N1YJatNKht47Nw+FdkH7wykZ+UH7tWbfxbot3PBFBeM32iQxRSeRII2k5+TzCu0NwflJz7UAbNFZ517TRo7aobj/AERXKF/LbO4Ps27cbs7uMYqlFrtnp9vfXOp6uJYFvzbqzW5QQMcARcD5sE/e9/agDdorJl8TaZCsO9rrzJ1Z0t1sZmm2g4LGIJvVc9yAOnrSy+JtIhtbS4a8DR3oJtvLjZzKQOVVVBJb/ZxnPGKANWisg+KdGXTFv3vNlu0/2bc8bqyy5xsZSNynI6ECoW8Z6IkcrNcXG6DmaH7FN5sIxnc8ezcq4P3iAPegDdorNvPEOm2Ii82d5TNH5qLbQvOxj/v7YwxC/wC10qOfxPpFu8KG6aV7iEXEKW8LzNLGf4lCAkj6dOtAGtRXO3XjTT4bjSRbJPeW+p7ik9vBLIFUKT0VDk5GCvBHU9K0Idf0+fUjYwyTPKJGiLrbSGLeASV83bsyMHIznII60AaVFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUViXmrTSCdrSWK2tbckSXci78kdQq+3TNXCDm7Iic1BXZt0Vy1jrN3LPtt7xrp9m8QXNt5JkX1Rhj+VdFZXkd9aJPFwG4KnqpHUH3FVUpSp7kU60amw2b/j8i/wCubfzWnU2b/j8i/wCubfzWnVkbDR/x+R/7rf0qzVYf8fkf+639Ks0Ace/hL+0vHGs3eqwTHT7m2gjj8u7eNZSAQysqMNw5HDDFQ+I9J1m41GW1tLS5m0j+zzFaQWN2tqkU3I/eYZWK4xgDIA/hrQu/Gv2W8mt/+Ea8RTeTIyebDYbkfBxuU7uQeoNQ/wDCef8AUqeJv/Bd/wDZVv8AVarW39f0zn+t0VLf8yl4Y8Oanp+u6Lc3tr5cVroItJW8xTsm3g7eDzwDyOPes7UtB8S6ncL9utLy5uItYSdZ/tyLbC2VxtCxBx8wHXcuevzHpW9/wnn/AFKnib/wXf8A2VH/AAnn/UqeJv8AwXf/AGVV9XrXTt/V7/15E/WqFrc359rGTfeF9Xm8JeL7OKzzc6lqTz2qeYg8xCUwc5wOh4OK0NZ8M32qeJ53jQRWk2gy2Hn7hhJGcYG3OcY9sVN/wnn/AFKnib/wXf8A2VH/AAnn/UqeJv8AwXf/AGVT9Vq2tb8u1h/XKN73/Pun+hT8PaA8cmkrqmg6il1YD/j5n1YzQRsqld0aeaTzxwUXAJ9Oar+FdXufC/iPRGtjDJc6hJe21x5q+VMDIrheDvU/LjkDHrWt/wAJ5/1Knib/AMF3/wBlR/wnn/UqeJv/AAXf/ZVTw1Zu9vy8v8hLFUF1/P8ArqVE0Fru3u5v+Ef1K2vzp00KS3+q/aMM648tMyvwT3O3oPXiWXQZD4H0PTr3Sr2e5tIYwW0+6SKa0lEeN6sXVSQSR1I9jU3/AAnn/UqeJv8AwXf/AGVH/Cef9Sp4m/8ABd/9lS+rVe39a/5h9bo/zfn/AF0NXwvFq8OgxJ4gkMl0HbaXKlxHn5A5X5S4GMkcfXrWvWfour/2zZvcf2ffWG2Qp5V9D5TngHcBk8c4z7GtCsZJp2Z0QkpRvHY4zwrpA0uWMXfhMx33nzM2phbY8M7EHcJPM+6QOmalGh6gPBul2K22Lm3v4ZpEDr8qrcb2Oc4+7k8V11FTtbyK7+Zyw0G8Hilowg/sZ7kaizbh/rwu3y8dcbgJM9Miq8ug6i9vOn2bJfxCl6oLrzCGQ7uvseOvtXY0ULRp/wBdP8kD1/r1/wA2c9dW9/pviufVrbT5NRgurSOBkgeNZYmRmIP7xlBUh/XOQOKqaVoF/aX2l3FxEmVuLy5nVHBEBmJKqPXGcZA9a6yigHr/AF8jjptB1F7y4YW2Y38QQ3q/OvMSxoGbGfUHjr7VpRaVcL4j166aAeTeWsMcT5X94VVwRjr/ABDrW/RStePL/WyX6Dv71/63ucDD4avrKawubmw1C7U6VBayxafqJt5IZI89cSorqdx7nBHA5rd0nRWsNatpYbP7NaR6YIApm8wxv5m4puJyfrXQ0VV9b/1rf/Mm2lv60t/kcVa6Nqmn2+jz/YJJ3stRu5ZLeKSPd5crS7WBZgvRl4znB9sVasrLUrfxIr6dp95p1nJPI96k9zHJbzA7sPGoZnVyxB4CjrnJxXV0UhvUKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigCOff8AZpPK+/sO3HrjisXTLa2u/DdrBLGJIXiXcrdz1OfxrerIlsbuxmkl01Emhkbe1szbCrHqVPTn0Nb0pJK2xhVi207XM/TWbVtUOolPKt7XdBbpj5m6ZY+3oK0dF/4/dU2Z8v7SMZ6bti7qpafa6ylu1uUkj3MWNxdyrIyg9gFJz+JFbllaR2NokEOcLyWPViepPua1rSVmkY0ISum0Nm/4/Iv+ubfzWnU2b/j8i/65t/NadXGdo0f8fkf+639Ks1WH/H5H/ut/SrNABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBWm/wCPyL/rm381p1Nm/wCPyL/rm381p1ADR/x+R/7rf0qzVYf8fkf+639Ks0AFRzXENvs8+WOLzHEab2A3MeijPUn0qSuf8W/c0b/sL2/8zR1S80HRs6CiuJfVNYhjm1N9TYwwaz9jFoII9jwmYR/Mcbtw3ZBBHQZB5NLc6hrI0zXtVXWPKXSrmbybYQx7HSMBtkhI3c9AVKkZ70LVX/rp/mO2tvl+f+R2tFcnea7fx6R4quEm8p7BA1tlVPlE26P3HPzMeuak0u1n/wCE/wBVnbULl1+y2zGErHsOfNwOE3YHUc555zTJvpf+v61OoorBuJr6fxn9jj1B7Wyhs0uXSONCZG8xhgllOFIHOOeOCOayLDXdQk17TWguL+60/UmlEcl3BBHEwCF1aILiUD5cfODkHOehKWquN6Ha0V53qVxqF34Q1q21bU76DUorPzbizkt4VVev+rYIQ0Z6Z3MwwMkHNaV/f6wNY/sawk1WcWtok0lzapaebIzswG7zdqbQFP3VyfUdwP6/L/M7KiuWsLnXb3XLS11C5awMenxXN1BCkbbpd7ArkhsKcc4OemCOtdTQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAVpv+PyL/rm381p1Nm/4/Iv+ubfzWnUANH/AB+R/wC639Ks1WH/AB+R/wC639Ks0AFUdSSxme2jvopJWjlFxCsaOxDIRhvl9Nw68c1eqv8A8xy3/wCveX/0KOgDOe00mS1e2eyujFJcfamX7PPzLvD7s4/vAHHSsu08P6abq9uNStruVp71rkIkdyI3GQU8xAArkEdwe1do7rGjO7BVUZZicAD1pI5UmiSWF1kjdQyOpyGB6EHuKFo9P6/qwPX+v67nMajo2harPNLf2F5IbhBHMqxXKJKBnG5FwrEZ4JBI4wRgVb8rThqo1Jbe+S6EYiLJDcKrqM4DKBtbG44JBxnit6igDG32P29r37NdfaHiELObWblASQMbcdSazbbQ9BtJ4ZobC+L2+7yPMS5cQhlKlUDZCqQfujA6ccCt601nTL+7ltbHUrS5uIc+bDDOrvHg4OQDkc8c0y31/R7u/Nja6tYz3akg28dyjSAjqNoOeMc0AZEOk6JDa3Nv9jv5o7mLyZftCXMxMfPyBnyQOTwCKSbSdHnW33waoJLdDHHOjXaTbCclTICHYZ7EkVuwatp1zfy2Ntf2s13CMy28cytJH/vKDkde9WIJ4rmFZraVJonGVeNgysPYijcDFt0061uFnt7S6SRYFtwfs0xxGpJC9Pc89at/2hF/zyuv/ASX/wCJrSooAzf7Qi/55XX/AICS/wDxNH9oRf8APK6/8BJf/ia0qKAM3+0Iv+eV1/4CS/8AxNH9oRf88rr/AMBJf/ia0qKAM3+0Iv8Anldf+Akv/wATR/aEX/PK6/8AASX/AOJrSooAzf7Qi/55XX/gJL/8TR/aEX/PK6/8BJf/AImtKigDN/tCL/nldf8AgJL/APE0f2hF/wA8rr/wEl/+JrSooAzf7Qi/55XX/gJL/wDE0f2hF/zyuv8AwEl/+JrSooAzf7Qi/wCeV1/4CS//ABNH9oRf88rr/wABJf8A4mtKigDN/tCL/nldf+Akv/xNH9oRf88rr/wEl/8Aia0qKAM3+0Iv+eV1/wCAkv8A8TR/aEX/ADyuv/ASX/4mtKigDN/tCL/nldf+Akv/AMTR/aEX/PK6/wDASX/4mtKigDN/tCL/AJ5XX/gJL/8AE0f2hF/zyuv/AAEl/wDia0qKAM3+0Iv+eV1/4CS//E0f2hF/zyuv/ASX/wCJrSooAzf7Qi/55XX/AICS/wDxNH9oRf8APK6/8BJf/ia0qKAM3+0Iv+eV1/4CS/8AxNTQTx3MIkiJKkkfMpUgg4IweRyDVys3T/8Aj3k/6+J//RrUAWqKptcXMt1LDbJGoiIDSSEnOQDwBj19aUS3yZV7eOX0ZJNoP4HNY+2jfZ/cyuVluiq9tcvNJKksXlPGQCN27ORmrFaRkpq6E1YrTf8AH5F/1zb+a06mzf8AH5F/1zb+a06qENH/AB+R/wC639Ks1WH/AB+R/wC639Ks0AFV/wDmOW//AF7y/wDoUdWKr/8AMct/+veX/wBCjoAwdRn1HVm8Q/ZtUayh00GBIFhRllPkh2aQsC2Dvx8pXgHms231XVpo9O0nSo9RWO30i2neSwW1LszqQAfPYDaNh+6MknqMc9Xf+GdK1K7kuLy3dnmQRzBJ5I0mUZwJEVgr9T94Gi48M6XcLahoZomtIfIhkt7mWGRY+Pk3owYjgcEnpmktvu/X/MHv/Xl/kYkc/iLUdStLG5v30ib+yhPcLBFE7Cbft4LBhj1HPbB71HomqaxL/wAI5fX2o+emsIyzWohRY4z5RdWQgbgfkwcsQdxxjiupg0uztriOaCHbJHbi2U7icRg5C9f161HFoenQ29jBHb4j08EWy72/d5Up68/KSOc0+n9d3/wA/r8P8zIgVNb8RWF3psCx6dpPmot0BtE7FdhjjHdBjJboSoAzgkQQtqnhaey02We2vrS9kuFhZIGjmikw8wzl2DjhhwF7da1dP8LaZpbQ/YTfxpAMRxHUrho1HTGxnK49sVJYeG9M026W5toZWljQpG09zJN5SnqE3sdgPH3cdBSaurB1ucvZxRJ4e8DTWw/ftPGd4+82+B2lyevJyT7il+H2pXWqWtvbJObO20yEI9sUXzLosMiQ5GRGOQNvJIOTgYPT2fhzS9PvvtdpbMko37AZnZItxy2xCSqZPXaBmnQ+HtMt5LJ7e3MT2KGOBklcFUPJUnPzLkA4bIyM1V9W+4uhpUUUUhhRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABVe/t57rT54LS8ksZ5EIjuY0V2ibswDAqfoRViigDhvAGjeP7G5vZvH/iePUlEjR2tvb20KKyDpIxVAQT/AHc8V0+n/wDHvJ/18T/+jWrSrN0//j3k/wCvif8A9GtQBh6xfy211cRW8jRu0oYlTg42LWRNd3FwAJ5nkA6BmzXY3GkWN1O008G6RsZO9hnjHY1F/YOm/wDPt/5Eb/GvnMTluLrVJNTXK29Lvv6HXCtCKWhjeGYPM1F5T0jTj6nj/GuqqvaWFtYhvssezfjd8xOcfWrFergcM8NQVOW/UwqT55XRWm/4/Iv+ubfzWnU2b/j8i/65t/NadXcZjR/x+R/7rf0qzVYf8fkf+639Ks0AFQz2kVxIjyeYHQEK0crIcHGR8pHoPyqasvXtWm0m1tmtbWO5mubqO2RJJjEoL9ywVjj8KALX9nxf89br/wAC5f8A4qj+z4v+et1/4Fy//FVT0vWJrm5vrTU7WOzubHY0nlz+bEUZchg5VT2IIIGMVbs9W07UbeS40+/tbqGM4eSCZXVTjPJBwOKAF/s+L/nrdf8AgXL/APFUf2fF/wA9br/wLl/+KqjJ4m0+SO1k0u5ttRSa7S1Zre4VxGWBOSVz6dKuDWNMOpnThqNob4dbXz183pn7mc9OelADv7Pi/wCet1/4Fy//ABVH9nxf89br/wAC5f8A4qkXV9Ne/ksU1C1a7hXdJbiZTIg9Sucgcj86Ww1Ow1SFpdMvra8jVtrPbzLIAfQkE80AH9nxf89br/wLl/8AiqP7Pi/563X/AIFy/wDxVYsPi+K91HU7bTn02RNPwpebUQhd/l7BGwmW27s/eGMVs3WradY3ENvf39rbTznEUU06o0hzj5QTk88cUAL/AGfF/wA9br/wLl/+Ko/s+L/nrdf+Bcv/AMVUMGqpLqWpW0qLElgELSs/BDLuJPpj61BZeI7HUtZWy02e3vIjbtMbi3nWRQQyrt4zz82etG7sHS5d/s+L/nrdf+Bcv/xVH9nxf89br/wLl/8AiqtUUAVf7Pi/563X/gXL/wDFUf2fF/z1uv8AwLl/+Kq1RQBV/s+L/nrdf+Bcv/xVH9nxf89br/wLl/8AiqtUUAVf7Pi/563X/gXL/wDFUf2fF/z1uv8AwLl/+Kq1RQBV/s+L/nrdf+Bcv/xVH9nxf89br/wLl/8AiqtUUAVf7Pi/563X/gXL/wDFUf2fF/z1uv8AwLl/+Kq1RQBV/s+L/nrdf+Bcv/xVH9nxf89br/wLl/8AiqtUUAVf7Pi/563X/gXL/wDFUf2fF/z1uv8AwLl/+Kq1RQBV/s+L/nrdf+Bcv/xVH9nxf89br/wLl/8AiqtUUAVf7Pi/563X/gXL/wDFUf2fF/z1uv8AwLl/+Kq1RQBV/s+L/nrdf+Bcv/xVH9nxf89br/wLl/8AiqtUUAVf7Pi/563X/gXL/wDFUf2fF/z1uv8AwLl/+Kq1RQBV/s+L/nrdf+Bcv/xVH9nxf89br/wLl/8AiqtUUAVf7Pi/563X/gXL/wDFVNBBHbQiOIEKCT8zFiSTknJ5PJNSUUAFFFFABRRRQBWm/wCPyL/rm381p1Nm/wCPyL/rm381p1ADR/x+R/7rf0qzVYf8fkf+639Ks0AFc/4vsZNRtdMgSOd1/tKBpDAzKyICctuXBXHqCMV0FU7qW6+3W9taNChkR3ZpULfd29MEf3qOqDocdqmk38Gm6votrBdzI8sV5HcqvmSXEO9d8TSPkPIoUgB85XaOcGkvNLbUNP1C6s5NZ1KVhbLcRX1mtsZ4Ul3tGq+XHuO3cOcj5sZ5Ndp9n1X/AJ+bP/vw/wD8XR9n1X/n5s/+/D//ABdC0Aw9QuF1f+zpbCyvFEWpQmRprOSE7QG5w6g4GeuMc9axb/8AtS+1GBZYdQWSHWY3+ywaeFt0iEvEplKEuxXklX/i5UAGu2+z6r/z82f/AH4f/wCLo+z6r/z82f8A34f/AOLoWjv53/L/ACE9Vb5fn/mch5GZNR05LXUJ9InjunuY5LB0mt3djnyZNoEobcxAG4++MCtzwvNezQ3Qu1eSKOQJb3Uto1tLMgUffjYA5ByM4UHsBWn9n1X/AJ+bP/vw/wD8XR9n1X/n5s/+/D//ABdCG9TmNQsbt9N8UKlrMzT38TxARkmRQkAJX1HB5Hoap6npsp1zXYtTn1pLfUtgiFhZJPHNF5YXyyxicoQ27qVHzZHc12f2fVf+fmz/AO/D/wDxdH2fVf8An5s/+/D/APxdH+VhnJ6rpd4y64sVrNcxeZZOUZcm5jj2mRR2YkAjHc8d6v2Ei3/jw6hbafdQwf2aYmuZ7V4d7CQELhwDwPUd+M4Nbv2fVf8An5s/+/D/APxdH2fVf+fmz/78P/8AF0db/wBbWJtpYtUVV+z6r/z82f8A34f/AOLo+z6r/wA/Nn/34f8A+LoGWqKq/Z9V/wCfmz/78P8A/F0fZ9V/5+bP/vw//wAXQBaoqr9n1X/n5s/+/D//ABdH2fVf+fmz/wC/D/8AxdAFqiqv2fVf+fmz/wC/D/8AxdH2fVf+fmz/AO/D/wDxdAFqiqv2fVf+fmz/AO/D/wDxdH2fVf8An5s/+/D/APxdAFqiqv2fVf8An5s/+/D/APxdH2fVf+fmz/78P/8AF0AWqKq/Z9V/5+bP/vw//wAXR9n1X/n5s/8Avw//AMXQBaoqr9n1X/n5s/8Avw//AMXR9n1X/n5s/wDvw/8A8XQBaoqr9n1X/n5s/wDvw/8A8XR9n1X/AJ+bP/vw/wD8XQBaoqr9n1X/AJ+bP/vw/wD8XR9n1X/n5s/+/D//ABdAFqiqv2fVf+fmz/78P/8AF0fZ9V/5+bP/AL8P/wDF0AWqKq/Z9V/5+bP/AL8P/wDF0fZ9V/5+bP8A78P/APF0AWqKq/Z9V/5+bP8A78P/APF0fZ9V/wCfmz/78P8A/F0AWqKq/Z9V/wCfmz/78P8A/F0fZ9V/5+bP/vw//wAXQBaoqr9n1X/n5s/+/D//ABdH2fVf+fmz/wC/D/8AxdAFqiqv2fVf+fmz/wC/D/8AxdLp88tzZiSfZ5m90OwEA7XK9yfSgAm/4/Iv+ubfzWnU2b/j8i/65t/NadQA0f8AH5H/ALrf0qzVYf8AH5H/ALrf0qzQAVUf/kPWf/XGb+aVbqo//Ies/wDrjN/NKAILbXWS81uDUxHH/ZhEysgI3W7JuDHJ65Vwf92sm98V6rZ6FpVy1lC97PAb28hCtiK2XBfHP3wHUDPBINTeKdDv9R1S1bTo1a3vEFnqRLhSsG8PuGevG9cD/np7Up8P6hqXiDU7+5v7zTYmVbS3jgEDiSEDJYh0fGWZuODgDNJXt/XT/PT8R6X/AK/rv+Bp3uryQa7o1pbiN4NQ83e5BJwse4FTnH86kTUZm8VS6aVTyUs0uA2Du3F2XHXGMKO1cxa6brmmjQPN024vxo8tzBmKaHfLCV2xP8zqORjIzng8Vqzf2lFrkOtwaPdSrNaG2nsxLCJoiHLK3L7COWzh88jjrh6c2m3/AANCdba7/wDBIrzxDqQW7jtPsscserxWETyxM6hHVDuKhhk5c9CK37CPUI4WGqXNtcybvla2tmhAHoQzvk++a5O90K/utEllvNKF3Jd6vHfTacGjbEQ2jYS7BGbagJGcZJAJ610WgwwW9m8VpoJ0OMPnyCkKhzj72ImYe3PPFC+HX+tF+txvf+u7/SxqUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABWVpP/AB4H/rtN/wCjGrVrK0n/AI8D/wBdpv8A0Y1AEk3/AB+Rf9c2/mtOps3/AB+Rf9c2/mtOoAaP+PyP/db+lWarD/j8j/3W/pVmgAqhdy/ZtWtJ2imeNYpVJiiZ8ElMZwPY1fooAr/2zB/zwvP/AAEk/wAKP7Zg/wCeF5/4CSf4VYooAr/2zB/zwvP/AAEk/wAKP7Zg/wCeF5/4CSf4VYooAr/2zB/zwvP/AAEk/wAKP7Zg/wCeF5/4CSf4VYooAr/2zB/zwvP/AAEk/wAKP7Zg/wCeF5/4CSf4VYooAr/2zB/zwvP/AAEk/wAKP7Zg/wCeF5/4CSf4VYooAr/2zB/zwvP/AAEk/wAKP7Zg/wCeF5/4CSf4VYooAr/2zB/zwvP/AAEk/wAKP7Zg/wCeF5/4CSf4VYooAr/2zB/zwvP/AAEk/wAKP7Zg/wCeF5/4CSf4VYooAr/2zB/zwvP/AAEk/wAKP7Zg/wCeF5/4CSf4VYooAr/2zB/zwvP/AAEk/wAKP7Zg/wCeF5/4CSf4VYooAr/2zB/zwvP/AAEk/wAKP7Zg/wCeF5/4CSf4VYooAr/2zB/zwvP/AAEk/wAKP7Zg/wCeF5/4CSf4VYooAr/2zB/zwvP/AAEk/wAKP7Zg/wCeF5/4CSf4VYooAr/2zB/zwvP/AAEk/wAKP7Zg/wCeF5/4CSf4VYooAr/2zB/zwvP/AAEk/wAKP7Zg/wCeF5/4CSf4VYooAr/2zB/zwvP/AAEk/wAKP7Zg/wCeF5/4CSf4VYooAr/2zB/zwvP/AAEk/wAKP7Zg/wCeF5/4CSf4VYooAr/2zB/zwvP/AAEk/wAKP7Zg/wCeF5/4CSf4VYooAr/2zB/zwvP/AAEk/wAKP7Zg/wCeF5/4CSf4VYooAr/2zB/zwvP/AAEk/wAKP7Zg/wCeF5/4CSf4VYooAr/2zB/zwvP/AAEk/wAKi0kMNPBdHQtLIwV1KnBkYjg+xq7RQBWm/wCPyL/rm381p1Nm/wCPyL/rm381p1ADR/x+R/7rf0qzVYf8fkf+639Ks0AFc342uDb6bYZluoopNRhjl+yNIJGQk5UeX85z6DmukrP1bS/7UWyHneV9lu47n7u7dsP3eoxn1o6r1X5h0fzOdsNbg0bTNX1Q3NzLo8cqR2q3szGQS/cdSZTuUb8DD4xhjwMVLbePbaSG981bS4nt1jMaaZerdJMZG2IgbauG3cEEdCDk84u6h4VF7dX7xXrW8V55cuxIwTHcxkFJgScdFUFSOdo5qS50S/1PTJ7bV9TieRmje3ltLXyvIdG3K+Gd9x3Ad8YHSj1Araje6sF077dbx2LtqUKf6LdtKsiENkElEP4YxS33iz+zfEEGn3cViqTzpCirfg3PzcK/k7fu59GJxzjtVp9H1C8S2/tTUYJXt7uO4UwWhiXCg/Lguxyc9c/hVAeELlZDEmpxpZ/2iNR8tbTEkj+ZvKu+7DDsCFBGF5OMEW+vf/L/AIInt8v8/wDgEsfiuWSLVLsWEbWOnGZZPLut1wGjzw0W3C5wSPmPGDjmg6zPc2Gnz31rCEur2JIXsNSZ0YMCQ25VXcARgrjB96e3h6+k1htTk1K2F3HDJDbTRWW1wrHIEp3nzAuOAAvc0y28JmJjNLdQiaTUEvpRbW3lRMyrjATccE9S2Tk0Lpfy/PX8Bvrbz/LQyTe3y3XiS91WJ3htpkto47fVJk2qREcBVVQD827f97kr05roH1m9n1W5s9H0+K6jsmVLmaa6MWGIDbUARtxCkE5KjkDPXDbnw39otdXh+1bf7SuUnz5efL2rGMdef9X146+1OOi3ttq91d6TqMVtDeuslzDNbeb84AUsjBl2kqAOQw4zjrQunp+P9XB9SrfeLP7N8QQafdxWKpPOkKKt+Dc/Nwr+Tt+7n0YnHOO1Uf7a1M2fiBtXto2trW6EMYtr10kXIj+UMqKQPmzuznJx05qyPCFyshiTU40s/wC0RqPlraYkkfzN5V33YYdgQoIwvJxg2LnwzPONWhF+i22pSpPsNuS8TjYD827BUhOmARnrRHbX+tv+CD30/rf/AIBLca3fvfXlvoumxXq2GFnea78rLlQ2xAEbcdpGclRyOeuKzeK7i7miTQ9LW8Eunrfq89z5ICsSNhwrfNx9OuSMc2ZtCvotQvbjRtTjs0vyHuI5bXzcOFC74yGXaSAOoYZA465ksfDsOnXSvaykQx2CWSRlckBSTuLZ5PPpS1t/XZ/rYen9fL9C9pd/Fquk2t/ACI7mFZVDdQGGcGrVUdE03+xtCstN83zvssKxeZt27sDGcZOPzq9VStfQlXtqFFFFIYUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAVpv8Aj8i/65t/NadTZv8Aj8i/65t/NadQA0f8fkf+639Ks1WH/H5H/ut/SrNABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBn3fiDRrC7+y32rWNtccfuZrlEfnpwTmtCuC1a5vLfWvFZgs4Li0a3t1undyWiQxsCwjC4kABJI3LnGBVi5vtRS/g0PQzqMlvZafDJ9osfszSSlsqpJnbG3CZ+UZJPUdwP6/L/M7WiuMn8QazplvIuqqqXt1pyPawYXC3O7y2UEZzlniOMnGTUNzqniS4vtQtdLXUJpNM2QI8CWgjnl8tXJl8xg2CWAwgXAzznoAdzRXK/adevNR1o2l1sksY1FtZbI9jytCG2uxGSAx4wR7nHFZ8niG/gsYbO1utTu9QuL1baZJ7eCO4tf3ZdgoISNshflY5Xk8tjFAdLndVFBd29y8qW1xFM0L+XKI3DGNv7rY6H2NZfhyTV2huU1mK5UJL/o8l35PmuhUZ3CElOGyMjHGOO55uzH9h6pqXiGMEW51KWDUVH/ADyyNsuPVCeT/dZvQUfat5f5f5h0v/XU7qGeK5iEtvKksZJAdGDA4ODyPcYp9efWOq38Wm6Rpelx3ZNz9rnkkshAZQqTEAL5xCclxnqcDgc5F067rmjwwT65HIEa3uUWKQR75JEO6It5eQGZAwIBxkcAdKOlwO0qNLiGSeSGOWNpYseZGrAsmemR2zXL6Bq+qXd/Z6bfTh7qzSf+0WVFXzCrBY+Mcbgd3GOlTazcxeH/ABNFrE7bLW6s5IJz6vGDLH/475o/Kh6a9AWp0UVxDceZ5EscvluY32MDtYdVOOh9qXz4vtHkeannbd/l7hu25xnHXGe9cIHv9N0eGzsrnUV1IWzX13FZQQMFeVmYtI82FxuyAqkNgHt0kn1e5kjl1iMrDdt4YNypUZCPy3AOe/rR/X4P/IN9v61X+Z3VFctrfiK60iaOZT5saaPcXjw4Hzuhj2nPUD5m6etVrO58W7ZWjt7uUyWcjKb8WqxrPgFBH5Lk7ScjD57fN1yf1+f+QLW39dv8zsqKxPDN41zb3CT317c3MMgWaK+gjilgbaDt+RQpB6hhkHsTW3QJalab/j8i/wCubfzWnU2b/j8i/wCubfzWnUDGj/j8j/3W/pVmqw/4/I/91v6VZoAKKKytTEsurafaxStGJllyQzgcBSD8rLnv370AatFZ/wDYlx/z/H/vqf8A+O0f2Jcf8/x/76n/APjtAGhRWf8A2Jcf8/x/76n/APjtH9iXH/P8f++p/wD47QBoUVn/ANiXH/P8f++p/wD47R/Ylx/z/H/vqf8A+O0AaFFZ/wDYlx/z/H/vqf8A+O0f2Jcf8/x/76n/APjtAGhRWf8A2Jcf8/x/76n/APjtH9iXH/P8f++p/wD47QBoUVn/ANiXH/P8f++p/wD47R/Ylx/z/H/vqf8A+O0AaFFZ/wDYlx/z/H/vqf8A+O0f2Jcf8/x/76n/APjtAGhRWf8A2Jcf8/x/76n/APjtH9iXH/P8f++p/wD47QBoUViafZXF/AZPtRjxt48yc9UVv+ev+1j8Kt/2Jcf8/wAf++p//jtAGhRWf/Ylx/z/AB/76n/+O0f2Jcf8/wAf++p//jtAGhRWf/Ylx/z/AB/76n/+O0f2Jcf8/wAf++p//jtAGhRWf/Ylx/z/AB/76n/+O0f2Jcf8/wAf++p//jtAE8en2sV5dXSRATXYUTMSTvCggcHjoT0rP/4RPRxBbRRQTQC1jMULwXcsUioTnZvVgxXP8JOBjirP9iXH/P8AH/vqf/47R/Ylx/z/AB/76n/+O0AOk0XT5TYmS2Vjp7BrX5j+7OMevPHrnseoqG98OaZf3j3U8UqzSIElaC5khEqjoHCMA45P3s8HFSf2Jcf8/wAf++p//jtH9iXH/P8AH/vqf/47QBJJpNlIL0NEf9OA+0FZGUthQowQfl4A6Yqt/wAIzpRsZLSS3klSSRZWkluJHl3rja3mli4IwMEHjtUv9iXH/P8AH/vqf/47R/Ylx/z/AB/76n/+O0ATWGnW+mwtFa+aQ7b2aad5XY4AyWckngAde1LFp1pDDcRRwjy7p2kmUkkOzfe6+vpUH9iXH/P8f++p/wD47R/Ylx/z/H/vqf8A+O0AQDwro6aXaafFatFBZEm2MU8iSQk5ztkDBxnJzzzUsnh/TJrK2tJ7YzQ2s4uIhLI7sJASQxYnLHJPUnOearahZXFhAJPtRkzu48ycdEZv+ev+zj8at/2Jcf8AP8f++p//AI7R5gTW+mWdrqF3fW8AS5vNnnyAn59owvsMA9qbqmk2OtWgtdTt1uIVkWQIxI+ZTkHio/7EuP8An+P/AH1P/wDHaP7EuP8An+P/AH1P/wDHaAG3/h7TdTuvtF5A7SGPyn2Tuiypkna6qwDjk8MCOT60+HRNOgVFjtV2paizCsxYeSP4CCeR9eaT+xLj/n+P/fU//wAdo/sS4/5/j/31P/8AHaAILLwtpGnzCaC1ZpBA1uGnnkmIiOMx/Ox+X5Rheg5x1OS38LaVawyQwxXHlPEYQjXkzCNDj5UBY7Og+7joPSp/7EuP+f4/99T/APx2j+xLj/n+P/fU/wD8doAl0/S7XS45FtFkzI26SSaZ5Xc4xy7kscAY5PFW6ybrS7i2s5p/thbyo2fbvnGcDOP9bVvTM/YyGZm2zSqC7FjgSMByeTwKAHTf8fkX/XNv5rTqbN/x+Rf9c2/mtOoAaP8Aj8j/AN1v6VZqsP8Aj8j/AN1v6VZoAKzbv/kZtI+k/wD6CK0qytQljg8Q6TJNIsaKJss5wB8o70AbtFVf7V0//n+tv+/y/wCNH9q6f/z/AFt/3+X/ABoAtUVV/tXT/wDn+tv+/wAv+NH9q6f/AM/1t/3+X/GgC1RVX+1dP/5/rb/v8v8AjR/aun/8/wBbf9/l/wAaAOZszJa+JZU1ubUI9QluZGsZDdOLO5jIbZEFBKKwUchl3EgsC1Tad4g1SLwm+o6tHpqSLcSRiSe/8qIKJGXLuYxtxjaMA54Jxk4nFlpr6jFc3niGW8jgmaeC1mnh8uJznBBChjgMQAzHH4CoW0jSvLjWLxDLC1vdPdWzrLATbl925V3IQVO9vvBj70ugdbjrbxbPqNvpv9lafBczXwnGftmIUMLBWPmBDuUnOCF544GTi34fv9Vvb3Vk1OK3SK3uzFCYpy5A2KduNi8c5zknJI7AmLTrHRdNktnj1USvbmchpblCWMz73LfiOP61ZszptlqF5cxaujLeOJGgaaPYj7QpZeN3IUdSR6YquodPn/mbFFVf7V0//n+tv+/y/wCNH9q6f/z/AFt/3+X/ABpAWqKq/wBq6f8A8/1t/wB/l/xo/tXT/wDn+tv+/wAv+NAFqiqv9q6f/wA/1t/3+X/Gj+1dP/5/rb/v8v8AjQBU8P8A/Hi3/bL/ANER1q1haHf2cNmyy3cCH93w0gHSGMH9QR+Faf8Aaun/APP9bf8Af5f8aALVFVf7V0//AJ/rb/v8v+NH9q6f/wA/1t/3+X/GgC1RVX+1dP8A+f62/wC/y/40f2rp/wDz/W3/AH+X/GgC1XHaEJbnxJqEs9trE3lahMiXI1Ai2RQOFMXnDPp/qyOfxrp/7V0//n+tv+/y/wCNY9raWVlqM1zbeJZUhnuGuJLTzLcxszdRkpvx/wACpdb+X+QPa39dRum+Kbu7OnzXulpaWWoK3kyi68x1ZVLfMm0AKQrEEMTwMgZwK8Wt6lqWo6BcGzFpp97O7xMl0WeSPyZCokTaAueGwC2CPar0NpokNrptuNRjaPTiTFunQ78oyfN68MemKqWGjaPYXFi669LNDpzMbO2luYjHCCpXaMKGYANgbiSMDnrmuoM6miqv9q6f/wA/1t/3+X/Gj+1dP/5/rb/v8v8AjSAtUVV/tXT/APn+tv8Av8v+NH9q6f8A8/1t/wB/l/xoAtUVV/tXT/8An+tv+/y/40f2rp//AD/W3/f5f8aAKniD/jxX/tr/AOiJK1awtcv7OazVYruBz+84WQHrDIB+pA/GtP8AtXT/APn+tv8Av8v+NAFquO1291Cw8a/bba4ne0sbBJbmzViUkjaRw7hf76gBgRyQpHeun/tXT/8An+tv+/y/41TD6SNYfUv7Qh857dbcr56bdoYtnHXOWPejqn/WzDo1/W5iSeLI9JhvppZ4ZftGqeRatdXYhhVfJR+ZCCFXGTwDkngc1NaeOre4tWmMMRVYJ2DwXIkSSSJlBRGwAwO5SG4znoMUQ6D4ftbH7NY6qbUpdm7gmiuY99uxXbtXIIK7fl2sCMH6YtXFnpN9BYpqOtfa5LKcTrM80StIQT8rbFClenAA6Chf5fkH9fiWdI17+1po4ltvKb7Ik8+Xz5TsxXy+nOCj5PHQcc1sViaXDomkTXslpfQ7ryczyb51O0nsvoMknHqTWj/aun/8/wBbf9/l/wAaADVf+QPef9cH/wDQTVbTf+PV/wDr4m/9GtSalqVjJpV2iXtuzNA4CiVSSdp460um/wDHq/8A18Tf+jWoAdN/x+Rf9c2/mtOps3/H5F/1zb+a06gBo/4/I/8Adb+lWarD/j8j/wB1v6VZoAKzNTkeK+geM7WEEuD/AMCjrTrK1b/j7h/64Sf+hx1UfiRMvhZVOpzCRYzcAOwJVeMkDGTj8R+dVT4mthffYjq1qLvO37OZk8zPpt61kPZwQ+Nba5jTE09pP5jkkkgNEAOegHPA45J7moJZrrRbpZo7i1urS9vxGYViKyhnO04beQduMkbRwD0xXTZaaf1exzXdtzo7vXPsEHnX19FbRZx5kzqi59Mmmz6+lraLdXWoww27Y2zSSKqHPTBPHNY8k8E/iixIljkQQTrGVYEeYGQMP94DI9fve9Z2jbBq1mCR5B+2m054/wBcPu/8Bzj2z2osm9gu7bnU3HiCO0tVubrUYILd8bZZJFVGzyME8c0XHiCO0tVubrUYILd8bZZJFVGzyME8c1ythZXW231LTfs8sdvLdJHDcSFE8tpMhlYK2MbcdMYPaqekm4k/smOBreG4dryeCV0LxCMydFTIJyGBGGGB6jilo+g9e53Y1dzbfaBdqYNm/wA3I27cZznpjHepPt9yekx/IVxE9ta33w9vllj8wWq3JB35R5FL/OMYBGckDHB9xmutT/Vr9BVKMX0JcpLr3/Atfb7n/nqfyFH2+5/56n8hVainyx7C5pdyz9vuf+ep/IUfb7n/AJ6n8hVaijlj2Dml3LP2+5/56n8hR9vuf+ep/IVWoo5Y9g5pdyz9vuf+ep/IUfb7n/nqfyFVqKOWPYOaXct3+otZK0ktysMKKWd5GAVRk8knoKqW+vpd2rXNrqMM8C53SxyKyjHXJHFGuT29tCZbtd8akELt3Etv+UAdzuxj3xXNX9vKllcX2oRpAl3dWxmh3AhIg6j5z0JP8XbHGSBk5xSstDSTfNudJF4ihnsnvIdTt5LWPO+dJUKLjrlugpbPxBHqKM2n6jBdKhwxgkVwp98Vz17areatqlvFPHAJLa3V3cblEm9sZGRkkYHUHke1WbDVpVvr2y1Wa1LWpi/0iIGNGMnRCGY4bIHGTncvrVJRvsS3LubE3iGO3vI7SfUoIrmXHlwvIod88DCnk1K+qyRSRpJdKjynbGrEAucZwPXgE/hXG6dd31n9rvWNqyvqbQTxFD5z5k2J8+7AwpXC7TwOvPEMuoC78TadeXcF9E63jQ28T2UwCR+XIC2SmCWODwThQPQ0LldtBvm112O4fVZIpI0kulR5TtjViAXOM4HrwCfwofVZIpI0kulR5TtjViAXOM4HrwCfwrh5dQF34m068u4L6J1vGht4nspgEj8uQFslMEscHgnCgehol1AXfibTry7gvonW8aG3ieymASPy5AWyVwSxweCcKB6Ghcr6A+Zden+f+R1g8XWDXQthrdkZy/liIXEe7dnG3Gc5zxipD4mthffYjq1qLvO37OZk8zPpt61mzD7f4jihJzDYIJ2X1kbITP0AY/Ug9qpyzXWi3SzR3FrdWl7fiMwrEVlDOdpw28g7cZI2jgHpihJdUK77nVfb7n/nqfyFH2+5/wCep/IVWoquWPYnml3LP2+5/wCep/IUfb7n/nqfyFVqKOWPYOaXcs/b7n/nqfyFH2+5/wCep/IVWoo5Y9g5pdy/bXc8shDyEjj27iq76nNEu6S4CLkDLYHJOAPxJxTrL/XH6D/0IVzniWzgmtrW5lTfLBd2/lEk4UmZATjpnHGeuCfU1CiubbsXd2Wp0f2+5/56n8hR9vuf+ep/IVWoq+WPYjml3LP2+5/56n8hR9vuf+ep/IVWoo5Y9g5pdyz9vuf+ep/IUfb7n/nqfyFVqKOWPYOaXctxXtw0yK0pILAHgVf0rmxOf+e83/oxqyYP+PiP/fH861dJ/wCPA/8AXab/ANGNWFVJPQ3pNtakk3/H5F/1zb+a06mzf8fkX/XNv5rTqxNho/4/I/8Adb+lWarD/j8j/wB1v6VZoAKyNYeNLy382RIw0MgBc4Gd0Z/pWvWbd/8AIzaR9J//AEEU07O4mrqxkkWRmWU3NqZFBVXLcgHGQDjvgfkKrRado0N615Cumx3Tklp0RQ5z1y2M810b6+ItRS3uNNvoYJJvIS8kVBEz9AMb94BIwCVAJxzgglh8S2633lG1uvsv2j7L9vwnk+bnGz72773y527d3Gav2kmR7OKMCbT9GuLY29wNOlgLmQxOisu4nJbBGM8nn3p1zZ6TeWy292dPngXG2KVQyjHTAIxXQQa491qctrbaTfSRQzGGS7DQiJWABPBk34Gf7tT6pq0WlpCDBNdXFw+yG2twDJIepxkgAAckkgD15FHtHYPZxuctdado17HHHerptwkXEayorhPoCOOlPu7TSr+EQ37WFzEp3BJgHUH1wR711L6klto76jqEMlkkcZkkjmKl0A7HaxBP0J61FDrlpJ4bj1ty8No9sLn94AGVSucEAnntgd6HVetwVOOhzoh08Wn2UTWQt9nl+Txs24xtxjGMcYqXfbDpeW//AH3W7DrlpJ4bj1ty8No9sLn94AGVSucEAnntgd6gXX3n0uy1Cw0e/vIbyATjy2gQxAgEBt8i889s9KbqyTdxeyizJ8y2/wCf23/77o8y2/5/bf8A77rQj8VJPpmnXdtpV/M+o7jDbL5Ik2gE7iWkC4IGRhjnIrZtpnntkllt5LZ2GTDKVLJ7HaSPyJo9pIPZxOW8y2/5/bf/AL7o8y2/5/bf/vuuuoo9rIPZROR8y2/5/bf/AL7o8y2/5/bf/vuuuoo9rIPZROR8y2/5/bf/AL7o8y2/5/bf/vuuuoo9rIPZROS1JNO1GMw3j2k0LD5op8Mp5yDgjHoapW2l6JZxyx2cemQJMNsqxRqokHoQBz1PX1ra0K4a10KeZLeW5ZXXEMIG9z5aDAyQPzIFTjxNbJZXU15a3VpNaukb2sqq0hZ8BAuxmU7iQBhuvXFSqjWhTgmzn107RksWskXTVtGOWtwiiM/VcYp0Vho8FqLaD+zo4A4cRIqhQwOQcAYzkA5roIfElqYb1tQguNOksUWSeG5ClwjZ2sPLZg2SCAAScjGM1a0zUJtQiaSbTLzTxwVF0Y8uD7I7Y+hwaftJC9nE5Y2Wkm/F8Tp5uwMC42jzAMYxuxnpUziykZGkubVmjbchZs7TgjI44OCR+NbT6+ItRS3uNNvoYJJvIS8kVBEz9AMb94BIwCVAJxzggmG48SS2uoW9rcaFqUYubj7PFNutyrHk7sCUtjALfdyAOlCqSB04mW4spGRpLm1Zo23IWbO04IyOODgkfjQ4spGRpLm1Zo23IWbO04IyOODgkfjWr/wlNt9sCfZLv7Ibn7KL/ank+bu27fvb/vfLu27c96tJr1jJ4gOjRO0l2sTSvtQ7EA28Fum751OOuDk4yMv2smHsomAoskkd0ubVXfBdg2C2OBnjmq0WnaNDeteQrpsd05JadEUOc9ctjPNdRe65aWOsafpkpdrnUGcRKgB2hVLFm54HGPr+NaNL2ktw9nHY5HzLb/n9t/8AvujzLb/n9t/++666in7WQvZROR8y2/5/bf8A77o8y2/5/bf/AL7rrqKPayD2UTkfMtv+f23/AO+6PMtv+f23/wC+666ij2sg9lE5e2nto5CftcLcdFf0IJ/QVXkFlMu2W5tXUEMAzZGQcg9OxANa3ij/AJBqf77f+inqfVNYk01iE0q/vkSPzJJLZY9sa8/33XceDwuT7cjM+0adyvZpqxieZbf8/tv/AN90eZbf8/tv/wB911cE8dzbxzwOHilQOjDoykZBp9V7SSJ9nE5HzLb/AJ/bf/vujzLb/n9t/wDvuuuoo9rIPZROR8y2/wCf23/77o8y2/5/bf8A77rrqKPayD2UTlI5rVJUY3lvhWBPz1raT/x4H/rtN/6Mareq/wDIHvP+uD/+gmqmk/8AHgf+u03/AKMaolJy3LjFR2JJv+PyL/rm381p1Nm/4/Iv+ubfzWnVJQ0f8fkf+639Ks1WH/H5H/ut/SrNABWbd/8AIzaR9J//AEEVpVj6s0ya1pjWq75gs2xSAQeFz1I7Z70AVF1JdS8QKNTh1KGK1uitrbLplwUdwSolkl2bSO6gEKBySTjbAEuG09vD/wBiuxcjUTL5xgbyTF9o87zPNxsPy8bc7s8Y71sfade/584/++F/+O0fade/584/++F/+O0LoD1Me5Qf27EfD8GswX7agDdCYXAtWi3YlY7/AN0QVHG35slcY5o1tTqGr6dqdzbavDYQfabSdLaOVZgSy7XxF+82Ex9V9VzwTWx9p17/AJ84/wDvhf8A47R9p17/AJ84/wDvhf8A47QtEv68g6mKlh4iu7bTz5EN1ZW8kkqQ6hdvFM+HPkGTETk7VwcHDbsFuRUWn6b4jm8P+Ho30+x8iztkeW0nvJImaVQNhb9yfu4zt7Njk7ed/wC069/z5x/98L/8do+069/z5x/98L/8do6NAYGn6b4jm8P+Ho30+x8iztkeW0nvJImaVQNhb9yfu4zt7Njk7ebVnb6k3w30vTZ7SSC4uIoLSVIixMUZwHZsgFTsBz6HjJrV+069/wA+cf8A3wv/AMdo+069/wA+cf8A3wv/AMdp3vfzAj1+HS4xZJfW2p7IgwgfTFuf3WABtPkfMMjpnjg1Y8MDUB4dthq/mfafm/1xBkCbjs34/j2bc++aj+069/z5x/8AfC//AB2j7Tr3/PnH/wB8L/8AHaQG1RWL9p17/nzj/wC+F/8AjtH2nXv+fOP/AL4X/wCO0AbVFYv2nXv+fOP/AL4X/wCO0fade/584/8Avhf/AI7QBtUVi/ade/584/8Avhf/AI7R9p17/nzj/wC+F/8AjtAFTTJ4rfw1ctcR3UkRdEcWau0oDRxjIEfz8ZzleR1qjbWNvcWGrrPBqaaQzwy20skEzXfnLjLqGUzNtKpguCeCOUAFW9Jl1CK1YabCJYsqSzoM52L/ALY7Yq99p17/AJ84/wDvhf8A47QBytzoeo6ja6tqMMuqXG/7KIWu4ljuJlhlMjlY9qheuFBUZIz3BO1pV09jPdT2cGtXGlt5KRx3STPKJmcq7ATfvNgBQkn5Rgkd60PtOvf8+cf/AHwv/wAdo+069/z5x/8AfC//AB2nsD1M5dSXUvECjU4dShitbora2y6ZcFHcEqJZJdm0juoBCgckk426iQSXXi6W5nhdYbG3WO3ZhhWeQ5dh64CoM+5HrTPtOvf8+cf/AHwv/wAdo+069/z5x/8AfC//AB2kD1Ofv9HS61FdM0eXWEhOoJdT2725jtItsgkdhI8YL5YHCq7DLZxgcdJdQyt4w06ZY3MSWVyrSBTtUl4cAnsTg/kaj+069/z5x/8AfC//AB2j7Tr3/PnH/wB8L/8AHaFpb+ulg63MBtN8RReILC8vNPsbiWXUi8lxFeSN5cQilVF2+SNqqGPc5Y9t2R3NYv2nXv8Anzj/AO+F/wDjtH2nXv8Anzj/AO+F/wDjtHSwPV3NqisX7Tr3/PnH/wB8L/8AHaPtOvf8+cf/AHwv/wAdoA2qKxftOvf8+cf/AHwv/wAdo+069/z5x/8AfC//AB2gDaorF+069/z5x/8AfC//AB2j7Tr3/PnH/wB8L/8AHaADxR/yDU/32/8ART1U8R6i5vv7KlS/gspId09zaWE07SAkjy0ZEYIcDljzgjGCdwZq0uoS2qjUoRFFliGRBnOxv9s9s1e+069/z5x/98L/APHaANS0MRsoDbI0cPlr5aPGyFVxwCrAEcdiM1NWL9p17/nzj/74X/47R9p17/nzj/74X/47QwWhtUVi/ade/wCfOP8A74X/AOO0fade/wCfOP8A74X/AOO0AbVFYv2nXv8Anzj/AO+F/wDjtH2nXv8Anzj/AO+F/wDjtAGhqv8AyB7z/rg//oJqppP/AB4H/rtN/wCjGqpe3GstYXAuLZEiMTB2CLkLjk/6z0q3pP8Ax4H/AK7Tf+jGoAkm/wCPyL/rm381p1Nm/wCPyL/rm381p1ADR/x+R/7rf0qzVYf8fkf+639Ks0AFZt3/AMjNpH0n/wDQRWlWbd/8jNpH0n/9BFAFdtavI/EyWKX+mXm6bbJYW6H7Rbx4JEjtvIwOM5RR8wAOcZqHxTeqv9pM1kunf2l/Z5tSjCcHzfK3b92M5+bZs+73q7eafrOq3ltHexafb2treLcpcwzO8rBSdqhCgCEg4J3NwWGOeIL7w2+q68lzdaXpNtGk6SvexHzLq4CEFEOY12DKrn5m4GO+QR6X/paf8Hz/AAB9bf1v/wAD+ri2niR9S8RNa22p6VawpM0SWkw33VzsJDso8xdoyrAfK33SfatnUU1STy10mezt+pkkuYWl+gCq6e/O7jHQ54wV8M3sXn6dElkNNm1H7f8AaS7eereYJCuzbgncMBtwwMcHHM2q2HiDUEgimg026thJKZ7b7VJAsybv3QYiNyw253LwCfUZBXRf1/X9dB9WOXVdSu/DEGsRXun2EawNJcNNaPOrBc/OhEqYUgEjOTgioYdY1yVdH0+Y2Npql/byXMkktu5jRVK/II/MBL4cZ+fja3WtG7sL7UtHtrW4itbU+fGbiKKVpE8pWztU7FzkADoOpp3iCxl1G0jgTSNL1RNxYx6lIVRDjhgPLfJ5Pp+tN/1/X9bCRly+Kr4+CJ9XsbGG6ubfz0l2zAQqYiwZ89Sp2ZAGTyBkcsNrVdU/s3S/PEfm3EhEdvCOssrfdX+pPYAntVBfDbW/ge70S2ljae4gnUyFNiGSTcScDO1ct05wPWptS8PHUNQtb1NUvLOa1iaOMQLCyjd1bEkbYJAxkduO5pS20Ds/X/gFnQL6bVPDunX9yqLNc20csgjBChmUE4zzjmtCszw3pk+jeG7HT7u4NxNbwrGz8YyB0GFHA6DIzjrzWnVytd2EgoooqRhRRRQAUUUUAcnBqL6T4Nv76FoVkh2lWn+4pMcYy3I459R9amfXriDwnf6qmsaPqXlcRXFrEUhQ5A+f962cZB+8tS6KbxdBmOmpBJciRNqXDlEYbI8gsASOM84PPaks9N1i3u9T1byrBdQvRCi2qzuYQseeWk2AliGbnZxhRg4pdwETxC1t4duNTk1PTdZUSLFC2np5aGRiFCFvMk/iYZPYdjVzw7fy6lZvPLq+l6mAwXfpiEJG2MlSfMfJ5Hp9OayLnwpeatDq1xqP2SC6vjbmO3iZpYVMDblLsVUtuPB+UfLgc4zV6Gw1sX1zqhi063vZ1ggMKyvLH5aOSzF9qkth2AGMDA5OeKQdCx/at6PF0emPZLFZvbSSpcNIC8rIYxwo6L+8xzySOgAyaNp4kfUvETWttqelWsKTNElpMN91c7CQ7KPMXaMqwHyt90n2rWnsJZfEVnfqyeVBbTxMCTuJdoyMe3yH9KxF8M3sXn6dElkNNm1H7f8AaS7eereYJCuzbgncMBtwwMcHHKXS/wDWv+QPYltPEj6l4ia1ttT0q1hSZoktJhvurnYSHZR5i7RlWA+Vvuk+1Wby91fT9TtXuJbF7O6uxbpbRwuJgCDhvML4JAG4jYMDPJxk0V8M3sXn6dElkNNm1H7f9pLt56t5gkK7NuCdwwG3DAxwccz2thrcWvS3t3Y6ddM0rLHctfyBoIC3CpH5OFO3GcN8xHJwBgXT+u39figfX+u4t5d6/a69Y2cd7ps63UzM0IsJFeOBeWYv5xGeVXO3ksOKqnxTeqv9pM1kunf2l/Z5tSjCcHzfK3b92M5+bZs+73rdgsJl8QXeoTsjI8McMCrnKKCS2fqSP++RWRfeG31XXkubrS9Jto0nSV72I+ZdXAQgohzGuwZVc/M3Ax3yBbr+v60B9f6/rX8jp6KKKACiiigAooooAxfFH/INT/fb/wBFPUXiTV7nS2Q2+p6XaloyYrW7jZ5btx/BGA6nPQcKxy3TsZfFH/INT/fb/wBFPTtZi1i5We0srTTZ7O4hMbPdTOpQnIbKBCHGCONy55HvSd+g1bqasLvJbxvLGYnZQWjJztOORn2p9VtOtDYaZa2hlaY28KRGV+r7QBk/XFWap2voSr21CiiikMKKKKAKuq/8ge8/64P/AOgmqmk/8eB/67Tf+jGq3qv/ACB7z/rg/wD6CaqaT/x4H/rtN/6MagCSb/j8i/65t/NadTZv+PyL/rm381p1ADR/x+R/7rf0qzVYf8fkf+639Ks0AFY+rQvca1pkUcnlO6zYkGcrwp7EHtjr3rYrNu/+Rm0j6T/+gigA/sS8/wCgpJ+cv/xyj+xLz/oKSfnL/wDHKylb7B4ikuNct9YjWe/8u2uvt7fZRuwI1MSy8ZPHzR4yeaFb7B4ikuNct9YjWe/8u2uvt7fZRuwI1MSy8ZPHzR4yeaFrb+u2nrqD0v8A1319NDV/sS8/6Ckn5y//AByj+xLz/oKSfnL/APHKwbHVlvNWm1LU4tX8hL9rSKaG4MdrBtkMaho1cFyzYJYoy5YDIAONzxj9uXwpfzabftYyQW8krSRoGchUJ2qT93JxzgnGcYOCDpcaV5co7+xLz/oKSfnL/wDHKP7EvP8AoKSfnL/8crP8S3851LS9JhjvpUuo5J5UsJBHNKI9mEEhZdg+bJO5SduAecGje6styNI0rTYtXaCZZ3nhiuCLotEyqYmldwVwzHLb+QoCsQRkJWqub39iXn/QUk/OX/45R/Yl5/0FJPzl/wDjlU3fSLnw9b3FzeanaWlu7RGE3syTGXdt2Myt5kjhgQFDMDnjd8pqKe2ZPBkF5rZ1Fru2gO2KK/lgkck4RHMbqGc/KCTnnNA0aP8AYl5/0FJPzl/+OUf2Jef9BST85f8A45WNc2V5pdro1lqc+rXWnpDJ9snspbiSZrg4K5MZMuzmTGDjhQe1a3g6+n1Dw6slyZmaO4mhVpx+8ZEkZV3f7WAAfcGmA/8AsS8/6Ckn5y//AByj+xLz/oKSfnL/APHK2qKQGL/Yl5/0FJPzl/8AjlH9iXn/AEFJPzl/+OVtUUAYv9iXn/QUk/OX/wCOUf2Jef8AQUk/OX/45W1RQBy+k2E97atJBdG1UFVKIXwTsU54ceuPwq9/Yl5/0FJPzl/+OVBolnFf6HLBO0yI0iEmCd4W4jT+JCGH51ircz6P4Y1LV7O5vSl7dRwWaz3Ml0YozIIxIokZsscs4Hf5RigDof7EvP8AoKSfnL/8co/sS8/6Ckn5y/8AxysiNZDoep6dptvrcGqCJGMV7fGSZ1JxvR/NZFzhvusuCOg4rU8Nz2gkvLOKHUrW6hKNNb6ldtO6qwO1gxkcbTg/dbqDmmA/+xLz/oKSfnL/APHKP7EvP+gpJ+cv/wAcqldwLF4ltl029vp9Qa4EtzGbqR4YoDnIePPlqCOF4DEjPOGNQ3eqXd/4r0p7Kd49Livntm2kgXUnkylvqiFQPds/3RSWoPS5p/2Jef8AQUk/OX/45R/Yl5/0FJPzl/8Ajlczd6he2F0bi7/tddWGqpHtAlNm1u8wRQP+WWDGw/29341p3eqXd/4r0p7Kd49Livntm2kgXUnkylvqiFQPds/3RQtVf+v61B6X8v6/ryNP+xLz/oKSfnL/APHKP7EvP+gpJ+cv/wAcrKVvsHiKS41y31iNZ7/y7a6+3t9lG7AjUxLLxk8fNHjJ5rOu9QvbC6Nxd/2uurDVUj2gSmza3eYIoH/LLBjYf7e78aFrbz/4H+YPS5039iXn/QUk/OX/AOOUf2Jef9BST85f/jlbVFAGL/Yl5/0FJPzl/wDjlH9iXn/QUk/OX/45W1RQBi/2Jef9BST85f8A45R/Yl5/0FJPzl/+OVtUUAcvq1hPZWqyT3RulJZQjl8A7GOeXPpj8avf2Jef9BST85f/AI5R4o/5Bqf77f8Aop6zvG+p3Y0i/sNHmeG6js5Lm4uIyQbeNVJGCOjMRgeg3HsKBpXZo/2Jef8AQUk/OX/45R/Yl5/0FJPzl/8AjlbEZzEpPXaKdQSndXMX+xLz/oKSfnL/APHKP7EvP+gpJ+cv/wAcraooGYv9iXn/AEFJPzl/+OUf2Jef9BST85f/AI5W1RQBz97pN1DYXEj6i8ipEzFCZMMAOn+sq3pP/Hgf+u03/oxqt6r/AMge8/64P/6CaqaT/wAeB/67Tf8AoxqAJJv+PyL/AK5t/NadTZv+PyL/AK5t/NadQA0f8fkf+639Ks1WH/H5H/ut/SrNABWVqEscHiHSZJpFjRRNlnOAPlHetWsrUYln17S4ZN2x1mDBWK5+UHqOeoFAEMljptxfJNe+IZbu3juPtEdnLPD5SODleQochScgFiBgegoksdNuL5Jr3xDLd28dx9ojs5Z4fKRwcryFDkKTkAsQMD0FAvfCTXgtF1myNyZPKEI1P59+cbdu/Oc8YqxOnh+1v4rG6vYobubHlW8l8yySZOBhS2TyD0oXSwMrHTdHN48g1pltJJxcvYC4i8lpcht3TePmAYgNgnqOTmw8Wly6LeabPrBmivBKrySXSs6iTOQpPQDOAMcACmGTw0upf2c2pW4vtwX7KdQPm5xnGzfnNS38Og6VCsuqXkdlG7bVe5vmjDHrgFmHNHQfUbqUel6g1tLHrAs7m1yIrm3mj3qGGGXDhlIOBwQeQD2qu+m6P9ntha601rc2zu63kVxEZWMhzJu3Aqdx5I24BAxjArSTS9NkgWeMs0TLvWRbpypXGc53dMd6rXC+H7TT4766voYbOXHl3El+yxvkZGGLYORQJFKTSdKzZvaeIZbSW181hLHNA7SPIQXdvMRhuJzyAMAkDAOKuuunT2dtb3ut/azbzrP5sk0StIytuUMEVVwDjoB0FWU0vTZIFnjLNEy71kW6cqVxnOd3THeqlyfDlnZQ3l5qEFvaz48qeW/KpJkZG1i+DxzxRsG5NqM1tfRotv4ibT8Z3G1kgJfPrvVsfhipbGfR9NsYrSzu7ZIYhhQbgMfUkknJJPJJ5JqpKfDkGnR6hPqEEdlIQEuXvyI3z6MXwehq5HpOnTRJLDvkjdQyOty5DA9CDu5FAE/9q6f/AM/1t/3+X/Gj+1dP/wCf62/7/L/jUX9i2P8Acl/8CJP/AIqj+xbH+5L/AOBEn/xVAEv9q6f/AM/1t/3+X/Gj+1dP/wCf62/7/L/jUX9i2P8Acl/8CJP/AIqj+xbH+5L/AOBEn/xVAEv9q6f/AM/1t/3+X/Gj+1dP/wCf62/7/L/jUX9i2P8Acl/8CJP/AIqj+xbH+5L/AOBEn/xVAGVotxajR57a5vEtmlwM+YqsAYkGRmrUsOhzaCukNewi2SJI0K3Chk242sDnhgQCD6iq+hWMN9ZNJdea7hlAImdePLQ9j6k1ckstHitZbmWYJbw7vMla7cIm04bJ3YGCDn0oApx2dgkVwW8STSXk4RTfGeESoqNuVVAQJjJOflOcnOeKbDp+lxrO7eIJpLu4kieW8N1GsrCM5VPlAUJ1BAAzubuc1PaHw5f201xYahBcwQDMssN+XWPjPzEPgcc80Qnw5cafJf2+oQS2cRIkuEvy0aY65YPgdRRsBXtbG0srySa28V3CRy3DXEkG+1KuWbJBJj347feyAAAeBTZPD/g1721uo7XSIJrabz1aGOFS7bSPmOMkZbP1APatCxtdF1O2+0abcLdwElfNt7xpFyOoyGxUp0rTVmWJi4kcFlQ3L5YDGSBu7ZH5ijYNyk9vp1xqaXV9r7XccUnmw2kk0KxRP2I2qGbHbcW9eoBFeTw/4Ne9tbqO10iCa2m89WhjhUu20j5jjJGWz9QD2q3GPD0upNp0V/C98md1qt+TKuOuV3ZojHh6XUm06K/he+TO61W/JlXHXK7s0LyBkEljptxfJNe+IZbu3juPtEdnLPD5SODleQochScgFiBgegqR7fTrjU0ur7X2u44pPNhtJJoViifsRtUM2O24t69QCJJ08P2t/FY3V7FDdzY8q3kvmWSTJwMKWyeQelE6eH7W/isbq9ihu5seVbyXzLJJk4GFLZPIPSheQM0f7V0//n+tv+/y/wCNH9q6f/z/AFt/3+X/ABrGF74Sa8Fous2RuTJ5QhGp/Pvzjbt35znjFan9i2P9yX/wIk/+KoAl/tXT/wDn+tv+/wAv+NH9q6f/AM/1t/3+X/Gov7Fsf7kv/gRJ/wDFUf2LY/3Jf/AiT/4qgCX+1dP/AOf62/7/AC/40f2rp/8Az/W3/f5f8ai/sWx/uS/+BEn/AMVR/Ytj/cl/8CJP/iqAM7xDe2tzp6Jb3MMrBmJVJAxx5b88UzWNI8J64lx/aEWlyT3EZja6KxGZeMAhyCQR29KXXbGGxslktfNRyzAkzO3Hlue59QKl1D/hHNJZF1XUILEyAlBc35j3Y643OM0D1L1teaTaW0dva3VnDDEoVI0kRVUDoABwKl/tXT/+f62/7/L/AI1AmkafLGskfmOjAMrLcuQQehB3U7+xbH+5L/4ESf8AxVBK20Jf7V0//n+tv+/y/wCNH9q6f/z/AFt/3+X/ABqL+xbH+5L/AOBEn/xVH9i2P9yX/wACJP8A4qgZL/aun/8AP9bf9/l/xo/tXT/+f62/7/L/AI1F/Ytj/cl/8CJP/iqP7Fsf7kv/AIESf/FUARalqVjJpV2iXtuzNA4CiVSSdp460mk/8eB/67Tf+jGpt/pNpBptzLEJVeOF2U+e5wQCR3p2k/8AHgf+u03/AKMagCSb/j8i/wCubfzWnU2b/j8i/wCubfzWnUANH/H5H/ut/SrNVh/x+R/7rf0qzQAVm3f/ACM2kfSf/wBBFaVY+rXKWetaZcSDKRrMSAwB5CjuQO9AElwo1PxbBbMcwaXGLl0/vTPlY8/RQ5+pU9qwNKvtSsPt+oubFlk1hre5gaNvtEmZfLQ+ZuwMIyYTacqOo3cbyeItOjkkkS3KvIQXYNEC+BgZO/niq51LQm1MaidMhN8BtF0Ug80DGMb92enHWhaP+v68geq/r+vMhmnvfD16txFdWd5Y6jqgiNukLLMrSHacPvIYrjJG0cK3TFat7q1sskP9nRRajfyGSKBY3X5dpAk3PzsVTt3dTnAAJwKzob3w9b6i+oQaRbxXrklrlI4BI2euWDZOajuZvDF6qreaHaXCozOolht2CsxyxGW6k8n1pdLB1uVtQV9K0rT/AA7PHePbSRs97c2djNKuzdkxL5att3EkdsID3IqPQra7uPD3hnWNJSCQ2WnGBre+L264ZUy6tsYgjZjO0ghjg+uxaa1pGn2q21hZLa26Z2xQ+SiLk5OAGx1NVrq68OX1vBBe6NbXENuMQxzRQOsQ6YUFsDoOlPv/AF3/AMwMCwvpj4atNNuILr7DezXM809jZTzR/ZzMxWNNitgPnvjCZ7kVq6Dbzaj4V8MXGl3sNncWln8qXlm7bxsVGIXehwPXkHI9q2f+EnssY8qTHpvi/wDi6oXV14cvreC3vdGtrmG3GIY5ooHWIYxhQWwOg6UdGgIbSbUtch0rxLZxWTzW8dxBJBPM0cLgsFM0cgViM+XkcHKv19bvgUS/8IrG8vl7ZbieSLys7PLaViu3P8JByPYiory98PajDDFqGkW91HAMRJPHA4j7fKC3HQdKujxPZAYEcmP9+L/4umBtUVi/8JRZ/wDPOT/vuL/4uj/hKLP/AJ5yf99xf/F0gNqisX/hKLP/AJ5yf99xf/F0f8JRZ/8APOT/AL7i/wDi6ANqisX/AISiz/55yf8AfcX/AMXR/wAJRZ/885P++4v/AIugCPQIEutDuIJt3lykI2xyhwYk6EEEfUGs/S9Lhl8D3emW0kNjF9uuYoiyZSPF04VdoK+wxkdam0nVoNMtWhnUszFWBSRMY2KO7D0qaXVtFns5LSfT45LaVi0kLiEo5J3ElS2CSefrzQHQyda1i5fTdY0jWBbXMlvJaILm2UwxZmcBQ6sX27SASCSCpHAzV6xM0XiLVrW+ubOXUJLe3cXCw7YVO5xGpiLEhsjP3yW7YwKlt9S0K0097G10yGGzkBD28aQLGwPXKhsHPeoo7jw1Fp0lhFotqllK26S2WKARueOSu7BPA/IUAS6NdpZ61rMeq3FsbpZLczXUZ8qJi67UQISdrcDgsxO5TnBCh8lhbW/xEs7uKPFxc2Nz5shYsWCtAAOegHPA4ySepNRw6hoNvYrZ2+lwxWquHWBEgVAwOQwUNjORnPrVk+IdOadZmtyZUUqshaLcoOMgHfwDgfkKfVP+tgKmstJDqGm3Es9pPp7akiw28EeyUStuXdv3EPgliVCqcA5PBDGstJDqGm3Es9pPp7akiw28EeyUStuXdv3EPgliVCqcA5PBDEF74dtdQe/ttIt4byQkvcRxwLI2eTlg2TnvRBe+HbXUHv7bSLeG8kJL3EccCyNnk5YNk570lpb+u3+W4PW/9d/89jM0q+1Kw+36i5sWWTWGt7mBo2+0SZl8tD5m7AwjJhNpyo6jdwaVfalYfb9Rc2LLJrDW9zA0bfaJMy+Wh8zdgYRkwm05UdRu41jqWhNqY1E6ZCb4DaLopB5oGMY37s9OOtB1LQm1MaidMhN8BtF0Ug80DGMb92enHWhaW/rt/l+PkD1v/Xf/AD/As3CjU/FsFsxzBpcYuXT+9M+Vjz9FDn6lT2rcrCTxFp0ckkiW5V5CC7BogXwMDJ388U//AISiz/55yf8AfcX/AMXR0DqbVFYv/CUWf/POT/vuL/4uj/hKLP8A55yf99xf/F0AbVFYv/CUWf8Azzk/77i/+Lo/4Siz/wCecn/fcX/xdAB4o/5Bqf77f+inqHW4byC/l1bTtRsIHtbJhLFdwM42ZLZ3CRdgO0jJB6Gq+ratBqdqsMClWUsxLyJjGxh2Y+tLe3vh7UbmO41DSLe7niAEcs8cDsnOeCWyOeaWvQfqbmlXx1PR7O+MLQG5gSUxP1TcoOD9M1brF/4Siz/55yf99xf/ABdH/CUWf/POT/vuL/4uqdr6ErY2qKxf+Eos/wDnnJ/33F/8XR/wlFn/AM85P++4v/i6QzaorF/4Siz/AOecn/fcX/xdH/CUWf8Azzk/77i/+LoA0NV/5A95/wBcH/8AQTVTSf8AjwP/AF2m/wDRjVUvfENrc2FxAiOGkiZATJHjJGP79W9J/wCPA/8AXab/ANGNQBJN/wAfkX/XNv5rTqbN/wAfkX/XNv5rTqAGj/j8j/3W/pVmqw/4/I/91v6VZoAKzbv/AJGbSPpP/wCgitKs27/5GbSPpP8A+gigB2neJrHU7jU7eBZkl02RklSVAN4GRvTnlcqwz6g5xTZPE1v5dkLOzu725vYFuI7W3Vd6xkZ3OWYIo7ctyeBmsE6VewWF9qlnay/bre+uyIdmGubd3O5Rnr2ZfUqPU1NpSz6BNZ315ZXUlvc6Va27tBbvLJbyRhvlaNQXwd3UDgjnGRRHVa+X5P8Ar8Aej08/zRrP4qtYtMvbqa1u4p7EqJ7J1UTKWOFx82wg9iGI685BFSWviFJNSisNQ0+80y4nBNuLoRlZsAlgrRuwyAM4JBxyM4OOe1qG61W21jVobG7SB7aC3gjaBhNOEmLs/l43gfNgAgHgnGCK0ry7bXdR057OzvEtNPmN3PPcWkkLEhGURojgMxO7qBjAxnJxR6/1/X/AD0/r+v8AgmouvWz65caTFHNJc28PmnAAVyApKAk/eAdDzgfOOeuIdN8Qy6lqE1qdE1C1+zv5c0s7QbY22BwDtlYnIZegPX61zcOl+Ibe0sNcleGSVbv7bNZpZOLgJL8rxlt5BKow42D/AFYrRv49Rjt/EcVjDMlxqF9HDbyiIkKHhhQy/wC6vzHPTK4o1+f66f5/gGjfl/X/AA5t6Lrlrr1rJcWQkCRymM+YuCeAwYc9GVlYexFaNcrpOm6povidPtD29xZ3loISbO0eJYXi+5uBd+qswzkfdUV1VN26CCiiikMKKKKACiiigAooooA5ay1eHQvCl1qNzDNNHC8eY7dQzsSkagAEjJyRWymtWco01oGaWPUsmCRRxjYXyc8jgfnXOSwTXPgm5it4nlkNzbEJGpYkAwk8D0AJp0uk3dl4ssrO3hkbS5ZZ7mOVF+W1ZonV0OOgLMGGe7MOwpa2YGkfFkTRyXNtpeo3WnxMQ9/DGhjwPvMqlxI6j1VDnBxmpbnxIiXsNtp2n3eqNNbC6VrRoQvlk4BzJIuc+2aztJ1WTRPD9tpFxpOoPqFnCtusUFo7RTlRhWWUDy1DdfmYY5zjFU9NifwvqenR6jBdyLHpCwNJaWU1wokEmSv7tTj2z2p6Xt0/4D/4AdL/ANbo6S08QWN3pNxf7pIUtNwuo5k2vbsoyysPUD0yD1BIOaqzeKo08OjWYdMv7i3VZGnRBEslvsyH3hnHIKkYUnpWJdWGrX8dysVu1m+uX6MVmhMiwW8UY5lCsBl9gG3cDhgOoOFuNP1i0sPFNhdKt4L+ykuoJLS1dEMhQo8YUs/zEhWAzyWbij+v6/roNWuv68v6+83LvxPFpujjUNU0+8sw0mxYX8t5CMbi3yOwwFDMec4U8dM7YORkdK5bUrHVNX8QJHatDbWtjaYLXlm8sczygghcOnKoMZyfvkVoeFFvYPD8Vlqat9psWa1MhQqJlQ4VxnqCu09+cjtT/r+v66krZGzRRRSGFFFFABRRRQAUUUUAYvij/kGp/vt/6KepZ/EVnbeJrfQ5lmW4uIfNjk2fuzyfk3Z4YhWIGOQDzUXij/kGp/vt/wCinqlqmitq3ie7R1khRtOi8m6VM+VMsrsrAnjcDg49PrR1X9dGHR/11NG58R2Vrb3UsqzE29z9lEaR7nmlKhgqKOudw9OhzgDNFpr6zahHZX2n3mmXEwJgW68sibHJCtG7LkDnBIOOQDg45qzt9VeIateaXL9os9Xeee1VeXXyBEzx5+9gksMdQMDnitae5bxDq2lrY2l5Hb2Vz9pnuLq1ktwMI6hFEiqzEluSBgAHJ5FC6fL8l/X4A+vz/Nix+M4DZpf3GlajbaazFTfSCJo0GSNzBJGcLkYyVwOpwOa0tS1200q6soLkSM97IEQxqCE5C7m54XcyLn1YVy1lcXE3gVvD9tpt8dQmilt2E9lLFFGHZgXaR1CkAHOAST2BqW80DV9budTjhuobS2jt10+Fruyd3fADNKhEi4yxHOG5jB+qT/r+v618g/r+v66G3deIprbWF05dB1KaSRXeN43t9siqVDMN0oIHzr1APPSrUOuWs3iCbR0En2iGLzGYqNh+6SoOfvAOhPHRhWVZz3tzqGjajf2c8UkemXIuVETfJJuhyoGO5VtvqBxWRDpfiG3tLDXJXhklW7+2zWaWTi4CS/K8ZbeQSqMONg/1Yql0/rrZf5h0v/X9dDs9V/5A95/1wf8A9BNVNJ/48D/12m/9GNVvVf8AkD3n/XB//QTVTSf+PA/9dpv/AEY1ICSb/j8i/wCubfzWnU2b/j8i/wCubfzWnUANH/H5H/ut/SrNVh/x+R/7rf0qzQAVj6s0ya1pjWq75gs2xSAQeFz1I7Z71sVm3f8AyM2kfSf/ANBFAB9p17/nzj/74X/47R9p17/nzj/74X/47W1RQBi/ade/584/++F/+O0fade/584/++F/+O1tUUAYv2nXv+fOP/vhf/jtH2nXv+fOP/vhf/jtbVFAGL9p17/nzj/74X/47R9p17/nzj/74X/47W1RQBi/ade/584/++F/+O0fade/584/++F/+O1tUUAYv2nXv+fOP/vhf/jtH2nXv+fOP/vhf/jtbVFAGL9p17/nzj/74X/47R9p17/nzj/74X/47W1RQBi/ade/584/++F/+O0fade/584/++F/+O1tUUAcvpMuoRWrDTYRLFlSWdBnOxf9sdsVe+069/z5x/8AfC//AB2jwv8A8g1/99f/AEUlbVAGL9p17/nzj/74X/47R9p17/nzj/74X/47W1RQBi/ade/584/++F/+O0fade/584/++F/+O1tUUAYv2nXv+fOP/vhf/jtH2nXv+fOP/vhf/jtbVFAGL9p17/nzj/74X/47R9p17/nzj/74X/47W1RQBi/ade/584/++F/+O0fade/584/++F/+O1tUUAYv2nXv+fOP/vhf/jtH2nXv+fOP/vhf/jtbVFAGL9p17/nzj/74X/47R9p17/nzj/74X/47W1RQBy+rS6hLaqNShEUWWIZEGc7G/wBs9s1e+069/wA+cf8A3wv/AMdo8Uf8g1P99v8A0U9bVAGL9p17/nzj/wC+F/8AjtH2nXv+fOP/AL4X/wCO1tUUAYv2nXv+fOP/AL4X/wCO0fade/584/8Avhf/AI7W1RQBi/ade/584/8Avhf/AI7R9p17/nzj/wC+F/8AjtbVFAHP3txrLWFwLi2RIjEwdgi5C45P+s9Kt6T/AMeB/wCu03/oxqt6r/yB7z/rg/8A6CaqaT/x4H/rtN/6MagCSb/j8i/65t/NadTZv+PyL/rm381p1ADR/wAfkf8Aut/SrNVh/wAfkf8Aut/SrNABWbd/8jNpH0n/APQRWlVDUdNe9nt5orjyHhDAHa2fmx3DAjp+tAGvRWB/ZN9/0FH/APIv/wAco/sm+/6Cj/8AkX/45QBv0Vgf2Tff9BR//Iv/AMco/sm+/wCgo/8A5F/+OUAb9FYH9k33/QUf/wAi/wDxyj+yb7/oKP8A+Rf/AI5QBv0Vgf2Tff8AQUf/AMi//HKP7Jvv+go//kX/AOOUAb9FYH9k33/QUf8A8i//AByj+yb7/oKP/wCRf/jlAG/RWB/ZN9/0FH/8i/8Axyj+yb7/AKCj/wDkX/45QBv0Vgf2Tff9BR//ACL/APHKP7Jvv+go/wD5F/8AjlAG/RWB/ZN9/wBBR/8AyL/8co/sm+/6Cj/+Rf8A45QBL4X/AOQa/wDvr/6KStquej0S6iXEOoCNeOEWRRwAO0noBTv7Jvv+go//AJF/+OUAb9FYH9k33/QUf/yL/wDHKP7Jvv8AoKP/AORf/jlAG/RWB/ZN9/0FH/8AIv8A8co/sm+/6Cj/APkX/wCOUAb9FYH9k33/AEFH/wDIv/xyj+yb7/oKP/5F/wDjlAG/RWB/ZN9/0FH/APIv/wAco/sm+/6Cj/8AkX/45QBv0Vgf2Tff9BR//Iv/AMco/sm+/wCgo/8A5F/+OUAb9FYH9k33/QUf/wAi/wDxyj+yb7/oKP8A+Rf/AI5QBv0Vgf2Tff8AQUf/AMi//HKP7Jvv+go//kX/AOOUAS+KP+Qan++3/op62q56TRLqVcTagJF54dZGHII7yehNO/sm+/6Cj/8AkX/45QBv0Vgf2Tff9BR//Iv/AMco/sm+/wCgo/8A5F/+OUAb9FYH9k33/QUf/wAi/wDxyj+yb7/oKP8A+Rf/AI5QBv0Vgf2Tff8AQUf/AMi//HKP7Jvv+go//kX/AOOUAauq/wDIHvP+uD/+gmqmk/8AHgf+u03/AKMaqj6NeSIyPqTMrDBUiUgj0/1laNlbNa2oidxI25mLBdoJZi3TJ9aAGzf8fkX/AFzb+a06mzf8fkX/AFzb+a06gBo/4/I/91v6VZqsP+PyP/db+lWaACiiigAooooAKKx7+eVPFujwpK6xSQ3JdAxCsQExkd8ZP51nahrk2j6xrdwUlu47e3s9lsJMcvI6nbngE8fXAoA6miuWvfEMy2eqWuraf5E9rHDJstb5h5kcjbQRIqqykEHIA7dTmrV94gvYrjUF0zS1vINNUfaXe58tmbYH2xrtO4hSOpXk4pN2DfQ36KxtO8Qfb7gRfZvLzp0N9nzM/wCs3fJ07bevfPSsibx/brb2OwafDc3Vkl48d/qK26IrjhQxUlmyD2AwMkjIy3pv/W/+QLX+v67nYUVT0nUotY0e11G2DLFcxCRQ2MjPbjj8quU3o7BuFFFFIAooooAKK5fTLVvE63Wo395fRxm5lgtoLW7kgWJI3KZPlkbmJUn5sgcAY5zPbXd1Bq2vhGa6+zJB5Uc02xQfL5JPRQepIH4Gjpdh1sdDRXIxePIX03UZ2jspZLFolLWl+JrdhKdqsZdo2gHO7K8AZ5q3c+I9QtpLC0On2X269EjRq2obYXC44STy8sxDAhdo4B545AOjorkde1a7g03xLLp0TRXlnaoS8l2+1cxlsquCqsPYDdxkip7TWTolhd22o27I9jZLdgm9kuTMCWyA7qGJyAOf7woDt/X9bnT0VHbvLJaxPcRiKVkBeMNuCNjkZwM49cVJQG4UUUUAFFFFABRRRQBFLcwwf62RVpI7uCYExyqQPfFZUt5BYalfTzJvbfGq4Az9yql3r1rMQy2KSP3Mqg15dTMIU2+aSVm9Nb6O39aGypN7I6VXVvusD9DS1zmjaj52qlI7aOJJV+YJxjAPP610ddWFxMcTT5497ETg4OzCsSDxVZ3V5PbWltdzywMRII4wcYOPWtuvLNN1i80fxFqj2FkbtpJXVlAJ2jeeeK9GlTU0yTvLjxAlrbvPcaffxxIMsxiGAPzq3pepwavYJeWm7ynJA3jB4OK4XVvFmr3uk3Ftc6O0EUibWkKONo9eRXR+A/8AkUoP99//AEI1U6XLT5nvcDo6bJKkSFpGCqO5p1ZutQyyW6vGvmImd8f94HFcknZXKhFSkkwfX9PSUJ5u7JxlRwK0VYOoZSCD0Irgbq18siSHLRN0PofQ1raHe3NriO4GLc9C5xj6ZrnhWblaR21MLFQ5oM6miiiuo88rTf8AH5F/1zb+a06mzf8AH5F/1zb+a06gBo/4/I/91v6VZqsP+PyP/db+lWaACiiigAooooAzdW0qS/ltLqyuVtb2zctDK8XmIQwwysuQSCPQg5APtVB/DEtzaXv26/WW9vZIWkmSDYirEwZUVNxIHB6sTlifauhooAwdU8M/2le39x9r8v7ZbwwbfKzs8uRnz15zuxjtUOp6DfIdWm0m/WCHUIy88BtvMcuE27o23DaSAo5VuRXSUUmrqw07O5y1loF81lp91aX32CZ9Lhs7qOW23sFUZBXLDY4LN1DDnleKks/C13pK2b6PqcUVxDYx2U5uLUypOsf3W2h1KsMt/ERg9O9dLRVN3bf9df8AMlKyt/X9aDIEkjt40ml86RVAeTaF3nHJwOmfSn0UUhhRRRQAUUUUAYS6HqNhdXLaHqcNtbXMhle3ubQzCORjlmQh1IBPODuGemM4qPUfCv8AaEepK92Cb1rdx5kIdQ0WCNy5AYEjkcV0NFAdbnPwaDqkN1fXo1eBr28WFcmy/coIy3yhN+cEN/eznJz2FRvBs39gNpEV5ZC0nMhuIX0/dGC7bsxLvHl7ecZ3YPNdXRQBg3HhgTWesW4vGA1O3SAO6bjHtj2bic/Me/aqmuaaNX8S6TbxxXIFoS93L5TLE0QKuE3EYYl0TgE4AbOK6mijrcOlgooooAKKKKACiiigAooooA53VdGvLvUZpYQvlvtxlsdFAqn/AMI5f/3Y/wDvuuuoryamU4epNzle713N1XmlZGHoukT2V00tyFHy4XBzW5RRXdh8PDD0/Zw2MpSc3dhXnlxoF9Y6neg29xPBdXEcha3U8p5m5gSOnGa9DorrjNxTXck8qOj6umuaq8Fjf/2fPC8dvGwdsElccE+xruPBtpPZeGYYLuJoZQ7ko4wRljW7RTc/d5UgCiiiswMLVdLnjZp9OGd334wM8+oqnb+Hry6YPfS7B6d//rV1NFYujFu7OmOJnGNl94UUUVscxWm/4/Iv+ubfzWnU2b/j8i/65t/NadQA0f8AH5H/ALrf0qzRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAVpv+PyL/AK5t/NadRRQB/9k=)

1. Two things to notice:
2. First, take a look at the Reclassification table. When the input raster is a layer from Contents, the default reclassification table will import the unique values or classified break values as defined by the layer symbology. You can edit the breaks by clicking on ‘Classify’ below the table, and you can edit the values by clicking directly in the Reclassification table.
3. Second, ensure you are saving the file where you want it to go, and name it Reclass\_dem.
4. For this example, create a grid with values of ‘1’ (representing a ‘true’ or ‘suitable’ value) for elevation ranges between 500-600 and values of ‘0’ (representing a ‘false’ or ‘unsuitable’ value) for all other elevation ranges.

![Table

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAeAB4AAD/4REERXhpZgAATU0AKgAAAAgABAE7AAIAAAATAAAISodpAAQAAAABAAAIXpydAAEAAAAmAAAQ1uocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFNvcGhpZSBBcmdldHNpbmdlcgAAAAWQAwACAAAAFAAAEKyQBAACAAAAFAAAEMCSkQACAAAAAzM0AACSkgACAAAAAzM0AADqHAAHAAAIDAAACKAAAAAAHOoAAAAIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAyMDIwOjAzOjMxIDA5OjA4OjEyADIwMjA6MDM6MzEgMDk6MDg6MTIAAABTAG8AcABoAGkAZQAgAEEAcgBnAGUAdABzAGkAbgBnAGUAcgAAAP/hCyVodHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLjAvADw/eHBhY2tldCBiZWdpbj0n77u/JyBpZD0nVzVNME1wQ2VoaUh6cmVTek5UY3prYzlkJz8+DQo8eDp4bXBtZXRhIHhtbG5zOng9ImFkb2JlOm5zOm1ldGEvIj48cmRmOlJERiB4bWxuczpyZGY9Imh0dHA6Ly93d3cudzMub3JnLzE5OTkvMDIvMjItcmRmLXN5bnRheC1ucyMiPjxyZGY6RGVzY3JpcHRpb24gcmRmOmFib3V0PSJ1dWlkOmZhZjViZGQ1LWJhM2QtMTFkYS1hZDMxLWQzM2Q3NTE4MmYxYiIgeG1sbnM6ZGM9Imh0dHA6Ly9wdXJsLm9yZy9kYy9lbGVtZW50cy8xLjEvIi8+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczp4bXA9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8iPjx4bXA6Q3JlYXRlRGF0ZT4yMDIwLTAzLTMxVDA5OjA4OjEyLjMzNjwveG1wOkNyZWF0ZURhdGU+PC9yZGY6RGVzY3JpcHRpb24+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iPjxkYzpjcmVhdG9yPjxyZGY6U2VxIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpsaT5Tb3BoaWUgQXJnZXRzaW5nZXI8L3JkZjpsaT48L3JkZjpTZXE+DQoJCQk8L2RjOmNyZWF0b3I+PC9yZGY6RGVzY3JpcHRpb24+PC9yZGY6UkRGPjwveDp4bXBtZXRhPg0KICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICA8P3hwYWNrZXQgZW5kPSd3Jz8+/9sAQwAHBQUGBQQHBgUGCAcHCAoRCwoJCQoVDxAMERgVGhkYFRgXGx4nIRsdJR0XGCIuIiUoKSssKxogLzMvKjInKisq/9sAQwEHCAgKCQoUCwsUKhwYHCoqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioq/8AAEQgCNQF+AwEiAAIRAQMRAf/EAB8AAAEFAQEBAQEBAAAAAAAAAAABAgMEBQYHCAkKC//EALUQAAIBAwMCBAMFBQQEAAABfQECAwAEEQUSITFBBhNRYQcicRQygZGhCCNCscEVUtHwJDNicoIJChYXGBkaJSYnKCkqNDU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6g4SFhoeIiYqSk5SVlpeYmZqio6Slpqeoqaqys7S1tre4ubrCw8TFxsfIycrS09TV1tfY2drh4uPk5ebn6Onq8fLz9PX29/j5+v/EAB8BAAMBAQEBAQEBAQEAAAAAAAABAgMEBQYHCAkKC//EALURAAIBAgQEAwQHBQQEAAECdwABAgMRBAUhMQYSQVEHYXETIjKBCBRCkaGxwQkjM1LwFWJy0QoWJDThJfEXGBkaJicoKSo1Njc4OTpDREVGR0hJSlNUVVZXWFlaY2RlZmdoaWpzdHV2d3h5eoKDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uLj5OXm5+jp6vLz9PX29/j5+v/aAAwDAQACEQMRAD8A9v8AEOuQ+HNGk1K6iklijZQyx43cnHGfrXHf8Ll0b/oH335J/wDFV22r6ZZ6zaJYalD51tNIN8e4rnAJHIIPUCsj/hWHhD/oEf8AkzN/8XXdh5YRQ/fpt+Xb7zgxMcY5/uGkvPv9xgf8Ll0b/oH335J/8VR/wuXRv+gfffkn/wAVW/8A8Kw8If8AQI/8mZv/AIuj/hWHhD/oEf8AkzN/8XXTz5b/ACy/D/M5uTM/5o/j/kYH/C5dG/6B99+Sf/FUf8Ll0b/oH335J/8AFVv/APCsPCH/AECP/Jmb/wCLo/4Vh4Q/6BH/AJMzf/F0c+W/yy/D/MOTM/5o/j/kYH/C5dG/6B99+Sf/ABVH/C5dG/6B99+Sf/FVv/8ACsPCH/QI/wDJmb/4uj/hWHhD/oEf+TM3/wAXRz5b/LL8P8w5Mz/mj+P+Rgf8Ll0b/oH335J/8VR/wuXRv+gfffkn/wAVW/8A8Kw8If8AQI/8mZv/AIuj/hWHhD/oEf8AkzN/8XRz5b/LL8P8w5Mz/mj+P+Rgf8Ll0b/oH335J/8AFUf8Ll0b/oH335J/8VW//wAKw8If9Aj/AMmZv/i6P+FYeEP+gR/5Mzf/ABdHPlv8svw/zDkzP+aP4/5GB/wuXRv+gfffkn/xVH/C5dG/6B99+Sf/ABVb/wDwrDwh/wBAj/yZm/8Ai6P+FYeEP+gR/wCTM3/xdHPlv8svw/zDkzP+aP4/5GB/wuXRv+gfffkn/wAVR/wuXRv+gfffkn/xVb//AArDwh/0CP8AyZm/+Lo/4Vh4Q/6BH/kzN/8AF0c+W/yy/D/MOTM/5o/j/kYH/C5dG/6B99+Sf/FUf8Ll0b/oH335J/8AFVv/APCsPCH/AECP/Jmb/wCLo/4Vh4Q/6BH/AJMzf/F0c+W/yy/D/MOTM/5o/j/kYH/C5dG/6B99+Sf/ABVH/C5dG/6B99+Sf/FVv/8ACsPCH/QI/wDJmb/4uj/hWHhD/oEf+TM3/wAXRz5b/LL8P8w5Mz/mj+P+Rgf8Ll0b/oH335J/8VR/wuXRv+gfffkn/wAVW/8A8Kw8If8AQI/8mZv/AIuj/hWHhD/oEf8AkzN/8XRz5b/LL8P8w5Mz/mj+P+Rgf8Ll0b/oH335J/8AFUf8Ll0b/oH335J/8VW//wAKw8If9Aj/AMmZv/i6P+FYeEP+gR/5Mzf/ABdHPlv8svw/zDkzP+aP4/5GB/wuXRv+gfffkn/xVH/C5dG/6B99+Sf/ABVb/wDwrDwh/wBAj/yZm/8Ai6P+FYeEP+gR/wCTM3/xdHPlv8svw/zDkzP+aP4/5GB/wuXRv+gfffkn/wAVR/wuXRv+gfffkn/xVb//AArDwh/0CP8AyZm/+Lo/4Vh4Q/6BH/kzN/8AF0c+W/yy/D/MOTM/5o/j/kYH/C5dG/6B99+Sf/FUf8Ll0b/oH335J/8AFVv/APCsPCH/AECP/Jmb/wCLo/4Vh4Q/6BH/AJMzf/F0c+W/yy/D/MOTM/5o/j/kYH/C5dG/6B99+Sf/ABVH/C5dG/6B99+Sf/FVv/8ACsPCH/QI/wDJmb/4uj/hWHhD/oEf+TM3/wAXRz5b/LL8P8w5Mz/mj+P+Rgf8Ll0b/oH335J/8VR/wuXRv+gfffkn/wAVW/8A8Kw8If8AQI/8mZv/AIuj/hWHhD/oEf8AkzN/8XRz5b/LL8P8w5Mz/mj+P+Rgf8Ll0b/oH335J/8AFUf8Ll0b/oH335J/8VW//wAKw8If9Aj/AMmZv/i6P+FYeEP+gR/5Mzf/ABdHPlv8svw/zDkzP+aP4/5GB/wuXRv+gfffkn/xVH/C5dG/6B99+Sf/ABVb/wDwrDwh/wBAj/yZm/8Ai6P+FYeEP+gR/wCTM3/xdHPlv8svw/zDkzP+aP4/5GB/wuXRv+gfffkn/wAVR/wuXRv+gfffkn/xVb//AArDwh/0CP8AyZm/+Lo/4Vh4Q/6BH/kzN/8AF0c+W/yy/D/MOTM/5o/j/kYH/C5dG/6B99+Sf/FUf8Ll0b/oH335J/8AFVv/APCsPCH/AECP/Jmb/wCLpr/DPwbFG0kmlKiKCzM11KAAO5O+jny3+WX4f5hyZn/NH8f8jC/4XLo3/QPvvyT/AOKo/wCFy6N/0D778k/+KrRtfBnw6vpxBZR2dxKQSI4tRd2P4CSr3/CsPCH/AECP/Jmb/wCLo58t/ll+H+YcmZ/zR/H/ACMD/hcujf8AQPvvyT/4qj/hcujf9A++/JP/AIqt/wD4Vh4Q/wCgR/5Mzf8AxdH/AArDwh/0CP8AyZm/+Lo58t/ll+H+YcmZ/wA0fx/yDwv42tPFck4sbWeEQFQ5mIH3gxGME/3DXTDrWPpvhjR/Dcg/sW0+zfaJB5v7133bVfH3icfePStgda86s6TqN0k+Xz3PSoKqqaVZpy8tiN/9fb/9dP8A2Vqr69q40XSzcLCbiZ3WGCEHHmSMcKue3PU+masP/r7f/rp/7K1Zni2wubzS7eewjM1xYXcV4kIODLsPKj3IJx70qSi6iUtiqrkqcnDezsP/ALK1iW3LT+IriG5ZTlba3hEKHthXRmI+rc+3a7eapa6XHAt/MTNL8qJFEzvKQOdqKCxx1OM4rm/Euv6HeeHrqaLWTbX0MEhhgS+e2mWTHCtGGUlsjowP61UuhLZ+ItJv9W1O50uGbSltxdkJhZshmR2kRgpYc5OCSuK6o0ZTS59N9LW6ehxyrRhfk12636pa6nXRa1p02mvqC3caWsZKySS5j8sg4IYNgqQexwaitfEWm3d3FbJJNFNMpaJbm2lg83HXbvUbjg5wM8c1y99ptv8A2SdR0u+udYgOqwXd44CuJFTAYoI1AYABSdoPKnuDV7W9SsvEE2kWuhXcN9cJfxXDNbOH8iNDlmYj7uRxzjJOKSw8G9L/AOWnXT/IbxE0tbbffq9tf89/v2JfEulxXk9p50stzbsFlhgtpJXXIBztVScYI56cgZzTz4h0oaNHqxvU+wyFVWbBxlm2gEYyOTg56d8Vzuk6vpul+MfE/wDaVxDZl7iIrNOQiuBEvyhjwSOuOvNZ08P2jwlqN08BSz1LW4Z4I3TbviaWMbsejYJ+hqlhoNpO6vy6+tr20/qwpYmaUmrO3Pp/hvZvXyX3naNrunpYNeyzPDAH2BpYXQyN2CKQC+e20HPbNLZa5YX921rBJIlwqeZ5NxBJA5XONwV1BIzxkcVl+J822taHqdwGNhZzS/aGAJEW6Mqrt6AHqe2ahubu31zxfo0miXEV2lkJpLm4gYPGism0IWHGScHbnPGayjRjKPMr7N+lr6PT+ro1lWnGXK7dPnfqtf6sa0/iTTLe4lhaWWVoTiVoLaSZYj6MyKVU+oJGKW98RaZp9xJDczuXhUPMIoJJRCDyC5RSEGOfmxxzWF4W1jT9F0RdM1i5jstSgmkE0EzYeV2ckMgPLhsggrn0qhZmDTtT1y01jxFNo8s17JOEfyESeJwNrK0kZLcDaQDxt7Vp9WjzNa6fj5rR/qZvES5U9Nfw331Xp0Ovu9c0+yaFZZmkedd8UdvE87uv94KgJ2+/Smz+INOt1ty8srNcp5kUUVvJJIy/3tiqWA9yPauZvbTS9DjsJNP8RLpl/Z2KxxC/2n7TBncEZG2k8rj5cEenSi+vY3jsNZudWh8P6+LFTJb3IXZKhO4oUYhvvKfuncM/ShYeDs1e3/D20t/mDxFRXWl9P0vrdfK9r99zoTdWVxrmnSrf3SSz20jwWo3LHKnyksykfeGRjODyeKj/AOEw0TY8i3btHFIY5ZEt5GSFgcHewXCc92wMc9KyYLq5vvFXhe6v7c21zNp1w8sJBGxj5eRg8j6HmoNIRf8AhW2u/KPme/J46/M/+FDowUU5X+9fzSXbyCNacpNRtr5P+WL7+Z1d/q9jpscLXcxBnbbCkaNI8pxn5VUEtxzwKj0/X9N1S8ltLKdmuIUDywvE8bRgkgbgwBB46HnGD0IrlrG4j0zVfD+parIIbGTREt47mQ4jjm+ViGY8LlRwT1xirmj31tqPxI1OexbzIv7PhUSqPllw7fMp/iHbI44PpSeHiovfRN36b2/rUI4mUmtldrTrqr3/AKR11FFFcJ3hRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXPeI/GVp4YmjTUbG+aOQfJNDGjIx9MlhzXQ1W1DTrTVbNrXUIEngYglH9QcigCtoWtx6/p4vbe0ureFj8huVVS49QATxTtflEXh6/ZtxzA6gKpYkkYHA56kVfRFjRUjUKqjCqowAPSloA83sLq3l+IGiTW0cnlQWC20zC3cBJSD8p44PzDn3r0iq1rYRWlxdzRs5a7lEsgYjAIRU49sKKs0AcV4ouJtA16O/0Fmn1K+XbNpwBcXCqMB8DlSoHXvjHrWl4Migl0yTVFvWvry+YNdTNxhlzhNv8IXJGPetiLS7ODU59QjgUXdwqrJKSSSAMADPQcdBii10uzsry6urSBYpbtg05UnDkZwcdAeTyOvegB91/rLf/rof/QTTh1pt1/rLf/rof/QTTh1oAjf/AF9v/wBdP/ZWq1VV/wDX2/8A10/9larVABRRRQAUUUUAZWlaTLYaxq93I6Ml/OkiKucqBGF5/EVq0UVUpOTu/wCraExioqy8397uFFFFSUFFFFABRRRQAUUUUAVLttQSaM2MVtLHtIdZpGjOeMEEK3HXjHpzVTS9Kng1S91TUZI3u7oLGEiB2QxLnaoJ5Y5JJOBk9hitairU2o2RDgnK7CiiioLCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigCvdf6y3/AOuh/wDQTTh1pt1/rLf/AK6H/wBBNOHWgCN/9dD/ANdP6GrVVX/1sP8Av/0NWqACisFrq81u4nSwufsOm27lJLtADJMw+8EyMKoPBbnJBx61DYWMGo2putD17U8qxVZZJGkRmHX5XGGH0x7GgDpKKzNK1Ka4mnsdSjSK/tsFxGTslQ9JFzzg8jHYjFadABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRWbqOv2GlXcNrdtcNcTozxxW9rLOxVSATiNTgDI6+tAGlRVTTdVs9Wt2msJvMVHMcisjI8bjqrKwDKfYgGrdABRRVHSdWg1mze5tUkREmkhIkAB3I5U9CeMjigC9RRRQAUUjtsjZsFtoJwoyT9KyZ/EUFtolrqM9neRtdukcNm8QWdpHPCFScA/UgD1oA16Kjt5Xmt0kkgkt3YZMUhUsnsdpI/ImpKACiiigAooooAKKKKACiiigAooooAKKKKACiiqOr6j/ZlgZUjM08jCK3hH/LSRvuj2HcnsATQBeormdQ0i3ttHutU8Rl9VnghaV4yxWJcDO1EzgD3OT6mmWFiTottrHhgPZyTQrN9hkkLQygjO0gn5T6MMe4NAHQ3X+st/8Arof/AEFqcOtVIL+LU7KyvLfcElYnawwVIVgVI9QQQfpVsdaAI3/1sP8Av/0NTT7/ALPJ5P8ArNh2fXHFQv8A62H/AH/6GrVAHBaz/aH/AAqOz/sPG37JF9oxnft2jfj3znP41Fpn/Cd/2Xbf2X/Yv2Pyx5Pl527ccV0ht7vQriZrK1N7pk7l2to8eZAzfeKAnDKTzt4IJOM9KhsNQtdNtTa6HoeqEsxZYXgkjQMf9qThR9PwFAE8vmf8JVo+/b9o+xz+ft6bf3f6bsYrdrM0rTZ4Z57/AFN0kv7gBW8vOyJB0jXPbOST3J+ladABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXI65Jex/EPSW022guZv7PufknnMS43x/xBG59sfjXXVRl0qCbXLfVWeQT28DwIoI2lXKkkjGc/KO9HVP+tmHRr+tzgf7TuYdJlv7Q3Calr2rpa3cMCoslmVXaYl3tt3YTAYkZ3bgBwK1o7jVtEnvr6HTtUh0uHTpZpI9TvUuD5ycrtPmuwBGQRkDgVr3/g7TdQvL24ke4iN6I2kWFwoWWP7kynGRIOmc4OOQavWekvAZPtup3mpLInl7LoRBQp6/LGig59Tn2xk5XTT+tLf1/mPr/Xe5n+H9IZ7Gw1S91K/ur2WNZ5GN24hYsv3REDsCjPHy54BzmsfRbuztfBc4v57qFJtVuY0Fnv8AOlbz3IRdnzZOD0wcZ5HWug03w4NKeBLTVNQ+xW5PlWLujRoMEBdxTzCozwCxxgegqJvCNidLSzjnuYzFeNew3CsvmRSs5YkZXbj5iMEHg/jVO19Nv+Cidbef/AZi6VcapH4g1bTLJL+0DaaLi1h1S4Fw0cxLKGDeY52nA4J6g8eq6FcMVns1k1az8SrZPmDU7h5I5Xwv71Ms0ZUPx8mMZIxitq38KQ29/eX51LUJb28tfs0ly8iBgMkhlAUKpGeMADjOM5JcnhlDdSXd3qd/d3ht2t4rmQxq9urfeKBEVQcgHJBPApdP689h9f68jF8PXcKPLbXj6zaa5HZsZ7e/uZHSU4XdLH8xjI3cApjGTwKzLi3/ALV8HeCrm+uLuSeW6tVeQXcqltykknDD5v8Aa6jsa6+38ORpfm+vr+71G68hoI5bnyx5SN94KI0UZOByQTxQnhiyTSdJ04Sz+TpUsUsDFhuYxjA3ccjnnGKfW77r8G/0F0svP8kYsmpz+FtQ1+Ceaa4gFql7p6zTNI2ceWYwWJP3wv8A33XR6DZ3FhoNnbX08lxdJEPPllcuzOeW5PbJOPasPWtPXxD4w0qMWlwIdLkaa5uJInjRuhSNScCTLhWOMgbOtdZSW39f1/ww3v8A1/X/AA4UUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVi64RFqmhzynEKXpViegZonVT+Zx+NbVQX1lBqNjLaXSb4pV2sO/1HoR1BoA4vxVZ+Lv7I1aSTU7A6f5MrGIQkP5eDxnHXHvTfCtp4uOjaVJFqenrp/lRkRNCS4jwOM464962ruDWF0240y9tG1e1miaL7RBKkUxUjHzK2Fz7g8+lMtdN1K50qDSRC2labDEInLTLJcSqBjblflXI6nJPpigCXQCHsTPHzDPqNzJCR0KFnwR7Hk/jW2OtRSRR26WkMKLHHG21EUYCgIQAKlHWgCN/9bD/AL/9DVqqr/62H/f/AKGrVABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBXuv9ZB/10P8A6C1OHWm3X+sg/wCuh/8AQWpw60ARv/rYf9/+hq1VV/8AWw/7/wDQ1aoAKK5TV7vUZvH1npFtqs9haSafJcOYI4ixZXAHMiNxg0eG/E2oX3hmC5uLC41O4M0sIlsljRZkRiol+d1UZ44B5OcDHQWqv/W9gej/AK7XOrormB4902S10qW2tb64bVWkjghjiXerp95GBYAHPGc47kgc1a1XxSujW7XV9pGoraRKhnuFWIrDuxwRv3NjIyVDD3ODQBu0VzV942tLK+1G1i07ULxtNhSe4a2SMqI2XduG5xngdOvoDUth4xsdQv7G3S2u4Y9RjeSyuZkVY7gKASAN24HBz8yjIHFAHQUVzn/Ca2G6CX7Lef2dcXAtotS2J5DOSQP4t+0sNu7btz3xzUOleLLq68Ra7Z6jYNa2WmFT9oYoBGuzcTIfMOc9RtHA64NH9f194HU0VgWvi+1uL6yglsr60j1EMbK4uEUR3GBnAwxZSV5AcLke/FVbfx9p9xokurix1COxjJjErxoPMk37BGo35JJxzjbzyQQQADqaKqafey3sTtPp91YOj7fLudhLcA5BRmBHPr2NW6ACiuNsdYW68SajbX3is2csOoeTb6eHtl8xNqkDDIXOSSOD9K0bjxlaW5u3NhfvbWVwbe6uVjXy4TkDJy25hyD8oOB1xQtbef8AX6hsdDRWW3iGzS31WaUSxjSiROrKNxAQOGUZ5BB49azT4gs7CTWtTuP7SAtbeCWe1lKlYgVJARc8N/e56igDpqKxJPEyR+Qh0u/N1dM32a12xiSZFAJk5fCLgj75U54xnimv4tsorETy214kou1s5LXyw0scp5AIBIIIwQQSMEUAbtFYEni+0t9P1K4vrK9tZNMCG4tpEQyBX+6y7WKsDz0bsaT/AIS1Pt/2D+x9T+3NF50VsUjDSxZwXDF9qgHGQxVuRxQB0FFYaeK7SexsprK2urqe9DGK0jVRKNhw+7cwVdp4JLYz0zkU1vFtp5dn5Vneyz3kksSWyRr5iSR/eRstgEYPOdvfOMGgDeorlNR8ZSx6db3Gm6XcySnUVsrmCURh4W3AFf8AWAEkEbSCV55NaSeIvN1BrSDSr6ZomjS5dPK227uAdrfPkkBgSVDAZ60b/wBf13A2aKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAoorFvL+a4muEt5/s1pagie4UZYkDJC54GB1NXCDm7Iic1BXZtUVxtpfO81u0U+qW63JxBNcSCRJD6FT0z+FdLpt812kkdwojuYG2yovTnow9jWlSjKGplTrxqOxLdf6yD/rof/QWpw6026/1kH/XQ/wDoLU4dawOgjf8A1sP+/wD0NWqqv/rYf9/+hq1QBzWqeFItX8aWmp6hbWd3YQ2TwGC4jDneXBDBSCOmec5pniLw5dajqGmSWkNldafaI6SaZdu0cDEgBGwqsCV5wCMemKn1TWfElrqUsOm+Fft9suNlz/aMcW/gE/KRkYOR+FVP+Eh8X/8AQj/+VaH/AAreOHm0rNf+BR/z8znliYKTTT/8Bl/kUNC8D6jpbeHfOlsyNLuLuWYRFgCsoIUINvbPIOMe9ReJfA2q61c618um3Yvgn2O5vZHMlkABlEXYQATnkEHnkGtT/hIfF/8A0I//AJVof8KP+Eh8X/8AQj/+VaH/AAp/V591/wCBR/zF9ap9pf8AgMv8hU8LXq3viOYy2+3VbGK3gG5sqyxMhLccDJHTNNh8J3qN4R8yW3K6LA8Vzhm+cmHZ8nHPPrjil/4SHxf/ANCP/wCVaH/Cj/hIfF//AEI//lWh/wAKPq8+6/8AAo+fn5i+tU+0v/AZenbyKOh+B30ZYbR9F8P3kUE+6PUZo/8ASPL3buV8vlxyAd47Htir7eFruTWPEYleBtO12FVaRZGEsJEZThduGHfO4fSk/wCEh8X/APQj/wDlWh/wo/4SHxf/ANCP/wCVaH/Cj6tNqza/8Cj/AJj+tQTulL/wGX+RH4d8KzaU9klzoXh5HtRtbULZP30mAQGC+WNrHgk7z39eJdJ8NXumeBI9GuLbTdRlErtJDcO3kyK0pfGdhOQCP4TyPxpP+Eh8X/8AQj/+VaH/AAo/4SHxf/0I/wD5Vof8KHh5vdr/AMCj/mJYqmukv/AZf5FvwhoN1oFlcwXEipBJNutrOOd5ktUwBtV3AYgkZ6ADPFdDWToeoaxf+f8A21of9k7Nvlf6Wk/mZzn7o4xgdeufataspxcXZ/nf8TeElKPMvyt+DOdsLHW9L1TUTBa6fcWt7em4Ej3jo6KVVSNoiIJ+X+9Tbvw7d3HhnX9OSSETalLO8LFjtUOON3GR+ANdJRUbfdb8v8jTrfzuc5qfhqa91y3uYZY0tJVjXUIiTmURNvjxxg8kg5xxUereGry/XxGIZIF/tSGGOHcx+UoCDu4469s109FHSwloYuqaZfHV7LVtKMD3NtFJA8Fw5RJY32k/OFYqQUB+6c8jjrVJPDl7JN9tuZLcXc+pxXs6IzFI0RNgRSRljgDkgZJPArp6KNv687/mH9focvrfhm81K41p4JYFGoWttDFvYja0buzbsDphhjGa1H0yZvF0OqBo/IjsntyuTu3F1YHGMYwp71qUUdbhvf8Ar+tjip/BUzJYzyWumajNay3W61vRmKSOWUuCGKNtYfLztPce9atnoElvdaTNFaafYJaGdpbezGEBcYG35RnoMkgZ9K6CijpYN3c5W78M37pqMkD25mm1aHULdHdlUhFjG1iFJUnY3IB7Ut7omq32tQ3q2unWE6SRs1/bXUnnGMbS0TJsUSAkFfmbGCDjIxXU0ULS39dv8geoUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABWFo6qLOe3kUeZHPKsqnnJLE5/EEVu1n3mmvJcfarGbyLnG1tw3JIB0DD+orWnJK6ZjUi3aS6GXFBPf62zXMTQWlgw+zx7cCRsEbvoOw96uWH7zxJePGPlSCON2B6tljj6gH9aq2mjanBcXDo1pbG6ffLIjNI2f9kEADr71t2VnHY2whh3EZLMzHLMT1JPrW9WcbWTMKVOV7tdbiXX+sg/66H/ANBanDrTbr/WQf8AXQ/+gtTh1rjO0jf/AFsP+/8A0NWqqv8A62H/AH/6GrVABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBXuv9ZB/wBdD/6C1OHWm3X+sg/66H/0FqcOtAEb/wCth/3/AOhq1VV/9bD/AL/9DVqgAqvf31tpljJd3snlQRAF32k4ycdBz1NWK5/x1/yJOo/7qf8Aoa0AdBRXC64Lpm8V3q6lfRNpqJLaRxXDIkbCEOSVBwwJ6q2R14yTU58vU9c1wahrF5axW1tBMkcN40IgBjJMnykZHsfl45FK9lcdtf6/rqdnTDPELhYDKgmZS6x7huKggE464yRz71yGh6zdS3Hn6vcmItoNvdSK7bFVt0m99vQHG3J+lVNAt0vta8NXt1cXclxJofnMxu5RvYGLkjdg5zyMYPfNVb3rf11/yJb0v/XT/M72iue12KS88S6PZG6uoLeWO4aZLedojJt2EAlSCOT2Oevqawb3Up/7WtdSsGuIYH1dbLfcam/77D+W6rbYKbeDgkhuN31S1aX9dhvRXO+ZgqlmIAAySe1NiljnhSaCRZIpFDI6NlWB6EEdRXGrE41O8tdWmvpZL2O4ktrm21CTyJI1P3NisPLdRtGVGDz8xJIrOtPtcek+FdK05na3vbE3D+bqk0BlcImEWVQzAAFm2LgcegIItfw/X/IHp+P6f5no1FcTDaajJe6Npup6jLsY3fmCzvpCWRWXYjSgKzFehPB4Oepz2w4FABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBXuv8AWQf9dD/6C1OHWm3X+sg/66H/ANBanDrQBG/+th/3/wChq1VV/wDWw/7/APQ1aoAKq6gYWhSC4tPti3D7BDtVgxALchiB/DVqq1z/AMf2n/8AXwf/AEVJQBA8QlWdZNDkdbkYnDCEiUYx83z88cc9qzW8P28+q3V5qGhfbRMYzFHPDA3k7V2/KS568dMdK6qoLK9t9RtFubOTzIWLKG2kZKsVPB9waAMu7tYb+WGW+8Pm5kt23QvMkDmM8cqS3B4HT0pGs4H+y7/Du77Hj7NlID5GP7nzfL0HT0rcooAy2aR5kmfR5mljBCOTCWUHrg7+M4H5VU/s2z+2vef8Iyv2qRgzz+Vb72IIIJbdkkEA/gKt/wDCRaaNTWwaWVJnlMKO9tIsTuASUWUrsLcHgNnII6ilXxDYPqb2EYu5J45BE5jsZmjVsA4MgTYOCO/GaF5A/MrWtjb2V1Nc2Xh37PPOcyyxRwI0nOfmIbJ555qM6TYNYmybwvGbRn8w25ht/LL/AN7buxn3q43iTSk1Uae1ywnMohz5L+X5hGQnmY2bsfw5z7VdtL23vlla1k3iKVoX+UjDqcMOfegDNgt0tlgW20FoVt1KwiNYFEQPULh+AcdqsfaLn/oGXX/fcX/xdaNFAGd9ouf+gZdf99xf/F0faLn/AKBl1/33F/8AF1o0UAZ32i5/6Bl1/wB9xf8AxdH2i5/6Bl1/33F/8XWjRQBnfaLn/oGXX/fcX/xdH2i5/wCgZdf99xf/ABdaNFAGd9ouf+gZdf8AfcX/AMXR9ouf+gZdf99xf/F1o0UAZ32i5/6Bl1/33F/8XR9ouf8AoGXX/fcX/wAXWjRQBnfaLn/oGXX/AH3F/wDF0faLn/oGXX/fcX/xdaNFAGd9ouf+gZdf99xf/F0faLn/AKBl1/33F/8AF1o0UAZ32i5/6Bl1/wB9xf8AxdH2i5/6Bl1/33F/8XWjRQBnfaLn/oGXX/fcX/xdH2i5/wCgZdf99xf/ABdaNFAGd9ouf+gZdf8AfcX/AMXR9ouf+gZdf99xf/F1o0UAZ32i5/6Bl1/33F/8XR9ouf8AoGXX/fcX/wAXWjRQBnfaLn/oGXX/AH3F/wDF0faLn/oGXX/fcX/xdaNFAGd9ouf+gZdf99xf/F0faLn/AKBl1/33F/8AF1o0UAZ32i5/6Bl1/wB9xf8AxdPtrn7R5oaKSF4n2Mkm3IO0N2JHRhV6s62/4/tQ/wCvgf8AoqOgCzRVOZ7iW+NvBIsSrGrs+3Lckjjt2psn2q1Us13C0f8AenXbj8RgVg61r6Oy66f5lcpeorPttRD3nky3Fq+VBUxP1OcY69a0KunVjUV4icWtyvdf6yD/AK6H/wBBanDrTbr/AFkH/XQ/+gtTh1rQRG/+th/3/wChq1VV/wDWw/7/APQ1aoAKrXP/AB/af/18H/0VJVmq1z/x/af/ANfB/wDRUlAGVeqNU8ZT6fe3l3bW1tYpPClvcvB5jM7B3LIQWChVGCcDdyOa5fTLq/uNI8OaZYyrNb3a3crSNfvZm5ZZTtAkiQtnBZsLjOPQEH0O+0nTtU8v+07C1vPJO6P7RCsmw+oyDjpST6Rpt1YiyudPtZrUNuEEkCtGGyTnaRjOST+NH9f1/XQOv9f1/wAOcpHa6k9zoWm6nqUux5rsSCzvpGLxqPkRpQFZivQtweOTyarWiXVtp8F+dV1Cae31z7Enm3TsrQfaDFsdc7XO053MC2cc8Cu4g06ytkgS3s7eJbYEQLHEqiIHqFwOM+1L9htPL8v7LDs83ztvljHmbt2/H97dznrnmn9q/wDXT+vmL7Nv66/18jDnZ/FGpRw2wVNM068Dy3B+9PNGc7EHZQ33mPcFQOpFXUEfw/exX+l6rJKmoaqiTWEgjeORnIR9hChwygbvvEDYcithvC3h9rs3TaFppuC/mGY2ce8tnO7djOc85qxDoul22ovf2+m2cV5JnfcpAqyNnrlgMnNJaW/rt/kN6/16/wCZxjlH8Cz2oA+2trjR+XkbjN9s3jv124b/AHeelJoVzNceK7jTr2aaysl1G5mtfKcp9ulEjFkZgeAoGdn8XXkAiu2/srTzqY1E2Ft9uC7RdeSvm4xjG/GcY96WTTLCaLyprG2kj83z9jQqR5mc78Y+9nnPWiOjv/XT/IHqmv66/wCZaooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKbIgljaNiwDAglWKnn0I5H1FOooA4Dwt8ONS0HxhfarqHjLXdVsC2bGwudQmdYgRz5mWw+DwOOnWuutv8Aj+1D/r4H/oqOtGs62/4/tQ/6+B/6KjoAxvEVy0Ny8aEgyxICQewZv/rVz5dm+8xP1Nd7La287BpoIpGAwC6AnFM/s+y/584P+/S/4V4GKyurXqufPodUK0Yq1jltAg87V4yRkRguf6fqa7GoorW3gYtBBHGSMEogH8qlr0MDhPqtLkbu73Mqk+eVyvdf6yD/AK6H/wBBanDrTbr/AFkH/XQ/+gtTh1rvMiN/9bD/AL/9DVqqr/62H/f/AKGrVABUc1vDcoEuIY5VByFkUMAfXmpKyvE2pT6P4bu7+zEbTwqCglUlclgOQCCevrQBa/srTv8Anwtf+/K/4Uf2Vp3/AD4Wv/flf8KzbHUtRg1+bTNWms7hUtBc/aLaJoRENxXa6s79eoOR0bjirVj4j0zUJmjtp3DCMzAzQPEHjHV0LqA68j5lyOR6igCx/ZWnf8+Fr/35X/Cj+ytO/wCfC1/78r/hWRe+LbY6Nc3WkF5XiVHRp7WVI5FZwu5WYKHHPVSR0q/feIdN0268i8lljI2hpBbyNFHuOBukClF/4ER1FAFj+ytO/wCfC1/78r/hR/ZWnf8APha/9+V/wqFte09NUOn+bI1wpCsUgkaNGIyFaQLsU45wSDyPUUum65Yas7rYPLIFG4O1vIiOucbkZlAccdVJFAEv9lad/wA+Fr/35X/Cj+ytO/58LX/vyv8AhWLceJJf+EqutNiYW9vZWvnTSy2Ez7iQ/RhhVUbc553cgcir8niCysbO1a9uGnlnhEo+yWkrllwMv5ahmVee/TOM0dLh1sW/7K07/nwtf+/K/wCFH9lad/z4Wv8A35X/AAqnHriTa2sMcsDWDaeLxZweoLYzuzjbjmqieLba81zTLLTmZ0vDIWM1vJGWRULBoywAYZA5GRyPUUAa/wDZWnf8+Fr/AN+V/wAKP7K07/nwtf8Avyv+FW6KAKn9lad/z4Wv/flf8KP7K07/AJ8LX/vyv+FW6KAKn9lad/z4Wv8A35X/AAo/srTv+fC1/wC/K/4VbooAqf2Vp3/Pha/9+V/wo/srTv8Anwtf+/K/4VbooAqf2Vp3/Pha/wDflf8ACj+ytO/58LX/AL8r/hVuigCp/ZWnf8+Fr/35X/Cj+ytO/wCfC1/78r/hVuigCp/ZWnf8+Fr/AN+V/wAKP7K07/nwtf8Avyv+FW6KAKn9lad/z4Wv/flf8KP7K07/AJ8LX/vyv+FW6KAKn9lad/z4Wv8A35X/AAo/srTv+fC1/wC/K/4VbooAqf2Vp3/Pha/9+V/wo/srTv8Anwtf+/K/4VbooAqf2Vp3/Pha/wDflf8ACj+ytO/58LX/AL8r/hVuigCp/ZWnf8+Fr/35X/Cj+ytO/wCfC1/78r/hVuigCp/ZWnf8+Fr/AN+V/wAKP7K07/nwtf8Avyv+FW6KAKn9lad/z4Wv/flf8Knht4bZClvDHEpOSsahQT68VJRQAUUUUAFFFFAFe6/1kH/XQ/8AoLU4dabdf6yD/rof/QWpw60ARv8A62H/AH/6GrVVX/1sP+//AENWqACsbxbp8+q+Fb6ytIhNNMqhYyQN3zAnrx0BrZqnqDTbrSKCZoTNPsZ1UE42Me4I7CgDndQ8MTQ/2jpmhW8drpmr2jpIIdsaWs+3AcKMfK4wCFHVQcck1VTw1JqWm3NtJpeo6fdtYSW63N5qjXMaM4AIQea52nHUqpwBx6df/Zt1/wBBW4/79x//ABNH9m3X/QVuP+/cf/xNA+tzAvhq2r+GZ7BtElsp1jiADTxFHYOuQhVjwADywXtxWd4o0nW9UbVoFtb26EqgWDRXywW8abRuDqHVnYtu+8rL90ZAzXYf2bdf9BW4/wC/cf8A8TR/Zt1/0Fbj/v3H/wDE0dbiWisYEllqMfifz9Nsbm2SSTN47zxtbXaCPAOzcXWThRkKOnJIxUnhezv7K4mjNtd2OlrEggs7yaOVon5yI2VmPl4xwx47ADitv+zbr/oK3H/fuP8A+Jo/s26/6Ctx/wB+4/8A4mhaAZF5pl5LqmuzRw5ju9MjghO4fO487I68ffXk8c1kzeH7uDUra8msdQvY206G2ePT9RNvJC8eeuJUVlO49zgjpzmut/s26/6Ctx/37j/+Jo/s26/6Ctx/37j/APiaP6/P/MHr/Xp/kczP4YnmgmtLOD7DBLohs03S+Z5UjMTtJJJbGetTxJq2oa5ok9xor2MViJPPaSeJvmaPaNgVjlc9zg9OOuN/+zbr/oK3H/fuP/4mj+zbr/oK3H/fuP8A+Jo/r83+of1+X+RZoqt/Zt1/0Fbj/v3H/wDE0f2bdf8AQVuP+/cf/wATQBZoqt/Zt1/0Fbj/AL9x/wDxNH9m3X/QVuP+/cf/AMTQBZoqt/Zt1/0Fbj/v3H/8TR/Zt1/0Fbj/AL9x/wDxNAFmiq39m3X/AEFbj/v3H/8AE0f2bdf9BW4/79x//E0AWaKrf2bdf9BW4/79x/8AxNH9m3X/AEFbj/v3H/8AE0AWaKrf2bdf9BW4/wC/cf8A8TR/Zt1/0Fbj/v3H/wDE0AWaKrf2bdf9BW4/79x//E0f2bdf9BW4/wC/cf8A8TQBZoqt/Zt1/wBBW4/79x//ABNH9m3X/QVuP+/cf/xNAFmiq39m3X/QVuP+/cf/AMTR/Zt1/wBBW4/79x//ABNAFmiq39m3X/QVuP8Av3H/APE0f2bdf9BW4/79x/8AxNAFmiq39m3X/QVuP+/cf/xNH9m3X/QVuP8Av3H/APE0AWaKrf2bdf8AQVuP+/cf/wATR/Zt1/0Fbj/v3H/8TQBZoqt/Zt1/0Fbj/v3H/wDE0f2bdf8AQVuP+/cf/wATQBZoqt/Zt1/0Fbj/AL9x/wDxNH9m3X/QVuP+/cf/AMTQBZoqt/Zt1/0Fbj/v3H/8TR/Zt1/0Fbj/AL9x/wDxNAFmiq39m3X/AEFbj/v3H/8AE0zT2m3XcU8zTGGfYrsoBxsU9gB3NAEl1/rIP+uh/wDQWpw6026/1kH/AF0P/oLU4daAI3/1sP8Av/0NWqqv/rYf9/8AoatUAFU73/j707/r6/8Aab1cqne/8fenf9fX/tN6AIhf3Nv4yksbqTdaXNmJ7bKgbGRtsgz3yHQ8+9Yh1jW77w3bGwuVi1HWbqRrJmjUi3gG5lJGMEbFXk55f6Vq+LdDvNbsIRpVxHa3kTkCWTOBG6lJBx32tke6io5fCiXmvJcXTyRWVnaLbWMdpdywuvPzlihXjAQAZPSl/X6/5L7x/wBfp/wSO68QXE+haDf2beQ19e28U6YBwGJDpyOxBGevFaN9e3EPijSrSOTEFxFcNKm0fMVCbeeoxk9Kwn8JalZ2722ltby20Oqxahax3VzJux1kRnKseWyQeepzWnd2OtXctjqQt7CHULGRwtv9rd4ponUBgZPLBU5AP3D9334f+f6L9Sev9d2UfEOt39l/wkf2e68lbKxt5YG2KfKZmcM3IOeFHXI4rU8P3NrdGdrPxOddC7Qw8y3cRdf+eKL1989Kzrvw7qmo6Zrcl01pHqGpRpFHCkjGKJEztBfaCSSWJO0dQMcZO7p82rSO/wDatlZ2ygDYba8eYk+4aJMfrQBeooooGFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABWXZf8feo/9fX/ALTStSsuy/4+9R/6+v8A2mlAEl1/rIP+uh/9BanDrTbr/WQf9dD/AOgtTh1oAjf/AFsP+/8A0NWqqv8A62H/AH/6GrVABVPUFm3WksELTGGfeyKwBxsYdyB3FXKKAK39pXX/AECrj/v5H/8AFUf2ldf9Aq4/7+R//FVZooArf2ldf9Aq4/7+R/8AxVH9pXX/AECrj/v5H/8AFVZooArf2ldf9Aq4/wC/kf8A8VR/aV1/0Crj/v5H/wDFVZooArf2ldf9Aq4/7+R//FUf2ldf9Aq4/wC/kf8A8VVmigCt/aV1/wBAq4/7+R//ABVH9pXX/QKuP+/kf/xVWaKAK39pXX/QKuP+/kf/AMVR/aV1/wBAq4/7+R//ABVWaKAK39pXX/QKuP8Av5H/APFUf2ldf9Aq4/7+R/8AxVWaKAK39pXX/QKuP+/kf/xVH9pXX/QKuP8Av5H/APFVZooArf2ldf8AQKuP+/kf/wAVR/aV1/0Crj/v5H/8VVmigCt/aV1/0Crj/v5H/wDFUf2ldf8AQKuP+/kf/wAVVmigCt/aV1/0Crj/AL+R/wDxVH9pXX/QKuP+/kf/AMVVmigCt/aV1/0Crj/v5H/8VR/aV1/0Crj/AL+R/wDxVWaKAK39pXX/AECrj/v5H/8AFUf2ldf9Aq4/7+R//FVZooArf2ldf9Aq4/7+R/8AxVH9pXX/AECrj/v5H/8AFVZooArf2ldf9Aq4/wC/kf8A8VR/aV1/0Crj/v5H/wDFVZooArf2ldf9Aq4/7+R//FUf2ldf9Aq4/wC/kf8A8VVmigCt/aV1/wBAq4/7+R//ABVH9pXX/QKuP+/kf/xVWaKAK39pXX/QKuP+/kf/AMVR/aV1/wBAq4/7+R//ABVWaKAK39pXX/QKuP8Av5H/APFUf2ldf9Aq4/7+R/8AxVWaKAK39pXX/QKuP+/kf/xVH9pXX/QKuP8Av5H/APFVZooArf2ldf8AQKuP+/kf/wAVTNPWbddyzwtCZp96ozAnGxR2JHY1cooAr3X+sg/66H/0FqcOtNuv9ZB/10P/AKC1OHWgCN/9bD/v/wBDVqqr/wCth/3/AOhq1QAVzvj4A+BdTBTeCi5Xj5vnXjmuiqnq2mQ6xpc1hctIkUwAYxkBhgg8ZB9KAOSsrix0TUNZ1S20v+xrfT7EG401VRGlbl1k2xkpjGVDAkk7gcbamg8YX9rHPc6nayS2sdnJcuY9MubbyGUA+WXl4fOSAw29OnPHQX+g2epX63Vz5mfs720sakbJ4n/hcYycHkYIIyfWorXw6kVtJa3mo32o2jwG3FvdshUIeDyqqzHAxliT78mjW39ef9f1qaX/AK8v+CZOu/2y3hG7k1iWxKyJEwitoXUxN5i/KWLkOPfC9OnNO8S+KbnR7q4a0uLWdLREea0WzmmkweTvlQ7YcjpuU9M9OmgvhhW02SxutW1G7t3RERZnjJjCsCMEICTwBltx96ZqPhG21Jr4Pf30NvqBDXFtC6BHcKFDZKlgcKvAbBxyDzk6/wBf1/XzEttSP+275vFcmntLaWkakeRb3ELiS8XYGZo5NwXgnBUKxG0k4yKzP+Egur7w1qE2ojTLh41jE2ly2rq9sWcDZKrt8wweGwoOMjIroJ/D6XOoJcXOoXksUcvnRWrMnlxvt2hgQu/jJON2MnpVc+E4JorgX1/e3ss8SQmeYxh1RW3BRtQDr1JBPvQvP+v6/rsN/wBf1/X6mPe28/8AwmmsXlyLC6jsNLV4IprQsUDCYYDF8DO35iB8wwOMZN+11K/u5LbTNCSxsvI0+G4maW3Z403ghI0RWXA+Vuc8AAYOeNebRree6vp3eUPfWy2sgBGAq78EcdfnPr2qrN4aiMsE1lf3lhcQ262xmtyhMsY6Bg6MpI5IIAIyeeaX9fn/AMAHvdf1t/wTK8QeKbzRpZWhuLOc2kaPcWkVnNM3PLbpUO2HI+7vB6Z6dFludUj8ReIGlureeyg09JVtZLdiCCsuB/rMdvmOPmGBxirt94Otr9byN9R1CK3vsG4gjkTbIwUKHyVLZwq8A4OOQec3LnQIbjULi6F1cxfarX7NPEhTZIoDAHlSQRvPQj3BolrHTca3+4zbTUr68kttM0MWFiILCG4maS3Z0TeCEjSNWXA+Vuc8cDBzxHF4i1e+k020tI7OC5uHuobl5VaRI3gYKWUAqWBPYkdRzxzpS+G4vMgmsb68sLiG3W2M9uUJkjXoGDqynB5zjIyecHFS2vh+zs5bGSAyg2SyhMtneZCC7MTySSM59Sap2bZKukv66f5h4d1ObVdHE92sa3EcssE3lZ2F43KErnkA7c4961Kp6ZpkOk20kFu0jLJPJOTIQTudyxHAHGTxVykMKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigCvdf6yD/rof/QWpw6026/1kH/XQ/8AoLU4daAI3/1sP+//AENWqqv/AK2H/f8A6GrVABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBm3/iCw029S0uTcvcPH5ojt7OWc7M4yfLVsDPrVyzvLfULKK7spVmgmUPHIvRga5fV11RvHmdEmtY7ldIcgXMLOr/vRhchl28455+lZaXUk9t4f0vRNwtbmOeSZJ797SR51YFo2kiQkMGZyVUDO30GCLVf13f+QPR/12R6FRXDtfaj4Yt7O/1a6+0xAXNq0cVy86g5LxAsQCzjY0e4jJJGeagMOtzapb6JLI0zw6clw+/VprRpZXZvMYNGrMwU4AXIAyODxgD+v0O/orjtPhvrrXLWHVdUkc2+lRTubW5ZYpZd7DzCV27hgcjAB7jGKyp9Q1DRNFvYZJbkat5cBlu5L9pbZ45JdrToTnyurZGwBewYCj+vxt+n9ah/X9feejVSi1iwm1mfSY7lTfW8ayyQYIIVuh6YP4dKyvDtlqdlqN0l5JGts0SMlv8A2nLeujZbLbpFDBSABjJGVOMc1m3mnzT+JdZ1DTkDajp7wS246eaPKw8WfRl49jtPah6AtTrba9gvGnFvJvNvKYZPlI2uACRz14IqevN01qe701pNIYLBqmumN3kuGtyFMQOwyKrMjFgF4Gc8DBORoO+p+HoY7/U71UsrO/AlhW/kufKhkj2kO7hS2HZWG4EgHg4xR018v0/zDrp5/r/kdxVc39supLYNJi6eIzLGVPKAgEg9OCRx15ri9FvtVk1S00m/upvtM1wNSky7ZWBo93l8fwiU7cegrc8UFLCTTdcdtiafcbZ39IZBsbPsCUb/AIDRtv8A1/T/ACDfY2IL+2uLy5tYZN81qVEy7T8hYZAz0Jxzx6illvYILy3tZZNs1xu8pdpO7aMnnoOPWuKgLT2doiQXD32syT6mVW/ezRY/lC75E+fhDGAoB564xkLoF7PqA8Lz3M/2iT/TUEvmb94XKqd2Bu4A+bAz1oeiuB3dFcRYavMdI8G/6ZJLc3JYyIZiWn228m4N64bbnPQ471B4cbXL+LTNZlu4IhcMzXLvqssgcFWzGLcxhEZSP4TkbDknnI9GwO+orlvChmtr6ax1N7t9RFuk0kzXjT29ypJ/eRgn5Oc/KFUDtkDNdTTAr3X+sg/66H/0FqcOtNuv9ZB/10P/AKC1OHWkBG/+th/3/wChq1VV/wDWw/7/APQ1aoAKKKyteQSLYRtjEl4iHKhuCGHQgjv6UAatFUP+Eas/X/yXh/8AiKP+Eas/X/yXh/8AiKAL9FUP+Eas/X/yXh/+Io/4Rqz9f/JeH/4igC/RVD/hGrP1/wDJeH/4ij/hGrP1/wDJeH/4igC/RVD/AIRqz9f/ACXh/wDiKP8AhGrP1/8AJeH/AOIoAv0VQ/4Rqz9f/JeH/wCIo/4Rqz9f/JeH/wCIoAv0VQ/4Rqz9f/JeH/4ij/hGrP1/8l4f/iKAL9FUP+Eas/X/AMl4f/iKP+Eas/X/AMl4f/iKAL9FUP8AhGrP1/8AJeH/AOIo/wCEas/X/wAl4f8A4igC/RWFZaPb3NzPHJsAjzjFvD/z0kX+56IP1q9/wjVn6/8AkvD/APEUAX6Kof8ACNWfr/5Lw/8AxFH/AAjVn6/+S8P/AMRQBfoqh/wjVn6/+S8P/wARR/wjVn6/+S8P/wARQBfoqh/wjVn6/wDkvD/8RR/wjVn6/wDkvD/8RQBb+zw/aftHlR+fs8vzdo3bc52564zziq02jaXc28sFxptnLDNL50kckCsrv/fIIwW9+tN/4Rqz9f8AyXh/+Io/4Rqz9f8AyXh/+IoAmGm2K2cdotlbi2iIMcAiXYhByCFxgYPIpt/pOnaqiJqlha3qxnKLcQrIFPqNwOKj/wCEas/X/wAl4f8A4ij/AIRqz9f/ACXh/wDiKALKWltG++O3iVhGItyoAdg6L9B6VDaaNpmnwSw2GnWlrFN/rY4YFRZOMcgDnj1pn/CNWfr/AOS8P/xFH/CNWfr/AOS8P/xFAElhpWnaUjppdha2SucutvCsYY+p2gZqwkEUc0kqRIskuPMcKAXxwMnviqf/AAjVn6/+S8P/AMRR/wAI1Z+v/kvD/wDEUASnS9PNrNamxtjb3DF5ofJXZIx5JYYwSfU02LR9Mg09rCHTrSOzY5a3SBRGfquMVVu9BtYIVdNpJljTm3h6M4U/wehostBtbmwt532hpIlcgW8OMkZ/uUAaP2aAXX2kQx+fs8vzdg3bc52564zzilnt4bq3eC6iSaGRSrxyKGVgexB4Iqp/wjVn6/8AkvD/APEUf8I1Z+v/AJLw/wDxFAEl5pOnahDFFf2FrdRwnMaTwq4Q9OARxUkdjaRGMxWsKGIsYysYGwtyxHpnv61X/wCEas/X/wAl4f8A4ij/AIRqz9f/ACXh/wDiKAHRaNplvdvdQabaRXDyea8yQKHZ8EbiQMk4Zufc+tEei6XFqD38Wm2aXkmd9wsCiRs9ctjJzTf+Eas/X/yXh/8AiKP+Eas/X/yXh/8AiKAJLDStP0pHTTLC1s1kOXFvCsYY+pwBmrdUP+Eas/X/AMl4f/iKh0AKLWbaqpudGIRQoyYYyeBx1NAF26/1kH/XQ/8AoLU4dabdf6yD/rof/QWpw60ARv8A62H/AH/6GrVVX/1sP+//AENWqACszWv9Zpn/AF/xf1rTrL1vIbTmCs229RiFUscAMTwOegoA3KKqf2nb/wB24/8AAWT/AOJo/tO3/u3H/gLJ/wDE0AW6Kqf2nb/3bj/wFk/+Jo/tO3/u3H/gLJ/8TQBboqp/adv/AHbj/wABZP8A4mj+07f+7cf+Asn/AMTQBzGrWFvpniSbV9c02LULKeWHyb7702nMNqqoB5CFvm3Ic5Y5GOams9Q1Oyi1+e/1S0Kx33lW++2kOxiqYAUSEv8AeGEXBLZwfm4uT6folzqBvJ4b95DIspjP2nyS64wxi+4SMA/d6gHrS3Gn6JdNdNNBff6W6SShRcqN642uoGAjfKPmXB460lp/Xp/wQf8AX4mbb+J9VurVYbdbc3f9pixM01nNApUw+Zv8lyHBGRwTzjgjORf0k6x/wl+oxX2oW89vHbW58qO2dMMd/K5kYLyDng549OX2lholljyLa73C4+075EuHYy7Nm4s2STt45/nVnOmjVTqSx3i3LRiJisc4VlBJGUA2kjJwSMjNV/X4f5h/X4mtRVT+07f+7cf+Asn/AMTR/adv/duP/AWT/wCJpAW6Kqf2nb/3bj/wFk/+Jo/tO3/u3H/gLJ/8TQBboqp/adv/AHbj/wABZP8A4mj+07f+7cf+Asn/AMTQBV0r/j+u/wAf/R81atYmn3SwXVw8sVwqvnafs0hz+9lb+76Mv51of2nb/wB24/8AAWT/AOJoAt0VU/tO3/u3H/gLJ/8AE0f2nb/3bj/wFk/+JoAt0VU/tO3/ALtx/wCAsn/xNH9p2/8AduP/AAFk/wDiaALdcV/ZYvviBqkr6JpWoLE1tm4vHxLB8mcoPLbPr95efzrqv7Tt/wC7cf8AgLJ/8TWVPYaPcak9+y6pHcSbd5gku4lfbwMqhCn8RR1QdCquuaz5n2uQWP2BdTNiYVjfzWUy+WH37sAgkZXacgE5GcCnf6lqWrWcN75lmmm/2xFBHB5bed8lyqbi+7HLKfl28A9eK3tmkm3MP2a48s3H2or5E3+s3793T+9zjpVRtI8PtfG6NpebzOLnYFuRGJQQfMEf3A2RyQMnJz1NEdLX6f8AA/4IPW9v63/4B0dFVP7Tt/7tx/4Cyf8AxNH9p2/924/8BZP/AImgC3RVT+07f+7cf+Asn/xNH9p2/wDduP8AwFk/+JoAt0VU/tO3/u3H/gLJ/wDE0f2nb/3bj/wFk/8AiaAF1H/j1T/rvD/6NWjSv+QPZ/8AXBP/AEEVWvb+Ka3VY0uCRNExH2aToHUn+H0BosL+KDTbaKVLhXjhRWH2aQ4IAB/hoA065DxfYT3/AIk0P7DJ5V7bx3M9s+SAJFCYDeqkZU+zGuk/tO3/ALtx/wCAsn/xNV5ZtPmvoLuSG4M9urrE/wBnl+UNjdxjBzgdaAOXPikQvq2rWsDefJFZwCF0ZzDMzyIVZUyxKtnKrycYHXNXLXxXfRMjanDi0W58mS6bT5rXzFMRdWVJDkYZdp6g5BGOlaMlhoM39oeZYTH+0Spuv9Hm+cr91unykdcjBzz1pGsNFk0qTTriLULq1lcO63RupiSCCPmfLAZA4Bx+Zo/r+vxAg0LxJfapdWlpcwQw3OJpLtFB/dqNvlgc8EiRTz6NxXTVkwnS7fUbi/htp0urlUWaQW0vzBeF4xjv2q3/AGnb/wB24/8AAWT/AOJpiLdYegf8ecn1j/8AREdaP9p2/wDduP8AwFk/+JrP0NWS2lV1KsrRggjBB8mOkMt3X+sg/wCuh/8AQWpw6026/wBZB/10P/oLU4daAI3/ANbD/v8A9DVqqr/62H/f/oatUAFZWuIsn9mo6hla+jBUjIIweK1azNa/1mmf9f8AF/WgCa4XQrW+tbK4isUurskQQmNd0mAScDHQAden51XubvQLXUTYvYNJcKFLC30ySZU3dNzIhA6dzSa3bwrr2g3Cwxid77Y0oUbmUW85AJ64GTx7msjxFqMGmalf3Gka8V1o+UBo+Im+0sANq7CnmYIbqrYGSexo7A9/kdFfxaNptqbi8tLdE3BQFtt7MxOAqqoJYn0AJqt9r8O/2WdQ+zw+QJPK2mzPmb842eXt37s/w4z7VV1nVrIajYXEs4WDS7/ZeswIW3Z4GClmIxj51Geg3c1mNdW6asNeMiDSDqwf7Tn93j7L5Xm7um3f8u7p+FH9fkBuG98ODTRfGCHyjJ5IT7G3mmTONnlbd+7/AGducc4xSfbvDY0z7f5EHk+b5O37GfN8zONnlbd+7/ZxnvisWYWVy93ri6va6ZCupJNY3twVMEzCARtkFlDqRvAIYHjIPHOcJJ0tX1G+vVjtL7WklGqrD5SQIsIUTKCSFVmXYGfcpDAncDyf8D9P8w/r8zsbeXw/c6dJfLDaRW0JYTPcW4hMRHUOHAK468gcEGrFpa6Rf2UN3aWlrLBOgkjcQgblIyDyPSsfwyLbULXU1Jj1Sz+2B4r6RQwumCqd/wDdJVhgMgC/LwBitDwh/wAiXo3/AF4w/wDoAp/8D8QL39l6f/z423/flf8ACj+y9P8A+fG2/wC/K/4VaopAVf7L0/8A58bb/vyv+FH9l6f/AM+Nt/35X/CrVFAFX+y9P/58bb/vyv8AhR/Zen/8+Nt/35X/AAq1RQBV/svT/wDnxtv+/K/4Uf2Xp/8Az423/flf8KtUUAc7pttZfatRa6ghaKAkjfGCEUSS5x6cD9Km0+60HU0Z7awKxqnmGS402SBCvqGkRQfwqC2MAXXDdyGKDY/myDqi75cnoeg9qwmuZbyx1PR9C1ZvEGn/ANkv+9URMYZB8qxBolVTuXd8pBI2g96XV/13H2/rsdJYXfh3UjILW3hHlxiU+dZmHch/jXeo3L/tDI96XTbnw/q0jJZWsRdUEgEtk0W9D0dd6jcv+0Mj3rB1u6t/E6yP4ekS+EWk3KSGA7sFwm2I46Mdp+U8jHNalpqVjrviewutGnjuobazmE0kRyIy5j2ox7N8pO08jHNV1/rzJ6f15G3/AGXp/wDz423/AH5X/Cj+y9P/AOfG2/78r/hVqikMq/2Xp/8Az423/flf8KP7L0//AJ8bb/vyv+FWqKAKv9l6f/z423/flf8ACj+y9P8A+fG2/wC/K/4VaooAq/2Xp/8Az423/flf8KP7L0//AJ8bb/vyv+FWqKAKv9l6f/z423/flf8ACj+y9P8A+fG2/wC/K/4VaooAq/2Xp/8Az423/flf8KP7L0//AJ8bb/vyv+FWqKAMjVrCzg08yQ2kEbrJHhkjAI+de9Vg+jado9hLf2sbSTxIFWO0M0kjbcnCopY9yTj61o61/wAgtv8ArpF/6MWsR7220rUNDvtUnjtrNtNeATzMEjSQ+UwBY8DIU4z/AHaOoG1aWukX1pHdWlraywyruRhCvI/Lg+3apv7L0/8A58bb/vyv+FUPC6EaRJKEKR3F3PPECuPkeVmU47ZBz+NbNAFX+y9P/wCfG2/78r/hR/Zen/8APjbf9+V/wq1RQBV/svT/APnxtv8Avyv+FH9l6f8A8+Nt/wB+V/wq1RQBV/svT/8Anxtv+/K/4Vl+Hf8Ajyl/3k/9Ex1vVg+Hf+PKX/eT/wBEx0AXrr/WQf8AXQ/+gtTh1pt1/rIP+uh/9BanDrQBG/8ArYf9/wDoatVVf/Ww/wC//Q1aoAKzNbVz9gMYUsl2rgM2Adqs3Xt0rTrO1f7tr/11b/0VJTW4Md/bFz/z62//AIF//Y0f2xc/8+tv/wCBf/2NcrJf376pNa2VlbyRQBPMlmuWjPzc8KI2zge4qO81qa3lungs1mtLHH2qUy7WHAY7F2ndhSCckegzW3s49zD2kux139sXP/Prb/8AgX/9jR/bFz/z62//AIF//Y1yF3rksL3MltZrPZ2ePtMvm7WHyhjsXad2FIJyR6DNbCkMoZTkEZBp+yXcXtX2Nf8Ati5/59bf/wAC/wD7Gj+2Ln/n1t//AAL/APsayKKPYruHtn2Nf+2Ln/n1t/8AwL/+xo/ti5/59bf/AMC//sayKKPYruHtn2Nf+2Ln/n1t/wDwL/8AsaP7Yuf+fW3/APAv/wCxrIoo9iu4e2fY1/7Yuf8An1t//Av/AOxo/ti5/wCfW3/8C/8A7Gsiij2K7h7Z9jX/ALYuf+fW3/8AAv8A+xo/ti5/59bf/wAC/wD7Gsiij2K7h7Z9jX/ti5/59bf/AMC//saP7Yuf+fW3/wDAv/7Gsiij2K7h7Z9i5ZzXNlcTzeTC/wBoOSDPt2/MzcHbzw4q3/bFz/z62/8A4F//AGNZuoTx2tgLidgkUSF3Y9gFBJrGh1S6FjNf6jZJaWaRGVcTl5do5+ZNoAOOwY+lTGmmtynUadrHV/2xc/8APrb/APgX/wDY0f2xc/8APrb/APgX/wDY1yA1yW1Mn9sWa2mLdrlPKl83KrjcD8owwyOBkHPBqaz1K6e+W11GzS1kliMsPlzeYGAIDBjtGGG4cDI568VXsl3J9q+x1P8AbFz/AM+tv/4F/wD2NH9sXP8Az62//gX/APY1kUUexXcPbPsa/wDbFz/z62//AIF//Y0f2xc/8+tv/wCBf/2NZFFHsV3D2z7Gv/bFz/z62/8A4F//AGNH9sXP/Prb/wDgX/8AY1kUUexXcPbPsa/9sXP/AD62/wD4F/8A2NH9sXP/AD62/wD4F/8A2NZFFHsV3D2z7Gv/AGxc/wDPrb/+Bf8A9jR/bFz/AM+tv/4F/wD2NZFFHsV3D2z7Gv8A2xc/8+tv/wCBf/2NH9sXP/Prb/8AgX/9jWRRR7Fdw9s+xo3d7cXtuYDBAgLKxZbjcQFYN02+1LbahdWtpDbm3t2MKKhP2rGcDHTbVK3/ANd/wFv5Gs/xBqg0e1ubv7NNclC5EcS+gJJJ6KMDqfwycCp9mr2uUqja0R0X9sXP/Prb/wDgX/8AY0f2xc/8+tv/AOBf/wBjWQp3KD6iiq9iu5Htma/9sXP/AD62/wD4F/8A2NH9sXP/AD62/wD4F/8A2NZFFHsV3H7Z9jX/ALYuf+fW3/8AAv8A+xo/ti5/59bf/wAC/wD7Gsiij2K7h7Z9jX/ti5/59bf/AMC//saj0OJoYLiJ8bkkVTj1EUdZlbGnf66+/wCvgf8AotKznDlNIT5ia6/1kH/XQ/8AoLU4dabdf6yD/rof/QWpw61maEb/AOth/wB/+hq1VV/9bD/v/wBDVqgArO1f7tr/ANdW/wDRUlaNZmtOyCx2KrM90IwGOB8yMvJ/GmtxPY4jXtNfUJpktdDC3rFRBquYh5XQ7t2fMBXngA5x6GpLu01BP7UsYLRpotROUuQ6hYtyBG3gkNxtyNoOc44rsf7KvP8An3tP+/7/APxNH9lXn/Pvaf8Af9//AImtvaRMfZyOMuLK/hj1LT7azaaG/wD9Xc+YgWLcgRt4JDcbcjaDnOOK6GNBHGqDkKABmtL+yrz/AJ97T/v+/wD8TR/ZV5/z72n/AH/f/wCJqvaxJ9lIzqK0f7KvP+fe0/7/AL//ABNH9lXn/Pvaf9/3/wDiaPbRD2MjOorR/sq8/wCfe0/7/v8A/E0f2Vef8+9p/wB/3/8AiaPbRD2MjOorR/sq8/597T/v+/8A8TR/ZV5/z72n/f8Af/4mj20Q9jIzqK0f7KvP+fe0/wC/7/8AxNH9lXn/AD72n/f9/wD4mj20Q9jIzqK0f7KvP+fe0/7/AL//ABNH9lXn/Pvaf9/3/wDiaPbRD2MjOorR/sq8/wCfe0/7/v8A/E0f2Vef8+9p/wB/3/8AiaPbRD2MjL1+yOpaBNZK+xriBowx7EoBmuWi0KW5imS30waQz2bwzFnQi4lONrHYTuwQx3Nhvm6cmu2gW4vZZYUt7fMBw26VgAcleMDn7nep/wCyrz/n3tP+/wC//wATURnFItwk2cZdWV/rqubizbT2SzlhUSyI26R9vI2E/KNvfBOelW7Rby+1SC8vLJ7IW8DpskkRi7sVyRtJ+UbepwTnpXUf2Vef8+9p/wB/3/8AiaP7KvP+fe0/7/v/APE1XtI3J9nKxnUVo/2Vef8APvaf9/3/APiaP7KvP+fe0/7/AL//ABNP20RexkZ1FaP9lXn/AD72n/f9/wD4mj+yrz/n3tP+/wC//wATR7aIexkZ1FaP9lXn/Pvaf9/3/wDiaP7KvP8An3tP+/7/APxNHtoh7GRnUVo/2Vef8+9p/wB/3/8AiaP7KvP+fe0/7/v/APE0e2iHsZGdRWj/AGVef8+9p/3/AH/+Jo/sq8/597T/AL/v/wDE0e2iHsZGdRWj/ZV5/wA+9p/3/f8A+Jo/sq8/597T/v8Av/8AE0e2iHsZFO3/ANd/wFv5GqHiG3lu9J1O2t13yzQyoi5AyxBAGTWvPa3NlF50kFsF3BSUmckbiF6Ee9LDZXd3BHcLb2uJlEgzM+eRn+7U+0je5SpySRQUYRQeoFLWj/ZV5/z72n/f9/8A4mj+yrz/AJ97T/v+/wD8TVe2iQqMkjOorR/sq8/597T/AL/v/wDE0f2Vef8APvaf9/3/APiaPbRH7GRnUVo/2Vef8+9p/wB/3/8AiaP7KvP+fe0/7/v/APE0e2iHsZGdWxp3+uvv+vgf+i0qD+yrz/n3tP8Av+//AMTT9Fl8+O5mI2mSVWx6ZiQ1nUmpbGlODjuWrr/WQf8AXQ/+gtTh1pt1/rIP+uh/9BanDrWRqRv/AK2H/f8A6GrVVX/1sP8Av/0NWqACszWv9Zpn/X/F/WtOszWv9Zpn/X/F/WgDK1DxEJPEV5bS6vdaXaaeyRubW0Eu5mVWLyyNG6xoAwAzt6Mc4HE+o32pyrrOoWN+0EWkkiO2EaFLgpGsjbyVLDO7aNpGMZ5zVq+8N3E91qBstQjtrXVFAvYmt97k7dhaN9wCkqAOQw4zjrlLrw1PLNeRWmoLb6fqAUXUBg3OcKEOx9w27lVQcq3TIxmhbf1uPS5TvNS1O5t9W1SxvmtodL/1dr5aFLgrGsjeYSpYZ3bRtIxjPOa6mKQSwpIBgOoYA+9Yd54cnmnvY7XUFt9P1Db9qt/s+5+FCHy33AJlVUHKt0yMZreVQqhVGABgAdqZOotFFFIYUUUUAFFFFABRRRQAUUUUAFFFFAGLouf7R1LHJ3nGf+uktQaXqGryW2ujUTC93ZzFYktUJVf3COFGeWOW69/QdBPon/IS1L/f/wDastWYtMlt31WS3utkt/J5qOY8+SwiSMcZ+blM9uuKT6+g1uYmjarJ/Z900ms3tzqMVl5zW2q2q2qo2PvAeVGxTcMFskCmeHtUvb26MH9qXVyJbHzi95apE0cuQMxKFXzE5PPzD7uGOauTeFZtUkupPEGoJcyTWT2SfY4DbrHG5Bc4LuSxIXknHHTrl8Wg6q9yt1f6xDLdW9s8No8Nl5axs2Mu6l23n5V4BUdeORiut/66/wDAJ6f15f8ABGeHr+efVrm2Oo3l7AkCP/xMbZbedXLEcII4yUwPvFcZ4BPIFjVbzU7bxFpEULW6afcTmKUYLSyN5UjY9FUbB6k57Y5YND1OW4nvrrV4v7QNq1tbS29nsjgDEEtsZ2LNkL1bGB06k6F3pzXc+myvPhrGfzj8n+sPlumOvH389+lHYff+un+Zja/fXVhqSNb6peROzxCO3a0UWZBYKfMmMfBPP/LQHoACSATX766sNSRrfVLyJ2eIR27WiizILBT5kxj4J5/5aA9AASQDb1XRdS1b7RaTapCml3JAeFbT98EwMqJN+3BIPJQnBPPQ0apoupaqLizm1SFNLuMB4VtP3wTAyok34wSDyUJwTz0NJdAZl6h4iEniK8tpdXutLtNPZI3NraCXczKrF5ZGjdY0AYAZ29GOcDgv/ESy+Iby2k1e60y009kjdrW0Eu5mVXLyyNG6xoAwAzt6Mc4HGhe+G7ia6v8A7Dfx21pqigXkTW+9z8uwmN9wCkqAOQw4zjrlLvwxM898un36WtnqSKl5C1v5jnCbCY33DaSgA5DDjOOuRdP6/r+tAIvEMWppc266Xr1/DcX1wscMCRW7RRqBl2+aItgKCeW6kDvXTDp61QGlj+2YL7zTst7ZoIodv3dxBLZ+igfnV+joAUUUUAFFFFAFDWv+QW3/AF0i/wDRi1l+bd3J0jSrK8ksRJYm4lnhRGfChFCrvVlGS+ScH7uO+a1Na/5Bbf8AXSL/ANGLVAaZc3NnpN9pt5HaXdvbeXumgM0bo6rlSoZT1VSCGGMd80dQLegXlxeaWftrK9xBPLbySKMCQo5XdjtkAEj1JrTqnpenrplgtuJGlcs0kkrDBd2YszY7ck8dquUAFFFFABRRRQAVg+Hf+PKX/eT/ANEx1vVg+Hf+PKX/AHk/9Ex0AXrr/WQf9dD/AOgtTh1pt1/rIP8Arof/AEFqcOtAEb/62H/f/oatVVf/AFsP+/8A0NWqACsnX4xKlhE33ZLxEPAPBDDvx3rWrM1r/WaZ/wBf8X9aAF/4Rez/AOekn/fEX/xFH/CL2f8Az0k/74i/+Irn3Mml+Ntb12IsYYZYIb6MHIMBiU+Zj1Q85/ulvamadDFqsukaZfESadKb64aAn5Ll0uPlVuzABi205Bxkjiha2/rzDY6P/hF7P/npJ/3xF/8AEUf8IvZ/89JP++Iv/iKxNWsrXQ9Qns9Gijtba80q7kuLSABY1KBQsgQcKTuIJHXjPSoZ9H03R/DWj6po9nBYalvtUV7SIRtcb2QPG+0fOCMnBzjGe1C1/D8W1+gPT8f0/wAzof8AhF7P/npJ/wB8Rf8AxFH/AAi9n/z0k/74i/8AiK5fWddhi8US6uVvCuk3EdsCtpM0PlHIuGMiqUGN4JyesIrSj0Xw/Y+MtRvG0nT4ktbCC6Ei2qDy23zFnBxwflHPXgUdLg+q/rsa3/CL2f8Az0k/74i/+Io/4Rez/wCekn/fEX/xFc34V1ZU8RRNLHeRvrsTzSi5tJolWdSXVAzqFb90dvBPEQrvqdg6mL/wi9n/AM9JP++Iv/iKP+EXs/8AnpJ/3xF/8RW1RSAxf+EXs/8AnpJ/3xF/8RR/wi9n/wA9JP8AviL/AOIraooAxf8AhF7P/npJ/wB8Rf8AxFH/AAi9n/z0k/74i/8AiK2qKAMX/hF7P/npJ/3xF/8AEUf8IvZ/89JP++Iv/iK2qKAOXsNJgvbq5hlYhbc7UKxpkje45yv+yOmKvf8ACL2f/PST/viL/wCIrMu/+QN4o/69Zv5zVl27PpWn6ZoVwzGNbqznsHc53QmRMx5JyShOP90p70LV29PxB6K/r+B0/wDwi9n/AM9JP++Iv/iKP+EXs/8AnpJ/3xF/8RWXo2iaZ4hhvb/XrODULx7ueE/aUDm3VJGVUQH7nAB4xknNZtrbQaxeaJa6tHHqdrDdX8MTXaibzEQ7UJ3Z3EAY3d8ZoB6fkdN/wi9n/wA9JP8AviL/AOIo/wCEXs/+ekn/AHxF/wDEVjfarfwnqOupp0bfYLayiuFs4hlIp2ZwERR93f8AKdo7845qr4Zi06ea68PajaveQyRJfKNSsJEEkuAsxCyqM/PhsgdZDSvpf+v60Ybf1/XdfidH/wAIvZ/89JP++Iv/AIij/hF7P/npJ/3xF/8AEVykEOlad4E0Kxh08RHWIoPthsbNnkliVA0hYRqWbP3ScH79dN4N1H7f4fWJzIZrGRrSTzomjc7PusysAQWQq3I71VtWuwbEv/CL2f8Az0k/74i/+Io/4Rez/wCekn/fEX/xFbVFIDF/4Rez/wCekn/fEX/xFH/CL2f/AD0k/wC+Iv8A4itqigDF/wCEXs/+ekn/AHxF/wDEUf8ACL2f/PST/viL/wCIraooAxf+EXs/+ekn/fEX/wARR/wi9n/z0k/74i/+IraooA52+0O2sbb7RE7F0kQAMkeOXA7KD3p1l4etbmwt53dw0kSuQI48ZIz/AHK0da/5Bbf9dIv/AEYtcrrVhPf3nhf7DJ5V7b2ks9s+SAJFSPAb1UjKn2Y0Ab//AAi9n/z0k/74i/8AiKP+EXs/+ekn/fEX/wARXM3WstfLql3aSSWX2gafb3DBtslrumdJQSPusuWGe3WtLWdD0vw7Y219oVnDYXsVzBEjW6hGuA0iq0bkcyZBJ+bPIz1GaOv4f194dDU/4Rez/wCekn/fEX/xFH/CL2f/AD0k/wC+Iv8A4isXT/D2iagmu3epWNsJ11Gc/bdgWaILghlkHzKR1BB4rOvtRfV/Dmh6bqTXzSz2X2ueW3tJZm3BdsTMsakjLkPyMZSlfS/p+KuO2tvU6v8A4Rez/wCekn/fEX/xFH/CL2f/AD0k/wC+Iv8A4iuflg0jxRF4Z1a90izlubu6Md151qpbcsEwaNtwzhXXofQVU1TWLWy8RNqUEN1HBos0dpGsVlKYFhwROd6rsUDeOCRjyRVW1sLpf+v60Or/AOEXs/8AnpJ/3xF/8RUfh87rOUnGS6HgY/5Yx1vA5GR0rB8O/wDHlL/vJ/6JjpAXrr/WQf8AXQ/+gtTh1pt1/rIP+uh/9BanDrQBG/8ArYf9/wDoatVVf/Ww/wC//Q1aoAKytcbZ/ZzkEhL1GOAScAMTwPatWsrXEWT+zUdQytfRgqRkEYPFAEsd1o8c91KqSb7wgz5gkIfC7RwRjoMVTFp4bGkQaYtvKtrbtvgCpMrwtkncjj5lPJ5Bzg46Vtf2Xp//AD423/flf8KP7L0//nxtv+/K/wCFAGRaw+H7SG5jjS5c3SbJ5ZxPLJIuMbTI+WwMnAzgZOKjsbPw7p08U0C3kjwDbCbl7m48kYx8gkLbOOOMccVt/wBl6f8A8+Nt/wB+V/wo/svT/wDnxtv+/K/4UAZ0Mui2+mPp8ccv2WTfvjaGVt28ktkkZOSx/OopYvD89vNBLFO0c1slrICk+WiTO1Sev8Tc9TnnNa39l6f/AM+Nt/35X/Cj+y9P/wCfG2/78r/hQBSub3SbzyPtAlb7PKs0WIZRtcdDwPc8e9WP7asf78v/AIDyf/E1L/Zen/8APjbf9+V/wo/svT/+fG2/78r/AIUARf21Y/35f/AeT/4mj+2rH+/L/wCA8n/xNS/2Xp//AD423/flf8KP7L0//nxtv+/K/wCFAEX9tWP9+X/wHk/+Jo/tqx/vy/8AgPJ/8TUv9l6f/wA+Nt/35X/Cj+y9P/58bb/vyv8AhQBF/bVj/fl/8B5P/iaP7asf78v/AIDyf/E1L/Zen/8APjbf9+V/wo/svT/+fG2/78r/AIUARf21Y/35f/AeT/4mj+2rH+/L/wCA8n/xNS/2Xp//AD423/flf8KP7L0//nxtv+/K/wCFAGHay2jtqUV+kpt7wMuPKf5lLyZHAyOGHoeatXLaFdrZi4ikf7DIstsfJlBjZRgHIHP0PB71HpNlazahfJLbQusbYRWjBCjzJOB6dK1v7L0//nxtv+/K/wCFAGLeWnh6+upbiUXkUswAmNs9zAJsDHziMqHOOMnPHHSnXdv4evIbSNo7mBLMEW4tBcW/lAjBAMe3jA6Vsf2Xp/8Az423/flf8KP7L0//AJ8bb/vyv+FHkBkRw+HorVLdIZfLWdbkkxzFpJVIId2Iy5yByxPQelWpr3SZ7y3upRKZrfcIn8mUbQwww4HIPHX0FXf7L0//AJ8bb/vyv+FH9l6f/wA+Nt/35X/CgDMtTodlJbSW0cyNa232WHMcx2R5B2gEf7I568Dmp4b3SoLy4uohKs1zt81vJl+baMA4xjOOPy9Kuf2Xp/8Az423/flf8KP7L0//AJ8bb/vyv+FAEX9tWP8Afl/8B5P/AImj+2rH+/L/AOA8n/xNS/2Xp/8Az423/flf8KP7L0//AJ8bb/vyv+FAEX9tWP8Afl/8B5P/AImj+2rH+/L/AOA8n/xNS/2Xp/8Az423/flf8KP7L0//AJ8bb/vyv+FAEX9tWP8Afl/8B5P/AImj+2rH+/L/AOA8n/xNS/2Xp/8Az423/flf8KP7L0//AJ8bb/vyv+FAEX9tWP8Afl/8B5P/AImj+2rH+/L/AOA8n/xNS/2Xp/8Az423/flf8KP7L0//AJ8bb/vyv+FAGfqWpW11YmGAys7SRkAwuOjgnkjHQVHaXGmCLT5rlZftVpB5aHyZPkyqhhwMH7oqfVrCzg08yQ2kEbrJHhkjAI+de9P03TbGTSrR3srdmaBCWMSkk7Rz0oAqoPD6TX8otiTqOPtatbSMs2BjlSMdCc8c96gs7Pw7ZXUVxEt5JJCMQ/aXuZ1h4x8iuSEOOMgDjjpW3/Zen/8APjbf9+V/wo/svT/+fG2/78r/AIUAYMmm+GpbiaWWO8cTyGWaBpLkwSMepaLOw/QritGK80mG+nvIxKLi4VEkfyZTlVztABGABuPT1q7/AGXp/wDz423/AH5X/Cj+y9P/AOfG2/78r/hR5AZiNoccqyJHKGW5a7X91NxKylWbGO4Y8dOc4zToZdFt9MfT445fssm/fG0Mrbt5JbJIyclj+daP9l6f/wA+Nt/35X/Cj+y9P/58bb/vyv8AhR0sHW5Wg1TTra3jghaYRxoEUGGUkADA5Iyfxqp4fBWzlVgQQ6Ag9v3Mdan9l6f/AM+Nt/35X/Csvw7/AMeUv+8n/omOjcC9df6yD/rof/QWpw6026/1kH/XQ/8AoLU4daAI3/1sP+//AENWqqv/AK2H/f8A6GrVABWZrX+s0z/r/i/rWnWXriy+XZSQxNKYbpJCqqTwA3oCfbp3oA3KKw/7fuv+gXJ/3zL/APG6P7fuv+gXJ/3zL/8AG6ANyisP+37r/oFyf98y/wDxuj+37r/oFyf98y//ABugDcorD/t+6/6Bcn/fMv8A8bo/t+6/6Bcn/fMv/wAboA3KKw/7fuv+gXJ/3zL/APG6P7fuv+gXJ/3zL/8AG6ANyisP+37r/oFyf98y/wDxuj+37r/oFyf98y//ABugDcorD/t+6/6Bcn/fMv8A8bo/t+6/6Bcn/fMv/wAboA3KKw/7fuv+gXJ/3zL/APG6P7fuv+gXJ/3zL/8AG6ANyisP+37r/oFyf98y/wDxuj+37r/oFyf98y//ABugB2if8hLUv9//ANqy1tVy9nfXNncXEwsZXM5yV8uUbfndv+efP3vbpVz+37r/AKBcn/fMv/xugDcorD/t+6/6Bcn/AHzL/wDG6P7fuv8AoFyf98y//G6ANyisP+37r/oFyf8AfMv/AMbo/t+6/wCgXJ/3zL/8boA3KKw/7fuv+gXJ/wB8y/8Axuj+37r/AKBcn/fMv/xugDcorD/t+6/6Bcn/AHzL/wDG6P7fuv8AoFyf98y//G6ANyisP+37r/oFyf8AfMv/AMbo/t+6/wCgXJ/3zL/8boA3KKw/7fuv+gXJ/wB8y/8Axuj+37r/AKBcn/fMv/xugDcorD/t+6/6Bcn/AHzL/wDG6P7fuv8AoFyf98y//G6ALutf8gtv+ukX/oxal0r/AJA9n/1wT/0EVjXmq3N5b+S2nyxgujFgkrYwwPTyx6U611i6trOGD+zZG8qNU3bZRnAxn/V0AdDRWH/b91/0C5P++Zf/AI3R/b91/wBAuT/vmX/43QBuUVh/2/df9AuT/vmX/wCN0f2/df8AQLk/75l/+N0AblFYf9v3X/QLk/75l/8AjdH9v3X/AEC5P++Zf/jdAG5WD4d/48pf95P/AETHTv7fuv8AoFyf98y//G6NBjeO0lDo6fOoG9CucRoM4IBxkGgC5df6yD/rof8A0FqcOtNuv9ZB/wBdD/6C1OHWgCN/9bD/AL/9DVqqr/62H/f/AKGrVABRRRQAUUUUAFFUdS1L+z5bFPK8z7XdLb53Y2ZVjnpz93p70241dLbWo7GZVSNrSS5ad3wECMoOfb5s5zxij+vwuH9foaFFUU1jT7lboWN/Z3EtqpaVFuF/d8H75Gdo46kUkus2NjZW02r31jZG4Ubd90uxmxnCM23cPfA+lAF+ioIr60maNYbqGQyhjGEkB3hThiPXBIB9Kjn1bTraza7ub+1htlco00kyqgYHBXcTjOQRj1FAFuio4J4bq3Se2lSaGRQySRsGVge4I4IqSgAooooAKKKKACise61m7fVZdP0WwjvJbdVa5knuDDFEWGVTIViWI5xtwBjJ5AqS21aV9VSwu7RbeX7GLmQiXeFO7aVBwMjvnj6CgDUoqlY6zpmprK2m6jaXaw/6w286yBPrg8dDUaeIdFksJL6PV7BrSNgj3C3KGNGPQFs4B5HFAGjRWbJrVqh8/wC1WJsRbG4M/wBqGducBgMYKH+9u68Yqt4a8SQeIrBLhHs0eUeYkEF2JnCccuMDa2TgjnHrQBt0VHBcQ3UQltpY5oySA8bBhkHBGR6EEVJQAUUUUAFFFFABRRRQAUVQnkmk1P7MkoiiEIkYgfN94jr2psxNqu9dRCr384b/AOWK53XSu7aL0/zL5TRorKttUU3yQveQzK68FEK/NkYHWtWqpVoVU3Hp/XQUouO4UUV51NPZr8RrxdXlAtBnh2O3O0Y6V1U6fPfyJPRaK5G5ufCP2SbyZrfzNjbMO3XHFN+HMjyaPdGR2Yifjcc/wiqdK0HIZ2FFFVNTuWtbTevGW2lsZ28HmsG7K4Ri5OyLdFcLf3V8JsXE7N3Ug8GtvRdeE223vDiTor+tYxrRcrM6p4WcYcy1N+iiitzkK91/rIP+uh/9BanDrTbr/WQf9dD/AOgtTh1oAjf/AFsP+/8A0NWqqv8A62H/AH/6GrVABRRRQAUUUUAYviaGc21ld28Mk/2G8S4kiiXc7IAVbaO5AbOBycYHNZGpmbXLjUbyys7tbeHSLi2Qz20kTzSyYO1UcBjgKOcYJYAZwa7GilbRr1/FWHfW/wDWjucVe6XNDNYJZWMixroNzbsI4TgHEe1Dgdc5wPrUtpv0nV7e61KwupoZtJgt4mhtHmMTqSXRgoJXduXkgD5eTxXYUVTd3f8Arr/mSlZW/rp/kef+Hy2n2Hh2/Njci0hjvYHS2gaZoS0oKgrGCcfIRkAgHHrUMNlqSDS7+5TVdPgjuL8utrarNNA8kxKMUKPkFcjcoP3hzgk139nZQafarbWkflxKWIXcTgkljyfcmp6Q+ljJ8N2cVnowW3e8dJZZJc3sQjkJZySSgVdoJycbR16VrUUUAFFFFABRRRQBzMMz+Hde1T7ZaXctpqMwuobi1tnnCtsRGRlQFlPygg4wQeuRimXz30mq3Wo2GnSys2it5MVxEQHk3khGHHJ4+XIPPaupopdvL/Kw/wCvxueex2sl/qdxJfrrF5Zy6NLBPI+nfZyCWTMcabFbgEkBt3sTg1YZrmexWW8N+rWd2G0/UItIk8x8REfvoNu4gbmXIVQe23rXdUU+n9d7i/r8LHLaXHqE+rQ3V/Y/ZpH0fbIsaEIshkJ2j0PfbnIzWXcR3+j+D/DuoWluwv4LRLFoXG1syoFUEHuJRHx2Ga72qlxpdpd31vd3KPJLbHMQMrbFPPzbM7S3JwSMjtR5f1u/87B5/wBbL/IXTLBNL0m1sYjlLeJYwT3wMZ+p61aoopt3dxLRBRRRSGFFFFABRRRQBzXiOdor8ov/AC0t1U/99E1g16A8UbnLxqx9SuaT7PD/AM8Y/wDvkV4OJymdeq58/wCB0wrqMbWOP0WIy6tD6I24/hXaUxYY0OUjVT6hQKfXfgcJ9UpuF73ZnUqc7uFeXa9bx/8ACX6tLd25lSOFplQsVDkKMcjtXqNUr7SLDUiDe2yykAjJJHHpxXqU6nI2ZHmNzbWtn4oj0S60yAPJEX82G4kO35Cw4P0rqfht/wAge7/6+P8A2UVtt4U0V5hK9irSAYDl2J/PNXbDTLPS4WisIFhRm3MFJOT+NW6t4OLbYy1TZI1ljKSKGVhgg06iucRy2qWC2Q2ShntifkYcmP2+lZ0UoD7bC2Lv/eYbjXcSRJNGUlUMp6g0yC1gtl2wRKg9hXNKjd3R3RxVo2krsLXf9jh84Yk8td498c1LRRXScT1ZXuv9ZB/10P8A6C1OHWm3X+sg/wCuh/8AQWpw60CI3/1sP+//AENWqqv/AK2H/f8A6GrVABRRTJpo7eF5p5FiijUs7uwCqBySSegoAfRWTZeJtKv7qK3t5pVedS0BmtpYlmAGfkZ1Afjn5SeOela1ABRTI54pmkWGVJGibZIFYHY2AcH0OCDj3p9ABRSMwVSzEAAZJPamxSxzwpNBIskUihkdGyrA9CCOooAfRRRQAUUwzxC4WAyoJmUuse4bioIBOOuMkc+9PoAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAK91/rIP+uh/9BanDrTbr/WQf9dD/AOgtTh1oAjf/AFsP+/8A0NWqqv8A62H/AH/6GrVABXP+NkL+GXLKWt0uIJLpQM5gWVTJn22gk+2a6Cq93di0WP8AdSTNK/lqkYGScE9yOwNAGH4tmiudIsYbORJLq5vLd7Ly2BLbZFZmXHYIGJPTH1rNk1aWPQGL30izt4i+zLmU7iPtf+r65xs7f3fatyysrHTZ3m07wx9klkGHkgt4UZhnOCQ3PNK9nZyXzXsnhotdPt3TtBCXbaQVy27JwVUj0wPShaP+vL/IHtb+uv8AmcrcwrpejeL7uzvbu2mjvQnnG7kfywVhJbDMRnk84zjjpxVrWml0ma+g0nUryYTaLc3MvmXTymN1A8uVSSdhYluFwDt4HFa+raZHqdvdeXo01vd3Sosl2sERkZVYEAneCR8o71bsbe20zzP7N8OPaeacyfZ4YY959ThuetLol5W/C3/BHfW/nf8Ar+v8jJv7pb7WLOxF7I0c2izzyJDcMpb5otr5Ug/3sH6+9aPgy3jt/BeleS8jCS0ikJkmaTkoOhYnA9hwOwp9laWenNu0/wANG0PzcwQQp97Gejd9q5+g9KmsxHp8Jh0/QZrWJmLlIIokUsepwG61XR+f+b/z/Am23l/wP8jl7F2XwjpjTz6lfX+ryLGo/tGSIFgGYAvnMahVOSg3NjvUdi+q3+kXNrFctN9i1WSNraLVH8yaJYwxiS4IVyVZs846bS2Oa6ia3trmwFjceHHltFxi3eGFoxjp8pbFRS6dp09qLafwqsluGDiJ7aAoGC7QcFsZwAM+nFLv/XYb/r8TCsY7O+8TaPqFpJqDhtJlliSe8l3kq8YCsN2D1weobgnPBqPwydc1BdK1iW4hUXLk3JbVZZBICrZiFuYwiMpH8JyNhyTznqJYoJmtmm8PSSNanNuXhiJhPqnzfL0HSo47Ozh1F9Qh8NGO9fO65WCESNnrlt2TR/X43/r0D+vwsV/BULnw5bXtzdXV1cXUYaR553cDBOAFJwvHcDJ75roaoQztbQrDb6PcxRIMKkaxqqj2Aan/AG2f/oF3n/kP/wCLoAuUVT+2z/8AQLvP/If/AMXR9tn/AOgXef8AkP8A+LoAuUVT+2z/APQLvP8AyH/8XR9tn/6Bd5/5D/8Ai6ALlFU/ts//AEC7z/yH/wDF0fbZ/wDoF3n/AJD/APi6ALlFU/ts/wD0C7z/AMh//F0fbZ/+gXef+Q//AIugC5RVP7bP/wBAu8/8h/8AxdH22f8A6Bd5/wCQ/wD4ugC5RVP7bP8A9Au8/wDIf/xdH22f/oF3n/kP/wCLoAuUVT+2z/8AQLvP/If/AMXR9tn/AOgXef8AkP8A+LoAuUVT+2z/APQLvP8AyH/8XR9tn/6Bd5/5D/8Ai6ALlFU/ts//AEC7z/yH/wDF0fbZ/wDoF3n/AJD/APi6ALlFU/ts/wD0C7z/AMh//F0fbZ/+gXef+Q//AIugC5RVP7bP/wBAu8/8h/8AxdH22f8A6Bd5/wCQ/wD4ugC5RVP7bP8A9Au8/wDIf/xdH22f/oF3n/kP/wCLoAuUVT+2z/8AQLvP/If/AMXUlpdi7WX91JC0T7GSQDIOAexPYigCxRRRQAUUUUAV7r/WQf8AXQ/+gtTh1pt1/rIP+uh/9BanDrQBG/8ArYf9/wDoatVVf/Ww/wC//Q1aoAKp3v8Ax96d/wBfX/tN6uVTvf8Aj707/r6/9pvQAzUPEH2LV00230u9v7loDcEWxiAVN23kySL39M1c0vUrfWNMhvrPd5UwyA67WUg4KkdiCCD9K5rWLK8vvH4j07UptOnGjuUkjRHBPmjAYOp4z6YPvWDd3UF3Z6HBK1hpul24ngvYtSha4t4rxSPkly65P3yrOeSQeSRSWq/ru/69Qe7/AK6L+vQ9Oqp/aMX9s/2Ztfzvs/2jdgbdu7bjrnOfauESDT7WPRYtb1C0vvDZ+0sspi2Wfm7h5aEMzDYF8wJkkcDH8NaD3NjYajPdaNbrcWUOgvJBBbEqJFEhICEdAexH4U/+D+T/AMg/4H5pHbUV5bpv2AalexWWpaXZWdzospmn0WBo4YGDKAWYORI6Bj82FIB5AyMSD+x5NBaHPh+xgtr5SJAR/ZuqMIjgN2U888vhlH3sYo2/rzsG/wDXlc9OqpqmoxaRpc9/cq7RQLuYRgFjzjjJFQeHZY5/DdhJBZfYI2hUra9oh6Dpx6cDjHA6V57rZ0V9C1v+1hD/AMJKLyTAY5uQnmfu9v8AF5Xl7eny4znvTt71hfZueqUV5pr8Ed34l1iLXdU0rT5PkGntf2bSSrHsGHt381cNv3cKC2QM9hVjW9ItLn/hL7m+jW5urOxieCd1w0UiwEh0/uNkA5HPAqb+7cq15cp6HRXJaVp1rpfjGzWwhWD7XpTvcles7q8eHf8AvN87fMeTk811tU1b+vOxKd/68rhRRRSGFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVl2X/AB96j/19f+00rUrLsv8Aj71H/r6/9ppQATPcS3xt4JFiVY1dn25bkkcdu1Nk+1Wqlmu4Wj/vTrtx+IwKy/EVy0Ny8aEgyxICQewZv/rVz5dm+8xP1NfO4rMVRqShZt+rX4HXClzK52VtqIe88mW4tXyoKmJ+pzjHXrWhXHaBB52rxkjIjBc/0/U12Nehl2IniKTnLuZVYqMrIr3X+sg/66H/ANBanDrTbr/WQf8AXQ/+gtTh1r0jEjf/AFsP+/8A0NWqqv8A62H/AH/6GrVABVK/IW604sQB9q6n/rm9Xajmt4blAlxDHKoOQsihgD680AWfOj/56J/30KPOj/56J/30Kz/7K07/AJ8LX/vyv+FH9lad/wA+Fr/35X/CgDQ86P8A56J/30KPOj/56J/30Kz/AOytO/58LX/vyv8AhR/ZWnf8+Fr/AN+V/wAKANDzo/8Anon/AH0KPOj/AOeif99Cs/8AsrTv+fC1/wC/K/4Uf2Vp3/Pha/8Aflf8KAGXmi6dfXTXE11fK7YyINUuIl4GOFSQKPwFaSyRIgUSLhRgZfJ/M9aof2Vp3/Pha/8Aflf8KP7K07/nwtf+/K/4UAaHnR/89E/76FHnR/8APRP++hWf/ZWnf8+Fr/35X/Cj+ytO/wCfC1/78r/hQBoedH/z0T/voUedH/z0T/voVn/2Vp3/AD4Wv/flf8KP7K07/nwtf+/K/wCFAGh50f8Az0T/AL6FHnR/89E/76FZ/wDZWnf8+Fr/AN+V/wAKP7K07/nwtf8Avyv+FAGh50f/AD0T/voUedH/AM9E/wC+hWf/AGVp3/Pha/8Aflf8KP7K07/nwtf+/K/4UAaHnR/89E/76FHnR/8APRP++hWf/ZWnf8+Fr/35X/Cj+ytO/wCfC1/78r/hQBoedH/z0T/voUedH/z0T/voVn/2Vp3/AD4Wv/flf8KP7K07/nwtf+/K/wCFAGh50f8Az0T/AL6FHnR/89E/76FZ/wDZWnf8+Fr/AN+V/wAKP7K07/nwtf8Avyv+FAGh50f/AD0T/voUedH/AM9E/wC+hWf/AGVp3/Pha/8Aflf8KP7K07/nwtf+/K/4UAaHnR/89E/76FHnR/8APRP++hWf/ZWnf8+Fr/35X/Cj+ytO/wCfC1/78r/hQBoedH/z0T/voUedH/z0T/voVn/2Vp3/AD4Wv/flf8KP7K07/nwtf+/K/wCFAGh50f8Az0T/AL6FHnR/89E/76FZ/wDZWnf8+Fr/AN+V/wAKP7K07/nwtf8Avyv+FAGh50f/AD0T/voUedH/AM9E/wC+hWf/AGVp3/Pha/8Aflf8KP7K07/nwtf+/K/4UAaHnR/89E/76FHnR/8APRP++hWf/ZWnf8+Fr/35X/Cj+ytO/wCfC1/78r/hQBoedH/z0T/voUedH/z0T/voVn/2Vp3/AD4Wv/flf8KP7K07/nwtf+/K/wCFAGh50f8Az0T/AL6FZtgQ11qJUgj7V1H/AFzSnf2Vp3/Pha/9+V/wqeG3htkKW8McSk5KxqFBPrxQAktrbzsGmgikYDALoCcUz+z7L/nzg/79L/hViis3Tg3dxQ7siitbeBi0EEcZIwSiAfyqWiirjFRVkhble6/1kH/XQ/8AoLU4dabdf6yD/rof/QWpw60wI3/1sP8Av/0NWqqv/rYf9/8AoatUAFZOu20N3NpUFzEssT3oDI4yD+6krWrN1X/j+0f/AK/v/aUlAEv/AAjGh/8AQKtP+/QrP1jQ9LsYbSezsLeGVb23AdIwCMyrXS1k+Iv+PG2/6/rb/wBGrQAmr6qmk2aymKS4mlkEMFvHjdNIeijJAHQkk9ACao3Gs6rpthNdarpdtGqNGE+z3pkDFnCEHMakY3A8A59qPEttc79N1O0t3um0y5M728eN8iGNkbaD1YBs474x1qn4gu4/EPhu6tLSxvpQXh3rPYyxbh5q5ADqC3AJOAQB1oQM3YNY0y5tJrq21G0mt7ckTTRzqyR4GTuIOBgetFvrGmXdm13a6jaT2yuEaaOdWQNwMbgcZ5HHuK5nWI9Qstc1i402xLpJZ2ahvsplXiVwzBRjeyoc7RzwKy5dOur6LxBuh1K9huxYhZL2zETzhZTv+RUTgDg5XOB6Yo3B6Hd2uq6de28s9lf2txDCSJZIpldYyBkgkHA49aSx1jTNTONN1G0vDgn/AEedZOBjPQ+4/MVyfiLTLyTV9Wa0sJJrZraxeSNI+LhY5mLoOzNsGMemB3FR6iX1zxBqQ0W3uLa5m0KSGOaeBrdnbeMDDgMMZ6kY546Gj/g/gh/8D8bf5nY2eradqM0sWn39rdSQHEqQTK5jPT5gDx0PWkvtX03TP+QlqFracA/6ROsfB47n2rnPDVnDJqVnOZtbM1paNEsV9YpbxwqduU3LEgb7oxtLD5c+mdKWx87xwbmW2LxDTDEJGTK5MnK56ZI7US0/H9RLa/8AXQ0odV064vmsre/tZbpE3tAkys6rxyVByByOfcVX/tyyttNiu9WvtPs0lcqj/bFMbYJxh2C5OByMcc9cZrndF0qW00zwYq2MkL22/wA4eUVMW6F87uPly2OvfFVPs9zYaDpc8MN9Dq1vBOkMf9nvPFIGfJilAGUzhcNlcdckZFEtHYEdq2raamoR2L6hareSrujtzMokceoXOSOD+VQprVpDYJc6neWFqH3MGW7DRlQ2MhyFz1GeOCcVgwfabbxQosbW4H2udGv7aezbyYiIgPMinwF42qNuWz2C81Fo2mTCbww11ZSD7LHdsxkiP7piRtzkcEgnFAjqJtX02309L+41C1is5MbLh51WNs9MMTg5qa1vLa+i82yuIbiPON8ThxnAPUexB/GuH0yC50q9sLy+066aytrjUI1WK1eRoC82Y3CKC20qGAIB+96GtrwWUaDV3itmto31SZljZdpGQvJHYnrjqOh5oWv3X/Ib0++35m4NQs2t45xdwGGVxHHIJBtdicBQc4Jzxj1qO21jTL28ltLPUbS4uYc+ZDFOrOmDg5UHIweK5yz029TxU9m1u402xnl1CCQghXeVeEB6fKzTHHb5az9L/tK917QLi7i1ASQvL9qhOniC2sy0TDYhKbmBPGd7KcdsqKFqD0Ou0jWYtU0+1nbZBLcq7JAZAWIVsEjpkDjtxkVNPq2nW1m13c39rDbK5RppJlVAwOCu4nGcgjHqK5LTo7jSY/D15eWV55UMN1BMIrZ5HjZ3Vlyigtg7DzjuPWqMNlqSDS7+5TVdPgjuL8utrarNNA8kxKMUKPkFcjcoP3hzgk0ugdDuLjW9KtLKG8utTs4bWfHlTyXCqkmRkbWJwePSk1jWrLQtHl1K/lVYI1yMMoLnsFyQCT2Ga5GeyXTbG1u9IOrtfAXLwG500yrN5jgtHKiIvlhiAQfkxnJ7iui8SQXN34Iv4YrYm5ks2At4vmO7b90evpT6X/r+v69RbpFuXX9HgsYb2fVbGK1n4ine5RUk/wB1icH8KvRyJNEksLrJG6hldTkMD0IPcVywvBbeJzrFzZ30tncWKQ20iWMrvAyuxdWjC713ZU5K4O3r0rT8LWktloSxzQm3DzzSxwEAGKN5GZVIHQgEcdulMX9f1+RV0LxamtaXe3DWbW1xZhma3Z87052uGxyG2ntwQR2q+viDT4tHstQ1S7ttOS7iR1FxOqDLKG2gtjOM1yzaVf2vg201GytZf7QtYZoprXYd88Ds25AvXcOGX3GO9WNMEui39leanZXckLaPb28Tw2rzNbuuTIjKgLLuypzjHyYJ4FSttfL9fz0G/wCvw/LX5G7qmsz282nQ6VbW96+oM3ltJcmOMKE353Kj5yB6UWGtTSapJpmrWa2V4sXnp5c3mxTR5AJV8KcgkAgqMZGMjmuetoJtIXQri5srpII7y7l8mC2eZreOTeY1KxgkcMB7dKu3jX2p3k+s6fp0hSy0+aK0ju4ijXcr4JBjbDBRsA+bBO7jjkvZ/wBdgWv9eZsp4j0WWyubu31WyngtV3TPFcowj9MkHAz71Fa+K9EudFg1U6naQWk+AHmuEXa5GdhOcBgOozXO6TDe3Xib7STqVyjaVJE013Yi1RZN6Hy1XYrADnG7d7E4aktry+i0Pw/brFqNjFFa+TczxaY8txFKqoAiqyNhT82X2lTtwCOtH9fn/l+Iv6/BHbxSxzwpNBIskUihkdGyrA9CCOop9YHgm3ntPCdvDdwzQSrLNmOdQrqDK5GQoA6Y6cenFb9N7ggooopDCiiigAooooAKKKKACiiigCvdf6yD/rof/QWpw6026/1kH/XQ/wDoLU4daAI3/wBbD/v/ANDVqqr/AOth/wB/+hq1QAVWvdPt9RjRLtWYRv5iFJGQq2CM5Ug9Cas0UAZn/CP2H/T3/wCBs3/xdKvh/TxJG5W4cxusih7uVgGByDgtg8itKigAooooAKKKKAIrm3S7tnglMio4wTFK0bD6MpBH4Gq+n6PZ6W0rWqymSbHmSzzvNIwHQb3JbAycDOBk+pq7RQAUUUUAFFFFABRRRQBUv9Ng1JEW4e6QIcj7PdywE/UxsufxqSysrfTrNLWzjEcSZwMkkknJJJ5JJJJJ5JOTU9FABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBXuv9ZB/wBdD/6C1OHWm3X+sg/66H/0FqcOtAEb/wCth/3/AOhq1RRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAV7r/WQf9dD/wCgtTh1oooA/9k=)

1. Click Run. The new raster grid will be added as a new layer to your map. Click around the grid, and notice that all the values are either 1 or 0 (as you defined in the reclassify tool). Now that you have a discrete grid rather than a continuous grid, you can open the attribute table.
2. **Practice: How many pixels are between 500-600m? Now that you know both the number of pixels and the pixel size, what is the total land area between 500-600m? Do you think ArcGIS could calculate this for us?[[12]](#footnote-12)**

# Part D: Converting a Shapefile to Raster

*Summary: Data conversion returns as you convert a shapefile into a raster to align your data – and your analysis.*

[*GTCM*](https://www.careeronestop.org/competencymodel/competency-models/geospatial-technology.aspx)*: 5.2.19.3, 4.1.11.2, 4.1.6.7, 4.1.5, 2.3.5, 2.3.1, 2.4.2.2*

[Link to Video Walkthrough](https://youtu.be/hJvm_TC_dyo)

1. Add the layer bedrock.shp to your map. Open the attribute table and notice that the geologic units are recorded under the heading ‘Material.’ Let’s continue with our example of Pine Marten habitat. The animal prefers to forage in soils derived from Mu and MuG geologic parent material. We need to find a way to get that information from polygon (vector) to grid (raster) format so we can add it to our existing topographic analysis.
2. In Toolboxes, select Conversion Tools → To Raster → Feature to Raster.[[13]](#footnote-13)

A picture containing text

Description automatically generated

1. Select ‘bedrock’ from the Input features dropdown, and ‘Material’ as the field we want to convert into a raster grid. We want the material information to form the basis of our new raster. Name the output raster “bedrock1” in your lab6 folder.
2. **BEFORE YOU CLICK RUN**, notice that the output cell size is weird.[[14]](#footnote-14) Any time you are working with raster grids, it is a good idea to make sure they’re all the same cell size and extents.[[15]](#footnote-15) In this case, you want your new bedrock grid to match dem250k so that the two grids are comparable for our habitat analysis.

![Graphical user interface, application

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAeAB4AAD/4REERXhpZgAATU0AKgAAAAgABAE7AAIAAAATAAAISodpAAQAAAABAAAIXpydAAEAAAAmAAAQ1uocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFNvcGhpZSBBcmdldHNpbmdlcgAAAAWQAwACAAAAFAAAEKyQBAACAAAAFAAAEMCSkQACAAAAAzAwAACSkgACAAAAAzAwAADqHAAHAAAIDAAACKAAAAAAHOoAAAAIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAyMDIwOjAzOjMxIDA5OjE4OjIxADIwMjA6MDM6MzEgMDk6MTg6MjEAAABTAG8AcABoAGkAZQAgAEEAcgBnAGUAdABzAGkAbgBnAGUAcgAAAP/hCyVodHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLjAvADw/eHBhY2tldCBiZWdpbj0n77u/JyBpZD0nVzVNME1wQ2VoaUh6cmVTek5UY3prYzlkJz8+DQo8eDp4bXBtZXRhIHhtbG5zOng9ImFkb2JlOm5zOm1ldGEvIj48cmRmOlJERiB4bWxuczpyZGY9Imh0dHA6Ly93d3cudzMub3JnLzE5OTkvMDIvMjItcmRmLXN5bnRheC1ucyMiPjxyZGY6RGVzY3JpcHRpb24gcmRmOmFib3V0PSJ1dWlkOmZhZjViZGQ1LWJhM2QtMTFkYS1hZDMxLWQzM2Q3NTE4MmYxYiIgeG1sbnM6ZGM9Imh0dHA6Ly9wdXJsLm9yZy9kYy9lbGVtZW50cy8xLjEvIi8+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczp4bXA9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8iPjx4bXA6Q3JlYXRlRGF0ZT4yMDIwLTAzLTMxVDA5OjE4OjIxLjAwMTwveG1wOkNyZWF0ZURhdGU+PC9yZGY6RGVzY3JpcHRpb24+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iPjxkYzpjcmVhdG9yPjxyZGY6U2VxIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpsaT5Tb3BoaWUgQXJnZXRzaW5nZXI8L3JkZjpsaT48L3JkZjpTZXE+DQoJCQk8L2RjOmNyZWF0b3I+PC9yZGY6RGVzY3JpcHRpb24+PC9yZGY6UkRGPjwveDp4bXBtZXRhPg0KICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICA8P3hwYWNrZXQgZW5kPSd3Jz8+/9sAQwAHBQUGBQQHBgUGCAcHCAoRCwoJCQoVDxAMERgVGhkYFRgXGx4nIRsdJR0XGCIuIiUoKSssKxogLzMvKjInKisq/9sAQwEHCAgKCQoUCwsUKhwYHCoqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioq/8AAEQgBbAF9AwEiAAIRAQMRAf/EAB8AAAEFAQEBAQEBAAAAAAAAAAABAgMEBQYHCAkKC//EALUQAAIBAwMCBAMFBQQEAAABfQECAwAEEQUSITFBBhNRYQcicRQygZGhCCNCscEVUtHwJDNicoIJChYXGBkaJSYnKCkqNDU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6g4SFhoeIiYqSk5SVlpeYmZqio6Slpqeoqaqys7S1tre4ubrCw8TFxsfIycrS09TV1tfY2drh4uPk5ebn6Onq8fLz9PX29/j5+v/EAB8BAAMBAQEBAQEBAQEAAAAAAAABAgMEBQYHCAkKC//EALURAAIBAgQEAwQHBQQEAAECdwABAgMRBAUhMQYSQVEHYXETIjKBCBRCkaGxwQkjM1LwFWJy0QoWJDThJfEXGBkaJicoKSo1Njc4OTpDREVGR0hJSlNUVVZXWFlaY2RlZmdoaWpzdHV2d3h5eoKDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uLj5OXm5+jp6vLz9PX29/j5+v/aAAwDAQACEQMRAD8A9m8U+KbbwpYw3V5BLMksnlgRYyDgnuR6Vy//AAuXRv8AoH335J/8VXY6xoWm+ITBaaxbfaIE3SKm9kwwwM5Ug9Cazf8AhWHhD/oEf+TM3/xdd9CWCUP3yk35f8OefiI41z/cyio+f/DGB/wuXRv+gfffkn/xVH/C5dG/6B99+Sf/ABVb/wDwrDwh/wBAj/yZm/8Ai6P+FYeEP+gR/wCTM3/xddHPlv8ALL8P8zn5Mz/mj+P+Rgf8Ll0b/oH335J/8VR/wuXRv+gfffkn/wAVW/8A8Kw8If8AQI/8mZv/AIuj/hWHhD/oEf8AkzN/8XRz5b/LL8P8w5Mz/mj+P+Rgf8Ll0b/oH335J/8AFUf8Ll0b/oH335J/8VW//wAKw8If9Aj/AMmZv/i6P+FYeEP+gR/5Mzf/ABdHPlv8svw/zDkzP+aP4/5GB/wuXRv+gfffkn/xVH/C5dG/6B99+Sf/ABVb/wDwrDwh/wBAj/yZm/8Ai6P+FYeEP+gR/wCTM3/xdHPlv8svw/zDkzP+aP4/5GB/wuXRv+gfffkn/wAVR/wuXRv+gfffkn/xVb//AArDwh/0CP8AyZm/+Lo/4Vh4Q/6BH/kzN/8AF0c+W/yy/D/MOTM/5o/j/kYH/C5dG/6B99+Sf/FUf8Ll0b/oH335J/8AFVv/APCsPCH/AECP/Jmb/wCLo/4Vh4Q/6BH/AJMzf/F0c+W/yy/D/MOTM/5o/j/kYH/C5dG/6B99+Sf/ABVH/C5dG/6B99+Sf/FVv/8ACsPCH/QI/wDJmb/4uj/hWHhD/oEf+TM3/wAXRz5b/LL8P8w5Mz/mj+P+Rgf8Ll0b/oH335J/8VR/wuXRv+gfffkn/wAVW/8A8Kw8If8AQI/8mZv/AIuj/hWHhD/oEf8AkzN/8XRz5b/LL8P8w5Mz/mj+P+Rgf8Ll0b/oH335J/8AFUf8Ll0b/oH335J/8VW//wAKw8If9Aj/AMmZv/i6P+FYeEP+gR/5Mzf/ABdHPlv8svw/zDkzP+aP4/5GB/wuXRv+gfffkn/xVH/C5dG/6B99+Sf/ABVb/wDwrDwh/wBAj/yZm/8Ai6P+FYeEP+gR/wCTM3/xdHPlv8svw/zDkzP+aP4/5GB/wuXRv+gfffkn/wAVR/wuXRv+gfffkn/xVb//AArDwh/0CP8AyZm/+Lo/4Vh4Q/6BH/kzN/8AF0c+W/yy/D/MOTM/5o/j/kYH/C5dG/6B99+Sf/FUf8Ll0b/oH335J/8AFVv/APCsPCH/AECP/Jmb/wCLo/4Vh4Q/6BH/AJMzf/F0c+W/yy/D/MOTM/5o/j/kYH/C5dG/6B99+Sf/ABVH/C5dG/6B99+Sf/FVv/8ACsPCH/QI/wDJmb/4uj/hWHhD/oEf+TM3/wAXRz5b/LL8P8w5Mz/mj+P+Rgf8Ll0b/oH335J/8VR/wuXRv+gfffkn/wAVW/8A8Kw8If8AQI/8mZv/AIuj/hWHhD/oEf8AkzN/8XRz5b/LL8P8w5Mz/mj+P+Rgf8Ll0b/oH335J/8AFUf8Ll0b/oH335J/8VW//wAKw8If9Aj/AMmZv/i6P+FYeEP+gR/5Mzf/ABdHPlv8svw/zDkzP+aP4/5GB/wuXRv+gfffkn/xVH/C5dG/6B99+Sf/ABVb/wDwrDwh/wBAj/yZm/8Ai6P+FYeEP+gR/wCTM3/xdHPlv8svw/zDkzP+aP4/5GB/wuXRv+gfffkn/wAVR/wuXRv+gfffkn/xVb//AArDwh/0CP8AyZm/+Lo/4Vh4Q/6BH/kzN/8AF0c+W/yy/D/MOTM/5o/j/kYH/C5dG/6B99+Sf/FUf8Ll0b/oH335J/8AFVv/APCsPCH/AECP/Jmb/wCLo/4Vh4Q/6BH/AJMzf/F0c+W/yy/D/MOTM/5o/j/kYH/C5dG/6B99+Sf/ABVH/C5dG/6B99+Sf/FVv/8ACsPCH/QI/wDJmb/4uj/hWHhD/oEf+TM3/wAXRz5b/LL8P8w5Mz/mj+P+Rgf8Ll0b/oH335J/8VR/wuXRv+gfffkn/wAVW/8A8Kw8If8AQI/8mZv/AIuo7j4ceCbSBp7rTo4YkGWkkvJVVfqS/FHPlv8ALL8P8w5Mz/mj+P8AkYn/AAuXRv8AoH335J/8VR/wuXRv+gfffkn/AMVWnZ+B/h9qMjR6fBa3TqNzLBqDuQPUgPVz/hWHhD/oEf8AkzN/8XRz5b/LL8P8w5Mz/mj+P+Rgf8Ll0b/oH335J/8AFUf8Ll0b/oH335J/8VW//wAKw8If9Aj/AMmZv/i6P+FYeEP+gR/5Mzf/ABdHPlv8svw/zDkzP+aP4/5Fnwx4pt/FNk91Z28sMSyNH+9I3ZUKTwM8fOK3RWZpeg6b4e22mj232eB98jJ5jPljsGcsSegFaYrzKrg5v2e3S56lJVFBe0+LrYjX/j+j/wCub/zWqeu6tLp/2S1sY1lvr6XybdX+4vGWdsclVAzgdeBxnNXF/wCP6P8A65v/ADWsnxJbXEep6RrNtDJcLp8ziaGJdzmORdpZQOSRwcDkjNOiouaUv600/EVZyVNuP9dyyNJ1QBH/AOEiuzKGDMpt4PKPOSNuzcAeR9/I9TVi+1qx06dYLiSRp2UuIYIXmfb03FUBIGeMkYrlvFWtaVe6Ytxoutl9SaSFIYbTUHDNmQZHlK3JwTnK5/KluCuneOdVk1PW5tGS9ihe2m/crHKqLhl3SIwBUnOAR97OK6lQc1eem+lrPS3ZefbozlddQbUNdtb33v3fl36o6l9b02PSo9Sa7j+ySgeXIOd5PRVA5LdtoGc8Yptlrlhf3bWsEkiXCp5nk3EEkDlc43BXUEjPGRxXLSWVrpDaDqNvcz3mkwXdxNPcSAEKZVOJPlUAJuJ5Axhs9Oav3F3ba54w0WTRZ47tLHzpLm4t3Doism0IWHGScHHXjNS6EOl7a69rX0fn9241Xn1tfTTvfqtf89jQbxdoypM63Msq27Os5htZZPJKkg79qnaODycA4OM4q1da7plnbWtxcXkaw3bBYJFyyyEqWGCM9QDj1rlvC2v6RpOn6uuo3MVpIupXTlZflaYbzyg/j6Y4yeMelQWdhLbaT4RgvrcwsdUkmEDrgxArK6gjsRkcdqt4aCdndfro3pp/VyFiZtXVnv8ALW2up182u2FvaQ3E8ksYnYrFE1vIJpCOoEW3efXp056VJp+r2WptMlpK3mwECWGWJopEyMglHAYA9jjBrF1SVNL8c2mqakwisGsXtluH4jhlLhvmbou4cZPpiqdzv17xFf3fh+VZYl0iS1+1RtmOSZjlFDDgleckdM1mqMHG+u179FrtsbOtJT5dN0rdXtqtf6tub8fiTTJrgQwSyzbpBEJoraR4S2cY80Ls68devFJN4l0qC5eGS5bMcgiklWF2ijcnG1pANinJHBI61n+G9d0lNE07TVuY7W9jiS3Ni5xNHIBggp97rznGMc9K5vSLeyHhuXQtc8R3VjcB5IbnTyIFZyzE5QNEXfcGBBBJOeK0WGhdpp6fj57f1fcyeJnypprX8PJ3a/pPQ7e91/T7C6a3nkleZU3ukFvJMY19W2Kdo+uKLzxBp1jcm3mlleZU8x0gt5JjGvYtsU7R9cVzOtzQaFqN1e6HrcS6qsccc+mXAEhvSqYjAXh9xDDleD6daNcvY9L1K71TR9Wht9YeOMXGjzhZDdME+RVUEPuw4AK5BwOOtKOGhLltfVfjp5aLz16bDliZx5r20/rutfLT5nRpPZx+Irsm/uWnW0SSS1ZiYo48nDgYxk4Oec8dKig8XaJdLbvBds0VwQsc/kSCIseimQrtDdsEg54rLLM/jbVWdCjNokRKE/dO6Tisu6UJ8DbbaAuLa3YYHQ+YpzTjQhJxUr68q++/kTKvON3G20n91vPzOzv9asdNuI7e5kkaeVSyQwQvNIVHVtqAnHvjFGma3p+s+f8A2bced9nYJL8jLsYjODkDn1HY8HmsNL220Xx1q02tTx2kV7DAbS4nYJGyoCGQMeAcnO3rzmjwfcxXmueJbi3VlikvEK7kK7h5S/Ng9j1B7g5rN0Iqm5a6JO/TVrT5X77o19vL2ijpq2rddm77+XbZnV0UUVxnYFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFctrvj6w8O6gbTUrDUA2MpIkaFJB6qd9dTVW+0uy1MQi/to7gQSCWPeM7WHf/61ACaZf/2np8d2LW4tVlGVjuFCvjscAnFZ3jCRU8MzoyuxkdFVUjLk/MCeAD2BrcooA4Pw/dW9x8T9UurRX+y3NuscMggZVZlC7hkjjG09fSu8qtYWEWnW7QwM7K0skpLkE5dy56dssas0Aef6/f3PhjXLtPDkrTm7Rri7tfLMgtCTzOMdM9dp611PhiztLTQ43sbprwXJ8+S6ZsmZ2Ayx9OmMdsVcs9Ls9PluZLSBY5LqQyzPkkux9Se3t0Hal0/TLPSopY9PgEEcsplZFJxuOM4B6dOg4oAWb/j8j/65t/NaeKZN/wAfkf8A1zb+a08UARr/AMf0f/XN/wCa1aqqv/H9H/1zf+a1aoAKKKKACiiigDK8PaTLo9ncwzujma8muAUzwHcsBz35rVooqpSc5czJjFQVkFFFFSUFFFFABRRRQAUUUUAUrh9TS6P2SC0mgKjAlmaNlbnPRWBHT079ag0PSZNNjupryZJ729mM9xIibVBwAFUddoAAGevXvWpRV875eVdSOROSb6BRRRUFhRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBWm/wCPyP8A65t/NaeKZN/x+R/9c2/mtPFADB/x+R/7jf0qzVYf8fkf+639KsMwRSzEKoGSSeAKAFornDc3Os20l/LfPpejIC0bRECWdR/GWI+VT1AHJHOR0pbTT3uLGO/0DWr75xvjF4zSRyD0ZXG4A+oIoA6KiqGk6mdRgkWeLyLu3cxXEG7OxvUHupGCD3Bq/QAUUUUAFFFFABRRRQAUUUUAFFFZV54k06x1F7CU3UlykayPHbWU0+1WJAJKIQM4P5UAatFR286XNuk0YkVHGQJI2jYfVWAI+hFSUAFFBIUEngDkmq9hfW2p2EN7YyebbzrvjfaRuHrg80AWKKKKACiioby7gsLGe8u5PLggjaSR8E7VAyTgc0ATUU2KRZoUljOUdQynHUGnUAFFUNU1qy0cQfbnlBuJPLiSGCSZnbBOAqKT0BPTtS6brVjqzTJZyv5sBAlhmheGSPIyCUcBgD2OMGgC9RRRQAUVXt9Qtru6ura3l3y2jhJ1wRsYqGAz34I6VYoAKKKKACiiigAooooAKKKKACiiigAoorN1jUJrRILawVXvrt9kAcZVQOWdvZRz7nA70AaVFcj4gsNM0LQZ9V1qGXWZ4yu5p5D8xZgPlX7qDnoBVyayl0K3/tDRDM1qoDz6e7FwU7mPJyrAc4BwcYx3oA2Zv+PyL/rm381p4qETx3MltPA4eKWEujDoynaQamFADB/x+R/7rf0ql4q8z/hEdV8nO77LJ0642nP6Zq6P+PyP/db+lWGVXQq4DKwwQRkEUAcN8Rv7Q/sKxGmeT/Znmp5+7O3b/Dux/B61Jaf8LA3w7v7I+z5XPl/3Pb8K0/s9zo1rJp9xZSano7ArH5I3SQof4GUnLKOgI5wAMd6W01L7PYx2Hh/R79tg2R/a43ijjH+08nzED2yaALMH/I73nldPsEPm4/vb5NuffGa2az9I006fDK9xKJ7y5fzLibGNzdAAOygYAHoK0KACiiigAooooAKKKKACiiigArjzLqUfxK1T+y7S1uSdPtt4ubpodvzyYxtjfP6V2FUYtKgh1y51VXkM9xDHC6kjaFQsRgYzn5j3o6h0a/rc5nWNR1C78WW+kSWl+8MVgLq4g0u6WNndm2geazxtsXB+7jJIyOMU+2ubiw0G7g8SHU7S3e9EdgvneZdyoQGEe6JmYnIYZ3btvUjrW7qegw6jfW99HdXNjfW6siXNqV3FG6owdWVlzg8jgjjFRXXhuK90+KC7v72W4huBcxXpZPNjkHQgBdgGOMbcYJ4yc0Lb+u/+Qdf67f5nP6WbiTxFqmjzx6ta2MmnpcrBe3xeVG3FSVlSVmCnA43dQeOec/S420z4ceHbiyubuOS6u7JZc3UjAqZQCoBYhQQeQMA12GneGoLDWJ9Ue8vLy8uIBBLJcupDKGJHyqoA64wAB7ZJJhXwhaDQptHa8vHsmIa3QsgNoQ25fLYKDwcY3FugoWn4fg3+gb3/AK6CapdTR+OtAto55FilhumkiVyFfATBI74ycViaLPc23hnV/EN5d3l7PZT3rW8L3MgjVEdwFKg4boeSDgYxjFb9v4Whj1221i61G+vb23jeJHnaMDY2ONqIo4xnIGeeScDFzTdFtdM06Wxi3ywzSyyOJiDkyMWYcAcfMfwpNO2nZ/mNefc4/T116S10q+tLTW5b2SSKS6uLm9h+zTRtjzMRCYhRtOV2oCMD3z0Hju3S58C6v5jSDy7SSQeXKyZIU9dpGR7HIPcVLp3hr+yxDDbavqX2G3bMVkzxlFUHITds8wqOwL9Bg5HFat5aQ39jPaXSeZBPG0cinupGCKc9YtIIaSTZyDxyQ3Hh3QLO6vILW/je4upftUjysqIv7tZGYsgJIztIwBxjNXrIy6P45XSIbm6nsbuxa5VLmZ5mhkRlU4dyW2kMOCcAjjrVtvC0UmnWtvPqN9LNZSB7S9JjE0GBtwCqAEYyCGBznnPFWtO0OGwvZr6W4nvr6ZBG11cld4QchAEVVUZJPAGT1zVN3lf1/wCB936EJWjYx/GLXCav4aayiimnGoNsSaUxqf3MnVgrEfkah0O4WbXtc1rWXWxvLSIWs9sDlbeJMuJN5++GByDtXpjHGa6K/wBKg1C8sLmZ5FewmM0QQgAsUK88dMMemKrX/hqx1HVDfT+YGktXtLiNCAlxE38L8Z45wQQRk1GqWnn+Rejf3fmcsb2S01bQrnSV1xbW8vBbyXGoXLPFdIysciJ5CyHK5BCKOvYirLXDWfiaVfFMmrWzTXo/s+7huHW0ZNy+XEVRtoY8g+YvPPPTGpH4MgEunPdarqV3/ZkiyWqzPGFTapXBCoN3BHLZPHBGTmxP4ZS8uFOoanf3dqtx9oWzlMflhg25RkIHIU9AWI4AORVaJ/1tp+JLvb+t9fwObsYYdE1DxjqsP2uWTT38yON72ZlfFurfMCxDfUg47dBSaeuvSWulX1paa3LeySRSXVxc3sP2aaNseZiITEKNpyu1ARge+esGgQLrF1fR3E6JeKBdWo2GKchdoJBUsDjA4IzgZqDTvDX9liGG21fUvsNu2YrJnjKKoOQm7Z5hUdgX6DByOKUdLfL8N/vG9fx/r5GbolvPqPizX5b2/vHgs75FtrdLl0RD5SMchSNwOR8pyOvHNdbVGw0qDTry/uIXkZ7+cTyhyCAwRVwOOmFHXNXqOiXoHVsKKKKACiiigAooooAKKKKACsS9Jj8Zae7kAS2U8UJYZAk3Rtj8VUn/AICa26p6np0WqWfkSM0bKwkilT70TjkMPcf4igDz3xvZ+LIvCt2+salYT2QZN8cMRVj84xjj1xXRaZD4qtGiutZ1XTm06OPfMqwkNsC564FP1i01TUtHm0nV9La/ikK/6TYTpGWwwIJWQjaeOQCRVs2Goaz5cWqRJY6dGVJs1kEjz45AdugXgfKM57nHFACeG43i8P6QkqlT9jyFPVQdpA/AEVsimTf8fkX/AFzb+a08UAMH/H5H/ut/SrNVh/x+R/7rf0qzQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAVpv8Aj8i/65t/NaeKZN/x+Rf9c2/mtPFADB/x+R/7rf0qzVYf8fkf+639Ks0AFFcTqGo6pN4o8Q20euS6bbabZRTxBYoSgZlYkuXQkjgdCKv2Xiy6PhSy1W70W9neSzF1cfZFQLGMZOA7qTnBIAycYz1GTpf+uv8AkHW39dP8zp6K50+NLGTULKzsLS9v5b6zF5B5CKA0ZOOS7LtPfnHp1wKmvfFEWm30MV9pt/Bbz3K2sd4yx+UZG4HAfeASMZK4/DmgDcorlbr4gafarfyvp+ota6bdfZbu5SNCkTZA3Y37ivPYE+o6VdtPFllPfT2t3Bc6c8Vr9sBuwiiSDJBcbWOAO4bBGRxR0uBu0Vz9v4wtpruzhk0+/t01BWNlPMiBLnAyAMMSpI5G8LmqOg+NJLvS9Vv9es2sLewupYvNwpXCsAEwrsxfnHAwSRjNAHXUVz6+MLaOeeDUNPvtPuIrNrxIrhY8zRrndtKOwyOOCQeRUUXje0l0u0vl07UAl+6R2UbJGHuWYZwoL8Ywclto44JGKAOloqvY3T3lqs0tpPZuSQYbjbvXBx/CSOevBNWKACiuN8KawuqTIbvxWZb7z5lOmB7YcK7ADaE8z7oB61o2vjK0uvskosL+O0u5/s8d3JGojEmSApG7dyRjdt25I5o7B3OhorHPiW0GivqIhuCEuPsxtwo83zfM8vZjOM5x36HNUk8QWOk2t/dSPqVyp1X7KyPiQpI20BYwD9zkYHXk8Uf1+X+Yf1/X3HS0ViP4k2zx2iaRfy37RmZ7NDDvhTcVDMxk2DJHADEn04OGt4tsjDYNbW15cyXzSJFBFGN6un3kbcQFIII5OOOuOaAN2isBvGFlHpou5bW8Rheixe28sGWOYnABAJBHQ5UkYIqNvGUYa7hGjao13YqHurYJFuiQrkPu8zYwPOArFuDxQB0dFY03ia3zCunWl1qcktut15dqqArE33WJdlAz2GcnB44qM+LLWSa2h0+zvL+W6tRdxLbooymccl2UKR6Ej068UAbtFcrP4xlkuNDbStMuLq21JpA/CK6lVbKYaRcMCvOeMA4JNalnr639+0Nrp949uszwG9Aj8oOmdwxv38EEZ24z370Aa1FFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUVzt9qck9rcXZuXtNOhyA8I/eTYOOCegzwPWtIU3N2RnUqKCuzoqK5Gyu7n7WkUUt9bTyR+ZFHeyCWOYDqPVTXSadei/tBJt2SKSksZ/gcdRVVKLhqRTrRqaCzf8fkX/XNv5rTxTJv+PyL/AK5t/NaeKxNxg/4/I/8Adb+lWarD/j8j/wB1v6VZoA5geELe58aajrGrWdjeQTwwpbrNEJHjZAdxwy4GeOh7VV8S+FNQ1jW5rgJYX9pLZGCKG/dttpKScyogVlY4xzweOtW7vXfFMN5NHa+DvtECSMsc39qRJ5ig8NtIyMjnHaof+Eh8X/8AQj/+VaH/AArf6tNrdf8AgUevzOf61BN6P/wGXT5DPD3hO+0nWNKurmW3aOz0YWEgjZiTJvDZGQPlwPr7VlXPgPVrm88ycabcTLqq3g1KeR2uGhDgiLBT5QBwAGxx0Gc1sf8ACQ+L/wDoR/8AyrQ/4Uf8JD4v/wChH/8AKtD/AIVX1epe91/4FHvfuT9Zp2taX/gMu1uxUvPBmo3HhnxPpyTWom1e/a5gYu21VJThvlyD8p6A1f1XwnNqviOW6mmjSzm0aTTn2k+YGZs7gMYxj3/Co/8AhIfF/wD0I/8A5Vof8KP+Eh8X/wDQj/8AlWh/wpfVp2tdf+BR7W79h/W4dpf+Ay737EfhzwrNpUlit1oXh5HtRtbULZP30mAQGC+WNrHgk7z39eIG8E31xoOvaLcy2ot7+8e8trhWZmDF1YK8ZXGMrjIY5Harf/CQ+L/+hH/8q0P+FH/CQ+L/APoR/wDyrQ/4UPDzet1/4FH/ADEsVTXSX/gMv8hlt4Xn+w3cR0Hw9pk81jJAJ7AEs7suOvlKVXrx8x6enM03hud/BemaLc6dpuqC3gSGeO6meNcrHt3RuEYg574Bweopn/CQ+L/+hH/8q0P+FH/CQ+L/APoR/wDyrQ/4UfV5vqv/AAKP+fmCxVNdJf8AgMv8jV8L6XeaNoMVnqF19olV2YfOziJScrGGb5mCjgE81r1n6LealfWbyaxpX9lziQqsP2hZty4Hzbl4HJIx7VoVjJNOz/zOiLUo3X+X4HO+HbHW9Ht0sLi1097VZpXNwl4+/a7sw+QxYz82PvVH/wAI3ef8Irp+meZB51reQzu247SqTCQgcZzgenWumoqexXc53/hG5h4sN6JY/wCzWkF2YMncbkJ5e7GMbdvP+8M1C/hm8aGZBJBmTW11EfMf9WGU46fe+U8dPeuoooWjv/XR/ogev9ev+Zh3em6la+IpdW0dbW4+026QT291K0QGwsVdXVG/vMCMehzxVfTvDVxZXenTyTxSPFNdXF0QCoLzc4QegPHJ7V0lFAbnLyeGbx7yeUSwbZNai1ADcc+WkaKR0+9lTx0960I9InTXNXvS8fl31vFFGMnIKBwc8dPmHrWxRSt7vL/W1v0HfW/9b3OI/wCEJkhksbh9N0jV5I9Ois54L/hVaMcPG/lueckEbRng54xW7p+iyWWrwXSx2sEMeni2MNsu1VffuO1cYC1tUVV9b/11/wAybaW/r+tDkofDWpWVvpslubSa5sb+5uDHJKyI6TNJxuCEhgHHbHBHvU0Gh6j/AMJPHqIt7HTlErtcS2dxIWvVwwUSRbFXPzA7iWIIwODXT0UhvUKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigCOdWe2kRPvMhA+uKx9HEU2g2sZjXasYR0YZwy8EH8RW5WZc6ZOlw9zpkyRvIcyRSgmNz68cg/T8q2pySTizCpFtqSM/TIri91CTUb+NoTGWit4WXGxeMt7k1c0T57vU5ox+6e4AUg8MQgBP58fhVTT9Cv7a3a1EsFpbuxdzA7SOSeuCwAH5Gt63t47W3SCBdsaDCita046pMyo05aNr/AIcim/4/Iv8Arm381p4pk3/H5F/1zb+a08VyHYMH/H5H/ut/SrNVh/x+R/7rf0qzQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAVpv8Aj8i/65t/NaeKZN/x+Rf9c2/mtPFADB/x+R/7rf0qzVYf8fkf+639Ks0AFV7u+trEQm6k8vz5lgj+Unc7dBx/PpViuf8AFv3NG/7C9v8AzNHVLzX5h0b9ToKK4KV7qC1uNX/tG+aaHXfIjjNy3lCIzhChTO0jDHkgkcYIxTbqVjpXiXUjrN6t5p17KLVEumCxMNpSMxg4cMcDDA9cDFC1V/66f5j62+X5/wCR39MWeJ53hWVGljAZ4ww3KDnBI7ZwfyNcZqerT22jeMpJ714JbdE8r96VMJa3TG3n5cvnGO+e9XdKsYV8f6rcCS4MotLZ9pupCuW80HKFtuOOBjA5ximT0v8A10/zN271W0sbu2tZ3fz7okRRxxPIxxjJIUHCjIyxwBnrVyuX1Oyjb4hafc5uGkXT7h1RLmRVJV4sDaGxg55GMHjOcCsrw0+t3yaXrU1zCi3DM10W1WWQSDa26MW5jCIykfwnI2HJPOUtrv8ArX/gDZ3tMhniuI/Mt5UlTJXcjBhkHBGR6EEVwWnX082v6LPE1zDZ6yJiEn1WSWWaPyywbysbYsEDBRuM4+i6Ki6ZpujNbXNyiXGuTxTb7uR1YA3AC/MxHJC8dzgnJp2B/wBfcd/RXC3N7PqGoXVvBqVwsLeIEtS0E5BVPsw3xgg8fNnp0PPWortNYvtV1i1sp1gGlhI7Z5tYmgMK+WGErqEYSgnPMhIO0j1JS1V/62T/AFG97f1u1+h39FckWubXxVDNqs1xPFczpDbS2d4wihcR8xSQ5AOSGIbDHkZ24FdbR0uIKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooArTf8fkX/AFzb+a08Uyb/AI/Iv+ubfzWnigBg/wCPyP8A3W/pVmqw/wCPyP8A3W/pVmgAqpeNE00EL2RvHyZo1CodhQj5vmIwQWGMc1bqv/zHLf8A695f/Qo6AK7Qq0TRNoTmNpPNZCsOC+d27G/rnnPXNZtnoMEF7NeXWh/a7prp7iKeSKAvDuOcKxcng9xiujhvbee8uLWKTdNbbfNXaRt3DI56Hj0qejZ3AwrrT7W+uRcXvhsXE4QxiWaOB2CHIK5LZwcnj3NSNAj30d6+gu11EpSOcrCXRT2Db8gc9K2agsr231G0W5s5PMhYsobaRkqxU8H3BoApFpGuFnbR5jMilFkJh3KpwSAd+cHA/IVVi0+1h1FtQh8NrHevndcpFAJGz1y27JreooAwLbTbOzuDPaeGVgmZ/MMkUVurFsEbshuuGPPufWlfTbOSO5jfw0rJdsHuVMVuRMwOQXG75jn1rXtL23vlla1k3iKVoX+UjDqcMOfep6AMSGzgt0RLfw95So4dFRIFCsF2gjDcEKAM+nFMvNPtdRuI59Q8NrdTRf6uSeKB2TnPBLcc1vUUAYa2VumpNqKeHdt8ww1yI4BKRjHLbs9OKt/aLn/oGXX/AH3F/wDF1o0UAZ32i5/6Bl1/33F/8XR9ouf+gZdf99xf/F1o0UAZ32i5/wCgZdf99xf/ABdH2i5/6Bl1/wB9xf8AxdaNFAGd9ouf+gZdf99xf/F0faLn/oGXX/fcX/xdaNFAGd9ouf8AoGXX/fcX/wAXR9ouf+gZdf8AfcX/AMXWjRQBnfaLn/oGXX/fcX/xdH2i5/6Bl1/33F/8XWjRQBnfaLn/AKBl1/33F/8AF0faLn/oGXX/AH3F/wDF1o0UAZ32i5/6Bl1/33F/8XR9ouf+gZdf99xf/F1o0UAZ32i5/wCgZdf99xf/ABdH2i5/6Bl1/wB9xf8AxdaNFAGd9ouf+gZdf99xf/F0faLn/oGXX/fcX/xdaNFAGd9ouf8AoGXX/fcX/wAXR9ouf+gZdf8AfcX/AMXWjRQBnfaLn/oGXX/fcX/xdH2i5/6Bl1/33F/8XWjRQBnfaLn/AKBl1/33F/8AF0faLn/oGXX/AH3F/wDF1o0UAZ32i5/6Bl1/33F/8XUltcC5h8wI0fzMpV8ZBVip6EjqKu1m6f8A8e8n/XxP/wCjWoAtUVSLXNzdzRxzLDHEwGVXLHKg9+O9Nke5tR+9u7baT8rTjaT+RArnddK7s7d9P8yuUv0VRsr8TzyQyTW7OpG3ym+8MZ9avVpTqRqR5oiaadmVpv8Aj8i/65t/NaeKZN/x+Rf9c2/mtPFaCGD/AI/I/wDdb+lWarD/AI/I/wDdb+lWaACq/wDzHLf/AK95f/Qo6sVX/wCY5b/9e8v/AKFHQBzM1raXfizxN9s1W6s1ggglxb3TQeWPLP70lSCcY6HK8ciqEF9r3iC6sLSdRu/siG6Mf9pS2DSSOSGf90hLYwvynABbocjHbXehaRqE3nX+l2V1KCG3zW6O2RwDkipNQ0nTdWRE1XT7W9WM5RbmFZAp9RuBxS/r8/6+X3P+vy/r5/fy1il1qWqw6dr2qTZtdLinD2N28K3DszB5d6bSwAVP9n5s45FZ2gI1/p/hm0Go3X2Wdb15Wt52iM4WUFSShBHJzxjqR0Ndxd6Npd/HAl9ptpcpb/6lZoFcRf7oI46Dp6VNHY2kLRGG1hjMO7yysYGzcctj0yevrVdSTiJppLnw5reuSaneQanY3E6QxJduscLRuRFGYgdrbgFPzKSd/wBMaNqDrWv6v/at9dWjafJEsNvBdvCsaGNX8xgpAfcxYfNkfJj1roJdG0yfUk1CbTbSS9jxsuXgUyLjphsZFLd6Ppl/dRXN9p1pczwY8qWaBXaPBz8pIyOeeKS0/r8Rv+v8jitCuZrjxXcadezTWVkuo3M1r5TlPt0okYsjMDwFAzs/i68gEV6DVWTTLCaLyprG2kj83z9jQqR5mc78Y+9nnPWrVC+FLsD3bCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAqvf2aajp89pJLPCsyFDJbTNFIme6upBB9xViigDhvAHgHVPCdze3GueLtY8QSyyMLdby8leOKLtlGYgv6n8q6fT/+PeT/AK+J/wD0a1aVZun/APHvJ/18T/8Ao1qAOe126Zbye3QkZkDtg/7Cgf1rILM33iT9TXeSWdrLIXltoXc9WaMEmm/2fZf8+cH/AH6X/CvncRlNWtVlPnWrOuNeMVaxz/hiDfeyzEf6tMD6n/8AUa6io4reGDPkRRx7uuxQM/lUletgsN9Woqm3dmFSfPK5Wm/4/Iv+ubfzWnimTf8AH5F/1zb+a08V2GYwf8fkf+639Ks1WH/H5H/ut/SrNABUU9pb3W37TBFNt+75iBsfnUtZPiC/vLG3s105oEmuruO33zxGRVDZ52hlJ6etAFv+ytO/58LX/vyv+FH9lad/z4Wv/flf8KrpcXdtc2Nrf39o9xO0hKx2boJVUZwv7xthGQSSTnsBRb+I9MutQWzhndpHZkjcwOI5GXO5UkK7GIweASeD6GgCx/ZWnf8APha/9+V/wo/srTv+fC1/78r/AIVmWHieD+wLK91Rtk92WVIbaF5Gcgn7qKGY4AyfSp/D2tf25DfTIUMUN28ERVSpKhVPzA8hskgjjGMYoWobFz+ytO/58LX/AL8r/hR/ZWnf8+Fr/wB+V/wq3RQBU/srTv8Anwtf+/K/4Uf2Vp3/AD4Wv/flf8Kt0UAVP7K07/nwtf8Avyv+FH9lad/z4Wv/AH5X/CrdFAFT+ytO/wCfC1/78r/hR/ZWnf8APha/9+V/wq3RQBU/srTv+fC1/wC/K/4Uf2Vp3/Pha/8Aflf8Kt0UAVP7K07/AJ8LX/vyv+FH9lad/wA+Fr/35X/CrdFAFT+ytO/58LX/AL8r/hR/ZWnf8+Fr/wB+V/wq3RQBU/srTv8Anwtf+/K/4Uf2Vp3/AD4Wv/flf8Kt0UAVP7K07/nwtf8Avyv+FH9lad/z4Wv/AH5X/CrdFAFT+ytO/wCfC1/78r/hR/ZWnf8APha/9+V/wq3RQBU/srTv+fC1/wC/K/4Uf2Vp3/Pha/8Aflf8Kt0UAVP7K07/AJ8LX/vyv+FH9lad/wA+Fr/35X/CrdFAFT+ytO/58LX/AL8r/hR/ZWnf8+Fr/wB+V/wq3RQBU/srTv8Anwtf+/K/4Uf2Vp3/AD4Wv/flf8Kt0UAVP7K07/nwtf8Avyv+FH9lad/z4Wv/AH5X/CrdFAFT+ytO/wCfC1/78r/hR/ZWnf8APha/9+V/wq3RQBU/srTv+fC1/wC/K/4VYiijgjEcMaxovRUXAH4U+igAooooAKKKKAK03/H5F/1zb+a08Uyb/j8i/wCubfzWnigBg/4/I/8Adb+lWarD/j8j/wB1v6VZoAKxvEulHWLewt2tY7qFL6OSeOUKVMYznIbg9RxWzVWcSzajBbx3EkCNFI7GMKSSCgH3gf7xoAzLjQ1i1TSV0u0itbK2W4DCBVjWLevBCjHU56Vj+HPDr2B0601DSdQaWwPF4+qM9sSqkB0iMpIJz90oAMnnjnr/AOzpf+gldf8AfMX/AMRR/Z0v/QSuv++Yv/iKOtw6WOUsdL1XSI9FvBYSXbWsNxbz2sUkYdRI4YOpZgp+4ARuHDe2K1vDNre20epSajai1e6v5J0jDh8IVXGSO/HPvnr1rV/s6X/oJXX/AHzF/wDEUf2dL/0Err/vmL/4ihaf153B6k1FQ/2dL/0Err/vmL/4ij+zpf8AoJXX/fMX/wARQBNRUP8AZ0v/AEErr/vmL/4ij+zpf+gldf8AfMX/AMRQBNRUP9nS/wDQSuv++Yv/AIij+zpf+gldf98xf/EUATUVD/Z0v/QSuv8AvmL/AOIo/s6X/oJXX/fMX/xFAE1FQ/2dL/0Err/vmL/4ij+zpf8AoJXX/fMX/wARQBNRUP8AZ0v/AEErr/vmL/4ij+zpf+gldf8AfMX/AMRQBNRUP9nS/wDQSuv++Yv/AIij+zpf+gldf98xf/EUATUVD/Z0v/QSuv8AvmL/AOIo/s6X/oJXX/fMX/xFAE1FQ/2dL/0Err/vmL/4ij+zpf8AoJXX/fMX/wARQBNRUP8AZ0v/AEErr/vmL/4ij+zpf+gldf8AfMX/AMRQBNRUP9nS/wDQSuv++Yv/AIij+zpf+gldf98xf/EUATUVD/Z0v/QSuv8AvmL/AOIo/s6X/oJXX/fMX/xFAE1FQ/2dL/0Err/vmL/4ij+zpf8AoJXX/fMX/wARQBNRUP8AZ0v/AEErr/vmL/4ij+zpf+gldf8AfMX/AMRQBNRUP9nS/wDQSuv++Yv/AIij+zpf+gldf98xf/EUATUVD/Z0v/QSuv8AvmL/AOIo/s6X/oJXX/fMX/xFAE1FQ/2dL/0Err/vmL/4ij+zpf8AoJXX/fMX/wARQBNRUP8AZ0v/AEErr/vmL/4ij+zpf+gldf8AfMX/AMRQBNRUP9nS/wDQSuv++Yv/AIimWDyPanzZDIyyyJvYAEhXZR0AHQCgAm/4/Iv+ubfzWnimTf8AH5F/1zb+a08UAMH/AB+R/wC639Ks1WH/AB+R/wC639Ks0AFV/wDmOW//AF7y/wDoUdWKr/8AMct/+veX/wBCjoAy4PElx/wn91oVzFEtr5Km2mGdzSbdzIef7pyMD+E0+x8Rz33jm80iOKP7FbW5IlwdzyqyhgDnGBvA6dQeaqapomoy3msX1lCv2pJbe508s4xJJGhBU88BgSmTj71Qromq6Ptl063Fzcx6TLHvWRVD3TyByfmI4LFmz6flSX+f5O3+X3A/Ly/Nf195d03xHdah4hu7IxRRWsiyDT59pPmNE2yXcM8/MQRjGQDSaXe+IbnxJfWF1faY0NgYS5jsJFaUOCcAmYhSMdcH6VQfwlqWk6dpUum6ne6hPpcqMlpL5CK6n5ZQGCK3Ksx+Zjk9cmtzTbC5t/FWt3kse2C6W3EL7gd21WDcdRgkdarYW5X8PXmuatbxX9zd6etq8kim3jsnEmFdlH7wykZ4B+7Wbp3iTW5bTStQu30+W31C8Nt9lht3jlUbnXcHMjBsbdxG0cZ5GKXwvpCaXNELnwgYr4TSltUCWp4Z2IO4SeZ90gdM1X0rwtdaHpOn6jp+mRJrME0gu4ozGrXcLyHcrNnBIG1gSeCuOMmkug31Ny08RH+ztcvdQVFi0u6mjHlg5ZEUHueWOai0vX9Qn8OajNqdvDBqmnh/NhQHZnZvQjnOCpXPPUGsyfw/q11Ddafsktre+1p7ma4jeMlIAFZSAc5LMoGCD3yKmufD+rWmqXklvdXWqxalp0kE73DQoY5FB8o4RUBzuYZwT0ycVLvyedvxtf8A4BStzfP9f6Z0uk3b3+i2N5MFWS4t45XCjgFlBOPbmrdYnhme9TS7OwvtHvLJra1jjaWaSFkZlUAgbJGP5gVt1pK3M7Gcb8quFFFFSUFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABVe/voNM0+e9uzIILdC8hjiaRgo6kKoLH8BViigDlfCvxK8KeNryW28MalJfSQrukxZTxqg92dAB9M1saf/x7yf8AXxP/AOjWp+laHpehpcJo9hb2S3MzTzCCML5kjdWOO9M0/wD495P+vif/ANGtQAs3/H5F/wBc2/mtPFMm/wCPyL/rm381p4oAYP8Aj8j/AN1v6VZqsP8Aj8j/AN1v6VZoAKqzmWHUYLiO3knRYpEYRlQQSUI+8R/dNWqKAIf7Rl/6Bt1/31F/8XR/aMv/AEDbr/vqL/4upqKAIf7Rl/6Bt1/31F/8XR/aMv8A0Dbr/vqL/wCLqaigCH+0Zf8AoG3X/fUX/wAXR/aMv/QNuv8AvqL/AOLqaigCH+0Zf+gbdf8AfUX/AMXR/aMv/QNuv++ov/i6mooAh/tGX/oG3X/fUX/xdH9oy/8AQNuv++ov/i6mooAh/tGX/oG3X/fUX/xdH9oy/wDQNuv++ov/AIupqKAIf7Rl/wCgbdf99Rf/ABdH9oy/9A26/wC+ov8A4upqKAIf7Rl/6Bt1/wB9Rf8AxdH9oy/9A26/76i/+LqaigCH+0Zf+gbdf99Rf/F0f2jL/wBA26/76i/+LqaigCH+0Zf+gbdf99Rf/F0f2jL/ANA26/76i/8Ai6mooAh/tGX/AKBt1/31F/8AF0f2jL/0Dbr/AL6i/wDi6mooAh/tGX/oG3X/AH1F/wDF0f2jL/0Dbr/vqL/4upqKAIf7Rl/6Bt1/31F/8XR/aMv/AEDbr/vqL/4upqKAIf7Rl/6Bt1/31F/8XR/aMv8A0Dbr/vqL/wCLqaigCH+0Zf8AoG3X/fUX/wAXR/aMv/QNuv8AvqL/AOLqaigCH+0Zf+gbdf8AfUX/AMXR/aMv/QNuv++ov/i6mooAh/tGX/oG3X/fUX/xdH9oy/8AQNuv++ov/i6mooAh/tGX/oG3X/fUX/xdH9oy/wDQNuv++ov/AIupqKAIf7Rl/wCgbdf99Rf/ABdH9oy/9A26/wC+ov8A4upqKAIf7Rl/6Bt1/wB9Rf8AxdH9oy/9A26/76i/+LqaigCH+0Zf+gbdf99Rf/F0ywSRLU+bGY2aWR9jEEgM7MOhI6EVZooArTf8fkX/AFzb+a08Uyb/AI/Iv+ubfzWnigBg/wCPyP8A3W/pVmqw/wCPyP8A3W/pVmgArn/FTPPJpOl+ZJFb6jeeVcNG5UtGsbuUyORuKgHB6ZHeugrO1q30+8shbanOsAZg8UnmiN0dTkOjdiDj+vBoAxr7TrLw3rWjz6FaQ2P2y5+y3ENugSOVDG7AlRwWUqMN1wSOhqW18QXt1pPh2cLbpNqx2ynYxVD5LvkDd6qOp6Z+tS2lvpkN+t7e68dSuY1KQvdTwgRA/e2rGqrk+pBOOM4qraaNolpdWMq67JJFp8jPaW8l1H5cIZWUqMAFhhuNxJGBg4zk8mHoUtM1bXrPw5bSPcWt/cXWqPap5sbptUyyAknexOMcDsBjnrVy68Q6rpcl3Z3wtJ7mFrV45oYmjR45phGQULsQww38RB4+lVdS0qy+x29rYawXhOprdFftUSm2BZmYocAn5mzhi3p04q9/ZWiSWl9Hea013PfbPMu5LmNZV2cx7dgCrtPIwvUknOaF3ff/AC/4IPf+u7/Qg8WatqS2mvWlhPHamz0+K4SYIxf5jIGAIYYPyDB7c9a3Lu5vNO8M3N1PJDPd29s8u5YiiMyqSPlLEgcD+KsgaRojpqX2zXHu5NTt1t7iWW5jDbV3YKhQAp+fsMcA4zknReTTptFk0661lLhZYWhed5ohIwYEZ+UBc4PpSlflaQ1bmTe3/DFC41nU7XS7OS6vtPt7u8O+OJLGa4fZtB2LEj7nIzkuMADt3qkfF1/No+mXRNppqXHmrcXt1byvBHIj7ApGVMe45ILkYxjk1p3drpdxJZy2+umyntIjCk0E8RZkO3KkOrDnapyADx1qsuj6RFpSaba+Ip4LQLKkka3MTecsjFmDF1J7kZGDg9e9U99P6/r+r9ZWyuQyarqWla/rt7f3kM1hY2EVwbaOF89JCApLkA5Xk7eeOmKZB4q1cQ3Mk9t5qrYy3Ib+y7m2SCRFyEZpOJAcnkbT8vTnjRew0J7yWX+0oxBParaT2nnxmKWNQwXOQWBAY9CPfNMhsdOSxms7jxNcXdvJbNbLHPcw/u1YYyCFBZsd2LH8zUy2dv63/wCANbq/9bf8E19Hlv59Njn1NrcyzASKkEZURqQCFJLHcR68fSr1UYNQ023t44U1C2KxoEBMy5wBj1p/9q6d/wA/9r/3+X/Gqla+gle2pboqp/aunf8AP/a/9/l/xo/tXTv+f+1/7/L/AI0hluiqn9q6d/z/ANr/AN/l/wAaP7V07/n/ALX/AL/L/jQBboqp/aunf8/9r/3+X/Gj+1dO/wCf+1/7/L/jQBboqp/aunf8/wDa/wDf5f8AGj+1dO/5/wC1/wC/y/40AW6Kqf2rp3/P/a/9/l/xo/tXTv8An/tf+/y/40AW6Kqf2rp3/P8A2v8A3+X/ABo/tXTv+f8Atf8Av8v+NAFuiqn9q6d/z/2v/f5f8aP7V07/AJ/7X/v8v+NAFuiqn9q6d/z/ANr/AN/l/wAaP7V07/n/ALX/AL/L/jQBboqp/aunf8/9r/3+X/Gj+1dO/wCf+1/7/L/jQBboqp/aunf8/wDa/wDf5f8AGj+1dO/5/wC1/wC/y/40AW6Kqf2rp3/P/a/9/l/xo/tXTv8An/tf+/y/40AW6Kqf2rp3/P8A2v8A3+X/ABo/tXTv+f8Atf8Av8v+NAFuiqn9q6d/z/2v/f5f8asRSxzxiSGRZEboyNkH8aAH0UUUAFFFFAFab/j8i/65t/NaeKZN/wAfkX/XNv5rTxQAwf8AH5H/ALrf0qzVYf8AH5H/ALrf0qzQAVTlUNrtmGAI8mbqPdKuVUf/AJD1n/1xm/mlAF1DayTSRRmFpIseYi4JTIyMjtmn+TH/AM80/wC+RXJfZb+68WeIvsWrtpojS3YGKKNyW8s4LbwRt9gAfcVRj8Ta1rrWcVjBfwk6bDeTNpotixeTdgf6Q2Ng2noCeeoxyv6/P/IDu/Jj/wCeaf8AfIqOE2tzEJbcwyxkkB48MDg4PI9wRXM2d3rmr6hHp13ePo9xa6fFPcrbxxOzyuzDGWDrtGzoOct97is3QZtTk03w9p9rqJtFuvtrXEsESMWKS5BTeGA5J654P0NUB3nkx/8APNP++RR5Mf8AzzT/AL5FcdNqerXGgap4ht9Ve3Wxkn8qx8mMxMsLFSJCVL7m2HlWXG4ccc3rW41HXtY1H7PqU2m2+nyxwpDFFGxlYxrIxk3qTj5wAFK9DzzwlqD0N+I2s4YwGGUI5RimDtYcEHHcelANqbg24MPnBA5j43BScZx1xkHmuK8O6ldXXiW+0e3nNhHBf3F1K7Ipe7HmkbI9wI2jjc3UZAGM5rR0vTrTTfiVqK2UIj87ToppWyWZ3aaUliTyT29gABwBQteXzX6XB6X8v87HUeTH/wA80/75FHkx/wDPNP8AvkU+igBnkx/880/75FHkx/8APNP++RT6KAGeTH/zzT/vkUeTH/zzT/vkU+igBnkx/wDPNP8AvkUeTH/zzT/vkU+igBnkx/8APNP++RR5Mf8AzzT/AL5FPooAZ5Mf/PNP++RR5Mf/ADzT/vkU+igBnkx/880/75FHkx/880/75FPooAZ5Mf8AzzT/AL5FHkx/880/75FPooAZ5Mf/ADzT/vkUeTH/AM80/wC+RT6KAGeTH/zzT/vkUeTH/wA80/75FPooAZ5Mf/PNP++RR5Mf/PNP++RT6KAGeTH/AM80/wC+RR5Mf/PNP++RT6KAGeTH/wA80/75FHkx/wDPNP8AvkU+igBnkx/880/75FHkx/8APNP++RT6KAGeTH/zzT/vkVm6QMafgf8APab/ANGNWrWVpP8Ax4H/AK7Tf+jGoAe95Ibh4ba3aV4yAzM21RwD159fSkF5KuRNZzBh/wA88Mp/HisnU9TksLm5W3YCR5QSSM4ARay5tav5wA1wy4/55/L/ACrwq2ZwpTlFt3TeyVt/vOmNFyVzr7e6W4Z1CSRtGQGVxg881NXMeHXuLjUneSeRlVMtucncegzXT16OCxDxFH2jXcyqR5JWK03/AB+Rf9c2/mtPFMm/4/Iv+ubfzWniuwzGD/j8j/3W/pVmqw/4/I/91v6VZoAKqP8A8h6z/wCuM380q3Va5svtE8Uy3E0EkQZQ0RXkNjOcg+goAgvvCmj6leT3V1by+dcqEnaK5li81QMBWCsAy47Hipb3w9pt/JDLLDJFLBGYo5LWeS3dU4+TdGynbwOOnFJ9in/6Cl5/5D/+Io+xT/8AQUvP/If/AMRQAXPhvS7r7MZIZY2tovJjeC4kiby+PkJRgWXgcHIqSz0HTNPW0FnarCtksi26qzYjDnLADPc/l2qP7FP/ANBS8/8AIf8A8RR9in/6Cl5/5D/+IoAbN4Y0me9e6ktn3SyCWWNZ5FilcY+Z4g2xjwOSD0HpT7vw7pt5qP26aKVbhgodobiSIShTlQ4RgHAyfvA+lJ9in/6Cl5/5D/8AiKPsU/8A0FLz/wAh/wDxFADpPD2mSBM25Vo7lrtHSV1ZZWzuYMDkZyQRnBBxjFWlsLZdTfUBH/pTwrA0m48oCSBjp1Y8+9U/sU//AEFLz/yH/wDEUfYp/wDoKXn/AJD/APiKANSisv7FP/0FLz/yH/8AEUfYp/8AoKXn/kP/AOIoA1KKy/sU/wD0FLz/AMh//EUfYp/+gpef+Q//AIigDUorL+xT/wDQUvP/ACH/APEUfYp/+gpef+Q//iKANSisv7FP/wBBS8/8h/8AxFH2Kf8A6Cl5/wCQ/wD4igDUorL+xT/9BS8/8h//ABFH2Kf/AKCl5/5D/wDiKANSisv7FP8A9BS8/wDIf/xFH2Kf/oKXn/kP/wCIoA1KKy/sU/8A0FLz/wAh/wDxFH2Kf/oKXn/kP/4igDUorL+xT/8AQUvP/If/AMRR9in/AOgpef8AkP8A+IoA1KKy/sU//QUvP/If/wARR9in/wCgpef+Q/8A4igDUorL+xT/APQUvP8AyH/8RR9in/6Cl5/5D/8AiKANSisv7FP/ANBS8/8AIf8A8RR9in/6Cl5/5D/+IoA1KKy/sU//AEFLz/yH/wDEUfYp/wDoKXn/AJD/APiKANSisv7FP/0FLz/yH/8AEUfYp/8AoKXn/kP/AOIoA1KKy/sU/wD0FLz/AMh//EUfYp/+gpef+Q//AIigDUrK0n/jwP8A12m/9GNS/Yp/+gpef+Q//iKmtLZbO2EKO7gFm3PjJJJJ6Y7mgCld6FbXt088skwZ8ZCsMcDHp7VD/wAIxZf89Z/++l/wrZorjlgcNKTlKCuzRVJpWuU9P0uDTfM8hnbzMZLkHp9B71coorpp04U48kFZENtu7K03/H5F/wBc2/mtPFMm/wCPyL/rm381p4qxDB/x+R/7rf0qzVYf8fkf+639Ks0AFU9U1S20ixN1eFtu4IiRoWeRycKqqOSSe1XK5/xSrQy6TqToz2un3nnXIRSxVDG6b8DqFLAn0GT2oAt2evLPqCWN7p95ptxKheFboRkTAfe2tG7DI64JBxzjGa1a5W+1Cz8R6zo8Oh3UN8LO6N1cT2ziSOJBG6hS443MWGFznAJ6CsXSr6xubTwfpJdJrm3leK7tiMmErbyqySD+Ek5GD1wcZANG4He2d7b39v59pJ5ke9k3bSOVYqw59wRU9eYJFolp4YghWOC38rXdt8lsoSRFE0u3eFwwG31/h9qsXQ08QazN4cWL+xIXspXNmoMAlSYNKybeOIwhYr6c8g0LX+vT/MHp/XnY9AvbyDT7Ka7vH8uCFC8j4J2gd8DmpwcjIrzrXp9O14eK5LYQ6hBHpUDJIqiRCymY7kPIOPUdCCOoNdRdso8DXJ8IiA/6JJ9jFmF2bsHGzbxnPp3oeiuP7Vv66f5m7VXU9Qi0rTpLy4V2jjxkIATyQO5HrXD3Z0MeErhvBr2wuvLhF7LboXnWHevmGUKQ5bG7IJDfe6GoDa2UWgazNpWqaTdQMluHt9ItfKhRvN+8cSON5HBxg4Az2pk30ud/b6hFc6jeWaK4ktNnmEgYO4ZGOatVh6V/yNmv/W3/APRdYsh0+H4hBh9g1O6nuFUoTi80/EfVepMRxk/dALn72aS1dh9LnY20zzwB5beS2Ykjy5SpYYOM/KSOevXv2qWvMrq50NvCOjadqi6Yt7eCVYri/WMi1j3nfIC/Q9gO7Y7A0/UbfSl1K1tftuhweH49PVdPbUIPtFs7BmEhVvMRfM+7zkk5OP4qXS4HpVFUNCha38P2MTXbXu2BQLhlKmQY4OCSenqSav1T0YlsFFFFIYUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAVpv8Aj8i/65t/NaeKZN/x+Rf9c2/mtPFADB/x+R/7rf0qzVYf8fkf+639Ks0AFVLq6njuobe1gSZ5Vdvnk2ABcex/vVbqo/8AyHrP/rjN/NKADfqn/Pjb/wDgUf8A4ijfqn/Pjb/+BR/+Iqnrus6zpEctxDpdhc24dUi3ag6SysxAChPJIBLHH3vyp+ra1qGkKbqbTIX0+IxiaVbo+aNxAJSPZhgCe7KTg8dMm4CX1jf6h9m86ziX7NOs6bLvGWXOAfk6c1a36p/z42//AIFH/wCIqCbV9Sk1650/S9PtJ0tUieWW4vGiPz7uAoibOAvqOtaF/JqEcKnS7W2uZN3zLc3LQgD1BVHyfbAo6B1K2/VP+fG3/wDAo/8AxFG/VP8Anxt//Ao//EVnWvii5fTJ7i706JZvths7WK2uTItzIDjhmRcAMGBOOiseeM2b3V9T07S45brT7P7ZNdR28UEd65jO9gAS5iBHU8bT0oAsb9U/58bf/wACj/8AEUb9U/58bf8A8Cj/APEVHcateafpay6jZQi9lmENvbWtyZBK7fdG9kXHcnjgAnnpUn2nWxp+46bZG8Mm0RLfMYguPvM5iBHpgIe3uQAG/VP+fG3/APAo/wDxFG/VP+fG3/8AAo//ABFZx8U3H9lu406NdQj1BdPe2e5Ij8xiMESBCSu1g2due2K27F72S3zqVvb2824/JbztMuPXcUQ59sUeYFXfqn/Pjb/+BR/+Io36p/z42/8A4FH/AOIrTooAzN+qf8+Nv/4FH/4ijfqn/Pjb/wDgUf8A4itOigDM36p/z42//gUf/iKN+qf8+Nv/AOBR/wDiK06KAMzfqn/Pjb/+BR/+Io36p/z42/8A4FH/AOIrTooAzN+qf8+Nv/4FH/4ijfqn/Pjb/wDgUf8A4itOigDM36p/z42//gUf/iKN+qf8+Nv/AOBR/wDiK06KAMzfqn/Pjb/+BR/+Io36p/z42/8A4FH/AOIrTooAzN+qf8+Nv/4FH/4ijfqn/Pjb/wDgUf8A4itOigDM36p/z42//gUf/iKN+qf8+Nv/AOBR/wDiK06KAMzfqn/Pjb/+BR/+Io36p/z42/8A4FH/AOIrTooAzN+qf8+Nv/4FH/4ijfqn/Pjb/wDgUf8A4itOigDM36p/z42//gUf/iKN+qf8+Nv/AOBR/wDiK06KAMzfqn/Pjb/+BR/+Io36p/z42/8A4FH/AOIrTooAzN+qf8+Nv/4FH/4in2Ny13aCV4xG25lKht2CrFeuB6VoVlaT/wAeB/67Tf8AoxqALtFZz5murgXF00UMThVVW2ZyoP3uveoprmC0HGrFUJ4BAlI/Hk1yyxKjdtaLzX6svkua1FZenapHcXUkBuvPJIMZ8srkY57VqVrRrQrR5oP+vkKUXF2ZWm/4/Iv+ubfzWnimTf8AH5F/1zb+a08VqSMH/H5H/ut/SrNVh/x+R/7rf0qzQAVUf/kPWf8A1xm/mlW6z7u6gtNaspLqVIk8qUbnOBnKUAN1CCa+8VaZC0Mn2O0SS7eTb8jS8Ii56ZAZ2x7A1leLCt1I8Vhbao+sQlPsgEEzWpfIZWbIMGATyx+YY4wQtdB/bml/8/8Ab/8AfwUf25pf/P8A2/8A38FC6Ac34ttrLUBdQWuiXEniDaq2l9HYsux8Aq4uduFVT1ywPBGDnB2tS1S7TR9V+w2N015ar5cOYuJnKghkx1UFuT7H0q1/bml/8/8Ab/8AfwUf25pf/P8A2/8A38FHSwbNMwNd8PRQ6HocH2WS9tNLuEa5hjQu0sflsjMVHL8tkryWGeDnBgsLbTrax1D7Xok76Dc3i/ZLBtMeTysJ8z+RtLIpcHA2jk5wM5rpv7c0v/n/ALf/AL+Cj+3NL/5/7f8A7+Cjv5/8D/IO39d/8zim0Jn0yKdtLuf7Hg1k3MWnGIl1tmi2NiLqF3szeXjO0kbf4asQXF1oljevomnXVpp99fKlog0+VvsibP3kvkBdwBYHC4Ayc4weet/tzS/+f+3/AO/go/tzS/8An/t/+/go/r8v8g/r8/8AMxIf7Bi8PeRPpmoahavcZn+2aTNJJJKQWMro0eW5HULgcAYA4s+D7R7SyvtltLZ2Et40ljbSqVMURVeAh5QFt7BeMA9B0rS/tzS/+f8At/8Av4KP7c0v/n/t/wDv4KAL9FUP7c0v/n/t/wDv4KP7c0v/AJ/7f/v4KAL9FUP7c0v/AJ/7f/v4KP7c0v8A5/7f/v4KAL9FUP7c0v8A5/7f/v4KP7c0v/n/ALf/AL+CgC/RVD+3NL/5/wC3/wC/go/tzS/+f+3/AO/goAv0VQ/tzS/+f+3/AO/go/tzS/8An/t/+/goAv0VQ/tzS/8An/t/+/go/tzS/wDn/t/+/goAv0VQ/tzS/wDn/t/+/go/tzS/+f8At/8Av4KAL9FUP7c0v/n/ALf/AL+Cj+3NL/5/7f8A7+CgC/RVD+3NL/5/7f8A7+Cj+3NL/wCf+3/7+CgC/RVD+3NL/wCf+3/7+Cj+3NL/AOf+3/7+CgC/RVD+3NL/AOf+3/7+Cj+3NL/5/wC3/wC/goAv0VQ/tzS/+f8At/8Av4KP7c0v/n/t/wDv4KAL9FUP7c0v/n/t/wDv4KP7c0v/AJ/7f/v4KAL9ZWk/8eB/67Tf+jGqb+3NL/5/7f8A7+CoNGdZNNDoQytLKQR3HmNQBz+vzH+0JoB93eHP/fCisqvQ6K8Cvk7rVJVHU3fb/gnVHEcqtY5nwvDuuppiPuKFH4//AKq6aiivVwmGWGpKmncwqT55XK03/H5F/wBc2/mtPFMm/wCPyL/rm381p4rqIGD/AI/I/wDdb+lWarD/AI/I/wDdb+lWaACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigCtN/x+Rf9c2/mtPFMm/4/Iv8Arm381p4oA//Z)

1. It might be tough to remember specific cell sizes or transcribe them accurately when we have a long decimal. So, we can standardize the cell size computationally.[[16]](#footnote-16) Click the Environments tab in the Feature to Raster pane.[[17]](#footnote-17)
2. For Extent choose “Same as layer: dem250k.” For cell size choose “same as layer dem250k.” Leave the cell size projection method as ‘convert units’. For Snap Raster choose “dem250k.”[[18]](#footnote-18) These files are already in the same projection, so we’re good there.

Graphical user interface, text, application, email

Description automatically generated[[19]](#footnote-19)

1. Now, the output will be exactly the same pixel size and extent as dem250k. Click Run.
2. ‘bedrock1’[[20]](#footnote-20) will appear on your map and in Contents, and the default symbology will be a set of numbers. Open the attribute table to figure out what these numbers are – they correspond to Material, but grouping them 1-7, 8-14 etc. doesn’t make much sense here. Instead, what we want to display is each geological unit uniquely based on parent material. Do this in the Symbology pane by choosing ‘unique values’ and changing the value field to ‘Material.’[[21]](#footnote-21)

![Graphical user interface, application

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAeAB4AAD/4REERXhpZgAATU0AKgAAAAgABAE7AAIAAAATAAAISodpAAQAAAABAAAIXpydAAEAAAAmAAAQ1uocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFNvcGhpZSBBcmdldHNpbmdlcgAAAAWQAwACAAAAFAAAEKyQBAACAAAAFAAAEMCSkQACAAAAAzgyAACSkgACAAAAAzgyAADqHAAHAAAIDAAACKAAAAAAHOoAAAAIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAyMDIwOjAzOjMxIDA5OjM4OjQ0ADIwMjA6MDM6MzEgMDk6Mzg6NDQAAABTAG8AcABoAGkAZQAgAEEAcgBnAGUAdABzAGkAbgBnAGUAcgAAAP/hCyVodHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLjAvADw/eHBhY2tldCBiZWdpbj0n77u/JyBpZD0nVzVNME1wQ2VoaUh6cmVTek5UY3prYzlkJz8+DQo8eDp4bXBtZXRhIHhtbG5zOng9ImFkb2JlOm5zOm1ldGEvIj48cmRmOlJERiB4bWxuczpyZGY9Imh0dHA6Ly93d3cudzMub3JnLzE5OTkvMDIvMjItcmRmLXN5bnRheC1ucyMiPjxyZGY6RGVzY3JpcHRpb24gcmRmOmFib3V0PSJ1dWlkOmZhZjViZGQ1LWJhM2QtMTFkYS1hZDMxLWQzM2Q3NTE4MmYxYiIgeG1sbnM6ZGM9Imh0dHA6Ly9wdXJsLm9yZy9kYy9lbGVtZW50cy8xLjEvIi8+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczp4bXA9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8iPjx4bXA6Q3JlYXRlRGF0ZT4yMDIwLTAzLTMxVDA5OjM4OjQ0LjgyMjwveG1wOkNyZWF0ZURhdGU+PC9yZGY6RGVzY3JpcHRpb24+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iPjxkYzpjcmVhdG9yPjxyZGY6U2VxIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpsaT5Tb3BoaWUgQXJnZXRzaW5nZXI8L3JkZjpsaT48L3JkZjpTZXE+DQoJCQk8L2RjOmNyZWF0b3I+PC9yZGY6RGVzY3JpcHRpb24+PC9yZGY6UkRGPjwveDp4bXBtZXRhPg0KICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICA8P3hwYWNrZXQgZW5kPSd3Jz8+/9sAQwAHBQUGBQQHBgUGCAcHCAoRCwoJCQoVDxAMERgVGhkYFRgXGx4nIRsdJR0XGCIuIiUoKSssKxogLzMvKjInKisq/9sAQwEHCAgKCQoUCwsUKhwYHCoqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioq/8AAEQgCOgGUAwEiAAIRAQMRAf/EAB8AAAEFAQEBAQEBAAAAAAAAAAABAgMEBQYHCAkKC//EALUQAAIBAwMCBAMFBQQEAAABfQECAwAEEQUSITFBBhNRYQcicRQygZGhCCNCscEVUtHwJDNicoIJChYXGBkaJSYnKCkqNDU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6g4SFhoeIiYqSk5SVlpeYmZqio6Slpqeoqaqys7S1tre4ubrCw8TFxsfIycrS09TV1tfY2drh4uPk5ebn6Onq8fLz9PX29/j5+v/EAB8BAAMBAQEBAQEBAQEAAAAAAAABAgMEBQYHCAkKC//EALURAAIBAgQEAwQHBQQEAAECdwABAgMRBAUhMQYSQVEHYXETIjKBCBRCkaGxwQkjM1LwFWJy0QoWJDThJfEXGBkaJicoKSo1Njc4OTpDREVGR0hJSlNUVVZXWFlaY2RlZmdoaWpzdHV2d3h5eoKDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uLj5OXm5+jp6vLz9PX29/j5+v/aAAwDAQACEQMRAD8A97vpXhspJIzhlxg496xv7Vu/+eo/75Fbk/8Aq1/66J/6EKt0Acx/at3/AM9R/wB8ij+1bv8A56j/AL5FdPRQBzH9q3f/AD1H/fIo/tW7/wCeo/75FdPRQBzH9q3f/PUf98ij+1bv/nqP++RXRtcQrcJA00YmdSyRlhuYDqQOpAyKkoA5j+1bv/nqP++RR/at3/z1H/fIrp6ja4hW4SBpoxM6lkjLDcwHUgdSBkUAc5/at3/z1H/fIo/tW7/56j/vkV09FAHMf2rd/wDPUf8AfIo/tW7/AOeo/wC+RXT0UAcx/at3/wA9R/3yKP7Vu/8AnqP++RXT0UAcx/at3/z1H/fIo/tW7/56j/vkV0ctxDC8aTTRxtK22NXYAu2M4HqcCpKAOY/tW7/56j/vkUf2rd/89R/3yK6eigDmP7Vu/wDnqP8AvkUf2rd/89R/3yK6OO4hmkkjimjkeJtsiqwJQ4zgjscVJQBzH9q3f/PUf98ij+1bv/nqP++RXT0UAcx/at3/AM9R/wB8ij+1bv8A56j/AL5FdGJ4WuGgWVDMihmjDDcoPQkdcHB/KpKAOY/tW7/56j/vkUf2rd/89R/3yK6eigDmP7Vu/wDnqP8AvkUf2rd/89R/3yK6eigDmP7Vu/8AnqP++RR/at3/AM9R/wB8iunooA5j+1bv/nqP++RR/at3/wA9R/3yK6eigDmP7Vu/+eo/75FH9q3f/PUf98iunooA5j+1bv8A56j/AL5FH9q3f/PUf98iunooA5j+1bv/AJ6j/vkUf2rd/wDPUf8AfIrp6KAOY/tW7/56j/vkUf2rd/8APUf98iunooA5j+1bv/nqP++RR/at3/z1H/fIrp6KAOY/tW7/AOeo/wC+RR/at3/z1H/fIrorq4W0s5riQEpDG0jBepAGeKxLHxfbXms22mPYX1rPdQ+fEZ1TaUwTn5XPoaAIP7Vu/wDnqP8AvkUf2rd/89R/3yK6eqsOp2c+pXFhFOpurYKZYiCCoIyDz1HPUUAYX9q3f/PUf98irmmXs9zcMsz7gEyBgDuK0bbU7O8vLq1tZ1lmtConVQcITnAz0zweB070s3/H5H/1zb+a0AOooooAjn/1a/8AXRP/AEIVDr8V/P4fvI9IcpeNGREVbac+x7HGcHsamn/1a/8AXRP/AEIVJevdR2cj2EKT3CjKRO+wPzyM9iRnB9aT2Gtzm9FHhq7ZVsNOhh1a0USGC4i8q5V8fxMRubOeW5HPNX4/E0TeEW1x7dlKod1uGywkDbdmcdd3HSq1/aXuvahpkh0uTTjZXCzvc3Dxlto6xpsZid3fOBgd6onTZX8dSaYm06d5i6rKAc4kxtCn6sN/4VW+n9f1/kTtr/X9f5mv/bl/Jq7aZb6WjXCW0c7tJc7Y03EgqSEJzxxgc89KqReLLyfSLjUYdGIisiy3aS3IV1ZPvhAFIcAdyVzWjbWVxH4uvr148W8trDGj7hyys5Ix17iqMGk3qeE9ZsmhxcXL3ZiTevzBy23nOBnI60ntf+tyktben5FfUr128ZaHcWEBuWnspjEu7auDsILHnA98E+xrUttdcX11ZavbLZT28P2gMkpkjki7sG2qcg8EEenWsxtP1W01LQbuCx+0JZ2DQ3KCVFYEhBhcnBOR64461P8A2Rda1ql7e6jA1jDJZNYwxMytJhuWdtpIHYAAnpTeisvP83Yla6vy/QkPiG/OlHVo9IDacE80ZucXBj67hHt29Ocb+nvxUU88dz440SeBt0UthO6MO4Owg0ijWl8Of2P/AGWTciD7MLsTR+RjG3f97f05xt68e9SQ6HPZ65ophUvaWNhJbvKSBz8gHGc87TRpfT+tH/wA1t/XdE0WuX1/BLdaPpkdzaRsyo81z5TzFSQdihGGMjALEZ9hzSv4nhl06wn06B7mfUW228DMEOR97eedoXBz19s1W0qPVPD+mHS49LkvVhZ/s08U0aoykkrv3MGUjODgN7Z6VXi8O32k2ui3FqFvLnTmlM8KsF8wS8vsJwMg9M4BHpQMvrr1+mux6Vd6XHHNLBJMkkdzvjbbjCglAc5PPHHHXNLH4mibwi2uPbspVDutw2WEgbbszjru46VQ8+7uviFpz3Fk1pGtlNsSR1aTquS20lQOgHJ71XOmyv46k0xNp07zF1WUA5xJjaFP1Yb/AMKW9vP/AD/y/INm/L/L/M7CBpHt42mjEcjKC6Bt2045GeM0+kZVdSrgMrDBBGQRVSz0fTdPlMlhp1payMNpeGBUJHpkCgOhi+LZWg1DQJEheZhf/LGmMsfLYd6vw6xdR6xFp2rWUds9wha3lgnMqOV5ZSSqkEDnpg+tQeJbO/uLnSJ9MtluGtLvzZFaQJ8uxgeT35xTWtL3WPEFld3dlJY2lgrlVmdGkld129EZgFAz3zk9KFt/XZA/0/VjW8USnT5dVg08SaTExBnM+JGQHDOse3BXr1YEgdKtza1NLqbWGj2sd3LFGsk0ks/lRxhvujIViScZxjGO9Yel+HY9NtfsF54Vtb+SJysd7sgKyoTkM5Y7wRnBwrdOM1praXuj+Ir28tLF720v0jysDorwui7QMOygqR6HII6U9AMzStVlsE8V6ncWhSW3nEj25fusS8BsdDjg46dq2X1+S20xb69sTGs7Rpawxy7pZWfopBACn8T3rIGj6vPpHigXNmkdxqLE28aSqQw8sADOeDxg5xz7Vsa1pdze6XZfZNn2qxmiuI0kbCuydVJ5xkE80dF8v+CHX7/+AB1m8sry0i1iwit4ruTyo5be5MoWQjIVgUXGeQCM80v9s3d3eXMGjWMdyto/lSy3FwYlL4BKrhWJxnnOB9arXsN/r1xYRS6dLYW9tcpczPPJGxYpyqqEZu/UnHA70llFqWg3V/FHp0uoWtxcPcwyQSxqyl+Sjh2XoehGeKXr/W3/AAQ9P6/rQrNqkWmeKdSvNQUxn7BbDyk+dmcs+EXH3jnitcx6nqujxeY7aNcSMGkWFllZU7ruK4De+Dj3rG1Hw1d6p4jm1MD7JcxW8LWk+8MqSqWLKR3GCAcjvxXQ6XcXlzYo+pWRs7kcPHvVwT6qQTx9cGn0Dr/XYyPA6GPQp0aSSUpfXC75G3M2JDyT3PvXR1jeGLC507TbiK8j8t3vJ5VG4HKs5IPHtWzR0XovyDq/mFFFFIAooooAKKKKACiiigAooooAKKKKACiiigDlPGWs+I9BhW90i2s7qz4EgeJzJGemeGGQfpxWv4fl1i40tJ9fjtobiT5hDAjDyx6Nljz/ACrUooApaxFPPot3BZxrJNLE0aqz7R8wxnOD0zmuP06y1a68aWd8bKFE0mBdPuF+0ZJJTduHy88OOK72mJDFE8jRxojStukKqAXOAMn1OAB+FAD64rxTDNrfiCKx8PKYdVs1zNqAYoLdGGQhI+8Wz07Zz612tFAHOeC5baPS5NNSzayvbJsXcDcku2cPu/iDYyD7VtTf8fkf/XNv5rVmq03/AB+R/wDXNv5rQA6iiigCOf8A1a/9dE/9CFW6qT/6tf8Aron/AKEKt0AIwypAJUkdR2qrZabFYyTyh5Jp7hgZZpSCz4GAOAAAB2AH61booAKKKKACiiigAooooAKr3dq1yI9l1PbNG24NCRzwRghgQRz3FWKKAKFrpENrdzXZlmnu5kCNcSkFgo6KoACqM84A5PXNSWWmxWMk8oeSae4YGWaUgs+BgDgAAAdgB+tW6KACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKrTf8AH5H/ANc2/mtWarTf8fkX/XNv5rQA6iiigCK4+7H/ANdU/wDQhVyqdx92P/rqn/oQq5QAUUVi67O8ckSxsVOCTg1zYrELDUnVavYuEeeVja6daZ50WceYmf8AeFck13O4w0rEfWo9zep/OvElnqv7sPxOhYbuztAc9KKo6RIZNOTJyQSKvV79GoqtONRdVc5ZLldgoorjvEvjb7JP/ZmgxfbNRkO0bRkIf8a1EdaZ4ROITKglYZEZYbiPXFSVzXhfw5PZM2p61M1zqkw+ZmPEY/ugV0tABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABVeb/j8i/wCub/zWrFV5v+PyL/rm/wDNaAFooooAiuPux/8AXVP/AEIVcqncfdj/AOuqf+hCrlABXN62+7UCOyqK6SuS1aZIbie4unEUQfG5q8XOOaVGMIrdnRh/iuVwM+gA6knAFZTa59rvxZaGi3Ein97cOP3cY/rVKb+1PFV09nYRy2mmxnEs2Pmk+nr9BXTaf4cbT7JbextvLjH3iT8zn1NeZDBxw0OaUeefRLVL1NnUc3ZOyNzQ5A0cyrwA2QK1axtHtp7W5dZoyoZeD2zWzXu5c5PDRU1Zq5zVbc+hw/iLXr6/1s6DpDFFkXa86DlTS29rfeG9QtLS1/02K0s/NnUj5mLSNll9x+uK7JLW3ikMkcESOerKgBP41g6oYxr1+Z5XhiGkHfJH95BvbJHvXbCMk3zPcmTTtZFseKtIwN08inuDbycf+O1LbeItLu7yK1guSZpSQitE67sAk8kDsCa59LsR2NmLDV9aaAwKUeKx87eMnksUPPtVsSNLfeHGkmuZ2N3P891D5Tn9xJ1XA/lWjVnYg6iiiikAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVleJ4rmbw1eJY38enTlBtupJNix/MCct2yMjPvWrWJ4y/s7/AIRG+/toziy2r5n2fG/7424zxndjrQB5r/Z+v/8ARQ9N/wDB3J/hT4dO8QG4jC/ELTmO4YA1h2z+BHP0rH/4oH/qZP8AyBT4/wDhADKu4+IgMjJbycfjjn8qAPd6rzf8fkX/AFzf+a1YqvN/x+Rf9c3/AJrQAtFFFAEVx92P/rqn/oQq5VO4+7H/ANdU/wDQhVygArC8ReGz4hEUcl4YIEbc0ax53H65rF8afEb/AIRDWYrD+y/tnmW4m8z7R5eMsy4xtP8Ad/Wue/4Xh/1L3/k7/wDa661l1evBNRun5r/M4ZZnhqFRxlOzXk/8j1CysobCzjtrdcJGoA9TVivJ/wDheH/Uvf8Ak7/9ro/4Xh/1L3/k7/8Aa61WWYpbQ/Ff5mX9rYN/b/B/5HrFFeT/APC8P+pe/wDJ3/7XXX+E/HFt4l0mW8nt/sLJOYhHvMmQFU5yFH97p7VlVwVejHnqRsvVG1HH4avPkpyu/R/5HU1mX+hxX96Lr7VdW8vleUfIkChlznByD3NTf2vY/wDPf/xxv8KP7Xsf+e//AI43+Fch2lRfDxRQq6xqigdAJl4/8dp0Ph+OPULa7mv765e2ZmjWeUMoJUqTjA7Mas/2vY/89/8Axxv8KP7Xsf8Anv8A+ON/hQBdoqK3uYrqMvA25QcE4I5/GpaACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACo57eG6geC5ijmicYaORQysPcHrUlFAGX/wjGgf9APTf/ASP/ClXwzoKsGXRNOBByCLSPj9K06KACq83/H5F/wBc3/mtWKrzf8fkX/XN/wCa0ALRRRQBFcfdj/66p/6EKuVTuPux/wDXVP8A0IVcoAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAqvN/wAfkX/XN/5rViq83/H5F/1zf+a0ALRRRQBFcfdj/wCuqf8AoQq5VO4+7H/11T/0IVcoA8ttdS8ZX+m67rdr4kiSLSry4VbCawjKyJEc7TIMEZHHr79662Px1o8GjafeazdLYSXlkLsRsjEBcDOCAe54HU9hXKeG/AH9rjV31241q1t5NVmY6eJmhguE3AhimMkH1B7cVv6lpBk+Jnh+ZLAtZWdlMFcQkxwtwFGcYB9KI7Jd7fl+oPdv1/MvWWv2tzr15JHrnnWiWEd0LL7IV8lCN3m78ZbI/h7elFv8QfCt1fQWkOswma4jEkYZWUYIyMkjCnA6Eg9OOax59PvT488U3As5zDPpCxxSCJtsj7T8qnGCfYVjXnhyd/ht4PsxpErSxX9u9zCLclo1O7eXGMgeuaFr/XdtA9P67JHdaL4w0HxF9oGj6lHcG2GZcqybR6/MBkcdRxUWj+OfDev6k1hpOqJcXSgt5fluu4DrgsAD+GeOa5/W7DVU+Iep3uj2LM0nh944pWhzFJNv4Uk/KTjse3tXP+G9N1a48Z+GtSurXxG2zzlum1RMRQv5XPloB+7Qk4GcZ4A6UR1f9ef+QS0T/romegQ+OPDtzeLaQaiJLhvNxEsMhb93nfxt9jj1xxmrB8U6MPD8Wt/bQdPmIWOYRudxLbQAuN2c8YxWR8OtMk07RtQN1ZPazz6jO7ebEUZ13fKeeSMdK5zStKnXx5/wi20/2XpV82rKQPlCsoMUfth2Y/hRHWyfVL/g/h+QPq/X/gfj+Z6Tf6haaXYS3uoTpb20K7nkkOAo/wAe2O9YNt8RPC95YzXlvqe+3gkSOWT7PKAjPkLnK9Djr0qfxtBDc+ErqG60+81CFygeGxGZwNw+ZB3KnBx7c8VzWhWGq+JtG1zTdYgvhp00Kw2Vxq1qkV2CAcBgv3gpwQx6kn3wr7+Q+x2l7runadexWl5cbJ5opJkQIzZRBlm4BwAPXr2rMt/iD4Vur6C0h1mEzXEYkjDKyjBGRkkYU4HQkHpxzXK+EFvvEGl6trd/E5uItO/sqBcZLFEPmMMddz+npUF54cnf4beD7MaRK0sV/bvcwi3JaNTu3lxjIHrmqtrb0/Fv9LMnp9/4JfrdHXx+MdG8QaLq3/CP6kJ5rW2dm2KyMnynDDIBPI6isbwf4+0WLw/oun6zrYbVZ4V3ecXcliTjc+CAfqfT1pdV0y7b4j6ndQWUxgm8PSReakR2vJu4XIGC2O3WuZWLU7/4b2Hg1PCOoQXs2zNzLb7beL59xkL9Q2AcggHk9eAVH87fm1/wRv8Az/JHpGveMtA8MzRxa3qUdtLKNyxhGdsepCgkD3NYPjbxCl14LsdS8Pakxinv4FE1tKVJUtypxgj3B/Gq0rXnhDx5qWp3Ghahq9tqUESwXOnwedJCUUBkYZGAeDnvgde2NceHtWHgmaX+y5oX1DXkvo7CJC7W8RI+8F6dMn0746ULVr1X5rQT2fp+h6Br3jLQPDM0cWt6lHbSyjcsYRnbHqQoJA9zU3/CT6L/AMI//bn9pQf2bt3faM8fTHXd224znjGa5S5kvPCnxC1XVp9B1DVrbVIoxBcadB50kOwANGwzwDwc55wOvbDm8NaynhNtR/sZiG10aqdHXlhB/c2jjd324/DtSWq/rv8A19xT3/rt/SO6sPHvhrVGjXT9TFw8iyMqJDJuIjGW425HHY9e2atnxTow8Pxa39tB0+YhY5hG53EttAC43ZzxjFcdHqra38WPD90dIu9OAs7ldt7EI5nAHUqM4XJ4ye549a2laVOvjz/hFtp/svSr5tWUgfKFZQYo/bDsx/CqWrXn+j1/DUl9fL/L/PQ9RooopDCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACq83/H5F/1zf8AmtWKrzf8fkX/AFzf+a0ALRRRQBFcfdj/AOuqf+hCrlU7j7sf/XVP/QhUmoSvBpl1LEdrxwuynGcEAkUAWKKh/s6X/oJXX/fMX/xFH9nS/wDQSuv++Yv/AIigCaiof7Ol/wCgldf98xf/ABFH9nS/9BK6/wC+Yv8A4igCaiof7Ol/6CV1/wB8xf8AxFH9nS/9BK6/75i/+IoAklj82F49zJvUruQ4Zc9wfWsjw94YsvDkdwbaW5urm6cPPd3kvmTSkcDc2BwB0rT/ALOl/wCgldf98xf/ABFH9nS/9BK6/wC+Yv8A4igCas/W9JGt6W9k17eWIcgmayl8uTjtnB4PerX9nS/9BK6/75i/+Io/s6X/AKCV1/3zF/8AEUmrhsQ6TpVnomlwadpsQhtoF2oo59ySe5J5zVyof7Ol/wCgldf98xf/ABFH9nS/9BK6/wC+Yv8A4iqbvqGxNRUP9nS/9BK6/wC+Yv8A4ij+zpf+gldf98xf/EUgJqKh/s6X/oJXX/fMX/xFH9nS/wDQSuv++Yv/AIigCas/W9Hi1zTWs5bm6tfnV0ntJfLljYHOVbt6fjVr+zpf+gldf98xf/EUf2dL/wBBK6/75i/+IoAwdG8D6fo13cXv2zUb+/niMP22+uPNmjT0U4GPXpmrfh7wxZeHI7g20tzdXN04ee7vJfMmlI4G5sDgDpWn/Z0v/QSuv++Yv/iKP7Ol/wCgldf98xf/ABFAE1FQ/wBnS/8AQSuv++Yv/iKP7Ol/6CV1/wB8xf8AxFAE1FQ/2dL/ANBK6/75i/8AiKP7Ol/6CV1/3zF/8RQBNRUP9nS/9BK6/wC+Yv8A4ij+zpf+gldf98xf/EUATUVD/Z0v/QSuv++Yv/iKP7Ol/wCgldf98xf/ABFAE1FQ/wBnS/8AQSuv++Yv/iKP7Ol/6CV1/wB8xf8AxFAE1FQ/2dL/ANBK6/75i/8AiKP7Ol/6CV1/3zF/8RQBNRUP9nS/9BK6/wC+Yv8A4ij+zpf+gldf98xf/EUATUVD/Z0v/QSuv++Yv/iKP7Ol/wCgldf98xf/ABFAE1FQ/wBnS/8AQSuv++Yv/iKP7Ol/6CV1/wB8xf8AxFAE1FQ/2dL/ANBK6/75i/8AiKP7Ol/6CV1/3zF/8RQBNRUP9nS/9BK6/wC+Yv8A4ij+zpf+gldf98xf/EUATUVD/Z0v/QSuv++Yv/iKP7Ol/wCgldf98xf/ABFAE1FQ/wBnS/8AQSuv++Yv/iKP7Ol/6CV1/wB8xf8AxFAE1V5v+PyL/rm/81pgSa21OGJruWdJIZGIkVOCpQDG1R/eNPm/4/Iv+ub/AM1oAWiiigCK4+7H/wBdU/8AQhS6r/yBr3/r3k/9BNJcfdj/AOuqf+hCl1X/AJA17/17yf8AoJoAW71Ga38RabYIqGK6jmdyQdwKbcY5/wBo1Vn8RRWGrammpyRW9jYwW8nnEHIMjOp3e2VXtxzml1y1vF1PTdVsLZrxrMyJLbI6q7pIACVLELkFVOCRxnmsi90jVNWt9WvJLA28t69rHDaSSIXEcUm4s5DFcncxwCeAO5xQBryeJrC4029lsr0W8lrtEjXVnL+7LEbSYztZgc8EcH14qW/8TaVpdw8F7cOHiQPMY7eSRYVPQyMqkIDg/eIrG1/RNSvdS1iS1g3x3NlaxRHzFG50mZmGCeMAjr60uoQ6npcniLytNa+h1JTNHcCWNUiPkhCsgYhsDYDlQ2QelTJ2VxpXdjobbV7G7kCW8+9jbJdY2MP3T52tyO+08deKrTeJ9KhtbW48+WVLuHz4VgtpZXaPAO8oilgvI5IA5rA02DU7WKwvrHTmvo7vQ7e2BSZE8mRQSC+4g7T5nVdxG08HiqVp4Z1Cw/s24vNP1G8/4lNvaSw6dqRt5IJI85BxKiup3HnccEdOc1clZtf11/yRMXdX/rp/wTsNS1Cb/hGrjUdD8m6kFuZ7fOWSXjcBwR1HT61UuvEW4aI2neW8epnzmkkBIS3WMuzcHr90D3atHSbOOw0e1tYbf7MkcQAgMhk8vjldx5bHrXLadoOuWX9reSscT2dtJaaI5ZWG1mLhiOcY/dpgj/ln6Gk9G/6/q+g1ql/W/wDkbR8UWVxZXzWDSfara1a4EN1bSwllAOGCuqllyMZFWtO1eG7hhSV1F2bOK6ljVThVcHBB+qtxnPFcpbaFqkuoXFwbDUIlk0ie2LahqAnkeZip4UOyoDj+HA65AwKvJY6tpl7DPb6Y155+kw2bBJkXyJULH59xHynf1XcRtPB4pPRP+v5v+AG/9f4f+CbE3ifSobW1uPPllS7h8+FYLaWV2jwDvKIpYLyOSAOaWXxNpMctvGLlpjcRrKht4JJlCMcKzMikIp7FsA4Poa5K08M6hYf2bcXmn6jef8Sm3tJYdO1I28kEkecg4lRXU7jzuOCOnOavy6Pe2c9gPD+l3en3EcUMZnS7SSDywxLRTK7bmxlsMqlsnhhzVWV7ef8AmLp/Xl/wTs6KKKQwooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigArGbxZoya7/YzXMg1Ddt8n7NLz7524x75xWzUBsbU6gt8beM3SxmITbfmCZzjPpmgCvc/8hm1/wCveb/0KOkm/wCPyL/rm/8ANaW5/wCQza/9e83/AKFHSTf8fkX/AFzf+a0ALRRRQBFcfdj/AOuqf+hCpNQiefTLqKIbnkhdVGcZJBAqO4+7H/11T/0IVcoAh/tGX/oG3X/fUX/xdH9oy/8AQNuv++ov/i6mooAh/tGX/oG3X/fUX/xdI988iMj6XcsrDDKTEQR6ffqeigCvHeNDEkUOlXEcaKFRFMQCgdABv4FO/tGX/oG3X/fUX/xdTUUAQ/2jL/0Dbr/vqL/4uj+0Zf8AoG3X/fUX/wAXU1FAEP8AaMv/AEDbr/vqL/4uj+0Zf+gbdf8AfUX/AMXU1FAEP9oy/wDQNuv++ov/AIuj+0Zf+gbdf99Rf/F1NRQBD/aMv/QNuv8AvqL/AOLo/tGX/oG3X/fUX/xdTVUS9ll3GGwuJEV2TeGjAJVip6uD1BoAl/tGX/oG3X/fUX/xdH9oy/8AQNuv++ov/i6Z9ouf+gZdf99xf/F0faLn/oGXX/fcX/xdAD/7Rl/6Bt1/31F/8XR/aMv/AEDbr/vqL/4umfaLn/oGXX/fcX/xdH2i5/6Bl1/33F/8XQA/+0Zf+gbdf99Rf/F0f2jL/wBA26/76i/+Lpn2i5/6Bl1/33F/8XR9ouf+gZdf99xf/F0AP/tGX/oG3X/fUX/xdH9oy/8AQNuv++ov/i6Z9ouf+gZdf99xf/F0faLn/oGXX/fcX/xdAD/7Rl/6Bt1/31F/8XR/aMv/AEDbr/vqL/4umfaLn/oGXX/fcX/xdH2i5/6Bl1/33F/8XQA/+0Zf+gbdf99Rf/F0f2jL/wBA26/76i/+Lpn2i5/6Bl1/33F/8XR9ouf+gZdf99xf/F0AP/tGX/oG3X/fUX/xdH9oy/8AQNuv++ov/i6Z9ouf+gZdf99xf/F0faLn/oGXX/fcX/xdAD/7Rl/6Bt1/31F/8XR/aMv/AEDbr/vqL/4umfaLn/oGXX/fcX/xdH2i5/6Bl1/33F/8XQA/+0Zf+gbdf99Rf/F0f2jL/wBA26/76i/+Lpn2i5/6Bl1/33F/8XR9ouf+gZdf99xf/F0AP/tGX/oG3X/fUX/xdH9oy/8AQNuv++ov/i6Z9ouf+gZdf99xf/F0faLn/oGXX/fcX/xdAD/7Rl/6Bt1/31F/8XR/aMv/AEDbr/vqL/4umfaLn/oGXX/fcX/xdH2i5/6Bl1/33F/8XQA/+0Zf+gbdf99Rf/F0f2jL/wBA26/76i/+Lpn2i5/6Bl1/33F/8XR9ouf+gZdf99xf/F0AP/tGX/oG3X/fUX/xdH9oy/8AQNuv++ov/i6Z9ouf+gZdf99xf/F0faLn/oGXX/fcX/xdAD/7Rl/6Bt1/31F/8XR/aMv/AEDbr/vqL/4umfaLn/oGXX/fcX/xdH2i5/6Bl1/33F/8XQA/+0Zf+gbdf99Rf/F0f2jL/wBA26/76i/+Lpn2i5/6Bl1/33F/8XR9ouf+gZdf99xf/F0AP/tGX/oG3X/fUX/xdH9oy/8AQNuv++ov/i6Z9ouf+gZdf99xf/F0faLn/oGXX/fcX/xdADQ81zqcMrWksCRwyKTIyclihGNrH+6afN/x+Rf9c3/mtPilmkYiWzmgGPvSMhB9vlYmmTf8fkX/AFzf+a0ALRRRQBFcfdj/AOuqf+hCrlU7j7sf/XVP/QhVygDKsfEen6iW+xi8kVVZvMNhOqMF64YoAx9gST2rShlWeBJUDhZFDAOhRgD6qwBB9iM1x2gDU4fAc073lv8AZltLgwpFbsksbZbBMnmEHv0Udqryz6rq2qWmnRnfGmlQ3Cq2qS2byu2Qz7o0ZnxhRgnA3ZOcjCT/AK+//IP6/L/M7X7bB/aH2HzP9I8rztm0/czjOenWia9ggure2lk2y3JYRLtJ3FRuPPbgd64ya71LT/OupJY7vUoPDhfzYPnWRwxIYcDPr0GfSpUtLW08UeGGttTubtrhJpCJ7ppvNHk/6wBidvXouF56cCn0/ru/8hPT+vJf5nV6lqdjo9i95ql1Fa26dZJWwPoPU+w5NWIpFmhSWM5R1DKcdQaxvGNvDN4Q1WSWGN3hsp2jZlBKExMCQexwSPoa0tN/5BNp/wBcE/8AQRQuvy/X/Ib6fP8AQs0UUUAFFFFABRRRQAVQTUrTR/D9zf6jL5NrBNM0km0ttHnMOgBNX65zxAofwDfqwBU3Dgg9/wDSaTvbQPU6K41G0tdLfUZ51W0SLzWlwSNuM545P0FQXeuadY6GNXurkR2BRZBMUY/K2NpwBnnI7VxlwjyWsng+TcYtOMlxJkfftUG6BfQ/Myr/ANsmqX7S93F4a02PTLjU4bbT47y5hgaIdY/LjB8x1GOXPX+EcU9728v1/wAg2tfz/T/M6rVfEWnaLEsuoNcrEV3+bFZzSoBnHLIpA/E0yXxPpsMEEsovl+0SNHFGdOuPMcqMnEezdjHfGK5Oe8kl+FWpWF1FJBc6Yy2kkUrKXVVdTGTtJGShXoSM55rf8Spdv4h8Prp88ME/nT7XnhMqj9y2flDKf1ofkIuz+J9NtobWSb7apu2ZYYv7PnMrFeT+7CbhxzkipYvEOmTWcFzHcny57gWqbonVhLnGxlIypyP4gMVha5Fqn/CQeGUS8sxfb7nM5tGMR/d/88/Mz0/2/wDCs0MjaZY+aNuo/wDCRxf2ghI+WbODj/YKhSvfbjOTmhfFb0/NIHtf1/Js7W51axs9Rs7C5uBHc3pYW8ZB+faMnnGBx61J9vtv7TGn+Z/pRh8/y9p+5u25z069utcHq017q15rN/Y6NeXj2skcVhcxPCEVrdt7H5pA3L7lOAcgd+lbOnX8OqeOLO/tjmK50PzE57GVTiiOtv66Nr8hy0v/AF1Sf5nV0UUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAyX7v41Sm/wCPyL/rm/8ANauy/d/GqU3/AB+Rf9c3/mtAC0UUUARXH3Y/+uqf+hCrlU7j7sf/AF1T/wBCFXKAIktbeO1+zRwRLBgr5SoAuD1GOnOar3mjaZqMEUOoabaXUUP+qjngV1TjHAI449Ku0UARJa28ciyRwRI6xiJWVACEHRQfT2qtaaHpNhL5ljplnbSbi2+G3RDnBGcgdcEj8avUUAMmhjuIXhnjWWKRSro6gqwPBBB6inKqogVFCqowABgAUtFABRRRQAUUUUAFFFFABVewgiudLkiuIklja4mykihgf3zHoasVWfTLCR2d7K3ZmOWYxKST69KALrW0DSSSNDGXkQRuxQZdRnCk9x8x49z60yCxtLV2e1tYYWZVRmjjCkqowoOOwHAHaqf9lad/z4Wv/flf8KP7K07/AJ8LX/vyv+FAFqTTrKXz/Ns7d/tO3z90Snzdv3d3HOO2elN1DStO1aNI9UsLW9RDuVbmFZAp9QGBxVf+ytO/58LX/vyv+FH9lad/z4Wv/flf8KAJ7XSNNskhWz0+1t1gLGIRQKgjLfeK4HGe+OtPbTbF7hrh7K3aZnR2kMSliy/dJOM5HY9qq/2Vp3/Pha/9+V/wo/srTv8Anwtf+/K/4UAXre2gtIBDaQxwRKSRHGgVRk5PA9yTVGfw1oV0kSXOi6dMsIKxrJaIwQE5IGRxySaP7K07/nwtf+/K/wCFH9lad/z4Wv8A35X/AAoA0Ioo7eFIYI1iijUKiIoCqB0AA6Cn1mf2Vp3/AD4Wv/flf8KP7K07/nwtf+/K/wCFAGnRWZ/ZWnf8+Fr/AN+V/wAKP7K07/nwtf8Avyv+FAGnRWZ/ZWnf8+Fr/wB+V/wo/srTv+fC1/78r/hQBp0Vmf2Vp3/Pha/9+V/wo/srTv8Anwtf+/K/4UAadFZn9lad/wA+Fr/35X/Cj+ytO/58LX/vyv8AhQBp0Vmf2Vp3/Pha/wDflf8ACj+ytO/58LX/AL8r/hQBp0Vmf2Vp3/Pha/8Aflf8KP7K07/nwtf+/K/4UAadFZn9lad/z4Wv/flf8KP7K07/AJ8LX/vyv+FAGnRWZ/ZWnf8APha/9+V/wo/srTv+fC1/78r/AIUAadFZn9lad/z4Wv8A35X/AAo/srTv+fC1/wC/K/4UAadFZn9lad/z4Wv/AH5X/Cj+ytO/58LX/vyv+FAGnRWZ/ZWnf8+Fr/35X/Cj+ytO/wCfC1/78r/hQBoS/d/GqU3/AB+Rf9c3/mtLDZWts5e3toYmIwWjjCkj04pJv+PyL/rm/wDNaAFooooAiuPux/8AXVP/AEIVcqncfdj/AOuqf+hCrTuscbO5wqgkn2o2AdRXN6QNW12xg1htXls47nE0FnDDEYxEeVDllLMxHUqy9cDGMme58VW9u1w4sb2WytZDHcX0aJ5URBw3BYOwXuVUgYPocHWwG7RWD/bv2PUtbe/lY2ln5HlIiZbLr90ADLEsQAPU08eJ4o/tK3+nXthLBbNdCKcRkyxr94qUdlyOOCQeRSuG5t0VS03UhqNj9r+y3FtE3MfnhQZExkOApJAPocH2rPh8V20mly6lPZXttYrGskU8qKRcKxwuwKxbJyMBgDyOKezsG5u0VzGqeI7y3jsJf7Nv7IvfxwvDKkTvMrI5AXYzDqB3GO+BzVxPFNs1lJK1pdx3KXP2T7Cyr5xlxuCjDFTlTuzuxjkkUf1+X+Yf1+f+Rt0VgyeLbaG1Lz2V7HcLdJaPaFEMqyOMr0YqQQRyGI59jiFvGtui3DTaVqcf2OQJe7o4/wDRc4wzYfDDB3fJuwOuKN/6/ruB0lFY2oeJYLCe4RbO8u47NQ13NbqhW3BGfmywLHb82FDHGOORnYR1kjV0IZWGQR3FAC1zNzc6PonhuxvdQ05JRKkaExwIzFimcnOPQ101cL41/wCRB0r/AH4f/RTVvh4KpVjCWzNKcVKaTD/hNfC3/QHk/wDAWL/4qnReMfDEsgRdIcE+ttF/8VXnFWLL/j6WvYxGAo06Mpx3SZ01qMIUpSW6R6T/AMJD4d/6BP8A5LR/40HxF4cVSTpJ4/6do/8AGuRpsn+rb6GvhPrtY+Xp42tKai+rOn/4TDwx/wBAh/8AwGi/+Ko/4TDwx/0CH/8AAaL/AOKrgD1NA6irWMqn6b/Y+Ftez+89Pj1fQJI1ddLGGGRm3j/xp39qaD/0C1/8B4/8a5m1/wCPWL/dFS19hDCUpQTZ+UVsxrwqyirWTfQ6mKfRZYwy6bGAfWBKfu0f/oGxf9+ErKsv+PZanr5DEYurTrShHZM+ww1KNSjGct2ilrfi3wzoNzHBeaQ7tIu4GK2iIxn3IrM/4WV4P/6Alx/4CQ//ABVcv8SP+Qxa/wDXD+prja9TDydSkpS3Z0fVqZ61/wALK8H/APQEuP8AwEh/+Ko/4WV4P/6Alx/4CQ//ABVeSGitHoz5/HVp0azhDY9fg+InhG4l8tNFnBx3tYv/AIqrf/CZ+F/+gPJ/4Cxf/FV5Bpn/AB+j6Gt2vbwGCo16XNPe5xfXKp6NB4t8M3E6RJpDhnYKM20WP51vbdI/6B0P/fhK8k03/kJW/wD10X+deo18vxPWnllWnHD7STvfU9LB1JVotzLJGkAE/wBnQ8f9MErPfWfD6OVOlDIP/PvH/jUz/cb6Vyc//Hw/1rhyXGVcY5qr0PoMDhKVdvn6HSf234f/AOgUP/AeP/GsG9+JXg+wvJLabRLhnjbBK2kOP/Qqq15d4k/5GG7/AOuhr6enRhJ6mGcYeGEoxnS3bPVP+FreDP8AoB3X/gJD/wDF1NF8TPB8y7l0S4A97SH/AOKrxGtGx/1J+tYY2Ko0ueG54mCqSrVeSex7B/wsbwj/ANAW4/8AASH/AOKqC5+Kfg20x5mh3Rz/AHbSH/4uvMKytZ/5Z1xYCpKviI057M9atRjCDkj1z/hb/gj/AKAV5/4Bw/8AxdaegfEHwl4i1IWVlo00chUtma1iC4H0Y189V2nwu/5HBf8Ari/8q+kr4KjClKS3SPIrVZQpuS6Hu/m6N/0DYv8AvwlSwLpFxOsSadCGbOMwJjpWVVvS/wDkJRfj/I14F2eTRzCvOpGL6tGt/ZWnf8+Fr/35X/Cj+ytO/wCfC1/78r/hVusJ/FUKeKBoR03UDcsN4kEaeWU/v53Zx+FWfQl1LS3tdZg+zQRQ7reXd5aBc/NH6VYm/wCPyL/rm/8ANaZJ/wAhm2/695f/AEKOnzf8fkX/AFzf+a0ALRRRQBFcfdj/AOuqf+hCrbqHRkYZVhgj1FVLj7sf/XVP/QhVyjcDntLsNd0W2i0u2WwubCAhILmWZ0lSLsrRhCGKjjO5c4HAqq/h/VotMv8ARLZrNtNvZJj9peRhNCkrFnXy9pDkbmwdy9Rxxz1dFG+4bbHM33hee6bUjDPFEZpLWa0YgtteHBG8ccEgdD0ou9G1XWTcT6klnayiwntLeKCd5VLSgZdmKKR91RgA9zntXTUUmr/18gWlrEFtDJBp8UOVMkcQTPUZAx+VckvhHUJbe72iz0ssYZoLW1mea3E8b7/M2lV2BiACqjnqSTXaUVTd3zAtFYwprLV9Tawkv4rK2a0vUn2QXDygoEYHkovOWHGO3WsvU/Bs19eXl06WNyW1FLyC2ulLRSqIREySfKcHqQQGwcHB6V2NFL+vy/yD+vz/AMzmYfDsi2tqsOm6VpZi1CO5eGxzsKKMfe2Lubn+6OOKffeHru6s/EkMckIbVSDAWY4XEKJ83HHKnpniujoo/r8v8g63OPvPCB/tu+vI9H0TVEvmWQvqKfvIHChTj9229flBxlec888deihEVUAVVGAAMACloo6WAK4Xxr/yIOlf78P/AKKau6rHjh8zS7a01DRnuRCigrIIXXcFxkZb61tQqKlUU30LhLlkmeMVYsv+Ppa9c/szTv8AoWI/+/Fv/wDFUq6dp6nK+GUB9RDB/wDFV6lfMYVaUoKO6sdFXEKpTcEtzz2myf6tvoa9I+y2n/Qu/wDkOD/4qk+yWh6+HR/37g/+Kr47+z5fzHz0MBKM1K+x5AepoHUV65/Z2n/9Cyn/AH5g/wDiqP7O0/8A6FlP+/MH/wAVV/UZdz7/APtyna3IzjrX/j1i/wB0VLXZCGBQAugEAdAEh/8AiqPKh/6ALf8AfEP/AMVX08MbGMUrH5xVyuc6kpqS1bZiWX/HstT1rqVUYXRZAPQCH/4ul3D/AKA0v5Q//F18zXwUqtWU092fT0KypUo02tkeP/Ej/kMWv/XD+prja+ibmwsb1w954aS4ZRgNLDAxA/Fqh/sTR/8AoUbf/wABrf8A+Kr0KMfZ01B9Df63HsfPZor6E/sTR/8AoUbf/wABrf8A+Ko/sPR/+hRt/wDwGt//AIqrerPExdB4iq6idjwbTP8Aj9H0Nbteuro2ko2U8JwKfUW9uP8A2apP7N0//oWI/wDvzb//ABVetgsfHDU+Rxvqcv1GXc8n03/kJW//AF0X+deo1YWwsEYMnhpFYHIIhgBH/j1WvMP/AECJv/IP/wAXXz3EFB5tUhOD5eVPc7sLTdBNPW5mP9xvpXJz/wDHw/1rv/M/6g83/kH/AOLqEwW5OToBJ/3IP/iq5MqwEsA5OTvc9rCY2OHbur3OCry7xJ/yMN3/ANdDX0d9ntv+hfP/AH7g/wDiqqyaJo80hkm8I28jsclmtrck/jur6CFdRexlmmJWNpKEVazufM9aNj/qT9a+hP8AhH9D/wChOtf/AAFtv/iqcuh6MowvhG3A9ra2/wDiqxxc/b0+RaHk4Wk6FTnbueB1laz/AMs6+k/7F0j/AKFK3/8AAa3/APiqY+gaJJ/rPB9q+P71rbH/ANmrkwdN4auqr1selVrKcHFI+Wa7T4Xf8jgv/XF/5V7f/wAI3oH/AEJdn/4B23+NT2uj6VYzebZeFIbaTGN8Nvbo2PqGr3q2PjUpuCjueZVoupBxT3KFW9L/AOQlF+P8jWjkf9AaX8of/i6VZNjBk0iZWHQjyQf/AEOvG5TzaWWzhUjLm2ZfpNi79+0bgMbsc49Kq/bJ/wDoG3X/AH1F/wDF0fbJ/wDoG3X/AH1F/wDF1R7YSf8AIZtv+veX/wBCjp83/H5F/wBc3/mtQxmafU4pXtZYEjhkUmRkOSShH3WP901NN/x+Rf8AXN/5rQAtFFFAEVx92P8A66p/6EKuVTuPux/9dU/9CFXKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKrzf8fkX/XN/5rViq83/AB+Rf9c3/mtAC0UUUARXH3Y/+uqf+hCrbuscbO5wqgkn0FVLj7sf/XVP/QhVt3WONnc4VQST6CgCn/a9j/z3/wDHG/wo/tex/wCe/wD443+FH9r2P/Pf/wAcb/Cj+17H/nv/AOON/hQAf2vY/wDPf/xxv8KP7Xsf+e//AI43+FH9r2P/AD3/APHG/wAKP7Xsf+e//jjf4UAH9r2P/Pf/AMcb/Cj+17H/AJ7/APjjf4Uf2vY/89//ABxv8KP7Xsf+e/8A443+FAB/a9j/AM9//HG/wo/tex/57/8Ajjf4Uf2vY/8APf8A8cb/AAo/tex/57/+ON/hQAf2vY/89/8Axxv8KP7Xsf8Anv8A+ON/hR/a9j/z3/8AHG/wo/tex/57/wDjjf4UAH9r2P8Az3/8cb/Cj+17H/nv/wCON/hR/a9j/wA9/wDxxv8ACj+17H/nv/443+FAB/a9j/z3/wDHG/wo/tex/wCe/wD443+FH9r2P/Pf/wAcb/Cj+17H/nv/AOON/hQAf2vY/wDPf/xxv8KP7Xsf+e//AI43+FH9r2P/AD3/APHG/wAKP7Xsf+e//jjf4UAH9r2P/Pf/AMcb/Cj+17H/AJ7/APjjf4Uf2vY/89//ABxv8KP7Xsf+e/8A443+FAB/a9j/AM9//HG/wo/tex/57/8Ajjf4Uf2vY/8APf8A8cb/AAo/tex/57/+ON/hQAf2vY/89/8Axxv8KP7Xsf8Anv8A+ON/hR/a9j/z3/8AHG/wo/tex/57/wDjjf4UAH9r2P8Az3/8cb/Cj+17H/nv/wCON/hWbeTQ3F8s0d9sUY/hbK/Tii8mhuL5Zo77Yox/C2V+nFAGl/a9j/z3/wDHG/wo/tex/wCe/wD443+FZt5NDcXyzR32xRj+Fsr9OK0v7Xsf+e//AI43+FAB/a9j/wA9/wDxxv8ACj+17H/nv/443+FH9r2P/Pf/AMcb/Cj+17H/AJ7/APjjf4UAH9r2P/Pf/wAcb/Cj+17H/nv/AOON/hR/a9j/AM9//HG/wo/tex/57/8Ajjf4UAH9r2P/AD3/APHG/wAKP7Xsf+e//jjf4Uf2vY/89/8Axxv8KP7Xsf8Anv8A+ON/hQAf2vY/89//ABxv8KP7Xsf+e/8A443+FH9r2P8Az3/8cb/Cj+17H/nv/wCON/hQAf2vY/8APf8A8cb/AAo/tex/57/+ON/hR/a9j/z3/wDHG/wo/tex/wCe/wD443+FAB/a9j/z3/8AHG/wo/tex/57/wDjjf4Uf2vY/wDPf/xxv8KP7Xsf+e//AI43+FAB/a9j/wA9/wDxxv8ACj+17H/nv/443+FH9r2P/Pf/AMcb/Cj+17H/AJ7/APjjf4UAH9r2P/Pf/wAcb/Cj+17H/nv/AOON/hR/a9j/AM9//HG/wo/tex/57/8Ajjf4UAH9r2P/AD3/APHG/wAKP7Xsf+e//jjf4Uf2vY/89/8Axxv8KP7Xsf8Anv8A+ON/hQAf2vY/89//ABxv8KP7Xsf+e/8A443+FH9r2P8Az3/8cb/Cj+17H/nv/wCON/hQBLb31tdSFIJNzAZI2kcfjRN/x+Rf9c3/AJrRb31tdSFIJNzAZI2kcfjRN/x+Rf8AXN/5rQAtFFFAEVx92P8A66p/6EKuVTuPux/9dU/9CFWLiZba2lncErGhcgdcAZoAkoqkNQlZQRpt5g9OE/8AiqPt8v8A0Dbz/wAh/wDxVAF2iqX2+X/oG3n/AJD/APiqPt8v/QNvP/If/wAVQBdoql9vl/6Bt5/5D/8AiqPt8v8A0Dbz/wAh/wDxVAF2iqX2+X/oG3n/AJD/APiqbJqogCtc2dzBGWCmSTZtXJxk/N0oAv0VV/tXT/8An+tv+/y/40f2rp//AD/W3/f5f8aALVFVf7V0/wD5/rb/AL/L/jR/aun/APP9bf8Af5f8aALVFVf7V0//AJ/rb/v8v+NH9q6f/wA/1t/3+X/GgC1RRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVXm/4/Iv+ub/AM1qxVeb/j8i/wCub/zWgBaKKKAIrj7sf/XVP/QhTtV/5A95/wBcH/8AQTTbj7sf/XVP/QhTtV/5A95/1wf/ANBNAFmL/Up/uiqlnqsF5NfRKHjexm8qYSAD+EMGHP3SGBzVuL/Up/uiuN8V+bYaw8dqrBvEVutgGUZCShsBj/2zdz/2zpa7IenU6nStRi1fSre/t0kSG4TfGJQAxU9DgE9Rz9DS2+oRXOo3dmiuJLTZ5hIGDuGRjmvOvF8tlHJqUUMemWV3pkcSWplhaW8kCqrK8JDKY0XpkbhwxOOc62tkiTxFKQxWGfT5pCATtRGRmbjsFBJ+lPTcWux3NFed63qf9o3Wvz6DciWIWtistzArSL5XmyeYV2EFwF3Z2nsRkEcNisNKOlambfxFokVlKIFkWwtPLtEYPkeYBKVO8fKwyuRjPagfWx6NVHVxm1iB6faYv/QxVHwjNBN4fVrSxtrGISyKEs23QPhsb4zgZVuo4H9avav/AMesP/XzF/6GKb0ERajeWOk6dNfagyw20C7pH2Fto+gBNFxd2Nrpr6hO8a2qR+aZNuRtxnPHJrP8YqG8J3isAQdgIPf94tc5OjPayeE3yY9PMk75H3rVRuhHofmZV/7ZtUN2TGldo7i3e3urWK4twrxTIHRtuMqRkHB9qk8qP+4v5VwlxcNPolnbW32hZLPR4riWX+03s4oVZSA3yAl2+Q8MNoA684MrXl1Lb6Xq+pT3M9m1pbeaLK7MT28znmR41IEisSowc4wcKcmtGtWvP/P/ACJT0T/rp/mdfaz2l6sjW21xFK0T/JjDKcEcj1qLVo0Gj3RCKD5TdvauS0S4mn8T3FheSzWdmt/cTW3lOV+2Sh23KWHQKOdn8XXkAiuv1f8A5A93/wBcm/lUrZPuN7tGnRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVXm/4/Iv8Arm/81qxVeb/j8i/65v8AzWgBaKKKAIrj7sf/AF1T/wBCFO1X/kD3n/XB/wD0E024+7H/ANdU/wDQhTtU/wCQPef9cH/9BNAFmL/Up/uinUyH/Up/uj+VPoAKKKKACiiigAqhrLKllGzsFVbiIkk4AG8VfpksMcyhZVDAMGAPqDkUAZs15pdxEYri5tJY26o8isD36GkN3pTSO7XFmXkQI7F0yyjOFPqOTx7mtTyo/wC4v5UeVH/cX8qAMOaHw7cPbvPHpcrWwCwM6xkxAdAufu/hSeR4cNzBcGLS/Pt1CQy7Y90SjoFPUAegrd8qP+4v5UeVH/cX8qAMaQ6FNF5cp094/N87Y2wjzM534/vZ5z1pNU1Czk0m5SO7gZmjYBVlBJ4+tbXlR/3F/Kjyo/7i/lQBW/tXT/8An+tv+/y/40f2rp//AD/W3/f5f8as+VH/AHF/Kjyo/wC4v5UAVv7V0/8A5/rb/v8AL/jR/aun/wDP9bf9/l/xqz5Uf9xfyo8qP+4v5UAVv7V0/wD5/rb/AL/L/jR/aun/APP9bf8Af5f8as+VH/cX8qPKj/uL+VAFb+1dP/5/rb/v8v8AjR/aun/8/wBbf9/l/wAas+VH/cX8qPKj/uL+VAFb+1dP/wCf62/7/L/jR/aun/8AP9bf9/l/xqz5Uf8AcX8qPKj/ALi/lQBW/tXT/wDn+tv+/wAv+NH9q6f/AM/1t/3+X/GrPlR/3F/Kjyo/7i/lQBW/tXT/APn+tv8Av8v+NH9q6f8A8/1t/wB/l/xqz5Uf9xfyo8qP+4v5UAVv7V0//n+tv+/y/wCNH9q6f/z/AFt/3+X/ABqz5Uf9xfyo8qP+4v5UAVv7V0//AJ/rb/v8v+NH9q6f/wA/1t/3+X/GrPlR/wBxfyo8qP8AuL+VAFb+1dP/AOf62/7/AC/40f2rp/8Az/W3/f5f8as+VH/cX8qPKj/uL+VAFb+1dP8A+f62/wC/y/40f2rp/wDz/W3/AH+X/GrPlR/3F/Kjyo/7i/lQBW/tXT/+f62/7/L/AI0f2rp//P8AW3/f5f8AGrPlR/3F/Kjyo/7i/lQBW/tXT/8An+tv+/y/40f2rp//AD/W3/f5f8as+VH/AHF/Kjyo/wC4v5UAVv7V0/8A5/rb/v8AL/jR/aun/wDP9bf9/l/xqz5Uf9xfyo8qP+4v5UAVv7V0/wD5/rb/AL/L/jR/aun/APP9bf8Af5f8as+VH/cX8qPKj/uL+VAFb+1dP/5/rb/v8v8AjR/aun/8/wBbf9/l/wAas+VH/cX8qPKj/uL+VAEcF1b3O77NPFNt+95bhsflTJv+PyL/AK5v/Naht1C61eBQAPKi6D3eppv+PyL/AK5v/NaAFooooAiuPux/9dU/9CFO1X/kD3n/AFwf/wBBNNuPux/9dU/9CFO1X/kD3n/XB/8A0E0AWYv9Sn+6KdTYv9Sn+6KdQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFU9V1KPSdOe8mjklVWRdkQG5izBRjJA6sO9AFyiudXxgjsFXRtSZicADyMk/wDfytix1K01L7R9il8z7NO1vL8pG2RcZHI56jkcU2mtwLVFFFIAoqpqmpQ6Rpst9cq7RRY3CMAsckDuR60aXqUOr6bFfWyusUudokADDBI7E+lK6vYXMr8vUt0UUUxhRSMwRSzkKoGSScACoLS+gvkZrd9204IIwR7496ALFFFFABRRVa2vo7qeeKNXDQNtbcBgnJHH5UAWaKKZMSLeQg4IU4I+lAD6KiEClR88n/fZpfIX+9J/32aAJKKj8hf70n/fZo8hf70n/fZoAkoqPyF/vSf99mjyF/vSf99mgCSio/IX+9J/32aPIX+9J/32aAJKKj8hf70n/fZo8hf70n/fZoAkoqFV2XIAZiChOGYnuKmoAow/8hu8/wCuMX83qWb/AI/Iv+ub/wA1qKH/AJDd5/1xi/m9Szf8fkX/AFzf+a0ALRRRQBFcfdj/AOuqf+hCnar/AMge8/64P/6Cabcfdj/66p/6EKdqv/IHvP8Arg//AKCaALMX+pT/AHRTqbF/qU/3RTqACiiigAooooAKKKKACiiigAooooAKKKKACiiigArB8a5/4RSfZEZm8+3xEsmwufPT5d38Oeme1b1YPjWMzeFJ4giOXnt1CuflbM6cHg8fgaNegadTkba61OzW4+zeGbuJ54WhMg1zcyBu67sgMMcHFa3hDw1Jplxc6jdapfeU17I9upvFeG7jcAJI4H3mbPXIJIHFYX/COTf9AnSf+/h/+NV1CTXUPgPQTaWi3IMVnuHmhCCDGV6jnJGOvGQeeaVKFVy5anX+u7CtOlGPNTd7ev8AkdXVTVNSh0jTZb65V2iixuEYBY5IHcj1qzGXMamVVV8DcFbIB74OBn8hSTwQ3MLQ3MSTRN95JFDKe/Q0O9tBO7WhwXiLxrp2r6Dc2NtDdLLLt2mRFCjDA9mPpR4d8a6dpGg21jcw3TSxbtxjRSpyxPdh61r+MNJ0628KXk1tp9rDKuza8cKqw+dR1Ao8H6Tp1z4Us5rnT7WaVt+55IVZj87DqRXLap7TfWxxWq+231t+pvaXqUOr6bFfWyusUudokADDBI7E+lW6ZBBDbQrDbRJDEv3UjUKo79BT66le2p2q9tTM1G1ub+8S2DGO0Ch5GHVjk8fp/nisfTbW5WzN/YMTNFIVaPs64Bx/9b8ua6usfwz/AMg2T/rsf5CmM2KKKKAE3AMFJG4jIGeSP8kVkaN/yEtU/wCu39WqzqlnNcrHNaSFLiAkp6NnqP0+lYVkt7e3N1BH+5E75uGwRs5PH6nj/wCvQB1asHUMhDKRkEHIIps//HvJ/uH+VEMQggjiTJWNQoz1wBiif/j3k/3D/KgBy/dH0rm/HJ1A6PaR6PdSW13JexrGyMV3HkhTgjKkgAiukX7o+lUtT03+0fsf73y/st0lx93O7bnjrx160uq9V+YdH8zk/FXiK4vvC9o2jTS2stzB9smZGKvFGhGVyOhLlV/Bq3rnXL+S+vINF0yK9Wxws7y3XlZcqG2IAjbjtI67RyBnrivJ4NhMGtRxXTp/ajDbuTcLdc7iqjPOXZ27fe9qsTaFfQ6he3GjanHZpfkPcRy2vm4cKF3xkOu0kAdQwyBx1y3tp/T/AK/ECODxQ9/qFpDplkstvPZx3rzzz+WI42JBGArZYY6dDzyMVR0z4gWep6naQxGxaC+kMcHlX6yXCnBIMkIHyg7T/ESMjIHONew8O2+nXiPA5NvHYR2SwsMnapJyW75z6VHo+jajpC29muqRS6ZbArFCbXE2zBCo0m/BA46ICcDnrl6X/ru/0t+oP+vu/wAzbooopAUtYvLuw0ua6sLL7dLEN3keZsLDvg4OT7d6ZoeoXeqaTFeX1j9geUblhMm8hexPAwfatCigCM/8fS/7h/mKkqM/8fS/7h/mKkoAow/8hu8/64xfzepZv+PyL/rm/wDNaih/5Dd5/wBcYv5vUs3/AB+Rf9c3/mtAC0UUUARXH3Y/+uqf+hCnar/yB7z/AK4P/wCgmm3H3Y/+uqf+hCnar/yB7z/rg/8A6CaALMX+pT/dFOpsX+pT/dFOoAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACorm1gvLdoLyCOeF8bo5UDK2DkZB46ipaKAMv/hGNB/6Amnf+Akf+FaUUUcEKRQosccahURBgKBwAB2FOooAKKKKAGTwQ3MLQ3MSTRN95JFDKe/Q0QQQ20Kw20SQxL91I1CqO/QU+igLa3CiiigApkUMcC7YY0jUnOEUAZp9FABRRRQAUgUKSQACxycDqelLRQAU2Rd8bLnG4EZp1FAEQSYD/AFq/98f/AF6XbN/z1X/vj/69SUUAR7Zv+eq/98f/AF6Ns3/PVf8Avj/69SUUAR7Zv+eq/wDfH/16Ns3/AD1X/vj/AOvUlFAEe2b/AJ6r/wB8f/Xo2zf89V/74/8Ar1JRQBHtm/56r/3x/wDXo2zf89V/74/+vUlFAEaxuJd7uGwpAAXH9fapKKKAKMP/ACG7z/rjF/N6lm/4/Iv+ub/zWoof+Q3ef9cYv5vUs3/H5F/1zf8AmtAC0UUUARXH3Y/+uqf+hCnar/yB7z/rg/8A6Cabcfdj/wCuqf8AoQp2q/8AIHvP+uD/APoJoAsxf6lP90VBfXElvEhi25Z9vzDPYn+lTxf6lP8AdFU9V/1MP/XX/wBlagCD+0Lr/pj/AN8H/Gj+0Lr/AKY/98H/ABqtWVa+JtLvbpIbSaWYSMVSdLaUwOfQTbfLPTHDdeOtAG9/aF1/0x/74P8AjR/aF1/0x/74P+NVulRWl3Df2UN3aP5kE6CSN8EblIyDg80AXv7Quv8Apj/3wf8AGj+0Lr/pj/3wf8ar0UAWP7Quv+mP/fB/xo/tC6/6Y/8AfB/xqvRQBY/tC6/6Y/8AfB/xpqaldOit+5GRn7h/xqGmQ/6lP90fyoAt/wBoXX/TH/vg/wCNH9oXX/TH/vg/41nWt/bXr3CW0m9rWUwzDaQUcAHHPswOenNLY31vqVlHd2UnmwSglHAIDDOMjPbjr3oA0P7Quv8Apj/3wf8AGj+0Lr/pj/3wf8aoWt3BexNJbPvRZHiJwRhkYqw59CCKnoAsf2hdf9Mf++D/AI0f2hdf9Mf++D/jVeigCx/aF1/0x/74P+NH9oXX/TH/AL4P+NV6KALH9oXX/TH/AL4P+NH9oXX/AEx/74P+NV6KALH9oXX/AEx/74P+NNOpXW8L+55BP3D7e/vUNMP+uX/dP8xQBb/tC6/6Y/8AfB/xo/tC6/6Y/wDfB/xqjd3cNjavc3T+XFGMs2Ccc46CpqALH9oXX/TH/vg/40f2hdf9Mf8Avg/41Qe7gS+itGfE80byImDyqlQxz04Lr+dT0AWP7Quv+mP/AHwf8aP7Quv+mP8A3wf8aoLdwPfSWavmeKNZXTB4ViwU56dUb8qnoAsf2hdf9Mf++D/jR/aF1/0x/wC+D/jVeigCx/aF1/0x/wC+D/jR/aF1/wBMf++D/jVeigCx/aF1/wBMf++D/jR/aF1/0x/74P8AjVeigCZNSunRW/cjIz9w/wCNO/tC6/6Y/wDfB/xqpD/qU/3R/Kn0AWP7Quv+mP8A3wf8aP7Quv8Apj/3wf8AGq9FAFj+0Lr/AKY/98H/ABo/tC6/6Y/98H/Gq9FAFyC8upplj3Qrnv5Z/wDiqt7Lr/ntD/36P/xVZ9l/x+J+P8q1qAK5aeOaISPGyuxU7YyCPlJ9T6VYqGf/AF1t/wBdT/6A1TUAUYf+Q3ef9cYv5vUs3/H5F/1zf+a1FD/yG7z/AK4xfzepZv8Aj8i/65v/ADWgBaKKKAIrj7sf/XVP/QhTtV/5A95/1wf/ANBNNuPux/8AXVP/AEIU7Vf+QPef9cH/APQTQBZi/wBSn+6Kp6r/AKmH/rr/AOytVyL/AFKf7oqnqv8AqYf+uv8A7K1AHO+I7W5vfDGpW1jn7RNbSJGA2CWKnAz2z0qrpviXRbi2hs9NuoVuxHsTTyds0ZUY2tF95cY5yMD6Vu0UgOC0C/SebSWttWubrWJWb+1rSS5Z/KG1t4aEnbFtcKBgL2HOeaun3lmljpUHiHVZ9Lsl0W3ezKXjWyyyYPmHcpBdlGzCHP3s4Oa9Hop/1+YHI6THfalrNn/a9zeI8OmW87wJM0IaUu/zMqkc4HKng9xwMddRRTAKKKKQBTIf9Sn+6P5U+mQ/6lP90fyoA43xLJcaTrU8VgjB/EUK20bjpHcA7N5/7Ztu/wC2VUNS1KHTtetrHS5DbPY3VpZiF9TdGMZaNTttVBR0Kvje2DnPoK9EooWlv6/rqD1/r+vI4jT9Vh0i+tZtRvVs7CS51ONnmk2RGX7SCgJPGcB8Z98Vm3msXclhpD3F2E06d7tmnudTlsFZxKRGrTKpYfLuwhxnHfbivSaKOiH1bM7QDct4fsjfXMN3OYgWngfeknowbAzkY5wM1o0UU3qxBRRRSAKKKKACmH/XL/un+Yp9MP8Arl/3T/MUAZHi91j8JX7yMFRUBZmOABuHNZniDxTo1xpsa2eqWtykk4jaWDVfs8UR2sw8yaMlkB2nGOpwOma62ikB5pa6hBcnQpdd1SS0thHqETzreMoKrPGqK052vj5V+b5SxAB+8QS61S+W201bi8xo8klz5F3d6nLYiZQw8ndOiljlCxAJG8AMSa9Lopgcr4YNy2sOb65hu5zpNoWngfekn7yfDBsDORjnAzXVUUU27gFFFFIAooooAKKKKAGQ/wCpT/dH8qfTIf8AUp/uj+VPoAKKKKACiiigCey/4/E/H+Va1ZNl/wAfifj/ACrWoAhn/wBdbf8AXU/+gNU1Qz/662/66n/0BqmoAow/8hu8/wCuMX83qWb/AI/Iv+ub/wA1qKH/AJDd5/1xi/m9Szf8fkX/AFzf+a0ALRRRQBFcfdj/AOuqf+hCnar/AMge8/64P/6Cabcfdj/66p/6EKdqv/IHvP8Arg//AKCaALMX+pT/AHRVe9hS4NvHKu5Gl5GcfwtViL/Up/uio5/9dbf9dT/6A1AEH9j2P/PD/wAfb/Gj+x7H/nh/4+3+NXaKAKX9j2P/ADw/8fb/ABo/sex/54f+Pt/jV2igCl/Y9j/zw/8AH2/xo/sex/54f+Pt/jV2oftUWSBvOCQcRseR+FAEH9j2P/PD/wAfb/Gj+x7H/nh/4+3+NT/ao/ST/v03+FH2qP0k/wC/Tf4UAQf2PY/88P8Ax9v8aP7Hsf8Anh/4+3+NT/ao/ST/AL9N/hR9qj9JP+/Tf4UAQf2PY/8APD/x9v8AGj+x7H/nh/4+3+NT/ao/ST/v03+FH2qP0k/79N/hQBB/Y9j/AM8P/H2/xo/sex/54f8Aj7f41P8Aao/ST/v03+FH2qP0k/79N/hQBB/Y9j/zw/8AH2/xo/sex/54f+Pt/jU/2qP0k/79N/hR9qj9JP8Av03+FAEH9j2P/PD/AMfb/Gj+x7H/AJ4f+Pt/jU/2qP0k/wC/Tf4Ufao/ST/v03+FAEH9j2P/ADw/8fb/ABo/sex/54f+Pt/jU/2qP0k/79N/hR9qj9JP+/Tf4UAQf2PY/wDPD/x9v8aP7Hsf+eH/AI+3+NWFuY2kVBuDN03Iwz+YqWgCl/Y9j/zw/wDH2/xo/sex/wCeH/j7f41dooApf2PY/wDPD/x9v8aP7Hsf+eH/AI+3+NXaKAKX9j2P/PD/AMfb/Gj+x7H/AJ4f+Pt/jV2igCl/Y9j/AM8P/H2/xo/sex/54f8Aj7f41dooApf2PY/88P8Ax9v8aP7Hsf8Anh/4+3+NXaKAKX9j2P8Azw/8fb/Gj+x7H/nh/wCPt/jV2igCl/Y9j/zw/wDH2/xo/sex/wCeH/j7f41dooApf2PY/wDPD/x9v8aP7Hsf+eH/AI+3+NXaKAKX9j2P/PD/AMfb/Gj+x7H/AJ4f+Pt/jV2igCrDptpbyiSKLa69DuJ/rVK98RWtlr1ppbFXknO1yGP7on7gIA/iP0x16Vr1xt74Cl1C+mu7jV8yTOWb/Rzgewy/QdB7UAdZP/rrb/rqf/QGqaqUMMttb2ENxP8AaJI22tLtIL4RuTknn1561doAow/8hu8/64xfzepZv+PyL/rm/wDNaih/5Dd5/wBcYv5vUs3/AB+Rf9c3/mtAC0UUUARXH3Y/+uqf+hCnar/yB7z/AK4P/wCgmm3H3Y/+uqf+hCnar/yB7z/rg/8A6CaALMX+pT/dFRz/AOutv+up/wDQGqSL/Up/uio5/wDXW3/XU/8AoDUATUUUUAIGUsVDDcACRnkA/wD6qAysWCsCVODg9DXI+JPDurRaqde8JXBi1F1EU8LtlJV6A88ZHX8PXrqeF/Do8P2EgmuHur26fzbqd2J3v7Z7fqaANuqU+qWei6Lc6hqc3kWsEjmSTaW2gvjoAT1NXa5Xx3/yTbVv98f+jhSd+g1ub9x4h0u18Pf25PdqummJZRPtYgq2MHAGecjjGaS78R6VYaNBqt3diKyuAhilKN8wYZBxjI455HAznFedahZ3Ah1HwlJCw0/So7jUkck7WhKEwx++2Rm/79irlst1rw0LSrO1tryDT9FjluYri4aJd80flryEfkJv4x/FT31X9b/jpYXr/W1vzudpqfinS9HuFhv2u0Z3VEZLCeRHZuiqyoVJPoDmmy+LdKhuIoH+3GeaIzLAum3DSBA23cUEeVGR3A/WuSubqe48KeGYL4j7bY65b2dzg5+eNmXOe+QA341Z8QXNtbfFGB7zXf7EQ6QQJ/MhTefO+7mVWHvwM8Udfm/yuHT5frY6O78YaNY3Vxb3E1yJLVFe42WU7rCrDILsqELxzyRjmr0er2E2pJYRXKyXElv9qRVBIaLONwbpjPvXBXy6pc+IfGLaJNDLE9ta+bGEzJPGYjnypN21W27sEqwJxSRa7pdhrcWr6XJ5mn2vhctDk5JCygBD/tZG0+9F+/8AWjf6B6f1t/md7Y61p+o3t5aWVyJZ7Jwlwm0jYTn1HPQjIyMgjtUmm6naavp8d7p0vnW8hIV9pXOCQeCAeoNcLoVnqvh7UtDudVtraJL2N7S5miuWdpZZCZlZ1Mahfn3jqfv4q98NdZ0w+FLHTRqNob4PNm1E6+b/AKxz9zOenPTpTt/X9feK/U7aiiikMKKKKACiiigCtd/6+2/3z/6CadTbv/X23++f/QTTqACiiigAqnb6vpt3ey2dpqFrPdQ582CKdWePBwcqDkYPHNV/FEtzB4S1WWxz9oSzlaMr1B2Hke9cNc39/p/hUaPaLZTw3OgTXFq1hEyvAAozkljvDbvvALkg8Ur7+X/B/wAh228/+B/mehWWq6fqTSrp1/a3bQnEogmVyh9Dg8dD19Kt1xFiLb/hNvDh0kL5Q0R/MMeMeTlPLzj3zj8ak8T+IdS0LWLm1in3nUbNRpUbIvy3O8IVHHP30bnPQ9qpqzt6/hf/ACJTur+n42/zOzqKC6t7nzPs08c3lOY5PLcNscdVOOh9q4LW/Euoadep9g1C+uhaXttZ3W+C3W3LNtDKcgSFzndlPlGQOxqHT9TutN1CVbWbyo7rxbJbz5UEMhTO3JHGSB05pLV/13X+Y3ov67P/ACPSKK89vfFerfabm0tJZZBJrxsElt0h3xRrEr7EL4TcWyMvnv1OKLnVvFVrpa3GpNc29taNcG6ktPsr3flrgxuyktHjGQwXnIGKV9L/ANbJ/qPrb+u36HoVFRWkomsoJVk80PGrCTbt35HXHbPpUtU1Z2JTurkc9xDax+ZczRwpkDdIwUZ9MmlknihhM00iRxKMl2YBQPXNR332U2E39obPs2w+b5n3cVxFpuM1oNV+0/2B5x+yGbHJ/h8zvtz0z+NIZ3kciSxq8Tq6MMhlOQR9adSLjaNuNuOMdMUtABRRRQAV80V9L180UAe1+A/+RI0X/rrL/wChS11lcn4D/wCRI0X/AK6y/wDoUtdZQBRh/wCQ3ef9cYv5vUs3/H5F/wBc3/mtRQ/8hu8/64xfzepZv+PyL/rm/wDNaAFooooAiuPux/8AXVP/AEIU7Vf+QPef9cH/APQTTbj7sf8A11T/ANCFO1X/AJA95/1wf/0E0AWYv9Sn+6Kjn/11t/11P/oDVJF/qU/3RUc/+utv+up/9AagCaiiigAooooAKgtbu3ijdJJkVhK/BP8AtGp6KAE+32n/AD8R/wDfVH2+0/5+I/8AvqlooAT7faf8/Ef/AH1R9vtP+fiP/vqlooAT7faf8/Ef/fVH2+0/5+I/++qWigBPt9p/z8R/99Ufb7T/AJ+I/wDvqlooAT7faf8APxH/AN9Ufb7T/n4j/wC+qWigBPt9p/z8R/8AfVH2+0/5+I/++qWigBPt9p/z8R/99Ufb7T/n4j/76paKAIJrmGa4thFKrkOSQpz/AAmp6KKACiiigAqpZaTp2mvK+nafa2jTHMrQQqhkPP3sDnqevrVuigCrY6Vp+meZ/ZthbWfmndJ9nhWPefU4HPWpJ7K1upoZbm2hmkt23wvJGGMbeqk9D7ipqKAKE2g6Rc3rXlxpVjLdNgtPJbIznGMfMRnjAx9BT5dH02e2mt59OtJIJ5PNmieBSsj/AN5gRgngcn0q5RQBR/sPSRYyWQ0uy+ySEF4Ps6eWxAABK4wcAD8hUTeGtCeGCJ9F09o7fPkobVCIsnJ2jHGTzxWnRQAUUUUARz28N1H5dzDHMmQdsihhn1waWSGKaEwzRJJEwwUZQVI9MU+igBscaRRqkSKiKMBVGAB9KdRRQAUUUUAFfNFfS9fNFAHtfgP/AJEjRf8ArrL/AOhS11lcn4D/AORI0X/rrL/6FLXWUAUYf+Q3ef8AXGL+b1LN/wAfkX/XN/5rUUP/ACG7z/rjF/N6lm/4/Iv+ub/zWgBaKKKAIrj7sf8A11T/ANCFO1X/AJA95/1wf/0E024+7H/11T/0IU7Vf+QPef8AXB//AEE0AWYv9Sn+6KhumKyW5VGc+aflXGT8jetTRf6lP90VHP8A662/66n/ANAagBkl48eN1ncnP9xQ38jTP7QP/Pjef9+f/r1oR96fQBmf2gf+fG8/78//AF6P7QP/AD43n/fn/wCvWnRQBmf2gf8AnxvP+/P/ANej+0D/AM+N5/35/wDr1p0UAZn9oH/nxvP+/P8A9ej+0D/z43n/AH5/+vWnRQBmf2gf+fG8/wC/P/16Q6lt62V4Occxf/XrUqG5+4n/AF0X+YoApf2gf+fG8/78/wD16P7QP/Pjef8Afn/69adFAGZ/aB/58bz/AL8//Xo/tA/8+N5/35/+vWnRQBmf2gf+fG8/78//AF6P7QP/AD43n/fn/wCvWnRQBmf2gf8AnxvP+/P/ANej+0D/AM+N5/35/wDr1p0UAZn9oH/nxvP+/P8A9ej+0D/z43n/AH5/+vWnRQBmf2gf+fG8/wC/P/16P7QP/Pjef9+f/r1p0UAZY1LOcWV4cHB/ddP1pf7QP/Pjef8Afn/69XYPvz/9dP6CpqAMz+0D/wA+N5/35/8Ar0f2gf8AnxvP+/P/ANetOigDM/tA/wDPjef9+f8A69H9oH/nxvP+/P8A9etOigDM/tA/8+N5/wB+f/r0f2gf+fG8/wC/P/1606KAMz+0D/z43n/fn/69H9oH/nxvP+/P/wBetOigDM/tA/8APjef9+f/AK9H9oH/AJ8bz/vz/wDXrTooAyzqW3rZXg5xzF/9el/tA/8APjef9+f/AK9Xbn7if9dF/mKmoAzP7QP/AD43n/fn/wCvR/aB/wCfG8/78/8A1606KAMz+0D/AM+N5/35/wDr0f2gf+fG8/78/wD1606KAM+G8MsoQ2tzHn+J48AfjXgP9hav/wBAq9/8B3/wr6Mf7hrnaAKngmCa28HaPDcxPDKssu5JFKsOZD0NdRVGH/U2f/XVv/QXq9QBRh/5Dd5/1xi/m9Szf8fkX/XN/wCa1FD/AMhu8/64xfzepZv+PyL/AK5v/NaAFooooAiuPux/9dU/9CFO1X/kD3n/AFwf/wBBNNuPux/9dU/9CFO1X/kD3n/XB/8A0E0AWYv9Sn+6Kjn/ANdbf9dT/wCgNUkX+pT/AHRUc/8Arrb/AK6n/wBAagC1H3p9Mj70+gAqK6/49ZPpUtRXX/HrJ9Kzq/w5ejE9jGooor5gwNWw/wCPUfU1ZqtYf8eo+pqzX0mH/gx9DeOwVDc/cT/rov8AMVNUNz9xP+ui/wAxW4yaiimSp5sLx527lK5HbNJ7DW5kReJEupj/AGfpmoXloshja9hRBECDhiAzh3APdVIPbNbVcx4f1I6TpNnot9pt/HeWiJbYis3eKXAADrKo2BT1+ZgRznFc9b2dvci4Fnply2tnWZmt7427ssSC5YsRNjaiYDgpkZJPB3c11shdL/11PSKKKKQBRRRQAUUUUAFFFFAEMH35/wDrp/QVNUMH35/+un9BU1AFDVNXg0pYRJHNPcXD7ILaBN0krYyQOgAA6sxAHcipNPvpL2NzPp91YOjYMdzsJI9QUZlI/HNZesrNY+IbDWRazXdvDDLbTLBGZJIg7IRIEHLD5MEKCec4ODWZ4lvrTVY9HeSxv5LRdSxJG9rJG8i+RKWHlkB2XHUbfmGQAelHQP6/A7Kiue8KWywf2i9laSWOly3AaztpITDtAUByIyAUUsCQCB3OOa6GgAooooAKKKKACiiigCG5+4n/AF0X+Yqaobn7if8AXRf5ipqACiiigAooooAa/wBw1ztdE/3DXO0AX4f9TZ/9dW/9Ber1UYf9TZ/9dW/9Ber1AFGH/kN3n/XGL+b1LN/x+Rf9c3/mtRQ/8hu8/wCuMX83qWb/AI/Iv+ub/wA1oAWiiigCK4+7H/11T/0IU7Vf+QPef9cH/wDQTTbj7sf/AF1T/wBCFO1X/kD3n/XB/wD0E0AWYv8AUp/uio5/9dbf9dT/AOgNUkX+pT/dFRz/AOutv+up/wDQGoAtR96fVC6muIdv2fZznO81B9sv/SH8z/hQBrUVk/bL/wBIfzP+FH2y/wDSH8z/AIUAa1FZP2y/9IfzP+FH2y/9IfzP+FAGtRWT9sv/AEh/M/4UfbL/ANIfzP8AhQBrVDc/cT/rov8AMVn/AGy/9IfzP+FMku71lG4Q/eBGGPXP0oA2aKyftl/6Q/mf8KPtl/6Q/mf8KANaobW0gsomjtk2I0jykZJyzsWY8+pJNZ/2y/8ASH8z/hR9sv8A0h/M/wCFAGtRWT9sv/SH8z/hR9sv/SH8z/hQBrUVk/bL/wBIfzP+FH2y/wDSH8z/AIUAa1FZP2y/9IfzP+FH2y/9IfzP+FAGtRWT9sv/AEh/M/4UfbL/ANIfzP8AhQBoQffn/wCun9BU1YyXd6rPtEPLZPzHrge1P+2X/pD+Z/woA1qhntILmW3knTc9tJ5sRyRtbay5468MRz61n/bL/wBIfzP+FH2y/wDSH8z/AIUAa1FZP2y/9IfzP+FH2y/9IfzP+FAGtRWT9sv/AEh/M/4UfbL/ANIfzP8AhQBrUVk/bL/0h/M/4UfbL/0h/M/4UAa1FZP2y/8ASH8z/hR9sv8A0h/M/wCFAGhc/cT/AK6L/MVNWNJd3rAbhDgMCPmPXP0p/wBtv/7sH/fR/wAKANaisn7bf/3YP++j/hR9tv8A+7B/30f8KANaisn7bf8A92D/AL6P+FH22/8A7sH/AH0f8KANR/uGudrSguruSZVmWIIeu0nP8qzaAL8P+ps/+urf+gvV6qMP+ps/+urf+gvV6gCjD/yG7z/rjF/N6lm/4/Iv+ub/AM1qKH/kN3n/AFxi/m9Szf8AH5F/1zf+a0ALRRRQBFcfdj/66p/6EKdqv/IHvP8Arg//AKCabcfdj/66p/6EKdqv/IHvP+uD/wDoJoAsxf6lP90VHP8A662/66n/ANAapIv9Sn+6Kjn/ANdbf9dT/wCgNQA26/g/Gq9WLr+D8ar0AFQ3d3BYWcl1dv5cMQ3O2CcD6DmpqxvF3/Io6j/1xP8AMVdOKlNRfViexX/4Tvw3/wBBH/yBJ/8AE0f8J34b/wCgj/5Ak/8Aia8cor3v7Mo93+H+Rlzs9607U7TVrMXWny+dCWKhtpXkexANWq5b4df8iin/AF2f+ddTXh1oKnUlBdDVaoKa/Qf7w/nTqa/Qf7w/nWQx1FFIzBELMcKoyT6UALRXPWt/r+p6euqWK2EdvKPMgs5o3MkkfUbpQwCFh/sMBkdaWLXrnWZLeHQViiMlslzNPdIXEIbIVNikbmJDfxADHfpQB0FFYs2tTaVdafZaohuJ7uRk860tpdgABIO0BsHjBG7jk5xTbDxPazXT2t3Jsn+2SWybIX8vKsQqs+CocgA4JBORgcigDcooooAKKKKACiiigBqdW/3v6U6mp1b/AHv6U6gAorK1XUbqO+tdN0tIjd3KtIZZwSkMakBmKjBY5YADI+vFVZNcutFnli8QGCVBbSXMVxaxMgYJjchQsxDcgg7jn2xyAb9FZFnJrriO7vjYwwMNz2aQu8kYx08zdhmHoE9veqK+MIpdPtL0RSQRS3rW0omgkBwA+NgKgsxKjgA8nb1oA6Wiq1hqNtqduZ7N2ZFcoweNkZGHUMrAEH2IqzQAUUUUAFFFFADX6D/eH86dTX6D/eH86dQAUUUUAFFFFAEkH+uX/Pas6tGD/XL/AJ7VnUAX4f8AU2f/AF1b/wBBer1UYf8AU2f/AF1b/wBBer1AFGH/AJDd5/1xi/m9Szf8fkX/AFzf+a1FD/yG7z/rjF/N6lm/4/Iv+ub/AM1oAWiiigCK4+7H/wBdU/8AQhTtV/5A95/1wf8A9BNNuPux/wDXVP8A0IU7Vf8AkD3n/XB//QTQBZi/1Kf7oqOf/XW3/XU/+gNUkX+pT/dFRz/662/66n/0BqAG3X8H41XqxdfwfjVegArN8RWk9/4dvbW0TzJpY9qLkDJ+p4rSoqoycZKS6AeOf8IJ4k/6B3/keP8A+Ko/4QTxJ/0Dv/I8f/xVex0V6X9p1uy/H/MjkRgeDNMu9J8Opa6hF5UwkZiu4NwfcEit+iivOqTdSbm+pS0Cmv0H+8P506mv0H+8P51Ax1Iyh0KsMqwwR60tFG4HP21lr+naeul2JsJLeJfKgvJpHEkadBmIKQ5UcffXOO1JDoV3oslvLoJgm22yW08F25QShMlXDqrYbLHI2kHPbFdDRQBj3FrqlxJpt20Vn9otp2eSETMECMjLw+zLEZz90Z6cdajOi3B05rffFvOpC7zk42eeJMdOuP171uUUdbh0sFFFFABRRRQAUUUUANTq3+9/SnU1Orf739KdQBl6np9099balpjRfa7dWjMU5ISaNiCVLAEqcqCDg9MY5qnNod1rcs0uveRCptpLaK3tZDIED43OXZVy3AwNuBjvnjoKKAMqx/t6N4oL9NPkiTh7uOVw8gHQ+VtwpPH8Zx79Kq2ujX0cVpDN9nCWmoSXCukjEyRt5h5G0YbLjjJHHWt+igOlijp9lJaXWoySFSt1c+am0ngeWi8++VNXqKKACiiigAooooAa/Qf7w/nTqa/Qf7w/nTqACiiigAooooAkg/1y/wCe1Z1aMH+uX/Pas6gC/D/qbP8A66t/6C9Xqow/6mz/AOurf+gvV6gCjD/yG7z/AK4xfzepZv8Aj8i/65v/ADWoof8AkN3n/XGL+b1LN/x+Rf8AXN/5rQAtFFFAEVx92P8A66p/6EKdqv8AyB7z/rg//oJptx92P/rqn/oQp2q/8ge8/wCuD/8AoJoAsxf6lP8AdFRz/wCutv8Arqf/AEBqki/1Kf7oqOf/AF1t/wBdT/6A1ADprRbrG6SRNv8AcI5/MVH/AGRH/wA/M/5r/hVyPvT6AKH9kR/8/M/5r/hR/ZEf/PzP+a/4VfrP17VP7E0G71LyfP8As0e/y923d7ZwcflSbsrjScnZC/2RH/z8z/mv+FH9kR/8/M/5r/hXnH/C7f8AqX//ACd/+10f8Lt/6l//AMnf/tdZe2p9zr+pYj+X8Uej/wBkR/8APzP+a/4Uf2RH/wA/M/5r/hVPwn4i/wCEo0FdS+y/Zd0jJ5fmb+nfOB/KtutU01dHLKLjJxe6KH9kR/8APzP+a/4VHNpaIqkXE5y6jkr3P0rTqG5+4n/XRf5imSVv7Ij/AOfmf81/wo/siP8A5+Z/zX/Cr9FAFD+yI/8An5n/ADX/AAo/siP/AJ+Z/wA1/wAKv0UAUP7Ij/5+Z/zX/Cj+yI/+fmf81/wq/RQBQ/siP/n5n/Nf8KP7Ij/5+Z/zX/Cr9FAFD+yI/wDn5n/Nf8KP7Ij/AOfmf81/wq/RQBQ/siP/AJ+Z/wA1/wAKP7Ij/wCfmf8ANf8ACr9FAGZFpaO0gNxP8r4GCvoPb3qT+yI/+fmf81/wqzB9+f8A66f0FTUAUP7Ij/5+Z/zX/Cj+yI/+fmf81/wq/RQBQ/siP/n5n/Nf8KP7Ij/5+Z/zX/Cr9FAFD+yI/wDn5n/Nf8KP7Ij/AOfmf81/wq/RQBQ/siP/AJ+Z/wA1/wAKP7Ij/wCfmf8ANf8ACr9FAFD+yI/+fmf81/wo/siP/n5n/Nf8Kv0UAZk2loiqRcTnLqOSvc/SpP7JT/n5uPzX/CrNz9xP+ui/zFTUAUP7JT/n5uPzX/Cj+yU/5+bj81/wq/RQBQ/slP8An5uPzX/Cj+yU/wCfm4/Nf8Kv0UAUo9OWCQSCeZivZiMH9KyK6J/uGudoAvw/6mz/AOurf+gvV6qMP+ps/wDrq3/oL1eoAow/8hu8/wCuMX83qWb/AI/Iv+ub/wA1qKH/AJDd5/1xi/m9Szf8fkX/AFzf+a0ALRRRQBFcfdj/AOuqf+hCnar/AMge8/64P/6Cabcfdj/66p/6EKdqv/IHvP8Arg//AKCaALMX+pT/AHRUc/8Arrb/AK6n/wBAapIv9Sn+6Kjn/wBdbf8AXU/+gNQBaj70+mR96fQAVz/jv/kRNW/69z/MV0FZ+vaX/beg3em+d5H2mPZ5m3dt98ZGfzqZK8Wi6bUZpvufMlFeq/8ACkv+pg/8kv8A7ZR/wpL/AKmD/wAkv/tlcHsanY+g+u4f+b8GdD8Jv+REj/6+JP512tYnhPw7/wAIvoK6b9q+1bZGfzPL2de2Mn+dbdd0E1FJng1pKVSUls2FQ3P3E/66L/MVNUNz9xP+ui/zFWZE1BOATRSHlT9KUr20A5rTvFV5dw6Xd3mkraWOqbUhk+1b5EdlLDcm0AKcHBDE8rkDJxX8Oa/frp2jpqtpi3vIisd211vlZ1Qtl0xwCFYghieBkDPE3hvwq9lpmk/2ldXcj2UClLKV0aKCXZhiCq7mIy2MswGeO2NSHQLSG1023DSsmnEmLcQd+UZPm454Y9MVUtL2DqULDxNfXdxpjS6THFY6qzfZphdbnC7GdS6bBgkKOAzYycnjno64zSNCvF1rTj5OqW+n6Y0jQx6hPAwQFCipGIiWIw3WQ5AUAdTXZ0adA6hRRRSAKKKKACiiigCGD78//XT+gqaoYPvz/wDXT+gqagDI1XV7u01Wz07T9PW7nu4pZA0k/lJHsKfeO1jg7+wJzjjBJGQdf1G91XTfsNn/AKTi7guLSS62RJJGyAlnCkkddpCk/MOBk40dX0e51HxFp1zBcXFmlvbXCm5t2TcjM0WBtcMCCFbqpxjscVYsfD1pYSWskUkzyWyygvIwJlaQgu78csSueMDnpjGBbagyjF4nuryKxh0/TY31C5WVpYJ7ny44RE2x/nCMT85AGF5HPFaeiam+r6Ut3LbG1cySRtCXD7Sjsh5HB+7WPqeiGxW1k0qLV3uYpJ2E9hJbB1WV97KwmIUqWIxwSNo59dPwzpsuk+H4LS5/1wZ5HAcvtLuz43H72N2M98ULYGatFFFABRRRQAUUUUAQ3P3E/wCui/zFTVDc/cT/AK6L/MVNQAUUUUAFFFFADX+4a52uif7hrnaAL8P+ps/+urf+gvV6qMP+ps/+urf+gvV6gCjD/wAhu8/64xfzepZv+PyL/rm/81qKH/kN3n/XGL+b1LN/x+Rf9c3/AJrQAtFFFAEVx92P/rqn/oQp2q/8ge8/64P/AOgmm3H3Y/8Arqn/AKEKdqv/ACB7z/rg/wD6CaALMX+pT/dFRz/662/66n/0Bqki/wBSn+6Kjn/11t/11P8A6A1AE3nRxf6xwuemaX7Zb/8APZfzqpexpJs8xFbGcbhnFVfs0H/PGP8A74FAGr9st/8Ansv50fbLf/nsv51lfZoP+eMf/fAo+zQf88Y/++BQBq/bLf8A57L+dH2y3/57L+dZX2aD/njH/wB8Cj7NB/zxj/74FAGr9st/+ey/nR9st/8Ansv51lfZoP8AnjH/AN8Cj7NB/wA8Y/8AvgUAav2y3/57L+dRT3UDIu2VTh1PX3rP+zQf88Y/++BTXt4QBiGPqP4RQBr/AGy3/wCey/nR9st/+ey/nWV9mg/54x/98Cj7NB/zxj/74FAGr9st/wDnsv50fbLf/nsv51lfZoP+eMf/AHwKPs0H/PGP/vgUAav2y3/57L+dH2y3/wCey/nWV9mg/wCeMf8A3wKPs0H/ADxj/wC+BQBq/bLf/nsv50fbLf8A57L+dZX2aD/njH/3wKPs0H/PGP8A74FAGr9st/8Ansv50fbLf/nsv51lfZoP+eMf/fAo+zQf88Y/++BQBq/bLf8A57L+dH2y3/57L+dZX2aD/njH/wB8Cj7NB/zxj/74FAGhDdQK8uZVGXyOevAqX7Zb/wDPZfzrIW3hy37mPr/dFO+zQf8APGP/AL4FAGr9st/+ey/nR9st/wDnsv51lfZoP+eMf/fAo+zQf88Y/wDvgUAav2y3/wCey/nR9st/+ey/nWV9mg/54x/98Cj7NB/zxj/74FAGr9st/wDnsv50fbLf/nsv51lfZoP+eMf/AHwKPs0H/PGP/vgUAav2y3/57L+dH2y3/wCey/nWV9mg/wCeMf8A3wKPs0H/ADxj/wC+BQBq/bLf/nsv50fbLf8A57L+dZX2aD/njH/3wKPs0H/PGP8A74FAGhPdQMqhZVPzqevvUv2u3/57J+dZD28IAxDH1H8Ip32aD/njH/3wKANX7Xb/APPZPzo+12//AD2T86yvs0H/ADxj/wC+BR9mg/54x/8AfAoA1ftdv/z2T86Ptdv/AM9k/Osr7NB/zxj/AO+BR9mg/wCeMf8A3wKANU3EL/Kkisx6AGsGr1tBElwrJEikZwQoHaqNAF+H/U2f/XVv/QXq9VGH/U2f/XVv/QXq9QBRh/5Dd5/1xi/m9Szf8fkX/XN/5rUUP/IbvP8ArjF/N6lm/wCPyL/rm/8ANaAFooooA//Z)

# Part E: Raster Calculator

*Summary: Explore the raster calculator, which takes advantage of the structure of the data embedded in a raster (numbers, arranged in a grid) to perform mathematical functions.*

[*GTCM*](https://www.careeronestop.org/competencymodel/competency-models/geospatial-technology.aspx)*: 5.2.19.3, 4.1.11.2, 4.1.6.7, 4.1.5, 2.3.5, 2.3.1, 2.4.2.2*

[Link to Video Walkthrough](https://youtu.be/8Yr-jgZzGSc)

1. Back to our original goal:[[22]](#footnote-22) to classify Mu and MuG parent material as suitable habitat. There are multiple ways to do this through spatial analyst. The first you’ve learned already. You could use the Reclassify tool to set every material to ‘0’ except for Mu and MuG. A more useful computational tool that you will learn to love[[23]](#footnote-23) in spatial analyst is Raster Calculator.
2. Open the attribute table for bedrock1 and notice that the grid has assigned a value for all of the parent materials, and the values for Mu and MuG are 6 and 13. Those values are important to notice because raster calculator doesn’t deal with text.[[24]](#footnote-24)
3. Open raster calculator via Toolboxes > Spatial Analyst Tools > Map Algebra > Raster Calculator.

Graphical user interface, application

Description automatically generated

1. Our aim is to create a grid where 1 = true and 0 = false. 1 (true) should be assigned to any pixel with the Value of 6 OR 13. In Raster calculator, this statement is written as:

(bedrock1’== 6)[[25]](#footnote-25) | (‘bedrock1 == 13)[[26]](#footnote-26)

1. Let’s break this equation down. We have the name of the raster – bedrock1. That’s the file we’re working with.
2. We use the double equals sign to check for an equivalency. In Python, the equals sign assigns a variable a value, and the double equals checks if something is equivalent.
3. So in this case, we’re saying ‘If value in file is equivalent to six’… for the first part of the equation.
4. Our good friend the bar is next. No, not that bar. The bar | ! The bar is a representation of the statement ‘or’.
5. The parentheticals are keeping our statements clear and separate. Syntactically, we want to be very clear[[27]](#footnote-27) what we’re asking in this statement.
6. The last part is the other value we’re interested in. So the whole statement reads:
   1. If value in file is equivalent to six or if value in file is equivalent to 13: Output True.
   2. Raster calculator is just that – a calculator – it outputs math and truth!
7. Remember, it’s usually better to click the operators rather than type them yourself – ArcGIS Pro doesn’t deal kindly with typos.

![Graphical user interface, text, application

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAeAB4AAD/4REERXhpZgAATU0AKgAAAAgABAE7AAIAAAATAAAISodpAAQAAAABAAAIXpydAAEAAAAmAAAQ1uocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFNvcGhpZSBBcmdldHNpbmdlcgAAAAWQAwACAAAAFAAAEKyQBAACAAAAFAAAEMCSkQACAAAAAzgzAACSkgACAAAAAzgzAADqHAAHAAAIDAAACKAAAAAAHOoAAAAIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAyMDIwOjAzOjMxIDA5OjUxOjU3ADIwMjA6MDM6MzEgMDk6NTE6NTcAAABTAG8AcABoAGkAZQAgAEEAcgBnAGUAdABzAGkAbgBnAGUAcgAAAP/hCyVodHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLjAvADw/eHBhY2tldCBiZWdpbj0n77u/JyBpZD0nVzVNME1wQ2VoaUh6cmVTek5UY3prYzlkJz8+DQo8eDp4bXBtZXRhIHhtbG5zOng9ImFkb2JlOm5zOm1ldGEvIj48cmRmOlJERiB4bWxuczpyZGY9Imh0dHA6Ly93d3cudzMub3JnLzE5OTkvMDIvMjItcmRmLXN5bnRheC1ucyMiPjxyZGY6RGVzY3JpcHRpb24gcmRmOmFib3V0PSJ1dWlkOmZhZjViZGQ1LWJhM2QtMTFkYS1hZDMxLWQzM2Q3NTE4MmYxYiIgeG1sbnM6ZGM9Imh0dHA6Ly9wdXJsLm9yZy9kYy9lbGVtZW50cy8xLjEvIi8+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczp4bXA9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8iPjx4bXA6Q3JlYXRlRGF0ZT4yMDIwLTAzLTMxVDA5OjUxOjU3LjgzNDwveG1wOkNyZWF0ZURhdGU+PC9yZGY6RGVzY3JpcHRpb24+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iPjxkYzpjcmVhdG9yPjxyZGY6U2VxIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpsaT5Tb3BoaWUgQXJnZXRzaW5nZXI8L3JkZjpsaT48L3JkZjpTZXE+DQoJCQk8L2RjOmNyZWF0b3I+PC9yZGY6RGVzY3JpcHRpb24+PC9yZGY6UkRGPjwveDp4bXBtZXRhPg0KICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICA8P3hwYWNrZXQgZW5kPSd3Jz8+/9sAQwAHBQUGBQQHBgUGCAcHCAoRCwoJCQoVDxAMERgVGhkYFRgXGx4nIRsdJR0XGCIuIiUoKSssKxogLzMvKjInKisq/9sAQwEHCAgKCQoUCwsUKhwYHCoqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioq/8AAEQgBzgGWAwEiAAIRAQMRAf/EAB8AAAEFAQEBAQEBAAAAAAAAAAABAgMEBQYHCAkKC//EALUQAAIBAwMCBAMFBQQEAAABfQECAwAEEQUSITFBBhNRYQcicRQygZGhCCNCscEVUtHwJDNicoIJChYXGBkaJSYnKCkqNDU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6g4SFhoeIiYqSk5SVlpeYmZqio6Slpqeoqaqys7S1tre4ubrCw8TFxsfIycrS09TV1tfY2drh4uPk5ebn6Onq8fLz9PX29/j5+v/EAB8BAAMBAQEBAQEBAQEAAAAAAAABAgMEBQYHCAkKC//EALURAAIBAgQEAwQHBQQEAAECdwABAgMRBAUhMQYSQVEHYXETIjKBCBRCkaGxwQkjM1LwFWJy0QoWJDThJfEXGBkaJicoKSo1Njc4OTpDREVGR0hJSlNUVVZXWFlaY2RlZmdoaWpzdHV2d3h5eoKDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uLj5OXm5+jp6vLz9PX29/j5+v/aAAwDAQACEQMRAD8A9/mcxwSOvVVJGfpXlP8Awumf/oCR/wDgSf8A4mvVLn/j0m/3G/lVUeFPD2B/xIdM/wDAOP8Awrrw1TDwv7eHN21sceJp4idvYT5e+lzzX/hdM/8A0BI//Ak//E0f8Lpn/wCgJH/4En/4mvSv+EU8Pf8AQB0z/wAA4/8ACj/hFPD3/QB0z/wDj/wrs9vl/wDz5f3v/M4/q+Y/8/l9y/yPNf8AhdM//QEj/wDAk/8AxNH/AAumf/oCR/8AgSf/AImvSv8AhFPD3/QB0z/wDj/wo/4RTw9/0AdM/wDAOP8Awo9vl/8Az5f3v/MPq+Y/8/l9y/yPNf8AhdM//QEj/wDAk/8AxNH/AAumf/oCR/8AgSf/AImvSv8AhFPD3/QB0z/wDj/wo/4RTw9/0AdM/wDAOP8Awo9vl/8Az5f3v/MPq+Y/8/l9y/yPNf8AhdM//QEj/wDAk/8AxNH/AAumf/oCR/8AgSf/AImvSv8AhFPD3/QB0z/wDj/wo/4RTw9/0AdM/wDAOP8Awo9vl/8Az5f3v/MPq+Y/8/l9y/yPNf8AhdM//QEj/wDAk/8AxNH/AAumf/oCR/8AgSf/AImvSv8AhFPD3/QB0z/wDj/wo/4RTw9/0AdM/wDAOP8Awo9vl/8Az5f3v/MPq+Y/8/l9y/yPNf8AhdM//QEj/wDAk/8AxNH/AAumf/oCR/8AgSf/AImvSv8AhFPD3/QB0z/wDj/wo/4RTw9/0AdM/wDAOP8Awo9vl/8Az5f3v/MPq+Y/8/l9y/yPNf8AhdM//QEj/wDAk/8AxNH/AAumf/oCR/8AgSf/AImvSv8AhFPD3/QB0z/wDj/wo/4RTw9/0AdM/wDAOP8Awo9vl/8Az5f3v/MPq+Y/8/l9y/yPNf8AhdM//QEj/wDAk/8AxNH/AAumf/oCR/8AgSf/AImvSv8AhFPD3/QB0z/wDj/wo/4RTw9/0AdM/wDAOP8Awo9vl/8Az5f3v/MPq+Y/8/l9y/yPNf8AhdM//QEj/wDAk/8AxNH/AAumf/oCR/8AgSf/AImvSv8AhFPD3/QB0z/wDj/wo/4RTw9/0AdM/wDAOP8Awo9vl/8Az5f3v/MPq+Y/8/l9y/yPNf8AhdM//QEj/wDAk/8AxNH/AAumf/oCR/8AgSf/AImvSv8AhFPD3/QB0z/wDj/wo/4RTw9/0AdM/wDAOP8Awo9vl/8Az5f3v/MPq+Y/8/l9y/yPNf8AhdM//QEj/wDAk/8AxNH/AAumf/oCR/8AgSf/AImvSv8AhFPD3/QB0z/wDj/wo/4RTw9/0AdM/wDAOP8Awo9vl/8Az5f3v/MPq+Y/8/l9y/yPNf8AhdM//QEj/wDAk/8AxNH/AAumf/oCR/8AgSf/AImvSv8AhFPD3/QB0z/wDj/wo/4RTw9/0AdM/wDAOP8Awo9vl/8Az5f3v/MPq+Y/8/l9y/yPNf8AhdM//QEj/wDAk/8AxNH/AAumf/oCR/8AgSf/AImvSv8AhFPD3/QB0z/wDj/wo/4RTw9/0AdM/wDAOP8Awo9vl/8Az5f3v/MPq+Y/8/l9y/yPNf8AhdM//QEj/wDAk/8AxNH/AAumf/oCR/8AgSf/AImvSv8AhFPD3/QB0z/wDj/wo/4RTw9/0AdM/wDAOP8Awo9vl/8Az5f3v/MPq+Y/8/l9y/yPNf8AhdM//QEj/wDAk/8AxNH/AAumf/oCR/8AgSf/AImvSv8AhFPD3/QB0z/wDj/wo/4RTw9/0AdM/wDAOP8Awo9vl/8Az5f3v/MPq+Y/8/l9y/yPNf8AhdM//QEj/wDAk/8AxNH/AAumf/oCR/8AgSf/AImvSv8AhFPD3/QB0z/wDj/wo/4RTw9/0AdM/wDAOP8Awo9vl/8Az5f3v/MPq+Y/8/l9y/yPNf8AhdM//QEj/wDAk/8AxNH/AAumf/oCR/8AgSf/AImvSv8AhFPD3/QB0z/wDj/wo/4RTw9/0AdM/wDAOP8Awo9vl/8Az5f3v/MPq+Y/8/l9y/yPNf8AhdM//QEj/wDAk/8AxNH/AAumf/oCR/8AgSf/AImvSv8AhFPD3/QB0z/wDj/wo/4RTw9/0AdM/wDAOP8Awo9vl/8Az5f3v/MPq+Y/8/l9y/yPNf8AhdM//QEj/wDAk/8AxNH/AAumf/oCR/8AgSf/AImvSv8AhFPD3/QB0z/wDj/wo/4RTw9/0AdM/wDAOP8Awo9vl/8Az5f3v/MPq+Y/8/l9y/yPNf8AhdM//QEj/wDAk/8AxNH/AAumf/oCR/8AgSf/AImvSv8AhFPD3/QB0z/wDj/wo/4RTw9/0AdM/wDAOP8Awo9vl/8Az5f3v/MPq+Y/8/l9y/yPNf8AhdM//QEj/wDAk/8AxNH/AAumf/oCR/8AgSf/AImvSv8AhFPD3/QB0z/wDj/wo/4RTw9/0AdM/wDAOP8Awo9vl/8Az5f3v/MPq+Y/8/l9y/yPNf8AhdM//QEj/wDAk/8AxNH/AAumf/oCR/8AgSf/AImvSv8AhFPD3/QB0z/wDj/wrEil8BTXdvbJpdgJLl/Lh3aUVEjZxgMY8Hn3o9vl/wDz5f3v/MPq+Y/8/l9y/wAjkP8AhdM//QEj/wDAk/8AxNH/AAumf/oCR/8AgSf/AImvSv8AhFPD3/QB0z/wDj/wqP8A4Rzwv9qNt/Y+keeE8wxfZYt23ON2MZxnjNHt8v8A+fL+9/5h9XzH/n8vuX+R5z/wumf/AKAkf/gSf/ia3vB3xFl8Va4dPfTktgsLSlxKWzggYxgetdR/wjnhf7ULb+x9I88p5gi+yxbtucbsYzjPGakTRNK026hm07TLO0lZipeC3VGI2k4yB04H5VlVrYKUGqdJp97v/M1pUcbGadSqmu1l/kaA60UDrRXmnpkNz/x6Tf7jfyqa5uUs7Ga5mOI4YzI59gMmobn/AI9Jv9xv5VLd2qX2nz2kufLniaNsejDB/nTVr6gYekWU+vabDqms3V2jXSCWK1trp4EgQ8qMxlSxxgksTz0wK0HltPDWks9zc3MsIkwnnO00jMzfLGpOWbk4AOT71kWEy2OhxaH4n0ye4+zxrEHjsXuobhF4VvkVsHAGQ2CD045rDTQbl/Chkg065jit9be+js4w0ErwBiPkXKlWxyBweB616Hs1OTUnaN9O1vL+vU81VHCCajedte97dfL+l0Oys9cjuL57O7tLjT7lYvOWO62fOgOCwKMw4OMjORkVVbxbB9ja/TTtQk0xeTfLGnl7O7hS3mFR6hOgyMjmqUWk6Xqn2j7FBqy3JtJYUub9roCLeMYAmPJPX5QenOOMsg1CeDweujvpN8dTjtBaCAWrmNm27QfNx5e3vkt09+Kj2dNvRa6abfPf89vuNFUn9qWmuu/bTb1+71Ne/wDEtnYX1jaeVPczX8bSWwt1DCTbjjJIxnPU8dSSBT7HX4bu7ubOa2uLK8tkEjW9wF3Mh6OpVmVhnjg8HriuZlSTw/4h8KW8sct19l06aGUwKXYALGCwUcsMjoBn2rTgW41bxVPqsdtcQWVvYtaxm4iaJp3ZgxIRgGwMAZIGSeOlEqMFC62s3f5tL7/+CEK1SU7Pe8Vb1Sb+67LmneKrPUdL/tRYLi304QmY3c4RUGOq4DFsjnoMccGkPiiKJIZ7zTb+0spnCJdzIgT5uFLKGLqCccsoxkZxWXFol5ffCWDSkiaG8NkgEUo2HepDbTnpkjHPrT9dvJfEXh2TSbPTr6K8vAsTrPavGkAyNzGQjYQMHG0nPGM0/ZUnNpLS9t9l3/rTQlVavs05PXlvtu+3/A3dzavdbitr8WNta3F/ebBI8FsFzGhzhmZ2VRkjgZyfSmS+II4vs0X2G8e+uQzJYqqeaqqcMzEtsA6clsHIxms5DLoPivUbm7tbme01COEx3FvA0xjZFKlGVAWHqDjHJ5qnqdsJ/E1prdzaar9guLM2zfZTNHNAwcspZIiH2sM8YODjIFTGlBtJrS1793bb7/n95cqs0m+t9uyvv92vb7mbJ8U2K6c1y8dwsq3ItDaFB53nHpHjOMngg5xg5zUk/iBLSw+0X9heWsjTLBFbuEaSZ2+6F2sV59yMYOcVkyaboR0eZm07VvJurlWaUpcvcCRF+WXBzKuMYBwO3GDmq9vE9xoU9v4iTVLywF2osLg28n2pVVcrIwRQ4IZSAxGTkZ4NV7Kk9Unv8+mi899N7E+1qrS62f66vy21XX5GnrN/ZT6E0uv6VeRQx3USiGQpuLl12MCjkEAkd+x4qzceJIYdbl0mCyvLu8jhWYpCqYKkkfeZgBjHcjrxmuaurfWLrwjdW8ovr2JNQt/sT3EJFw8KumS67QeCG5YAkcmt6ytp1+IGqXDQyLA9lAqSlDtYhnyAehIyKHThGDvra+l9Ps/56/8AAEqk5S0621t5y/y09b9SwnifTm0N9UcyxxRuYniZP3qyg7fL2jOWzxgZzUJ8Uxw39lZ32l6hZy30nlwecsZUnBJJKOwGMdDzz064586VqB06/njspne18RtfiArta4iUj7meD6j1xVrXdVXUNd8Nrb2l2kS6iC0txbvDhvLfChXAJ4ycgYGOvNUqFNuyV9+u2l1/XUUq9RLV2t+OrX5dvXY7OiiivOPRCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAwvFOv3vh2xF7b6V9vt1/1rLPsaP3I2nj3pPCviC98R2JvbjSvsFs3+qZp95k9wNowPet10WSNkkUMjDDKwyCPShEWONUjUIigBVUYAA7AUANlkMULyBGkKKW2IPmbA6D3rzVo7+W+8OW6aVeGbR5DPdJtXIR3+Uj5ufut+Vem1CtpAl9JdqmJ5Y1jd8nlVJIGOn8R/OgCauR8a+ULqwbTt/8AwkO7FkIMbiv8W/t5fXOf8a66o/s0H2r7T5Mf2jZ5fm7Bv25ztz1xnnFAHK+CvKN1ftqO/wD4SHdi9E+NwX+HZ28vpjH+FdNdf6y3/wCuh/8AQTUn2aD7V9p8mP7Rs8vzdg37c52564zzio7r/WW//XQ/+gmgBw60UDrRQBDc/wDHpN/uN/Krg6Cqdz/x6Tf7jfyq4OgoAKKKKACiiigDOuNJW48QWWqGYq1pFLEI9v3t+3nPbG2tGiiqcm0k+hKik211/wArfoFFFFSUFFFFABRRRQAUUUUAQ3cc8tuVtLgW8u5SHMYccHJBHHBHHBB561nro80+r2+oapeLcPaBvs8MMXlxozDBcgsxLYOBzgDPGTmtairjOUVZEShGTuwoooqCwooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACq91/rLf/AK6H/wBBNWKr3X+st/8Arof/AEE0AOHWigdaKAILv/jzl/3DV2qV3/x5y/7hq7QAUViXU11rGpzadY3D2tpbAC7uYx87OQCI0Pbg5LdRkAc1Q07TPDeq3V3FZ6fI/wBlfy3vTI3zv3CybtxI7n9aAOqorDtpbrRtTh0+9uHurO5ytrcS8ujgE+W5/iyASG68EHPFblABRRRQAUUUUAFFFFABRRRQAUUUUAFFFc0PGsP2Oe+OkakNPtpXimvAsRRNjlWbaJC5UEHoucc4oA6WimxyJLGskTB0cBlYHIIPQ06gAoqlq2qwaNYfa7pZGj8yOPEYBOXcKOpHdqu0AFFFFABRWXe69DbXxsbS1udRvVUPJb2gXMSnOCzOyquccAtk9geasadfyX0cpm0+6sHjfYY7oJluAcgozAjnHXqDQBcopk0nkwSSYzsUtjPXAqnoWp/21oNlqXk+T9rhWXy927ZkZxnAz+VAF+iiigAorN0HV/7b0+S68jyNlxNBt37s+W5TOcDrjOK0WYIpZugGTRsrh5C0VT0jU4dZ0i21G1WRYbmMSIJAAwB9cE1co2AKKKKACiiigAooooAKKKKACiiigAooooAKhuby1so995cw26f3pZAo/Wq+sag2m6cZYY/NuJHWKCMnAeRjhQT6ZOT7A1n/ANj22mafcalqCLqWoRwtJJcXCgkkKTtUdEX2H60Aa9te2t6hezuYbhR1aKQMP0oufvwf9dP/AGVq5zSbOHxH4ds9Zgij0zU5IyyXFou3ackYI/iXj7pz/WtTT9QfUbKB54xFcxTtDcRg5CyKrA49j1HsRQBoDrRQOtFAEF3/AMecv+4au1Su/wDjzl/3DV2gDmLa3ubrR/ENhZTiC/N3PhyORvwyH8VIGf8ACuV8L6J4kuNLaCw8SfYTayGKa0aAbonz39c9c967zUdMuGvV1LSZUhvVTy3SQZjuEzkK2OQRzhh0yevSqqXWoRXMk0fhXbdyAB51uIQr46ZbO4j/AIDQBWu7a8tdH0ax1G8+26gdRiPnbcFwshcnHsgIrqKytP0y4+3HUtXlSW8KFI44h+7t1JyQueSTxlj1wOAK1aACiiigAooooAKKKKACiiigAooooAK8uT+0U8FXrTzxHQ5NSuY75IIStxFCZ3DuHLFSB3GwHbnBzzXqNVLXSrKyspbS2gC28ryO8ZJYMXJLdc9STxSH/X5nP6sdMv8AUbTSLXRLXWZ4bUTRLduot4YScBiSGOTtwMIT7gGsXSdO1HVfBMtnaeRILHWJVNjJcMYZYUc/6Pv25KemVxwARjiur/4RHRhDaxxw3EX2WIwRPDeTRuIyc7C6uGZeOASQO1OTwro8NgLK1tpLWBZ2uFW1uJISrsCCQUYEDBIwDj2p9/663F0/rscXq0Wiah4PuEi8Pwabc2ep28dzZvDGfJkZ4g20rldrLgZGMjqK0NVsjL40ttCtNI06fTbXTzcxWE8pgt2dpCrNsWNwxHGARxuJ6mupXw7pa6TPpv2XdbXJLTB5GZ5WP8TOTuLcD5icjAweBTbjw1pl1DbRzx3DtaEmCf7XKJ0znP70Nvwc9N2OnoKP6/CwdP67nHazot/p/g2ezvDDawzavbNaw2c7SC1jaWPKqxVcYbcQAMDPFd7YabZaXbmDTbSG1iLbisKBQx9TjqeOp5qt/wAI/pp09bKSF5IRMs/72eR3aRWDKzOWLMQQOpPAA6cVpU+lv62X+Qdf67s5bwaVS+8RQTn/AE5dUkeYN94owBiP+7sxj6GtDxPeWVvpsVvqFk2ofbJ1gitFK/vn+8AdxA2/Lznj2PSp7/QNN1K7S6uYXS6RdguLeZ4Jdv8AdLxlWK+xOKiPhfSmsZLSSKeVJJluC8t3K8okUABhIWLqQFA4IqeiXp+AdW/U5nRoJNO8X6vYrY2emQvpaTtZ2ExeIPuZd+NibWIGDgc4HNVtNC32h+BtHu2b7BeWrPPGCQJzHECsbeqnJJXvtrsbLw1pWn3U11bW7faJ4vJmmkneR5Fzn5mZiSeep5xgdABTn8O6VJo1vpb2gNpa7fIXe26Ir91lfO5WH94HPvT6f15/5h1/rsv8jC8UaVYaTo9immWUFnE2sWcjpBGEXPmqM4HA6CrWryIfiN4dj3DeLe7Yr3xhOf0rS/4RzTG0u506aGS4tro5mFzcSTM5wADvdiwxtGMHjHFNtPDGlWeoxahFBK95ErKlxPcyzOFYAFdzsSRxwOgycYyaF/X3WD+vxOX0u8srfwa1vqFk2ofbNYuYIrRSv75/PdgDuIG35ec8ex6UmlackXi3VtJutK060s5tMjnk0+1k86AvvYBypjQBsAduwOa6t/DelSaabA2pFv55uQFldWSUsXLq4O5TknoR1x0pdP8ADumaXfSXtnbsLqWMRyTyTPI8ig5G5mJLH3POAB0AFK2lv62t+Y/T+tbnCafaQWnw+8MQ2cMdnHq1zbw6hPAoieVCGO1mGD8xAXOe5Het670+z8P+M9BGg2sNl9uaaG6gtkEaSxrGWDMo4JVsYb/aI71tx+GdJj0+5sRalrO6OZLeSZ3jXkn5FYkJyc/LjnHoKksNCsNNuWuLdJnnZNnnXNxJO6rnO0NIzEDPOBgGqvrf+vQm2lv69f67HPeA9IsvslzqUsEct5/aN2I5pFDNEvmsNqE/dB5Jx1ya7Kq1hp9rplu0FjF5UbSPKV3E5Z2LMeT3JNWaXRIfVsKKKKACiiigAooooAKKKKACiiigDF8THybaxvX/ANTZ3sc0x/upypY+w3Z/CsjxD4b1S4h1C9i8T3kdu0byC2VBsC7Sduc9O1dg6LJGySKGRgQykZBHpWD/AGTqenQNa6XNb3dgy7Ftb5mBjXGNqyAElcdiDj1oA5fwf4b1W78MafeQeJ7y0gZSwt0QFUAY8cn29K6bRGE63N7HzDealJLCf7yCMIGHsdhI+tMtdAvn0+LTbp7ew0yNdptLF3ZpB/daRsHHrgZPrW3LGkS2scShER9qqowAAjYFADx1ooHWigCC7/485f8AcNXapXf/AB5y/wC4au0AFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVBc/fg/66f+ytU9QXP34P+un/ALK1ACjrRQOtFAEF3/x5y/7hq7VK7/485f8AcNXaACiuN8c3qW2teHI7zUZbCwnuZVuXS8a2VlEeRudWXvjvUegaze2+lavcwyreaZDelbC71G7MaeTj5iZmDFkDZAb5ifXHIF1/rt/mD6f13/yO2oriF+IyyaP9rg05LmZdUXTWjtrsOjlujxybQGBGOoX8K0tc8TX2g6clxe2mlxP5TOyT6r5Qdhk7IyY8u2B3C9R1o2V/67h1sdLRXJp40nv9RsLTRdKW4a+00agjXFz5QQZxtbCNzz19fzqCw8fT3djpeoTaP9nsNQu1si5ut0kcpJX7gXDJuGM7ge+Kdtbf12/MV9L/ANbX/I7OiuI1T4l2VhNfGFbKaCwm8mZZNQWK4kIIDmKEg7wM92XJBx6mzBr2sTfEaSwRbY6X/ZyXKqZcEKXx5n+rzu7bM4757Ulr/XzG9DrqK4ZPifYST20kS2b2VxdC3XbfqbpcnaJDBt4Xd/tZwc47Veh8Zzy/23O2k7bHRZpY55hcZeTYu75E28n1BIAyOTzg6X/r+tQ62OrorF8N63ca9Zfa5ILJLd0Vo3tL77QMn7yN8i7WHGRz1raptWFe4UVxV7PbSeONTt9Tm1loo4Lcwx2D3mxCd+4kQcDOB19K07vxBqEV9qNppmkLdDTokkd5bvy/MBQttX5WJbjvgepFTfS7H1sdFRWJYeJ7e9uCrR+RA9hHfwSu3+siYfNkdivGeT94Vn2esxXWqw6hcaT5F62jvcqxuCSsW/IjIwBk8HPbpzTem/8AW/8AkC12/rb/ADOrormIPFd7LpNhePpCJJqhjWxtxdZZiyliZDswigAnI3HHYHinXXiufTrXURqOmqt9YxxzeRBceYk0bttBVyqnOQQQVHT3zTatoK50tFc//wAJHd215c2uqaYlvKlk97B5dz5gkVDhlY7RtYZXpuHPU1Ui8W6lIdL3aEq/2vGWs/8ATM7WCB8S/J8gxk5XeeOlL+v6+4Z1dFcrP42jsdNd9Rt4bW9W+Nj5Ul0Fh3hdwYysowm3Bztz2wTTYPHK3FkXtrWC8uVvo7NksrxZYyXGVZZMDI9cgEEH05P6+/8A4cP6/r7jrKK43W/FGsW+h61HFZ29nqmnJHIStz5kZjcHDqTHycqRtKjp1q9P4j1GLU4NKXT7E6i9v57RSagUVxkjbETFmQ4Uk8KBkc0AdJRQOnNFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRWVf3E9zf/AGC0lMKxqHuJV+8Aeij0JxnPp9a5mbykjuLxdKP2S3l2PM9w4nbnBcfn61006DmtWctTEKD0X9fid3UFz9+D/rp/7K1ULC5mt74WN1K0ySqXt5W+8QOqt6kZzmr9z9+D/rp/7K1YSi4uxvCSkrijrRQOtFSWQXf/AB5y/wC4au1Su/8Ajzl/3DV2gDJ1XQ/7T1nSL/7R5X9mzPL5ezPmbk24znjrnvUfiPw+2u/2fJDdJbz6fdLcxGWHzY2IBGGTcuevByCKTWv+Eq+2J/wjv9j/AGbyxu+3ebv35OcbOMYx+tZ3/Fw/+pZ/8mK2jRuk+Zd9znlX5W1yt9NiJfAcrK7XGrCSWTWI9VdhbbRlQPkA3cA469vfrVvVvCc99r1zqdlqUds13Y/YplltfNKpknKHcNp57gg+lQ/8XD/6ln/yYo/4uH/1LP8A5MVX1fS3Mvv8rfkL6zrfkl93nf8AMm0Xwf8A2RqWnXf27zvsWljTtnk7d/zBt+dxx06c/WoIPA3k+G9L0n+0c/2fqK33m+R/rMSM+zG7j72M5PTpS/8AFw/+pZ/8mKP+Lh/9Sz/5MU/Yu9+Zff53/MX1jS3JL7vK35FiDw3qOmXd+dE1eG2tb6c3Dwz2fmtFI33yjb1Az1wwYA/lVmbw/KfF6a5bXiIGtRaXFvLBvDoG3AqwYbT9QR7Vnf8AFw/+pZ/8mKP+Lh/9Sz/5MUvYf3l9/wAg+sf3JfcWdH8OaloUMdhYaxF/ZcUxeOGSz3TIhbcYxJvxjqMlCcH6Gp9N8Pz6VDrH2O/UT6jeSXccjQZEJYAYK7vmxj1Gfas//i4f/Us/+TFH/Fw/+pZ/8mKPYf3l9/8AXYPrH9yX3F3QvDJ0nWb/AFSee3a4vVVZEs7X7PFwSdxXcxZyWOWJrfrE0X/hKvtj/wDCRf2P9m8s7fsPm79+RjO/jGM/pW3WU48rte/obwlzrms16mFNoupx6/ealpepWkAu44keK5smlxs3YIKyp13elW4NJaK81K4ecM1+iKQI8BCqbc9TnPWtKis2k1Y0vZ3OYn8Fx3Gh6Rp5vCp0+FbaWURf8fEO0K8ZGflDbR3OMd60brQ/tOsS3wn2CSway8vZnGWzuzn9P1rWopvXf+riWmxhSeGidE0q0gvDFd6SIzb3Pl5BZU2HcmeVYEgjIPPB71FP4Xmvob6TUb9Jb68SKIyxW+yOOON9wVULE8knJLHr2xiuiop3bdxW0sZGp6D/AGjqf2v7T5f+gT2ezy8/6wqd2c9tvTvnrTU8P7ToR+05/shSv+r/ANb+68v1+XrnvWzRSWn9ev8AmN6/1/XY5658LNLLNc298Ybv+0BfW8vlbhE3liMqy5+ZSoIPIPPbFWZNIvbyG1/tLUIpZre8S5DQ2xjTCjGwKXYj1ySa2KKNv67f8MG5g6l4XXUptYeS6KDU7OO2wI+Yihchs555fpx096h1bw7qmt2H2HUNTsHt5ECyAaadysCfnjJlOxsEYJDYIz7V0lFACIuyNVyW2jGWOSaWiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDGT9x4hvUk4NyqSxn+8Au0j8MA/jVO/ifUNdhsppI/sccfmvEJBukYHjK9dtbl7YQ38arMGDIdySIcMh9Qay/+Efu/tf2j+018zZs837KPM2+mc4/SuynUju3Z2OKpTnsldXJH/f+IbJI+TbB5ZSP4QV2gfjk/lWlc/fg/wCun/srU2ysYbGNlh3Mznc8jtuZz6k065+/B/10/wDZWrnqSUnp0OmnFxTv1FHWigdaKzNCC7/485f9w1dqld/8ecv+4au0AFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVBc/fg/66f8AsrVPUFz9+D/rp/7K1ACjrRQOtFAEF3/x5y/7hq7VK7/485f9w1doAKiu7lLOzmuZQxSGNpGC9SAMnH5VLVHXP+Re1H/r1l/9ANTJ2i2VFXkkR6Zr1jqvh6PWoHZLR4jKxkADRhc7gwGcEYOfpUmi6tBrujwalaJIkM4JVZQAwwSOcEjt61xtraTI1poEcbmy1iOG8ZgMqiKq+eh9AxCf9/TUBuLP/hH9HsdRj0tIZZLuQXWrJ5kEbLKQFEeVDOdxx8wwAcZ6VctHp/Xf+vIiLuj0eivMbOWwbS/C39vyD7Ekt7G5nDJGFUsqq4YnCAADaxIHANdX4OEHlamdMAGkG8P2EJ/q9u1d5j/2PM34xx1xxR1aA0L/AF+z07WLHTbjzPOvSQjKAVT03HPG48D1NWf7Qi/tj+zdr+d5Hn7sDbt3bcdc5z7VxU8OseIV1u/0u0spoppBDZXEt2yOgt2JVlURsD+83H7wz7dakn1W41f7RqWjK/2qfw6zwrHncsm88D3DZH1FSnt/XRtfkVbW39bpM7uivPrL/hHT4j8Pt4VFsZjHN5pt+58k487H8ec/e+b73vVfwpbRz6hpk1xq+mR60js15BHZst9I21t6SsZSSuecldvC4xxVdbE30ud/pmoRarp0V7bq6xy52iQAEYJHYn0q1Xl+lf2M+j6WummM+JPt67SDm4VPOJfOeRF5e7/ZwfU1p+VZWGha7qcun291PJqM1u73B2qsTTAEMwBIjGdzDocHNStV/Xl/mP8Ar8/8jvaK4vwMYY9b1mCxnsZbQJbyIdOtzDbliHDFF3sD90AlTgkeoNZevQR3fiTV49c1PS9Pk+QWDX1o0kqx7Bh7dvNXDb933QWyBnsKfWwLY9Iorz7UFhXxMys/maJ9ogXV324R7vBCZ5xgny949dn+1VK8Ohm38RLNsbXvt8v9nqx/fiQ7fLMGeR8+MlfQ5o3f9eX+Yf1+Z6dRXDz2E0l54pvbSBZtZt4UFpJtDNHIbcZKehPt14FZ2l2emPb3E1n4j0y3B02Rbk6bZtFKoIH7yc+ax3qefmAbluetAdvM9JqIzOLsQ/Z5ChQsZ8rsBz93Gd2e/THvXnI/siTQzFnQLKC2vVIkGP7O1MiI4DdlPPP3sMo+9iromuZYZJtDsWsblvDpNtaryY23nAXpn24HbjtR1/rtcFr/AF52O+orhtOXQTq2jHwj9n+1Bm+3G3/1nk+W2ftHfdv2ff8Am3Z96qaJYWun2vhC+tYVS7up3imn/jkRopDtY9SoKrgHgYGKfUV9LnolFFFIYUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABUFz9+D/rp/7K1T1Bc/fg/wCun/srUAKOtFA60UAQXf8Ax5y/7hq7VK7/AOPOX/cNXaACiiorq5is7Sa6uX2QwxtJI2CdqgZJwOegpNpK7DclorB0jxpomuXkNrYzXSTXEJntxd2E9sJ0GMtGZUUPgMD8ueDmt6qs0F7lW40+K51G0vXZxJab9gBGDvGDnj2q1UVzcwWdtJcXc0cEESlpJZXCqgHck8AVL1pAFNkUvGyq7RlgQHXGV9xnI/OnUUAZdnonkX63l5qN5qM8aFIWufLAiB+9tEaKMnA5OTxxjJzqUUUAFFFFABRRRQAVVsNPi0/7R5LO32id533kHDN1A46cVaooAKKKKACiiigAooooAKKKznzNdXAuLpooYnCqqtszlQfvde9ZVKnIlpuNK5o0VkzXMFoONWKoTwCBKR+PJp2napHcXUkBuvPJIMZ8srkY57VisXT51Tejfmv87/gX7N2ualFFc7qHjvRNL1RdOvF1UXTsyxpHo15IJSoy2xliIfA5ypNdZmdFRTIZVngjlQOFkUMA6FGAIzypAIPsRkU+gAoqt/aNr/a39meb/pnkfaPL2n/V7tuc4x17ZzVmgAooooAKKKKACiiigAooooAKKKKACq11qNtZyKlxIVZhkAIzZH4CrNUNRsnmKz2zFZ41IGD1HpQAf23Yf89JP+/D/wCFH9uWA6yuPcwuP6VjC9nyQ0rqV6gnpVizhuNTyJZH+zg/Nk/epiOg61Bc/fg/66f+ytU44FQXP34P+un/ALK1IYo60UDrRQBBd/8AHnL/ALhq7VK7/wCPOX/cNXaACsvxP/yKOr/9eM3/AKLNalNlijnheKZFkjkUq6OMhgeCCO4qZx5ouPcqL5ZJnmXhlru2vfB//CVXNvNb/wBlB9IltYDCqzeSA8cgZ3LP5WSpBUHEmVyFqto+s3Z8WeG9QtZbmz0/X1uJFW+1uS5lni8ppA7WzAxQ4YKR5b8A7SOcD06TS7CW3toJbG2eG0ZHt42hUrCyfdKDGFI7EdKq2nhjQbC5e4sdE062neQyvLDaRozOQQWJAyThmGfRj61pJ8zb9fx/r8DOKtFL0PLdVtnTwH4m0vxDNqjatDpQvJbpdYmmtbxTuxNH848sE5zHtVegAYAGtnV4NWufGKeGNL8x7Gz0tLmBJ/Ed3ZzTM8jh5PNRJJJdmFGGbA3jIORju7Dw3oelWdxaaZo2n2dtdAieG3tUjSbIx8ygANxxzUVx4S8OXem2+n3fh/S57K1ybe2kso2jhz12qRhfwqX/AF+P9flbpXW/9dP8v+HOT0m31O98TWNvr2uTStZ6Hb3MjWN66W80/mOPNJXbvGByCArdxgAVa8Bm4stSudM1p7+XWFtY7ia4fUXurS8RmYCaEMf3WSDlAqAcAbgAa7GOws4pBJFawI4iEAZYwD5Y6Jn+6MnjpzUGlaDpGhRyR6HpVlpqStukWzt0hDn1IUDJpp2/H8W/+B/Vmk9vu/BL+v6d79FFFIYUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVyOvzH+0JoB93eHP/AHworrqK48Zhniqfs1K2vqaU58jvY88rd8Lw7rqaYj7ihR+P/wCqumorzsNlCoVVUc728v8Agms6/NG1grk/Ef8AyUTwd/v3n/oiusqKS0t5riG4mt4pJrfcYZGQFo9wwdp6jI4OK905jzK5uJr3wj4k8Ty6zqFtrWm3d1Hb28V9IsVs0UhWGEwAhH3gITvUlvN4P3caSqPEmt+Jv7d1bUNMbSDGkENrqMlstvEYFk89gjKHy5cZfcv7vAH3s9fP4d0W51iPVrnR7CbUoseXeyWqNMmOmHI3DGfWjUvDui6xcwXGr6PYX89v/qZbq1SVouc/KWBI5GeKXS39Lz9f6uN7/wBfd8jgrC71fVngunu49P1i78IIwuplCLFMz8ORjA+Yg4xx6V0fgWRUi1HT5YdSt76ymVLuG+1F75QxQENFK7ElGBBwdpHdVrornTbG8MpvLK3uDNCYJfNiVt8Z6ocjlfY8U3TdJ07RbMWmj2FrYWwYsIbWFYkBPU7VAGaq/wCv5t/qS9/67JfoW6KKKQwooooAKKKKACiiigAooooAKKKKAOf1xFW7kKqATbkn67hzW7AipAioAAFHArF12OVrr93BNKGgKAxxlgDu74rbj4jXPoKAHVBc/fg/66f+ytU9QXP34P8Arp/7K1ACjrRQOtFAEF3/AMecv+4au1Su/wDjzl/3DV2gAqpqcssViWgkMbmSNQ4AOMuoPXjoat1S1b/jwH/XaH/0YtAEn9m3X/QVuP8Av3H/APE0f2bdf9BW4/79x/8AxNZOqahcR6lKsMzIF4wDWa9zNI255WJ9c14NbOqdObgot2Z0xw7avc6j+zbr/oK3H/fuP/4mj+zbr/oK3H/fuP8A+JqK1vzB4blu2XzDbxO5UnG7aM4zUuma7p+qbI7e8tmu/JWWW1SdWkiBAPKjkdRyRXs0aiqwU11Sf3nPJcrsw/s26/6Ctx/37j/+Jo/s26/6Ctx/37j/APiami1fTZ9Rk0+HULWS9iGZLZJlMiD3XOR1H51RvvFGnWt3FaW11a3V211Hby28dwvmRbmC7ioyeMjg4rXt5iLH9m3X/QVuP+/cf/xNH9m3X/QVuP8Av3H/APE1Murac909sl/atPGrO8QmUsqqcMSM5AB4J7Gk0/V9N1ZXbStQtb1YyA5tp1k256Z2k4oAi/s26/6Ctx/37j/+Jo/s26/6Ctx/37j/APiaq3virTYbK4l0+7tNQltpI0lhguVLJukCfNjOME9x2q5e6xb2qTrCHvrm3KB7S0w8oLnC5XI2g9csQMAnNK+lwG/2bdf9BW4/79x//E0f2bdf9BW4/wC/cf8A8TS6Dqv9uaDZ6mITALqISeWW3bc9s96muNTsLO4jgu762gmkKqkcsyqzFiQoAJ5yQQPXBp9bAQf2bdf9BW4/79x//E0f2bdf9BW4/wC/cf8A8TUltrOmXt5LZ2eo2lxcw582CKdWdMHByoORg8c0601bTtQnmhsL+1upbc4mjhmV2jOcYYA8cg9fSgCH+zbr/oK3H/fuP/4mj+zbr/oK3H/fuP8A+JrRooAzv7Nuv+grcf8AfuP/AOJo/s26/wCgrcf9+4//AImtGigDO/s26/6Ctx/37j/+Jo/s26/6Ctx/37j/APia0aKAM7+zbr/oK3H/AH7j/wDiaP7Nuv8AoK3H/fuP/wCJrRooAzv7Nuv+grcf9+4//iaP7Nuv+grcf9+4/wD4mtGigDM0yWWWxDTyGRxJIpcgDOHYDpx0FNuvPl1K1tobl7dXjkZiiqScFcdQfU0aT/x4H/rtN/6ManP/AMh6z/64zfzSgB39m3X/AEFbj/v3H/8AE0f2bdf9BW4/79x//E0+/vZo7m3s7JUa4n3NukyVjRcZYgcnqABx161El/PaXjW2qNEcxNNHNChUMq43AqSSCMg9TmgB39m3X/QVuP8Av3H/APE0f2bdf9BW4/79x/8AxNSW2sWV3MkUExZpFLRkxsqyAddrEYb8DSxatZzXIgjlYuxKqxjYI5HUKxG0kYPAPY+lAEX9m3X/AEFbj/v3H/8AE0f2bdf9BW4/79x//E06PWrKW3aaJ5ZIwQNywSHcT2X5fmPqBnHeornXraG0juIllmV5xCQsT7kO4A5G3IIz0IBPagB/9m3X/QVuP+/cf/xNH9m3X/QVuP8Av3H/APE1JPrFnbttleTcEEjBYHYop6FsA7fxx0pz6pZx3EcBlLSSqHQRoz5U9GyARjjr0FAEP9m3X/QVuP8Av3H/APE0f2bdf9BW4/79x/8AxNT2mo218zC2Z2wM7jEyqw9VJADD3GatUAZ39m3X/QVuP+/cf/xNH9m3X/QVuP8Av3H/APE1o0UAZ39m3X/QVuP+/cf/AMTR/Zt1/wBBW4/79x//ABNaNFAGd/Zt1/0Fbj/v3H/8TR/Zt1/0Fbj/AL9x/wDxNaNFAGd/Zt1/0Fbj/v3H/wDE1Q0ucax9p+xaxcN9nlMTfJCc46MMA/Kex74NX9etb2+0ae005oklnGxnlYgBT97sc5HH45zxXN+G/Cut6Dqqz/abVrd/lniWRvnHY8r1HUflkZNAHQ6e0267inmaYwz7FdlAONinsAO5qW5+/B/10/8AZWqKy/4+9R/6+v8A2mlS3P34P+un/srUAKOtFA60UAQXf/HnL/uGrtUrv/jzl/3DV2gAqlq3/HgP+u0P/oxau1S1b/jwH/XaH/0YtAHOXUnnXUkn95iaiAJ6DNdedGsS2fIH0yasR2lvCuI4UA+ma+V/sStOTc5I7frEUtEc/ab5vC+q28as7+RIFRRkklCAAPwrM0+J72Pw1Z6fpd1p82mIXnkmtWiWAeSUKBiAHLOynCkj5STXbpEkZJRFUt1wMZp1fQ4Wi6FFU5O9v+Db8zlnLmldf1c8+8N6VKselWd/ca4t/p7s/kyWSLbpLtYM/nCIblbcTw5J3DPfCW8TnRPDmlHRr0X2nX8BuXNo4SMqxDyiQjawYknKk8Nk45r0Kiuq+t/R/cR0OIn0e7fwxq6Q2LvJLq73E0BQBrqEThmUbsAhkBA7Hp3p2rQ3XiO5uZ9At7q1ddJuLUzXNs9sXdypRAHAJxtY5xgbuvWu1oqbaW/raw763/re5xWpyrqvg1rHSNLvrO4hjt0VJNPdPIxKnyjIw+3GflJGB1rT8JxS2FjNpl7ayx30Dlp7ooxS9Y/8thIRgk91zlcY6AV0VFN638yUrKxh+Crea18E6VBdQyQzR26h45FKsp9CDyKT7I//AAnk16bZmVdMSOOUr8u7zGJUN0zjFaOoaPpmreX/AGrp1pe+XnZ9pgWTZnrjcDjoPyqWysLTTbYW+nWsFpApJEUEYRQT14HFD1d/UfSxwenjUr3WtCub2DUWkhab7VbjTxBb2haJhsQlAzAnjO9lJHbKitnwf58Ej2UMdw+l21ui2017ZNbTx8nMR3Bd4AAO4AehLHmuqoo6/wBf1/XqD1CiiigAooooAKKKKACiiigAooooAytJ/wCPA/8AXab/ANGNTn/5D1n/ANcZv5pTdJ/48D/12m/9GNTn/wCQ9Z/9cZv5pQA6/t50v7fULSPz3iVopIQwBZGIOVJ4yCB1xnnmql5DcXnn3tzA1tHBaypFG7KXYsOWO0kAcADk9+lblIyq6FXUMrDBBGQRSa0sNPW5g2sV3fwaWklobaK2QSNMXUhj5ZUBMHP8WeQOlN0rSmtvskF1Y3Re2P8Ar2vC0OQCAypv6n02jGTXQKqooVAFVRgADAApap73J6WMJbO/t9BsbeOOUFGAuY4JFWRl54ViQBzjkEHGcGoYtNvY9PuMWr7zfpcJE04d2QFP4mPXg9T+OMV0dFLrcZjot7Z3V46WMlyt2wlTEiAxnYF2vk9Bjqu7v+Jp2mTWNzHvUSLFYJBvyMMwJyPXHStiigDJ0aC6t5ZEMM1tZBFEcE8iuUbvtKknbjHBP0wK1qKKACiiigAooooAKKKKAMDxhcz2ujxPbTSQsZwC0bFSRtbjiuW0vVNQk1izSS+uWVp0DK0zEEbhx1rpfG//ACBIf+vhf/QWrkNI/wCQ3Y/9fEf/AKEK9bDRToNtdzxsVKSxCSfY76y/4+9R/wCvr/2mlS3P34P+un/srVFZf8feo/8AX1/7TSpbn78H/XT/ANlavJPZFHWigdaKAILv/jzl/wBw1dqld/8AHnL/ALhq7QAVS1b/AI8B/wBdof8A0YtXapat/wAeA/67Q/8AoxaAC81xLO7aFoi+0dQapP4ll3fu4E2/7Wc1m6jJ5uoTN2LnFVa+LxGaYn2klGVldnoRowsro7W1vUm08XUpWNQpZyTgKB1JNTo6SxrJGyujAMrKcgg9wa5yOTd4M1Ne628v/oBqjYXWpaPa+HZptSN7DfxiGS08pFVP3BcNGQN3GzB3M2d3avqsJV9rQjOXZfr/AJHFUjyysvP8LHZ0yWeKAIZ5UjDuEXewG5j0Az1J9K4rQtZ8R6j/AGfqr21+bO6BlnjkFqLeOIqSpj2t5u4fL97OeeBxiGSTUtQ0jw7rF3qjSpfX9rK1n5SCOMM25QhAD5HAO5mzzwO3XbW3ml95HRs76iuKfV9WhsNRvzqBZv7SbTrWFoU8qENOIxI2AGYrn+8AQOeeam1PVtQ8KTT+ffTavEdNnu0FxHGro8RXjMaqNrb+4JGOtT0v/W1/yHbW39djrJp4raIy3EqRRggF3YKAScDk+pIFPrjPEFtqFl4OnutQ1W41It9ndoRDGFDechPl7VBx2AYsenNXdIQeLNBku9YkW4tL1g66euAluEP+rcgBmbI+cNxkYxjOR6J+QlrqdHBPFcwrNbSpNE4yrxsGVh7EU+ue8BDHgHRgOB9mWuhqmrOwBRRRSAKKKKACiiigAooooAKKKKACiiigDK0n/jwP/Xab/wBGNTn/AOQ9Z/8AXGb+aU3Sf+PA/wDXab/0Y1Of/kPWf/XGb+aUAadFFFABRWA3jTQ017+zG1XTwRGSXN4nEgbb5eM/e9uvtW/R0uHWwUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBznjf/kCQ/8AXwv/AKC1chpH/Ibsf+viP/0IV1/jf/kCQ/8AXwv/AKC1chpH/Ibsf+viP/0IV7GF/gP5niYv/eV8jvrL/j71H/r6/wDaaVLc/fg/66f+ytUVl/x96j/19f8AtNKlufvwf9dP/ZWrxz2xR1ooHWigCC7/AOPOX/cNXapXf/HnL/uGrtABVLVv+PAf9dof/Ri1dqlq3/HgP+u0P/oxaAKD+HLkyH97Gc96ni8NJj99MSfRRWy08SOUaRVYdQTUD6pZRtte4UH8a8b+z8BTd5fizf2tV7ENto8UFvc28jGWG4TYynjgggjj61Fp/hjSdKuY57K3dXhjMcIe4kkWFTjIRWYhM4H3QK1I5FljDxtuVuhFOr1KNOFKCjT2MZNyepl2nhvTLC8FzaQyxMrs6xC5k8lGbOSsW7YpOT0UdT61CnhHRY7iOZbV8xT/AGiKM3Ehjik3btyRltqck/dA6n1raorURSOjae1jc2T2qSW107yTRSZYOzHLHn359u1R2WgadYGUxRSStMnlu91cSXDFP7mZGYheenStGigDHg8KaRb2zW8cExgYIBFJdyuqBWDKEDMQgBA4XA4FXbfS7S0vrm7tojHLdENNtkba7AY3bM7Q2AASBk4Gat0UAV7CwttMsIbKxj8q3gXZGm4ttH1PNWKKKACiiigAooooAKKKKACiiigAooooAKKKKAMrSf8AjwP/AF2m/wDRjU5/+Q9Z/wDXGb+aU3Sf+PA/9dpv/RjU5/8AkPWf/XGb+aUAadFFFAFb7DF/ao1Dc/miAwbcjbt3bs/XIqzRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBR1X/j1X/fH8jWbbf8fUX++P51par/AMeq/wC+P5Gs22/4+ov98fzoAuWX/H3qP/X1/wC00qW5+/B/10/9laorL/j71H/r6/8AaaVLc/fg/wCun/srUAKOtFA60UAQXf8Ax5y/7hq7VK7/AOPOX/cNXaACqWrf8eA/67Q/+jFq7VLVv+PAf9dof/Ri0AYeryeZqkx/uttqlU0wkkndmRssc9Kki027mGY4GI9cV+eVFOtVlKKbuz1FaMUma9vdyQ+EbueBtssEMjI2M4IUkHmsfw1rN1fXelNa68dbjuLYvqCFYSto2wEHdEi7Tuyu1skjP901q2dhdSaLqNi6eW80LIhfgZZSKjXw7d266NLavAJ7a1WyvgWIWaHbg4OPvKwyuR3YcZr7bAOTw0eZa2S/Nf5Hn1bc2nn+n/BLNr4ptrq6t1Fpdx2t25jtb51TyZ2AJwMMWGQpwWUA44PIzA/iY3ml3dxptjerbi3me31Blj8pyinBA3bsZHBKgH6EZz9B8GjSWt7aXRdCaO2DINSijxcyLghSV8v5X5GW3nPPHPFuw0jW7Xw+2gyiwe0itHtobpZn8xxtKpuj2YXjGSGPTgc8dkvhdiI/Erls67PaaPZ3D6Zfagz2izzSWqx4T5QSTuZck88Lk+3SnHxNby3UMOnWd3qAkgjuGkt1QLFHISEZt7KTnBOFBPB4rH1HwnfXjQJJBpuoQrp8dqqXzsyWsiggypHtKuTkddp+XGeaVvC+pfZ9IgjjsYprG3gi/tKK4kSePZjeoUJiRDj7rMBzyOKt2cn6/wCf/AIV1Fen+X/BN3T9dXUr2SK2sLz7OjyRi9YIImdDtYAbt45BGSoBweelT6pqkWlW8ckkUs8k0ohhghUF5XOSFGSAOATkkAAHJrDh0660vXZtZubeGztgHE6aaZpzelmG13hVOHHdhuPPJwKlvpT4gktLjRVnS8024FwiX9nPbRygqyMpZ0H8LHkA4OOKnoiu5HZeKG/tDW5NSjubW3sVtwttLGpkR33cDYSHLHbjBI5x61Zl8XW1paXsupWF9ZSWUaSyW8qoztGzbQy7HZSMgjGcjHTkZzb3wpqWsxaw+qGwSS9NtJBCu6aJGhJO18hd6k9eBwTxxy//AIRaWTRr+2g0bRNHmuBGF+wEkPtfcdzCND24GD9eeAOhbfxisc1xbtoerfa7eITvbiOLd5Rz+8B8zaRkEbc7s/w1vWt1Fe2cN1bPvhnjWSNsYypGQfyNZ0mlTt4gvr4NH5VxYR2yDJ3BlaQknjp84/WrGiWUmm6BYWM5Vpba2jicoSVJVQDjPbihbf15/wDAB7/15f8ABL1FFFABRRRQAUUUUAFFFFABRRRQBlaT/wAeB/67Tf8Aoxqc/wDyHrP/AK4zfzSm6T/x4H/rtN/6ManP/wAh6z/64zfzSgDTooooAKKp2EWpxmT+1Lu0uQceX9mtWh2+ud0j57elXKACiiigAooooAKKKKACiiigAooooAKKKKAKOq/8eq/74/kazbb/AI+ov98fzrS1X/j1X/fH8jWbbf8AH1F/vj+dAFyy/wCPvUf+vr/2mlS3P34P+un/ALK1RWX/AB96j/19f+00qW5+/B/10/8AZWoAUdaKB1ooAgu/+POX/cNXapXf/HnL/uGrtABVLVv+PAf9dof/AEYtXapat/x4D/rtD/6MWgDU2gnJAz64pa57UtYubfUJI4GG1eMEZrPfVr12z9odfZTgV4tXOKFKTjZtpnRGhJq52NFU9KuGudPjdzuboTS3OoxWuoWVnIrmS8Z1jKgYG1Sxzz6CvWp1FUgprqYNWdi3RRRWggoqtf3b2duJIrO4vXZgqw24XcffLMqgcdSR6dSBWZ/wlVsdKa7Wzu2mW7Fm9niMTLMWC7TlwncHO7GDnNAG5RWTPr32TTkub3Tby3mlmEENmxiaWZz0C7XK+p5YYAJOKjt/E9pOsQeC5gne8+xSW8qrvhk2lhuwxGCoyCCQcigDaooooAKKKKACiiigAooooAKKKKACiiigAooooAytJ/48D/12m/8ARjU5/wDkPWf/AFxm/mlN0n/jwP8A12m/9GNTn/5D1n/1xm/mlAGnRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAUdV/49V/3x/I1m23/H1F/vj+daWq/8eq/74/kazbb/AI+ov98fzoAuWX/H3qP/AF9f+00qW5+/B/10/wDZWqKy/wCPvUf+vr/2mlS3P34P+un/ALK1ACjrRQOtFAEF3/x5y/7hq7VK7/485f8AcNXaACqWrf8AHgP+u0P/AKMWrtUtW/48B/12h/8ARi0Ac7eSedeyyf3mJqCuoPh20LZDSAemasxaRZRDiEMfVua+Q/sfE1JtyaVzu9vBLQwllvT4N1VNLDNepBIYAh+beVOMe+RxWLZf8I4fEnh5vCYtjMUn802/c+Scedj/AJaZz975vve9d9BaQWpcwRhN+M49v/11NX0uFoyo0FTm9Vpp8zkqSUpXR5p4Ttop9R0ue41jTI9bR2a8t47JkvpG2t5iSsZSSuecldvC4xxRYaDpr6T4ZuGtVM93fyRXEv8AFNGVmYxuf4k+VflPGBjFel0V1diO5wsGsWvhKy1S2gFtbRHVzbWcc0git4C0SOcnoqAl2wO5wOtWYj4VOgN/aOv2t4k16Jp7+K98pftONwO+Nv3eAoCjd0AGSeT2NFHT7vwt/lcP6/M8+t7tofsWozXM1xollrEnkXlyxbEDwFQ5c8sgkYqHY9MHJHNVtXe9vZbjU/DjwO95rEQsJnOY5WS2ZS4PcbgQDyDt9K9Koo/4H6f5B/X5/wCZheEW006Oy6aHSZZD9tScgzif+My/7RPfpjGOMVu0UUxLQKKKKQwooooAKKKKACiiigAooooAKKKKAMrSf+PA/wDXab/0Y1Of/kPWf/XGb+aU3Sf+PA/9dpv/AEY1Of8A5D1n/wBcZv5pQBp0jHCkgFiB0HelooAxPD3iH+3JL1RbyRi2mKEsqjaf7h+Y5Yc/MPlPYnmtuoYLO2tf+Pa3ih+QJ+7QL8ozgcdhk4HuamoAKKKKACiiigAooooAKKKKACiiigAooooAo6r/AMeq/wC+P5Gs22/4+ov98fzrS1X/AI9V/wB8fyNZtt/x9Rf74/nQBcsv+PvUf+vr/wBppUtz9+D/AK6f+ytUVl/x96j/ANfX/tNKlufvwf8AXT/2VqAFHWigdaKAILv/AI85f9w1dqld/wDHnL/uGrtABVLVv+PAf9dof/Ri1dqlq3/HgP8ArtD/AOjFoA1aKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAytJ/48D/12m/9GNTn/wCQ9Z/9cZv5pTdJ/wCPA/8AXab/ANGNTn/5D1n/ANcZv5pQBp0UUUAFFRmeIXCwGVBMyl1j3DcVBAJx1xkjn3qSgAooooAKKKKACiiigAooooAKKKKACiiigCjqv/Hqv++P5Gs22/4+ov8AfH860tV/49V/3x/I1m23/H1F/vj+dAFyy/4+9R/6+v8A2mlS3P34P+un/srVFZf8feo/9fX/ALTSpbn78H/XT/2VqAFHWigdaKAILv8A485f9w1dqld/8ecv+4au0AFUtW/48B/12h/9GLV2qWrf8eA/67Q/+jFoA1aKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAytJ/48D/12m/8ARjU5/wDkPWf/AFxm/mlN0n/jwP8A12m/9GNTn/5D1n/1xm/mlAGnRRUV1HLNZzR283kTPGyxyld2xiOGxxnB5xQBj6EPt+q6nrDcpLJ9ktjnjyoiQSPrIX+oC1u1W06yi03Tbeyt/wDV28axr74HX61Zp+QeYUUUUgCiiigAooooAKKKKACiiigAooooAo6r/wAeq/74/kazbb/j6i/3x/OtHWdRg0rTWu7uCSeGNhuCBSVycA4JHcgcetY2m+MNJ1PUobSzsLjzpG+UmOMAYGSc7uwBNAGpZf8AH3qP/X1/7TSpbn78H/XT/wBlaorL/j71H/r6/wDaaVLc/fg/66f+ytQAo60UDrRQBBd/8ecv+4au1Su/+POX/cNXaACqOsuseml3IVVliJJ7DzFq9UVzcC2h8wo0nzKoVMZJZgo6kDqaAG/25pf/AD/2/wD38FH9uaX/AM/9v/38FN+0XP8A0DLr/vuL/wCLo+0XP/QMuv8AvuL/AOLoAd/bml/8/wDb/wDfwUf25pf/AD/2/wD38FN+0XP/AEDLr/vuL/4uj7Rc/wDQMuv++4v/AIugB39uaX/z/wBv/wB/BR/bml/8/wDb/wDfwU37Rc/9Ay6/77i/+Lo+0XP/AEDLr/vuL/4ugB39uaX/AM/9v/38FH9uaX/z/wBv/wB/BTftFz/0DLr/AL7i/wDi6PtFz/0DLr/vuL/4ugB39uaX/wA/9v8A9/BR/bml/wDP/b/9/BTftFz/ANAy6/77i/8Ai6PtFz/0DLr/AL7i/wDi6AHf25pf/P8A2/8A38FH9uaX/wA/9v8A9/BTftFz/wBAy6/77i/+Lo+0XP8A0DLr/vuL/wCLoAd/bml/8/8Ab/8AfwUf25pf/P8A2/8A38FN+0XP/QMuv++4v/i6PtFz/wBAy6/77i/+LoAd/bml/wDP/b/9/BR/bml/8/8Ab/8AfwU37Rc/9Ay6/wC+4v8A4uj7Rc/9Ay6/77i/+LoAd/bml/8AP/b/APfwUf25pf8Az/2//fwU37Rc/wDQMuv++4v/AIuj7Rc/9Ay6/wC+4v8A4ugB39uaX/z/ANv/AN/BR/bml/8AP/b/APfwU37Rc/8AQMuv++4v/i6PtFz/ANAy6/77i/8Ai6AHf25pf/P/AG//AH8FH9uaX/z/ANv/AN/BTftFz/0DLr/vuL/4uj7Rc/8AQMuv++4v/i6AHf25pf8Az/2//fwUf25pf/P/AG//AH8FN+0XP/QMuv8AvuL/AOLo+0XP/QMuv++4v/i6AItGdZNNDoQytLKQR3HmNTbu6gtNaspLqVIk8qUbnOBnKVP9ouf+gZdf99xf/F0faLn/AKBl1/33F/8AF0AO/tzS/wDn/t/+/go/tzS/+f8At/8Av4Kb9ouf+gZdf99xf/F0faLn/oGXX/fcX/xdADv7c0v/AJ/7f/v4KP7c0v8A5/7f/v4Kb9ouf+gZdf8AfcX/AMXR9ouf+gZdf99xf/F0AO/tzS/+f+3/AO/go/tzS/8An/t/+/gpv2i5/wCgZdf99xf/ABdH2i5/6Bl1/wB9xf8AxdADv7c0v/n/ALf/AL+Cj+3NL/5/7f8A7+Cm/aLn/oGXX/fcX/xdH2i5/wCgZdf99xf/ABdADv7c0v8A5/7f/v4KP7c0v/n/ALf/AL+Cm/aLn/oGXX/fcX/xdH2i5/6Bl1/33F/8XQA7+3NL/wCf+3/7+Cj+3NL/AOf+3/7+Cm/aLn/oGXX/AH3F/wDF0faLn/oGXX/fcX/xdADv7c0v/n/t/wDv4KP7c0v/AJ/7f/v4Kb9ouf8AoGXX/fcX/wAXR9ouf+gZdf8AfcX/AMXQA7+3NL/5/wC3/wC/go/tzS/+f+3/AO/gpv2i5/6Bl1/33F/8XSNd3C9dMu/wMZ/9noASfVdHubaSCe9t2ilQo6+bjIIwRxWH4ZtNI0CS8kbUbWR5ZCsTeYCViHQE4GCe+OOBW39tn/6Bd5/5D/8Ai6Pts/8A0C7z/wAh/wDxdADNMmjuJb+WB1kja6+VlOQfkSrFz9+D/rp/7K1JaXYu1l/dSQtE+xkkAyDgHsT2Ipbn78H/AF0/9lagBR1ooHWigCC7/wCPOX/cNXapXf8Ax5y/7hq7QAVV1D/j3j/6+IP/AEatWqq6h/x7x/8AXxB/6NWgDSrHsL+51PXr0xv5en2LG227RmebALNnsq5CjHUls9BWxXO6EW0vX9U0m5Uqbmd7+0kPSZGxvH1Vjgj0Kmhb/wBf1tcHt/X9dg0u78VSarEmrWFnDZH7V5kkR+YbZAIP4z95Mk8Hkfw9Kr+FfHWn67Z6dHcTqmo3kZO2OCRYWdRlkSQjYWAzlQxIwc9DXVHpXEaN4W1oWuhWOs/Yre10RjJHJZ3LyyXD+W8a5DRoEAEjHq2TgVn7yslqdMXTnGTlp6fP9bG/ZeKtH1DUlsbW6Zpn3+UzQSJHPt+95cjKEkx32k9D6VnSeNbe48U6Rpek7p4buWZJp2tZRGQkbN+7lICP8y4OC3esnw54DuNJm0+31C2juoNODLBenW7tyPkZFYWrAxqSrYIDYGTj0qfRvCuv2dz4bhvn00WXh9XiV4XcyXKmJo1cgqAh6ZXLdSd3GCJye5pKFCLlZ308uz7fI27HxnoOpX0VpZXxlkld4kYQSCMyLndHvK7d4Ck7M7sc4xT7Hxdouo6glnaXTtJKXELtbyJFOV+8I5WUJIRgn5SeAT0BqPQ/Dcdj4bt9O1CK3klglmlR0XPlu7ud6kjhsORn3NZOk+GNbjh0DTtVbT1sdAYNDcW0jtLdFI2ij3IygRfK2Wwz8jAwKactL/13+78SHGi+az2/4NunXQ3rTxNpl/qT2Vi9xcSIzI0sVpM0AZfvL5wXy8joRu68deKz/DXi+DVtM0gX7ouqajA0/wBntonYKoYjccZ2LxjLEAngHPFL4Y03XNBtYdHng0+fTrfesd4ly6zMpJK7ofL27ucE7+eT7VmeDfBmp+DmtxbS2s8V1GBqaPK5KyLnZJExUkjB2lDgDAIxyCk5XVxuFJKSv6a77/1Y1NA13VdQ8Tarp2rWdvZrbW9vPDFG5eRBIZAVds7Sf3YPyjAJIy2Nxfpd34ql1aFNWsLOGxJuvMkiPzDbIBB/GfvJljweR/D0qrpWn+I4fG19qt9Y6XHa30EMDCHUJJHjEXmEMAYFDZ8wcZGMdTXV1UddSKrjGTSS1t+Wv4hWXbeJ9AvLpLa01zTZ53OEiiu42Zj6AA5NalZdt4esrW6S4im1JnQ5Al1S5kX8VaQqfxFUc/QLbxPoN5dJbWet6bPO5wkUV3GzMfQAHJrUrLtvD1la3SXEU2pM6HIEuqXMi/irSFT+IrTIDKQeQRg0PbQOpzfh/wASNrt/uTUdMjidWePTl+e6Ef8AC7HfxkEHGzgEc1d0+/u4/EV7pOoMJMILq0mC4LRMxBRscZRuM9wVzzknJ0rwtfWbaRZTCySw0aV5IJ4Wbzp8qygMu0BOHJYhm3Eds1esQdS8ZXWpRri1s7c2KSH/AJayb90mPUKVC59dw7U9Lr+v61B7P+v60OgrG0yeWTxRrkUkrtHEYPLRmJCZjycDtmtmsLSf+Ru8QfW3/wDRdIDdrHsL+51PXr0xv5en2LG227RmebALNnsq5CjHUls9BWxXO6EW0vX9U0m5Uqbmd7+0kPSZGxvH1Vjgj0Kmhb/1/W1we39f12DS7vxVJqsSatYWcNkftXmSRH5htkAg/jP3kyTweR/D0qv4V8dafrtnp0dxOqajeRk7Y4JFhZ1GWRJCNhYDOVDEjBz0NdUelcRo3hbWha6FY6z9it7XRGMkclncvLJcP5bxrkNGgQASMerZOBWfvKyWp0xdOcZOWnp8/wBbG/ZeKtH1DUlsbW6Zpn3+UzQSJHPt+95cjKEkx32k9D6VnSeNbe48U6Rpek7p4buWZJp2tZRGQkbN+7lICP8AMuDgt3rJ8OeA7jSZtPt9Qto7qDTgywXp1u7cj5GRWFqwMakq2CA2Bk49Kn0bwrr9nc+G4b59NFl4fV4leF3MlypiaNXIKgIemVy3UndxgicnuaShQi5Wd9PLs+3yNux8Z6DqV9FaWV8ZZJXeJGEEgjMi53R7yu3eApOzO7HOMU+x8XaLqOoJZ2l07SSlxC7W8iRTlfvCOVlCSEYJ+UngE9Aaj0Pw3HY+G7fTtQit5JYJZpUdFz5bu7nepI4bDkZ9zWTpPhjW44dA07VW09bHQGDQ3FtI7S3RSNoo9yMoEXytlsM/IwMCmnLS/wDXf7vxIcaL5rPb/g26ddDetPE2mX+pPZWL3FxIjMjSxWkzQBl+8vnBfLyOhG7rx14rP8NeL4NW0zSBfui6pqMDT/Z7aJ2CqGI3HGdi8YyxAJ4BzxS+GNN1zQbWHR54NPn0633rHeJcuszKSSu6Hy9u7nBO/nk+1Zng3wZqfg5rcW0trPFdRgamjyuSsi52SRMVJIwdpQ4AwCMcgpOV1cbhSSkr+mu+/wDVjU0DXdV1DxNqunatZ29mttb288MUbl5EEhkBV2ztJ/dg/KMAkjLY3F+l3fiqXVoU1aws4bEm68ySI/MNsgEH8Z+8mWPB5H8PSqulaf4jh8bX2q31jpcdrfQQwMIdQkkeMReYQwBgUNnzBxkYx1NdXVR11IquMZNJLW35a/iFZdt4n0C8uktrTXNNnnc4SKK7jZmPoADk1qVl23h6ytbpLiKbUmdDkCXVLmRfxVpCp/EVRz9AtvE+g3l0ltZ63ps87nCRRXcbMx9AAcmtSsu28PWVrdJcRTakzocgS6pcyL+KtIVP4itSjoHUwdG1jUr3xDqNjqVrDarBBBNFGjF3UOZBh26E/IDwMDJGW61DZ63dt4uGktfadqKGOVpls4iklmVK7RJ+8cHOSOinI+uDTrHXYvF13qV3aaclvdwxQsIr13dBGXIIBiAOd/TIxjqam/s7VNR16wvdTgsrSPT2keP7NcPM8pdSuCSibVwckfNk46Y5FugfUm0+/u4/EV7pOoMJMILq0mC4LRMxBRscZRuM9wVzzknYrn7EHUvGV1qUa4tbO3Nikh/5ayb90mPUKVC59dw7V0FHRf1/WgdX/X9ahRRRQBwnxC1wqq6PbsuHAe54B75Vfbpk8f3fU10PhbXV13R1kc4uYcRzgkZJx97A6A/Trkdqrar4t/szU5bT7F5vl4+fzcZyAemPermg69/bfn/6N5Hk7f8AlpuznPsPStnQqKHO1oYLEU5T5E9R9l/x96j/ANfX/tNKlufvwf8AXT/2Vqisv+PvUf8Ar6/9ppUtz9+D/rp/7K1Ym4o60UDrRQBBd/8AHnL/ALhq7VK7/wCPOX/cNXaACquof8e8f/XxB/6NWrVVdQ/494/+viD/ANGrQBpUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQB5z4q/5Ga7/wCAf+gLWv4E/wCX/wD7Z/8As1ZHir/kZrv/AIB/6Ata/gT/AJf/APtn/wCzV7FX/dfkv0PEo/7583+pt2X/AB96j/19f+00qW5+/B/10/8AZWqKy/4+9R/6+v8A2mlS3P34P+un/srV457Yo60UDrRQBBd/8ecv+4au1Su/+POX/cNXaACquof8e8f/AF8Qf+jVq1VXUP8Aj3j/AOviD/0atAGlRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHnPir/kZrv/gH/oC1r+BP+X//ALZ/+zVJrWjW93rE80jyhm25CkY4UD0q94a06Kw+0+Sztv2Z3kds+3vXoTxEJUORb2R5lPDVI4j2j2uyzZf8feo/9fX/ALTSpbn78H/XT/2Vqisv+PvUf+vr/wBppUtz9+D/AK6f+ytXnnpijrRQOtFAEF3/AMecv+4au1Su/wDjzl/3DV2gAqrqH/HvH/18Qf8Ao1atVV1D/j3j/wCviD/0atAGlRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAGJqH/H/J+H8hVnSP+W3/AAH+tZfiLxbN4ev0gk03zopE3RyiYqG9R93qPqeCPWr/AId1qbXbB7uSy+yxb9seZCxfHU/dHHbvyD6UAPsv+PvUf+vr/wBppUtz9+D/AK6f+ytUVl/x96j/ANfX/tNKlufvwf8AXT/2VqAFHWigdaKAILv/AI85f9w1dqld/wDHnL/uGrtABVPVJEhslklYKiTwszHsBKuTVyigCD+3NL/5/wC3/wC/go/tzS/+f+3/AO/gqeigCD+3NL/5/wC3/wC/go/tzS/+f+3/AO/gqeigCD+3NL/5/wC3/wC/go/tzS/+f+3/AO/gqeigCD+3NL/5/wC3/wC/go/tzS/+f+3/AO/gqeigCD+3NL/5/wC3/wC/go/tzS/+f+3/AO/gqeigCD+3NL/5/wC3/wC/go/tzS/+f+3/AO/gqeigCD+3NL/5/wC3/wC/go/tzS/+f+3/AO/gqeigCD+3NL/5/wC3/wC/go/tzS/+f+3/AO/gqeigCD+3NL/5/wC3/wC/go/tzS/+f+3/AO/gqeigCD+3NL/5/wC3/wC/go/tzS/+f+3/AO/gqeigCD+3NL/5/wC3/wC/go/tzS/+f+3/AO/gqeigCD+3NL/5/wC3/wC/go/tzS/+f+3/AO/gqeigCD+3NL/5/wC3/wC/go/tzS/+f+3/AO/gqeigCD+3NL/5/wC3/wC/go/tzS/+f+3/AO/gqeigCD+3NL/5/wC3/wC/go/tzS/+f+3/AO/gqeigCD+3NL/5/wC3/wC/go/tzS/+f+3/AO/gqeigCD+3NL/5/wC3/wC/go/tzS/+f+3/AO/gqeigCD+3NL/5/wC3/wC/go/tzS/+f+3/AO/gqeigCD+3NL/5/wC3/wC/go/tzS/+f+3/AO/gqeigCD+3NL/5/wC3/wC/go/tzS/+f+3/AO/gqeigCD+3NL/5/wC3/wC/go/tzS/+f+3/AO/gqeigDD8QDRNf0/7PLqFrHKpBimyGMfIzxkdRxj6HsK0YNV0e2to4IL23WKJAiL5ucADAHNW6KAKGmTR3Et/LA6yRtdfKynIPyJVi5+/B/wBdP/ZWqeoLn78H/XT/ANlagBR1ooHWigCC7/485f8AcNXapXf/AB5y/wC4au0AFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFZerahPa/u7QKZNu7B9Pb8q1KpajYfbIw0bbJk5Rv6VE7uOhpTcVJc2xy8XiC+juhJJIWXPKdq6yxv4b+ASQtz/EvcVyN1BD57faW8iRT+8QDOT6ip9JuxFqEUdlCxDuFdjknGetctOpKMrNno1qMJwvFWZ2FQXP34P+un/srVPUFz9+D/rp/wCytXaeUKOtFA60UAQXf/HnL/uGrtUrv/jzl/3DV2gAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAp3mlWt9Irzpll7g4zU8FrBbIFgiVB7CpaKXKr3K55NWvoFQXP34P+un/srVPUFz9+D/AK6f+ytTJFHWigdaKAP/2Q==)

1. Raster calculator will output a calculation, which has values ‘6’ and ‘13’ = 1 and all other values = 0.[[28]](#footnote-28) Notice that the names of the parent material have been lost from the attribute table. If you wanted to preserve this information, you’d have to add them back in manually in a new field.[[29]](#footnote-29)
2. You can think of Raster Calculator as something of a truth box. You’re asking it to do some analysis and output values according to the math involved or based on assessing the values within the raster as true or false.
3. Now, let’s use Raster Calculator to recreate your classification of areas between 500-600m elevation. Recall that previously we did this using reclassify. Both approaches will produce the same result. Open Raster Calculator and use the buttons to input or type in the following expression:

![Graphical user interface, application

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAeAB4AAD/4REERXhpZgAATU0AKgAAAAgABAE7AAIAAAATAAAISodpAAQAAAABAAAIXpydAAEAAAAmAAAQ1uocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFNvcGhpZSBBcmdldHNpbmdlcgAAAAWQAwACAAAAFAAAEKyQBAACAAAAFAAAEMCSkQACAAAAAzE2AACSkgACAAAAAzE2AADqHAAHAAAIDAAACKAAAAAAHOoAAAAIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAyMDIwOjAzOjMxIDA5OjU3OjEwADIwMjA6MDM6MzEgMDk6NTc6MTAAAABTAG8AcABoAGkAZQAgAEEAcgBnAGUAdABzAGkAbgBnAGUAcgAAAP/hCyVodHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLjAvADw/eHBhY2tldCBiZWdpbj0n77u/JyBpZD0nVzVNME1wQ2VoaUh6cmVTek5UY3prYzlkJz8+DQo8eDp4bXBtZXRhIHhtbG5zOng9ImFkb2JlOm5zOm1ldGEvIj48cmRmOlJERiB4bWxuczpyZGY9Imh0dHA6Ly93d3cudzMub3JnLzE5OTkvMDIvMjItcmRmLXN5bnRheC1ucyMiPjxyZGY6RGVzY3JpcHRpb24gcmRmOmFib3V0PSJ1dWlkOmZhZjViZGQ1LWJhM2QtMTFkYS1hZDMxLWQzM2Q3NTE4MmYxYiIgeG1sbnM6ZGM9Imh0dHA6Ly9wdXJsLm9yZy9kYy9lbGVtZW50cy8xLjEvIi8+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczp4bXA9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8iPjx4bXA6Q3JlYXRlRGF0ZT4yMDIwLTAzLTMxVDA5OjU3OjEwLjE2MzwveG1wOkNyZWF0ZURhdGU+PC9yZGY6RGVzY3JpcHRpb24+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iPjxkYzpjcmVhdG9yPjxyZGY6U2VxIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpsaT5Tb3BoaWUgQXJnZXRzaW5nZXI8L3JkZjpsaT48L3JkZjpTZXE+DQoJCQk8L2RjOmNyZWF0b3I+PC9yZGY6RGVzY3JpcHRpb24+PC9yZGY6UkRGPjwveDp4bXBtZXRhPg0KICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICA8P3hwYWNrZXQgZW5kPSd3Jz8+/9sAQwAHBQUGBQQHBgUGCAcHCAoRCwoJCQoVDxAMERgVGhkYFRgXGx4nIRsdJR0XGCIuIiUoKSssKxogLzMvKjInKisq/9sAQwEHCAgKCQoUCwsUKhwYHCoqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioq/8AAEQgBwwGWAwEiAAIRAQMRAf/EAB8AAAEFAQEBAQEBAAAAAAAAAAABAgMEBQYHCAkKC//EALUQAAIBAwMCBAMFBQQEAAABfQECAwAEEQUSITFBBhNRYQcicRQygZGhCCNCscEVUtHwJDNicoIJChYXGBkaJSYnKCkqNDU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6g4SFhoeIiYqSk5SVlpeYmZqio6Slpqeoqaqys7S1tre4ubrCw8TFxsfIycrS09TV1tfY2drh4uPk5ebn6Onq8fLz9PX29/j5+v/EAB8BAAMBAQEBAQEBAQEAAAAAAAABAgMEBQYHCAkKC//EALURAAIBAgQEAwQHBQQEAAECdwABAgMRBAUhMQYSQVEHYXETIjKBCBRCkaGxwQkjM1LwFWJy0QoWJDThJfEXGBkaJicoKSo1Njc4OTpDREVGR0hJSlNUVVZXWFlaY2RlZmdoaWpzdHV2d3h5eoKDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uLj5OXm5+jp6vLz9PX29/j5+v/aAAwDAQACEQMRAD8A+gq8u1D4vz2OpXVp/Y8cn2eZ4t/nkbtpIzjbx0r1Gs2Dw1oVxAk0+i6dLLIoZ3e0QsxPJJJHJrqw06EG/bR5l62OXEwrzS9hPlfpc84/4XTP/wBASP8A8CT/APE0f8Lpn/6Akf8A4En/AOJr0r/hFPD3/QB0z/wDj/wo/wCEU8Pf9AHTP/AOP/Cu32+X/wDPl/e/8zh+r5j/AM/l9y/yPNf+F0z/APQEj/8AAk//ABNH/C6Z/wDoCR/+BJ/+Jr0r/hFPD3/QB0z/AMA4/wDCj/hFPD3/AEAdM/8AAOP/AAo9vl//AD5f3v8AzD6vmP8Az+X3L/I81/4XTP8A9ASP/wACT/8AE0f8Lpn/AOgJH/4En/4mvSv+EU8Pf9AHTP8AwDj/AMKP+EU8Pf8AQB0z/wAA4/8ACj2+X/8APl/e/wDMPq+Y/wDP5fcv8jzX/hdM/wD0BI//AAJP/wATR/wumf8A6Akf/gSf/ia9K/4RTw9/0AdM/wDAOP8Awo/4RTw9/wBAHTP/AADj/wAKPb5f/wA+X97/AMw+r5j/AM/l9y/yPNf+F0z/APQEj/8AAk//ABNH/C6Z/wDoCR/+BJ/+Jr0r/hFPD3/QB0z/AMA4/wDCj/hFPD3/AEAdM/8AAOP/AAo9vl//AD5f3v8AzD6vmP8Az+X3L/I81/4XTP8A9ASP/wACT/8AE0f8Lpn/AOgJH/4En/4mvSv+EU8Pf9AHTP8AwDj/AMKP+EU8Pf8AQB0z/wAA4/8ACj2+X/8APl/e/wDMPq+Y/wDP5fcv8jzX/hdM/wD0BI//AAJP/wATR/wumf8A6Akf/gSf/ia9K/4RTw9/0AdM/wDAOP8Awo/4RTw9/wBAHTP/AADj/wAKPb5f/wA+X97/AMw+r5j/AM/l9y/yPNf+F0z/APQEj/8AAk//ABNH/C6Z/wDoCR/+BJ/+Jr0r/hFPD3/QB0z/AMA4/wDCj/hFPD3/AEAdM/8AAOP/AAo9vl//AD5f3v8AzD6vmP8Az+X3L/I81/4XTP8A9ASP/wACT/8AE0f8Lpn/AOgJH/4En/4mvSv+EU8Pf9AHTP8AwDj/AMKP+EU8Pf8AQB0z/wAA4/8ACj2+X/8APl/e/wDMPq+Y/wDP5fcv8jzX/hdM/wD0BI//AAJP/wATR/wumf8A6Akf/gSf/ia9K/4RTw9/0AdM/wDAOP8Awo/4RTw9/wBAHTP/AADj/wAKPb5f/wA+X97/AMw+r5j/AM/l9y/yPNf+F0z/APQEj/8AAk//ABNH/C6Z/wDoCR/+BJ/+Jr0r/hFPD3/QB0z/AMA4/wDCj/hFPD3/AEAdM/8AAOP/AAo9vl//AD5f3v8AzD6vmP8Az+X3L/I81/4XTP8A9ASP/wACT/8AE0f8Lpn/AOgJH/4En/4mvSv+EU8Pf9AHTP8AwDj/AMKP+EU8Pf8AQB0z/wAA4/8ACj2+X/8APl/e/wDMPq+Y/wDP5fcv8jzX/hdM/wD0BI//AAJP/wATR/wumf8A6Akf/gSf/ia9K/4RTw9/0AdM/wDAOP8Awo/4RTw9/wBAHTP/AADj/wAKPb5f/wA+X97/AMw+r5j/AM/l9y/yPNf+F0z/APQEj/8AAk//ABNH/C6Z/wDoCR/+BJ/+Jr0r/hFPD3/QB0z/AMA4/wDCj/hFPD3/AEAdM/8AAOP/AAo9vl//AD5f3v8AzD6vmP8Az+X3L/I81/4XTP8A9ASP/wACT/8AE0f8Lpn/AOgJH/4En/4mvSv+EU8Pf9AHTP8AwDj/AMKP+EU8Pf8AQB0z/wAA4/8ACj2+X/8APl/e/wDMPq+Y/wDP5fcv8jzX/hdM/wD0BI//AAJP/wATR/wumf8A6Akf/gSf/ia9K/4RTw9/0AdM/wDAOP8Awo/4RTw9/wBAHTP/AADj/wAKPb5f/wA+X97/AMw+r5j/AM/l9y/yPNf+F0z/APQEj/8AAk//ABNH/C6Z/wDoCR/+BJ/+Jr0r/hFPD3/QB0z/AMA4/wDCj/hFPD3/AEAdM/8AAOP/AAo9vl//AD5f3v8AzD6vmP8Az+X3L/I81/4XTP8A9ASP/wACT/8AE0f8Lpn/AOgJH/4En/4mvSv+EU8Pf9AHTP8AwDj/AMKP+EU8Pf8AQB0z/wAA4/8ACj2+X/8APl/e/wDMPq+Y/wDP5fcv8jzX/hdM/wD0BI//AAJP/wATR/wumf8A6Akf/gSf/ia9K/4RTw9/0AdM/wDAOP8Awo/4RTw9/wBAHTP/AADj/wAKPb5f/wA+X97/AMw+r5j/AM/l9y/yPNf+F0z/APQEj/8AAk//ABNH/C6Z/wDoCR/+BJ/+Jr0r/hFPD3/QB0z/AMA4/wDCj/hFPD3/AEAdM/8AAOP/AAo9vl//AD5f3v8AzD6vmP8Az+X3L/I81/4XTP8A9ASP/wACT/8AE0f8Lpn/AOgJH/4En/4mvSv+EU8Pf9AHTP8AwDj/AMKP+EU8Pf8AQB0z/wAA4/8ACj2+X/8APl/e/wDMPq+Y/wDP5fcv8jzX/hdM/wD0BI//AAJP/wATR/wumf8A6Akf/gSf/ia9K/4RTw9/0AdM/wDAOP8AwrEupfAVlO8V1pdhGUl8lmOlEqH/ALu4R4z+NHt8v/58v73/AJh9XzH/AJ/L7l/kch/wumf/AKAkf/gSf/iaP+F0z/8AQEj/APAk/wDxNelf8Ip4e/6AOmf+Acf+FRv4c8LxzxwSaPpCyygmONrWIM+OuBjnGRR7fL/+fL+9/wCYfV8x/wCfy+5f5HnP/C6Z/wDoCR/+BJ/+JrT8OfFKbXvENppjaXHALhiDIJi23Ck9MD0rs38OeF4pooZNH0hJZiRGjWsQZ8DJwMc4HNPbw/o1i0dxZaTY286SLtlhtkRlyQDggZ6HFROtgXBqNJp9NX/mXToY5TTnVTXXRf5GhRRRXlnqhS2f/HjD/wBc1/lSUtn/AMeMP/XMfyoA5/SfO8VRS6leXNzDYtK6WltaztDlVYr5jMhDEkg8Z2gY4zzWpHDaeHrG7uZ725+yqPNc3Vw83lADBwWJbnHTJ56VjaWh8OWM2iarY3FzYb5DbTQ2z3CyRM27Y6qGII3EcjBHfrWP/wAI9JqOleKYdH05rO3upYGtIngNsJSiqWAUhSoJGM4HJr0XBSk1zWhpbta6X39X6M89TcUny3nrfvezf3dF01R1lr4hjnvbe2ubG8sTdgm2e5VAJcDOBtYlTjnDAHg+lMfxKjmdtP02/wBRgt2ZZJ7ZY9oZc7lXe6lyMfwg+nXis/TbXSL+9s5BY659phPnKL97vbbttPJMjbCecfLnr6ZNN0G6fw1ox0m/sb6Se2eTy2t7R5VuFZ2ZSHUFQTnBDEYPXjmolThryxd+3367+n57FRqTduaSt3/TbT+luaV54r0y0sNPvd0s9vqMoigeGMsSSCRlevbGMZzxipLXX45tVTTryyutPupYzJCtzsImA+9tZGYZHUgkHBzXJ3Nnd6Do3hWO5t2luV1VpZIIiCV3iRio7EgN+OOK3JXl17xVpc1pbXUVnpvmTSz3Nu8G9mQoqKrgE9SScYHHPNVKjTS0297W/bb7/wAehMa9RvXf3dLd9/66dS9p3iSDVZpVtLS6MUE0kM87hFSJkJBzlsnOM8A9RnFQt4tg+xtfpp2oSaYvJvljTy9ndwpbzCo9QnQZGRzVfQ9Mnk8K6pZSo9tJdXN4FLqVOHdtrfTBBzVeDUJ4PB66O+k3x1OO0FoIBauY2bbtB83Hl7e+S3T34qfZ0+ZqKvZpb9Or/rRdS/aTsuZ2vfp9y/rV9DcvdctrRraOFJb24ul3wQWwBaRRjLZJChRkckgfjUcviCO3to2urG8guZpvJhs2VGllbGfl2sVxjncWAGDkisS30+68NappV1PBNe2sWlrYTSW8ZlaF1IO7aBuKnpwDjAzS6/GdUvNJ1hLPU3s7OaWKZIllgnCuoHmKoKyYBGCMZIzwRQqNPmS3WuvnrZfPTzJdapytvR6afdd/LX7rbmv/AMJRZRWt9Lfxz2L2AVp4Z1BcBvukbCwYE8DBPPFPbxAltp9ze6pYXmmwW6K5a4CNvBOABsZuc4GDg8istdP0GWy1C4bTdVuIpo0t52uVuXkkQt0VZDvwuc5UfTJBxVsonNrqlpqCapqXh4xxpGt5byfaNzMd4A2iRlAKnJGRjjOKPZU2nZPp+m3n69B+1qJq7XX+n5ehrajqUF14d1Jtb0e+gs47YvLHKUzKmCSFKSHB46EjqKdL4is9Pn0/T4bS7mlu7YyW0UKA5VQPlJLAA4PUnHHWufe31OTw94is7ZtSvdNNiVs/t0LCcykNuRQyh2HK4JHsCcGtSG0uR4s0OY28oii0uSOR9h2oxMfyk9jwePaq9nBaPz0/7dv/AMOR7SbSa301/wC3kn8rGna+IrKe1vZrkSWJ08kXUVyAGi4yCdpIII5BBNUrjxjDZ2sNzeaTqdvb3DqkMrxx4csQBkByV65+YDp68Vk6pol/qdz4wgt4HVrpLU27OCqzFFyVDHjtj2zzSeLdb+3+G4I4tOvoWa6tjMLi2eIQfvV43MAGOcD5SfXpThQpynFJXu1fXa6T/NtfLuFSvUjCTbtZStpvZv8ARL7+x3NFFFeceiFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBma/qV7pOmNeWGm/2j5fMkQl2MF9R8pz9KyvCXiy98U75v7G+yWacee1zu3N6AbBn3Oa6imQwxW8QjgjSKNeiIoAHfoKAH15lr8d/f2X9mQ6VeC6m1R9QRGVRmIcE/e6jcvHvXptQtaQPfR3bJmeKNo0fJ4ViCRjp/CPyoAfFIZYUkKNGXUNscfMuR0PvXO+N/sH9kxG6MgvhIP7P+z/AOu83ts/r2/SulqN7aCW4inkhjeaHPlyMgLJnrg9s4oA4zwr5jeJJz4q3DxCIx5IkxsEWOfKxx9e/X3rsLz/AFA/66J/6EKe9tBLPFNJDG8sOfKkZAWTIwcHtkcUy8/1A/66J/6EKACiiigAHSls/wDjxg/65r/KkHSls/8Ajxg/65r/ACoAmooooAKKKKAM7VNJXU7rTpmmMf2G5FwAFzv+Vlx7ferRooqnJtJPoSopNtdQoooqSgooooAKKKKACiiigCO5jkltZI4JjBKykJKFDbD2ODwfpWXPo1zqNzatq19HLBbSiZYLeAxLI45UuSzEgHkAY5xnOK2KKuM5R2IlCM9woooqCwooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACoLz/UD/AK6J/wChCp6gvP8AUD/ron/oQoAKKKKAEb7h+lOtP+PKD/rmv8qa33D9Kdaf8eUH/XNf5UATUVj6ld3VzqKaTpcvkS7PNubnbu8iM5ChQeN7EHGegBOOlZtvpnh661qbTBZTX1zboGnu5ZC+xj2Lls7j1wBx7UAdVRWARP4buoczy3GkzSCMiZi72rMcKd55KE8c5IyOcVv0AFFFFABRRRQAUUUUAFFFFABRRRQAUUVgSeKsXmoQWui6leLp7+XPLB5O0HaH4DSBjwR0FAG/RVewv7bU9PgvbGUTW86B43AIyD7HkfSrFGwBRVXUr+LStKur+5DGG1iaVwgyxCjJx78VPBMtxbxzICFkQOAeuCM0APooooAKKztS1u3064itRFNd3sylorS2UNIyggFjkhVUZ6sQO2c8U7T9SmvZpYrjSr3T2jVWBufLKvnPQxuwyMcg46j1oAv0UVm6Dq/9t6fJdeR5Gy4mg2792fLcpnOB1xnFAGlRRRQAUVm6Xq/9pX+qW3keX/Z9yIN2/PmZRXzjHH3sY56VpUAFFUtL1WDV4JprVZFWG4kt23gDLIxUkc9MjirtABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABUc9xDaxGS5mjhjHV5GCgfiai1G+j0zTZ72cEpAhcheregHuelZthoYnK3+vol3fuM7JMNHbA/wIOgx0LdTjrQBpWuo2V9n7FeW9zjr5Mqvj8jT7v8A1A/30/8AQhXMaCtn4u0mS8nsorK4hupI4Z7X5JI9vQhuueeR0Pp2rT0+9uJrWey1Ehr2ynjjlcDAlUkFZAO2R1HYg0AadFFFACN9w/SnWn/HlB/1zX+VNb7h+lOtP+PKD/rmv8qAMizDDxJrsCyeVcTJDJExGcLs2ggd8MrfnXD+HdC8Si6v9Pg8Q/YLuGUvNC0W4ybukgPcGvRNU0t7ySG6s5/st9bZ8qbbuBB6ow7qePfIBFUftGpJdLPceGFlvFXYLmCeIjHszEMB7YoAoX1jqWn+BdQtdZ1L+0bu4bZBJs2nc21UUD13c/jXXVj22nXl7fxahrZjUwEm2s4juSIkY3sxHzPjI6ADJx61sUAFFFFABRRRQAUUUUAFFFFABRRRQAV56za5DdeMJ9FkgZI71TJB5JMzjyY9xjfdtDbc4BRuRXoVVrXT7WyuLqa2i2SXcnmztuJ3ttC55PHAHSlbf0/yHf8AP/M5Vn0H+wNB0fTdOXWYbmLfYwTuvllVXl5S3HG7n5WOei5HGfpem6hd2fi3Q9PNvpjpPF5EFvcM0MJZFZkVgqlVbnOFGNxxXVHwlo3kJEltJEsU7zxGG5ljaJ3zu2MrAqDk5UED2pYfCmj29tdQW9s8K3bpJO0dxIru6Y2tvDbg2QCSDknk5JNPdt9/+AJaW8jjr+LR5fCviXT5fDFtpGpWtiZpYESN42wH8uVGUYJ68kBhnHarGqWYgk8M6Lpem2Qsr1ZJ57Uv9miuZEjUhXKI24dTtI+baM9K7Cz0HTrKO5SKBpPtQ2zvcSvM8q4wFZ3JYjBPGcDJ9ahPhbSW0uPTngmkt4pFki8y6lZ4WXGCjltyYxxtI7+po/4H6/18g/4P6HKarot/pPhPxU8ltY2FhcWJMNlZTtIkcgVgzAGNAu4beAOozXX6FpFlpenx/ZII0lljQzz7R5k7Y+87dWPJ6+tIPDum/wBnXdlJHNNDeLsn8+6lld1xjbvZiwHJ4B4yfWtNEWONUQYVRgD0FMX/AAf0OX0crH8RvEKXR/0mWG3kt93eAKQdvsH3Z9yK1/EN/Z6doNzPqSSS2xURtHEcNJvIUKOR1Jx1FP1LRdP1cxNfQbpYDmKaN2jliJ67XUhlz3wearr4X0oW93BLFPcx3kYjm+1Xcs5ZQSQAXYlcEk8Y55qelh9bnM2Fq+l/EDSVh0ex0SO8tbjzLeymB80LtK+YioqhlJPILdSM461IJpF8I2toJpIIL/xFLa3EkTFW8tp5CQGHI3EBc+9dlaeGNKs9Ri1CKCV7yJWVLie5lmcKwAK7nYkjjgdBk4xk1KNA0v8AsmfTGs43s53d5IZCXDMzbief9o59u2Kfb+utw/r8LHP+LtC0vSPAOunSdOtrMyWmH+zxBNwXpnHXGTzVjxVKn2jwum4bn1aIqM9QI3/xFa9roGn2kdxGqTTpcxiOUXdzLcbk5+X94zYHzHgetVbfwdoltLayJbSu9mytbGa7ll8jAwAm5jtGD0HBwMjgYfVP0F0+/wDFGJBf2enf8JjPqSSS2x1BI2jiOGk3wxKFHI6k46iq9rY/YvHemQf2Jp+kW+oWdws9paShhOoCkeagRVyNxHBbqRnHXrpdA0yaDUIZbRXj1Ft90rMx8xtoXPXg4UdMYxnrUVp4Y0qz1GLUIoJXvIlZUuJ7mWZwrAArudiSOOB0GTjGTSXS/a34WG+vr+tzhobeHRvAGuX2kW0Fjd/2hPbG7giVJIoTcbThgMgKvT0wD2ra17R9O8ODR73QLSK0vP7Qgt90ACtco7YdXPWTI+bnJyM10kWg6dDc3cyQN/pu77RE0rtDJuADExE7MnHJxk/jUVj4Z0rTriKa3hlZ4FKwCe5lmWEYx8iuxCccfKBxx0oWlvK34f1+IPr8/wATD8P6RZXfjDxJeXkEdxJDqCeR5qhhCwhjO5QejHjkc8Cuyqta6fa2VxdTW0WyS7k82dtxO9toXPJ44A6VZo6JeSDq2FFFFABRRRQAUUUUAFFFFABRRRQBk+KIZJvDd0IUaR49kuxRywRw5A+oXFZ+oaLfa7cLqGleKLq0tZo1aOOFAVxjqDkdetdNWJ/ZN9pkzvoE8IgkYs1ldZ8tWJySjDlMntgj0AoA4jwV4c1PUNHuJLTxJd2KJdyIY4kyGIxluvU11umKZNS1OcTNPGhtbQzsAPNeMne3HHV8HHcH0ostE1SK3a0i+x6RaSSNJL9hd5ZHLdcM4AXPrg47YrYFnBYaXFa2kYjhiZFRRzj5h+Z96AJqKKKAEb7h+lOtP+PKD/rmv8qa33D9Kdaf8eUH/XNf5UATUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABUN3/qB/vp/wChCpqhu/8AUD/fT/0IUAJRRRQAjfcP0p1p/wAeUH/XNf5U1vuH6U60/wCPKD/rmv8AKgCaiuT+It49loFm63ktnG2o26TSxTtCRGW+YFlIIGPequh6lOmr64dEuX1TRYIomglubwvGs2PnUTtuJUDDNy23nA7ULW4M7aiuHPxJjTS9buPslrcy6SsTkWV8JoZlc4GJNgwQc5BXtWzea7qFjpUd5eWenWYkf/l91PykRSBtDP5Z+c/3QCOD83qAb9FcZbeP31C10J9O0oSzau80QR7nasTxjn5gp3Lx1A6c47VGfH95Hpt/fXGhLHBpV19mvz9syVO4AmP5PnwCDzs645o62D+v6+47eiuR1vx9baZqV3ZWv2CSayiEkwvdQW13kruCRgqxdsfQDI59K0nivVL/AMSeGjoscP8AZuqW0s3lTy7GfCg/NiNtpXPGCQ3fFC1/r+uwbHb0VxGqfEuysJr4wrZTQWE3kzLJqCxXEhBAcxQkHeBnuy5IOPU6dv4pub3xNeaXYaYskNnHDNJdPcFcpIu7hQhJb0HQ85I4ydLhsdJRXOeFvFMviiP7Vb21olkQ2Cl75k0Zz8qyRhAEJGTjccV0dGwBRXH+IriEeNLO3v5dUFo1hI/lac1zkuJFAJEHPQnk8VoPq9zb39tpOjac10WsxcLLeXLx7V3bcOWVn3fUE56460La/wDXX/IHo/68v8zoKK5/S/FQ1GbTkks2thfRygFpA2yeJsPEcDnoxB77TwKrR6vb6rrekSz6by1zdJZXHnnhUUgybQMHdggA5wMGgDqaK5aDxhcPo8uqzaT5dqJWt4VW43Szzeb5aqq7QApPcsCOeMcmy3iK8sp5bfWNOht5/skl1B9nujKkoj+8pYopVhlexGD14xSvpcdtbHQUVztj4lvJrzS0v9KFpb6qhNtILne6sE37XXaAuVDYwzdOcVSj8a3radaai2hH7HdXP2RNl0DJ5hZkU7SoGwsAM7sjP3fWmrOxN7q519FczP4wOl22pHXbOO1nsDF8sNz5kcol4Qh2VMfMCDkADGc1Vj8fRGz1F/Ksru4soo5gmnX4uEkVm2437VwwPYjuOeeEM7CiuaufEGqRSXljLpsFte/Ynu7U/a96OqnDBjs+VlypwAwOetVLLxVqUej6El7bWTX+pwho3mvTFE/yqeW8riRi3CKp788Ub/16/wCQf1/X3nYUVHbvLJbRPcRCGZkBeMPuCNjkZ4z9akoAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKzdTupvOisbJxHNMC7yYz5aDgnHqScD/wCtXOXcIN1d+RppuhajdLcXM7h5DjJ2muinR51ds5qlfkdkr/18ztahu/8AUD/fT/0IVj6ZevbmzJlkksb1V8nzTl4mIyFJ7gj9a2Lv/UD/AH0/9CFZTg4OzNac1NXQlFFFQaCN9w/SnWn/AB5Qf9c1/lTW+4fpTrT/AI8oP+ua/wAqAM/xFof9v2drB9o+z/Z7yK53bN27Y2dvUYz60nifQV8SaDLpzT/Zyzo6uU3rlWDAMpI3DjkUuuf8JD+4/wCEb/sz+Lzv7Q8z227dn45z7Vk/8XD/AOpZ/wDJito0eaN+ZL5/12MJ1uWVuVv5EF94DudTj1s32sRmbV4IYWaKz2JD5ZyMKXJIPoT+PatTV/Dk99rem6rY3sdvc6fHJGont/ORg4AJA3KVbjqD7VS/4uH/ANSz/wCTFH/Fw/8AqWf/ACYqvYf3l95H1j+5L7v67DdK8CnTH0Vm1MznSp7mYkwbTN5wPH3vlxn3z7U658D/AGnQNf0z+0Nv9s3jXXmeRnyclTtxu+b7vXI60f8AFw/+pZ/8mKP+Lh/9Sz/5MUew/vL7x/Wdb8kvu/ruW28O3tpr11qeh6lDatexotzDc2pmR2QYV1w6FTjjqQaff+Hbq71TR9Si1JVvNNR0Z5bfes4dQGJVWXaeMjBwPSqP/Fw/+pZ/8mKP+Lh/9Sz/AOTFHsP7y+8X1j+5L7ixB4b1HTLu/OiavDbWt9Obh4Z7PzWikb75Rt6gZ64YMAfyq5Z6C1n4i1fVku8tqUcKBPL/ANUY1IznPzZznoKy/wDi4f8A1LP/AJMUf8XD/wCpZ/8AJij2GluZfeP6x/cl9xY07wtPD4mXXNRvLWW7WAwk2dl9n87OMtId7Fz8ox0ArpK57S/+Ey/tKL+2v7C+xc+b9k87zOhxjdx1x17ZroaynHkdrp+hrTnzq9mvUxdR0e/m16DVdMv7e2ljtmt2S4tWmVgzBs8SJg/L71Yt9MmXWE1K6uY5Zvsgt3WOEopO7duGWJH0yfrWlRUbf1/Xc03/AK/rsc3J4RLeHRp8N+YrmO7kuoLtYuYmeRmI255+VyvX3q8dAiS70aS2k8qHSkdEi253KU2AZzxj8a1qKA3dzATwrH/wi39jyXcmVmaeO5jUK0b+aZFIByODj64obw9d3s0txrGoRXFx9lktYDb2xiSISAbmKl2LNwO4GB071v0UrdB31uZD6FvbRD9ox/ZLbvuf63900fr8v3s9+mKrR+FvL0DT9M+2Z+x3i3XmeV9/bKZNuM8dcZzXQUVTd3cmytb5GFqfhhNTuNQle7eJrqOARNGo3QSQszK4J68sOMdvenXOjalqOk3Vnqup28hm2BGt7Mxqm1txJBdiScY6ge1bdFIZl3eirea5HfyTEIlnLaNEF+8JGQ53Z4xs6Y71mr4c1ZNAg0k6np09tFD9nZLnTDIsiAKFJHmj5hg89DnoMV01FHS39f1qHW/9f1oVdLsF0vSbWwjlkmW2iWJZJTlmAGMmrVFFNu7uJaKwUUUUhhRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAY93+48SRSycJcW/lKx/vqxOPxB/SqmtLLdXVnYLMkVvcFvP/AHgV3UD7qg8kHvit27tIb23aG5Tch564IPYg9j71kS+H7l7mOVdRVjDnynmtw7oD/tZGfxFddOpHRt2scdWnLVRV0/6Yt7GrTadZW4AZZ0kCj+BE5J+nAH41rXf+oH++n/oQqGx02KyLSb3mnkADzSHLNjt7D2FTXf8AqB/vp/6EKxqSUtEb04ON2+olFFFZGojfcP0p1p/x5Qf9c1/lTW+4fpTrT/jyg/65r/KgCaiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKhu/9QP99P8A0IVNUN3/AKgf76f+hCgBKKKKAEb7h+lOtP8Ajyg/65r/ACprfcP0p1p/x5Qf9c1/lQBNRRRQBl6B4gs/EdhJdWAkVY5mhdJQAysvqAT1GCPYinaJrtp4gtZ7iw8zyobh4NzgDeVx8wwTwcjHf2rh7BLuw0izGnLIP7eiNmXQZ8mYO2JMf9cy5z/0zFWJTZabo97YSW1l9ifWjb77/m2t1WJSGkHRh8oAUkAkjkUlr9343S/UH/XpZv8AT8D0KivLontV8OmK5mRtPh8RIAbSJ4YljKBjsXcSsZyTwcYJI4NdP4XGn/2/qh8NiEaP5cI/0XHkG4+beU28Z2+XnHf3zTWv9eSf6ien9edjX1rX7PQVtmvvMIuJhEvlgHZnq7c8KOMntmrNxqEVtqNpZOrmS737CAMDYMnPPvXK38d9r/iPU1srOzvLO1tm04m4u2hw8gDS42xvnjYO2MGmaZqNxf3Ph03O039qLu2uVzx50aBT+eAfoaV/dv8A1/X+Y+tv6/r/ACO3orzC1OiPY+H2UR/8JD/aEH2/H/HwJN/7zzv4sbum7j7uO1SQ2y3euz/2pq2l2WsrqZ8tZbNjehBJ+7WN/NBMZTA4XbgtnPzGqS1/ry/zE9P69f8AI9BsNQi1D7R5Kuv2ed4H3gDLL1I56c1arzG8Ohm38RLNsbXvt8v9nqx/fiQ7fLMGeR8+MlfQ5raEENvqnibVrqxF9eWUaNGo+8D9nG4IQMqW6EjnFTf3U/L9Cre9bzf5naUV5/4Ra1j8YqumS6UbefTmeRNIgKQhg6YDNuIkdQx5wpweRyKk8Vok3izy9bu9KtdO+xr9lOr2plhaTc3mbSZEUOBs65OOmOab0t/Xf/IS1v8A12/zO8orzXU4hbQ2iWl5JeRx6fGuuXKIVaS03AqSCch9u/qSdhfvtqxdnwoviDW1177L9n+zW/2VJcbCvlH/AFI6b8Yxt+bGMUPRX/r+v+CC/r+v66dz0KiuG0jTpbvWrFtbgFxf22iQSBbkBtswd8MR/eB79RzWb4Yt4ZrvT57rWNNh1mNna9hismW+dtreYkreaSVB5yUxwu3HFG39ebX6B/X4XPS6ikmeOeFFt5JFkJDSKV2xYGctkg89OAa82so9IOj39it7pKxCOAya5CMx3OZM+XdDI+Y4IbL8hj93OK1NJmjmudBawsLWyAe9VI7Rt1u5Cj54zgZRjz0H9aOjYdbHdUV5xYjS303SzaiH/hLvtMJuu12H3jz/ADP4tm3f1+XG3H8NOmsLWCwutXSFft8fiHEdweXRTcqpVT2UgnIHByaa1dv66f5h0v8A11/yPRaKKKQBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFQ3f8AqB/vp/6EKmqG7/1A/wB9P/QhQAlFFFACN9w/SnWn/HlB/wBc1/lTW+4fpTrT/jyg/wCua/yoAmooooAKK5yw8e+HtSu7eC1ubofapWht5p9PuIYZpBnKLK6BGPytgBucHFdHR0uBVvtPi1D7N5zOv2adZ02EDLLnAPHTmrVIzKilnIVVGSScACmQTw3VvHcWsqTQyqHjkjYMrqRkEEcEEd6AJKKKKAMlNCLX0Vzf6pe36wOZIYJxEsaP0DYRFJIBONxI5z1wa1qKKACiiigAooooAKq2+nxW2o3l4jOZLvZ5gJGBtGBjirVFABRRRQAUUUUAFFFFABRRVG4LSXzRPcNDAkSu20hcklh97t0FZ1J8i2GlcvUVlSzQWqlk1Uoh7FhKc+2cmm2erRPfCE3nnq6gITEV+bPTpXP9cpqShLRvzX+d/wAC/Zu10a9FFYOteM9H8P3iW2qf2ijyOqI0OlXUyO7fdVXjjZSx9Ac12GZvUVBY3kWoWUd1AsyRyDKrcQPC45xyjgMv4gVPQAUVWn1G1ttQtbKaXbcXm/yE2k79gy3OMDAPerNABRRRQAUUUUAFFFFABRRRQAUUUUAFQXV7b2Soblyu84XClsn8BU9VNQszdxqUYpLGdyEetAEf9t2H/PST/vw/+FIdcsAMmWQD/ri/+FZDXVzHI0csjq69QTUlsLrUJDGsriPo7E9vSmI6GORZY1kjOVYZB9RUd3/qB/vp/wChCnxRrDCkafdQADNMu/8AUD/fT/0IUhiUUUUAI33D9Kdaf8eUH/XNf5U1vuH6U60/48oP+ua/yoAmooooA8e8M/bIvDvhZtfuLaTw8+qSGMQQGOSC4E7mDzXZ2DoXyPlCEN5Y5BNWtT1q6PiGy1rS3ura2l8QJppkutbk/wBIIlMUiJZANFswGwxKv8u7Hr6W2j6Y+lnTX060awbramBTEfm3fcxjrz0681APDOgjUpdQGiacL2ZlaS5+yR+Y5UgqS2MkgqpHoQPSiOjXk/8AL/KwS1T9P8/8ziEgkGuahY6/canPLqcV5LZ3tnq8v2aWFW4j8pWXyZEXaMquDg/OSxFY9iNQi8P+BNB0ZpHtNS0s3cv2jXbm1M8qxRYjSdVd1ADM3lptGF7AEH1Kx0DR9Mvri903SbG0urok3E9vbJHJMScncwGW555qFvCnh59LbTG0HTGsHl85rQ2cflNJ/fKYxu98ZoWi+78L/wCd/VA9Xf1/G3+X4nF21hrE2o+HNG1zWJ/Lc6h5o07VJWLxo6eXG84COzJnaWwGOCCTls3tAa4sfHDwazPfXNxfm5lsbyHUnms5oVcYjMBO2KRFKjIXBwTvJJFdjbaTp1lHbJZ6fa26WiMlusUKqIVPUJgfKDgZA9KisdA0fTL64vdN0mxs7u6JNxPb2yRyTEnJ3MBlueeaOodLGhRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVzXiSYpdGIdJIkz9AzV0tFcuKw7xFL2adi4S5Xc88rU8Ow+bqysRxGpb+n9a6+ivKoZMqVWNRzvZ32/4JvLEcyasFcn4+/wBX4d/7D9n/AOhGusqK4tLe78v7VbxT+VIJY/MQNscdGGehHY17/VPs0/udzleqa7pr70cO6R+IfEPildZ1jUNOGjskdtHa6jJarBCYVf7QwRlD5Yvy+5f3eAPvZpaFeXnjDVNOsfE15fWZXQLW+WC0u5LNrqWQsJZCYirELtQbc7R5nIztx3OpeHdF1i5guNX0ewv57f8A1Mt1apK0XOflLAkcjPFO1XQtI16GOHXNKstSijbciXlukyqemQGBwaFov689fnv8vub1v/Xb/hv6d+D0W+uLy/8AC0l3eNcCGbVYYb2UgmaGMlI5Cehyiqd3fr3rS8Bm4stSudM1p7+XWFtY7ia4fUXurS8RmYCaEMf3WSDlAqAcAbgAa7H7BZ5gP2WDNspSA+WP3SkYIX0GBjA7VBpWg6RoUckeh6VZaakrbpFs7dIQ59SFAyaF8Tf9f1/XZqelv6/r+vW/RRRQMKKKKACiiigAooooAKKKKACiiigDH1uNfPt22jLBwTjr8tXNJVV0q32gDcgJ9zVXXFk3W7Rwyyhd4IjQsRlcdqu6cjJplurqVYRgEEYI4oAs1Dd/6gf76f8AoQqaobv/AFA/30/9CFACUUUUAI33D9Kdaf8AHlB/1zX+VNb7h+lOtP8Ajyg/65r/ACoAmqvqErwaZdSxHa8cLspxnBAJFWKqar/yBr3/AK95P/QTQAJp900asdVuOQD/AKuP/wCJp39m3X/QVuP+/cf/AMTWZq19PDcRJBKybYxnH0rLkup5mzJKzH614mIzinRqSp8rbR0RoOSvc6f+zbr/AKCtx/37j/8AiaP7Nuv+grcf9+4//iai8PzNLZMrEkq3emaP4n0/VYbZWubaC+uFZlsjcKZcAkZC8Ej5Seleph6yr0o1F1MZR5W0WP7Nuv8AoK3H/fuP/wCJo/s26/6Ctx/37j/+JqZ9X02PUk06TULVL5xlbZplErDrwucnoao654o07RYLhTdWst9DH5gsjcKsrj/d5PTnpW5JY/s26/6Ctx/37j/+Jo/s26/6Ctx/37j/APianbU7Bb5bJr62W7ckLbmZfMYgbiAuc9CD9OaZZ61peoXUltYalZ3U8WfMignV2TBwcgHI54oAj/s26/6Ctx/37j/+Jo/s26/6Ctx/37j/APiaivvEmm2kd8kN7aXF7ZwPM9mtwvmfKucFeSPrjvVy21G2uGgiM0SXU0AnFv5gL7DjnHUjJxnFG/8AX9dgIP7Nuv8AoK3H/fuP/wCJo/s26/6Ctx/37j/+Jqze39nptsbjUbuC0gBAMs8gRQT0GTxVOfXraO805Imiltr5JJBdLKNiqiht2ehBB65oAf8A2bdf9BW4/wC/cf8A8TR/Zt1/0Fbj/v3H/wDE1bF7anyMXMJ+0jMH7wfveM/L/e4547VNQBnf2bdf9BW4/wC/cf8A8TR/Zt1/0Fbj/v3H/wDE1o0UAZ39m3X/AEFbj/v3H/8AE0f2bdf9BW4/79x//E1o0UAZ39m3X/QVuP8Av3H/APE0f2bdf9BW4/79x/8AxNaNFAGd/Zt1/wBBW4/79x//ABNH9m3X/QVuP+/cf/xNaNFAGd/Zt1/0Fbj/AL9x/wDxNH9m3X/QVuP+/cf/AMTWjRQBl6e0267inmaYwz7FdlAONinsAO5o1Bpt1pFBM0Jmn2M6qCcbGPcEdhRZf8feo/8AX1/7TSi9/wCPvTv+vr/2m9AD/wCzbr/oK3H/AH7j/wDiaP7Nuv8AoK3H/fuP/wCJrRooAzv7Nuv+grcf9+4//iaP7Nuv+grcf9+4/wD4mkm1GX/hJLbTLZUK+Q9xcswJKLnagHPBZsnnsjfhpUAZ39m3X/QVuP8Av3H/APE0f2bdf9BW4/79x/8AxNaNFAGd/Zt1/wBBW4/79x//ABNH9m3X/QVuP+/cf/xNaNFAGd/Zt1/0Fbj/AL9x/wDxNH9m3X/QVuP+/cf/AMTWjRQBnf2bdf8AQVuP+/cf/wATR/Zt1/0Fbj/v3H/8TWjRQBnf2bdf9BW4/wC/cf8A8TR/Zt1/0Fbj/v3H/wDE1o0UAZ39m3X/AEFbj/v3H/8AE0f2bdf9BW4/79x//E1o0UAZ39m3X/QVuP8Av3H/APE1QtJxe6rd6fBrFwZrTG/5IcNnrjAycHg+hrZvhdNYTLp5RblkIjaQ4VSe/Q9OuMc1xGkeDNe0fU4ry3urPKEb0ErjzFzyp+Tv+nXtQB1Nr58WpXVtNcvcKkcbKXVQRktnoB6Cp7v/AFA/30/9CFRJ/wAh68/64w/zepbv/UD/AH0/9CFACUUUUAI33D9Kdaf8eUH/AFzX+VNb7h+lOtP+PKD/AK5r/KgCaqmq/wDIGvf+veT/ANBNW6qar/yBr3/r3k/9BNAHPajJ5t859ML+XFVuvSuuGk2cyrI8I3MASc9TViKxtoBiOFB+Ga+Xnk1arVlOUlqzsWIio2SMXw1JiaaI913fl/8ArrnNOgeTwzp2iw6NeW2oLqKXDyPaOiRBZt7SmTG3JQEYzu+bGK9BWKNH3Kiq2MZAxT693B4d4akqbd7f53OapLnbZ57a6TKby5sNYudcWWXVDchLeyjaCX96Hjk87yjtAAUHLgjaQOwpupwyp4W1nRp9HvLnUZr2SdWis3aOUNLvSQSY25VcDGd3y4A6V6JRXWtP69P8iHrf+u/+ZyV3pN7cSeMPsMTQ3d5EkVtOw27/ANwBwx98jPY01T/at1oUWlabdae+mlmkaezaFbdPJZPLBYBXyxX7hI+XOeldfRS6WGcPYZj8By6G+l3yanBYTpJmzcq0uxgzrJjaxdiSNpJO7p1q54OtrrSZJbLVreaS9nVZv7Q8pis6Y4RjjEZQfLsJx3HU46yq1/ptjqluINTsre8hDbhHcRLIoPrgg88mnfVvuLpY53xXa3f9v6TfrNqEVnbpMjyafbrPJFIwXaxQo5IIDLlVJGewJqLTtKEF9ohtkv5rYyXksr3kARgZOfmUKoQMckAgdeldLYaVp+lRvHpdha2SOdzLbQrGGPqQoGat0dLAcj4X029j1Zkv4ZEg0aJ7Kzdwf3qs+d4z1xGsS59dwrrqKKA6hRRRQAUUUUAFFFFABRRRQAUUUUAZdl/x96j/ANfX/tNKL3/j707/AK+v/ab0WX/H3qP/AF9f+00ovf8Aj707/r6/9pvQBqUUUUAYfhv/AE37brTYP9oTfuSP+eCfLH+fzP8A8DrcoooAKKKKACiiigAooooAKKKKACiiigAooooAr3zMllIyEqRjBBx3FY/2mf8A57Sf99mrPir/AJFm7/4B/wChrXnFdlDDe2jzXscOIxfsZ8trnpaf8h68/wCuMP8AN6lu/wDUD/fT/wBCFRJ/yHrz/rjD/N6lu/8AUD/fT/0IVxncJRRRQAjfcP0p1p/x5Qf9c1/lTW+4fpTrT/jyg/65r/KgCaqmq/8AIGvf+veT/wBBNW6qar/yBr3/AK95P/QTQAl1q62HkxtGXygJwelUpPEr7v3MC4/2jVDVpPMvuOioo/SqNfH4vMsQq04QlZJnfTow5U2jstMvjf2vmMoVgcECrMM8VzCstvKksbfdeNgyn8RWL4ak+SaM+oIrnNHm1PS/CWmanHqe+L7WsBsfKQRujzmPG7G/eN2c7scY219HgazrYeEpbv8AO9jkqR5ZNI9Apk88VtC01zKkMSDLPIwVV+pNcTb6z4k1S8kvNOtb8wx37QLCBai2aJJNjlizeduwGORgZxwR1g12fUdX8H6xqf8AajRQJcSwJZeSnl+Wkvl/MSN+84JyGA5HHr2rUzen9f12PQKK5G/1fUbO98R35u3a00eMPFZpGmJSYQ2HYruxnngg9eo4qZp9U0W70qW71aXUo752inhaCNVU+U0gaLaoIAKEYYtweuRmlfS4zppZY4YXlmdY40Us7ucBQOpJ7ClVldAyMGVhkEHIIrjA2pan4DutavNUkZLzTZpjYrFGIo1aMlQDt35Axkljk54HGJvDFxJ4o0udryZ4rERfYjpo+SRcDBeRhh1ZhyACAFIPJPDs7tdv+CLTR9/+AdXFPFOGMEqSBHKMUYHaw4IOO49KfXNeBoIrXSb+C2iSKGLVLtEjRcKqiUgAAdBU+tzag+v6Vp9jfvZRXKTtM8caM/ybCNu9SAeSOh4J9qO3nb8g6s3qK4m816/i1mG40+51C5sjqSWcm+CBLUZfy2VScTFgf4hlcg9umhpV9f8A/CTTWus3l1BO7Stb2bQR/Z5Yg2FaOQDduAwWVmzyflxg0LUHp/X9djpqKKKACiiigAooooAKKKKACiiigDLsv+PvUf8Ar6/9ppRe/wDH3p3/AF9f+03osv8Aj71H/r6/9ppRe/8AH3p3/X1/7TegDUooooAKKy7rxDZWd08EsOpM6HBMOmXMqn6MsZU/galvdZtbBYmnivmEy7l8iwnmwP8Aa2Idp56HBoAv0VXsr2LULbz4EnRMkYnt5IW/75cA/jirFABRRRQAUUUUAFFFFABRRRQAUUUUAZHir/kWbv8A4B/6GtecV6P4q/5Fm7/4B/6GtecV7GB/hv1/yPEzD+KvT/M9LT/kPXn/AFxh/m9S3f8AqB/vp/6EKiT/AJD15/1xh/m9S3f+oH++n/oQrxz2xKKKKAEb7h+lOtP+PKD/AK5r/Kmt9w/SnWn/AB5Qf9c1/lQBNVTVf+QNe/8AXvJ/6Cat1U1X/kDXv/XvJ/6CaAM+bQbieQyrImH+YZ7VLD4a/wCe8/PogrYSaOOONXdVJQYBNRyalZxNiSdQfzryJZfgYyc5/izdVajVkQ2GkrYXDSRyMwZduCPcVVtPCOi2NxDNbWrr5EhljjNxI0aOc5cRliu7k/NjPPWteGeO4j3wuHX1FPr0aFOnSglS2MpNt+8ZZ8N6YdSa+WGWOV5RM6x3MiRySDGGaMMEY8Dkg9BUN34R0W+mnkubV3Fw++aIXEixO/HzmMNt3cD5sZ4zmtqittiSsmnWiTXcghUteY+0biWEmF28g8dBiqmn+HNM0y4Sa0hkDRqUiEtxJKsKnqI1diEHAGFA4GOlalFAGPH4V0iEziK3lWOdZFeAXMvlAPnftj3bVJyeVAPJ9atxaPYwagt7BCY7gQrAWWRgHRfuhlzhsZOCQSMnFXaKAM1tMls7SSPQJLezkluHnka4hedWZyS3AkUgknPXA9KLTTrk3Md1rE1rdXUG5YJLaB4AisBuBUyPnOBzWlRQBjHwnozXf2hrVy4nFyqG4k8tJd27eqbtqnPUgDOTnqasWmg6fY3zXcEcpmO7aZbiSRY9xy2xWYhMn+6BWjRQAUUUUAFFFFABRRRQAUUUUAFFFFAGXZf8feo/9fX/ALTSi9/4+9O/6+v/AGm9Fl/x96j/ANfX/tNKL3/j707/AK+v/ab0AalFFRtcQoxV5Y1YdQWANAGfdeHrK8unnlm1JXc5Ih1O5iUfRVkCj8BUt7o1rfrEs8t8ohXavkX88OR/tbHG48dTk1a+1W//AD3i/wC+xR9qt/8AnvF/32KAGWVlFp9t5EDzumScz3Ekzf8AfTkn8M1YqL7Vb/8APeL/AL7FH2q3/wCe8X/fYoAloqL7Vb/894v++xR9qt/+e8X/AH2KAJaKi+1W/wDz3i/77FH2q3/57xf99igCWiovtVv/AM94v++xR9qt/wDnvF/32KAJaKi+1W//AD3i/wC+xR9qt/8AnvF/32KAJaKi+1W//PeL/vsUfarf/nvF/wB9igDP8To8nhy6SNWdjswqjJPzivPvsN3/AM+s3/fs16XeyJJp8hjdXGQMqc9xWNXVRxLpR5Ujjr4WNaXM2aKf8h68/wCuMP8AN6lu/wDUD/fT/wBCFRJ/yHrz/rjD/N6lu/8AUD/fT/0IVynYJRRRQAjfcP0p1p/x5Qf9c1/lTW+4fpTrT/jyg/65r/KgCaqmq/8AIGvf+veT/wBBNW6qar/yBr3/AK95P/QTQBja3Jvu0X+5Gv8AKs2rV9vkvHJVuuBx6UkNhdT/AOqhYj1xXwGJU62Jm4pvVnpwtGCubnhuTdayp/db+dZeheL2l0mxk1S2vCk8xgbUDEiwiQuVVSMhsZAXdt25I5rR0K2ubW6kSeJkVkyCe5yKy7Pw7ro0mz0W+awFjBcrPJcQyuZHVZPMWMIUAHzBQW3dAeK+uyzm+rQjNWtp+P8AkcNa3M2jVl8U20V0y/ZLt7SO4FtJfqqeSkhbbtOW3nDEKSFIB78HGd4i8XSW2kajJpdpeYtnMP8AaCxo0SShgCMFtxwflJ2lQe/BqGz8Giw1SQjRdCvYXvGuFvrmP/SYwz7yuPLO4gkgNvHGOOOVvPDmuHRtQ0SxewNnczyTR3M0r+Yod/MZCgQg8lgG3dCOOK9FdL/1t/wf63yfW39b/wDANl/EltHqt5ZtbXOyxXfdXRCCKFdm8Ektk8ccAnjnjmm2fiWO5u7aC402/sVvATay3SIFmwN2MKxZTtycOFPB7jFRXPhtr5fEMFzKqQauqojJyyARBCSPqM1GulavqdxYLrq2UcFixk3Wkrs1w+xkBKso8sYZjjLc4GeOUMbc+KHutFvrrS7K9WBbaaS31Fkj8p2RTggbi2MjglQD9CM2bPXJdRglttLi+03cNspe4kwtusxUERsw53c5IVTgdcEgVStdG1yDwzL4fcWDWsdnJawXQmcO42lY90ezC8YyQzdOBzxZ8OaFd+HMWFu8MmlFN6oznzIJTy4Xj5kJOeSCOeoxh6Xfy/UT6f12JPCd9fX+m3TapNHNcQ31xAXij2LhJCowuTgcdyT7mtysrQNLm0q2vI7ho2M99PcLsJOFdywByBzg81q0dF6L8g6v1YUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBl2X/H3qP8A19f+00ovf+PvTv8Ar6/9pvRZf8feo/8AX1/7TSi9/wCPvTv+vr/2m9AGpVP/AJeJ/wDfH/oIq5VP/l4n/wB8f+gigB1Fc9qEF9JrTNoMM9tcBl+0XMz4tZBgcGM5MjAbeVC5xt8wYxXQLuCjeQWxyQMAn6UdAFooooAKKKKACiiigAooooAKKKKACiiigCCb/jxuv+ug/ktZlac3/Hjdf9dB/JazKANFP+Q9ef8AXGH+b1Ld/wCoH++n/oQqJP8AkPXn/XGH+b1Ld/6gf76f+hCgBKKKKAEb7h+lOtP+PKD/AK5r/Kmt9w/SnWn/AB5Qf9c1/lQBNVTVf+QNe/8AXvJ/6Cat1U1X/kDXv/XvJ/6CaAL8Sgwx5APyjqPapKwNS1Se0liS3YACMZBGe1Z0mr3sjZ89l/3TivHr5tQozcGm2jeNCUlc7Cis3Q7qS6syZnLurck1n2fjG3uxayvpl/bWl3ObeG7mERjZ8kAELIWGSpAJUDOPWvSoVY1qcakeplKPK2mdFRRRWxIUVU0zUYtW02K9t1dY5c7RIAGGCR2J9Kt0AFFFFABRVQ6jENZXTNr+c1ubgNgbdoYLjrnOT6VboAKKKKACiiigAooooAKKKKACiiigAooooAy7L/j71H/r6/8AaaUXv/H3p3/X1/7Teiy/4+9R/wCvr/2mlF7/AMfenf8AX1/7TegDUqk5KXE2Uk5YEEISD8o9BV2igCl5n+xL/wB+m/wo8z/Yl/79N/hV2igCl5n+xL/36b/CjzP9iX/v03+FXaKAKXmf7Ev/AH6b/CjzP9iX/v03+FXaKAKXmf7Ev/fpv8KPM/2Jf+/Tf4VdooApeZ/sS/8Afpv8KPM/2Jf+/Tf4VdooApeZ/sS/9+m/wo8z/Yl/79N/hV2igCl5n+xL/wB+m/wo8z/Yl/79N/hV2igDOlz/AGfckqwBcEblI/u+tZlbeof8eEn4fzFYlAGin/IevP8ArjD/ADepbv8A1A/30/8AQhUSf8h68/64w/zepbv/AFA/30/9CFACUUUUAI33D9Kdaf8AHlB/1zX+VNb7h+lOtP8Ajyg/65r/ACoAmqpqv/IGvf8Ar3k/9BNW6qar/wAga9/695P/AEE0AYGpyeZfMf7oC/kMVTrqDoNrPiUs4Ljc2D3NTw6LZQ/8st59XOa+TqZTiataUm0rs7VXhGKRneGpPnmj9QG/z+dctoqPp3h/RdV1G7ludKS7k82CUKEtWMrCOUFVBIDcEOWA3buNtehQ2VvbymSGIIxGCR6VPX0GCoTw9GNObvY5qklOTaPMoLdbzXZv7U1fS7LWV1MmNZbJjehBJ+7WN/NBMbJgcLtwWzn5jWvoZ0R9an/t77KfEg1CXYJwPPVdx8rys/N5fl7fu/L97POa7aiuxaW/rt/kZvW/9d/8zzb7TZnwzoNjqUelpDMJ5BdaunmQRsr4CiMlQznccZYYAOM9KpiSz/4RHSJ9Sm0+6a1W6WLS9UVkW6USlQIwxJWRQAqghiA2OOteq0UhnBxPp0XjqGRY7K/uriVF8iTi+0zEQ6dSYvX7oBY8tmt/xk0q+F5zGJPK8yL7SYiQwg8xfNIxz9zdnHbNbU0SzwPE5cK6lSUcowB9GBBB9wc1RsdDtNPuPPglv3fBGLjUZ5l/75dyPxxT8hLQ4l/7PXWtSbwCtuZP7Cm8r7AB5Jl3rjbt+Xf0zjn7ue1R6Va6ebW7udM1jSZXGlTi4ttPs2ikkyow05MrneD/AHgGyW969LopNXjb+uv+Y1o7/wBdP8jgLLw3pH9reHYjYxNHdaXI90jLlbplEW0yjpIQWYgtnmuh8FjZ4XhiUnZDNPDGCc7USZ1VfoAAPwreoqm7/wBeZKVkFFFFIYUUUUAFFFFABRRRQAUUUUAZdl/x96j/ANfX/tNKL3/j707/AK+v/ab0WX/H3qP/AF9f+00ovf8Aj707/r6/9pvQBqUUUUAV76/tNNtTc39xHbwggbpGxknoB6k9gOTU6sHQMM4YZGQQfyPSsW/0GV9YGsadcqt6ibVju086EcYO3+KMkYBKEA9SrGtpSxQbwA2OQDkA/WjoAtFFFABRRRQAUUUUAFFFFABRRRQAUUUUAVtQ/wCPCT8P5isStvUP+PCT8P5isSgDRT/kPXn/AFxh/m9S3f8AqB/vp/6EKiT/AJD15/1xh/m9S3f+oH++n/oQoASiiigBG+4fpTrT/jyg/wCua/yprfcP0p1p/wAeUH/XNf5UATVU1X/kDXv/AF7yf+gmrdVNV/5A17/17yf+gmgCSbVILIRRzbssgOQM1Vk8SQK37uJnHrnFZWsSb70AdFRR+lZ9fJ4vNcRCtKFNqyfY7YUYuKbO1sb1b6381FK84IJqzWF4dnCW1wHOAnzfh3rCu7/V9V0/QdTuPsQsb3UbaWOCONhJCpfKEuWIc4xkBVxnqcc/Q4Gs69CE5bu1/vsctSPI2d1RXFDxlf3N+8lhayTWkd6bb7Oul3LtIqvsaQTgeWuDk7SDwuCQTw+78R6/FFfXtvFp721pqQslt3Vw8oLqgbzN2FILjjac4PSuta/16f5oh6f16/5HZUVzttcy3c+raR4oNlPDbRxTNLHG0UbxNuJDqzN0KHPOCDyOtZNtoh1LRvEEegWsVlpuooiWUEqeVE5C4eQIB8qNwOnON2OQSAdxRXA3UlvaWF7osWjWmhXEl1ZxXH9nlfLmhmkC5DhEOcB1OVBHbrVfxDBZ6BPq9pYRx2mnm2s7t7eFAscbi52lgo6ZVRnA52+tH9fhcP6/Gx6NRWT4f1K71m0bUpFhisbkB7KMAmTy8ffc5xluoUDgdSTwNagAooooAKKKKACiiigAooooAKKKKACiiigDLsv+PvUf+vr/ANppRe/8fenf9fX/ALTeiy/4+9R/6+v/AGmlF7/x96d/19f+03oA1KKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigCtqH/AB4Sfh/MViVt6h/x4Sfh/MViUAaKf8h68/64w/zepbv/AFA/30/9CFRJ/wAh68/64w/zepbv/UD/AH0/9CFACUUUUAI33D9Kdaf8eUH/AFzX+VNb7h+lOtP+PKD/AK5r/KgCaqmq/wDIGvf+veT/ANBNW6qar/yBr3/r3k/9BNAGTc6RezTtIsYZXOVO7tT4fDly/wDrXWP2610cP+oj/wB0fyp9eR/ZGGc3OV3fzN/bztZGVpmkyWFw5d1kjdCMY9xVOPwbax/ZY/7R1BrSyuFuLW0MieXCVbIAwm4qMkYZjgdMYFdDRXo0KEKEeSnsZSk5bmND4cS1vpJrLUr62t5Z/tEllGyeUzk5PVC6gkZIVgDk8cmnyeHbSSyubVpJtlxeC8chhkOHV8DjplR74zzWtRW239f12JMXVPDFrqpvTLcXMLXqwrIYivAiYsuAykHJJyCCCKkXRrv7NNFL4g1OUybdkhW3VoiDnK7YgDnGCGBGO1a1FAGIPCtm9pex3lxdXk97s867lcCX5DlNuwKq7TyMAc8nJJo/4Ra3ktbqO8vLu7muniaW5lKCQiNgyKNqhQoIPAX+I9zW3RQBn6do0GlXNy9lJKkFw/mG1yvlRufvMgxkZ6kZxnJxkmtCiigAooooAKKKKACiiigAooooAKKKKACiiigDLsv+PvUf+vr/ANppRe/8fenf9fX/ALTeiy/4+9R/6+v/AGmlF7/x96d/19f+03oA1KKKKAOe1nXbi21Iaehj0uNwP+JleoTE2eix4+UvnjDsp7hXFS67rx0M28ZuNIUyKcnU9TFozYxyoEbbvfpitqSNJY2jlRXRwVZWGQwPUEUqqqIFRQqqMAAYAFAFDRNT/tbTRdeZYyZYrusLv7THx/t7V59sVoUUUAFFFFABRRRQAUUUUAFFFFABRRRQBW1D/jwk/D+YrErb1C5Sz0+e5mhaaOFC7ogBJA5J5IHA5/Cuag8b6Lc3McEGnXLSyuERfKjGSTgDlqANtP8AkPXn/XGH+b1Ld/6gf76f+hCok/5D15/1xh/m9S3f+oH++n/oQoASiiigBG+4fpTrT/jyg/65r/Kmt9w/SnWn/HlB/wBc1/lQBNVTVf8AkDXv/XvJ/wCgmrdR3Ey21rLO4JWJC7AdcAZoAii1vTBCgN/bghR/y0FO/tzS/wDn/t/+/gpv2i5/6Bl1/wB9xf8AxdH2i5/6Bl1/33F/8XQA7+3NL/5/7f8A7+Cj+3NL/wCf+3/7+Cm/aLn/AKBl1/33F/8AF0faLn/oGXX/AH3F/wDF0AO/tzS/+f8At/8Av4KP7c0v/n/t/wDv4Kb9ouf+gZdf99xf/F0faLn/AKBl1/33F/8AF0AO/tzS/wDn/t/+/go/tzS/+f8At/8Av4Kb9ouf+gZdf99xf/F0faLn/oGXX/fcX/xdADv7c0v/AJ/7f/v4KP7c0v8A5/7f/v4Kb9ouf+gZdf8AfcX/AMXR9ouf+gZdf99xf/F0AO/tzS/+f+3/AO/go/tzS/8An/t/+/gpv2i5/wCgZdf99xf/ABdH2i5/6Bl1/wB9xf8AxdADv7c0v/n/ALf/AL+Cj+3NL/5/7f8A7+Cm/aLn/oGXX/fcX/xdH2i5/wCgZdf99xf/ABdADv7c0v8A5/7f/v4KP7c0v/n/ALf/AL+Cm/aLn/oGXX/fcX/xdH2i5/6Bl1/33F/8XQA7+3NL/wCf+3/7+Cj+3NL/AOf+3/7+Cm/aLn/oGXX/AH3F/wDF0faLn/oGXX/fcX/xdADv7c0v/n/t/wDv4KP7c0v/AJ/7f/v4Kb9ouf8AoGXX/fcX/wAXR9ouf+gZdf8AfcX/AMXQA7+3NL/5/wC3/wC/go/tzS/+f+3/AO/gpv2i5/6Bl1/33F/8XR9ouf8AoGXX/fcX/wAXQA7+3NL/AOf+3/7+Cj+3NL/5/wC3/wC/gpv2i5/6Bl1/33F/8XR9ouf+gZdf99xf/F0AQ6ZNHcS38sDrJG118rKcg/IlGpzR28thLO6xxrdfMzHAHyPU32i5/wCgZdf99xf/ABdH2i5/6Bl1/wB9xf8AxdADv7c0v/n/ALf/AL+Cj+3NL/5/7f8A7+Cm/aLn/oGXX/fcX/xdH2i5/wCgZdf99xf/ABdADv7c0v8A5/7f/v4KP7c0v/n/ALf/AL+Cm/aLn/oGXX/fcX/xdH2i5/6Bl1/33F/8XQA7+3NL/wCf+3/7+Cj+3NL/AOf+3/7+Cm/aLn/oGXX/AH3F/wDF0faLn/oGXX/fcX/xdADv7c0v/n/t/wDv4KP7c0v/AJ/7f/v4Kb9ouf8AoGXX/fcX/wAXR9ouf+gZdf8AfcX/AMXQA7+3NL/5/wC3/wC/go/tzS/+f+3/AO/gpv2i5/6Bl1/33F/8XR9ouf8AoGXX/fcX/wAXQA7+3NL/AOf+3/7+Cj+3NL/5/wC3/wC/gpv2i5/6Bl1/33F/8XR9ouf+gZdf99xf/F0AO/tzS/8An/t/+/go/tzS/wDn/t/+/gpv2i5/6Bl1/wB9xf8AxdH2i5/6Bl1/33F/8XQA7+3NL/5/7f8A7+Cj+3NL/wCf+3/7+Cm/aLn/AKBl1/33F/8AF0jXVwoydMu/waI/+z0AP/tzS/8An/t/+/grm9F03RNH1+7vo7+1MJAFqhlDGPP3s5H4A56E5rf+2z/9Au8/8h//ABdH22f/AKBd5/5D/wDi6AI7S6gu9avZLWVJU8qIbkORnL1au/8AUD/fT/0IUy2vftE8sLW80EkQVisoXkNnGME+hp93/qB/vp/6EKAEooooARvuH6U60/48oP8Armv8qa33D9Kdaf8AHlB/1zX+VAE1VNV/5A17/wBe8n/oJq3VTVf+QNe/9e8n/oJoAiN/c3nik2Fo/lW1jGst2+0Eys4OyMZ6AAFiev3R3NbFc7EW0nxzdfaFIt9ZSMwTdhNGpBjPplQGHrhq6KjoHU577X4q/t7yvsFn/Zn2/Z52fn+zeRu343/e835enT+HvVfXfGtvY31pY6buuLiTUYbOdvssrQxhmAYeaBsDgHoWyD2rqa4U+EteXydPjk03+zbfWv7TWdnfzpFM5lMZQLhSCzDdubOBwuciNU0vNfp+l2dMPZy1lpb/AIOv5f0jom8VaOmrDTmumExm8jf5Enk+bjPl+dt8vf8A7O7OeMZqkfiH4XW6NudT/eCTysC3lxu37DztxgNgE9FJGcZGca38CXNvrEguLdNRsJNSa+WSTXLuEoWl83/j2UGJirdDkbsAnBzVOT4das9v5YuLLO2Yfff+O/FyP4f7gx9fbmpTnpf5/d/ma+zw/wDM+nbz1/4G50Wrazrmi6xYPdHT5dPv9RWyjtYon89QwbEnmFsMflyV2DAz8xxk19L8TXWo+Lr3TW1zQ4Pst48K6YYSbuWNVB3A+cPU8+WRxTBo3iSTxu+s6hY6VexQOYtPzqMqfZITwzCPyCDKw6nd0wowMk3Na0fVvEGp2UN3Bp9rp1jfx3qXCTtLPIYzlVCGNRHnoSGbjI75DjfR/wBdP+C/nYT5Fpptvp5/8BdzJufHd7bXFvfObL+zLjUmso7IRObp41l8lrjduwFD4OCmMEfNkgVr6X4vgkM0equkdw+qz2FpDBE7vKI2xnaNx4HLNwo74rHtvAd7bXN3YxrY/wBm3epLfS3xlc3TxrIJhb7duAofIBD4wT8uSTU2l+DNT0PxFc65p0trJc3l7MbmGaV9j2zvvXadp2Op5wBtbJzzhgoc91f+tv8Ag/j0sVUVBp236emtv69L2vpr/a/FX9veV9gs/wCzPt+zzs/P9m8jdvxv+95vy9On8PeuhoorRKyOKUubpYo3GsW0GqQaavmT3cw3GKFd3lJ/fc9FXsM9TwM1kWviRr/xE9pFqOmWkUU7Qpaz/Pc3WwkOyjeu0ZBA+Vs7SeOlWodCk0zXJL7R5UWG+l339vOS29sY8xG5KsOBt+6R029Tlt4Vvg02nxLZLp02pjUWudzCdTvEhUIFxncMB93C9uKa3V/62/T7/XQl7O39bkVz4yu7eaG9Y2n9ny37WiWgjc3DosnlNMG3YAD84K4xj5skUXPjK7t5ob1jaf2fLftaJaCNzcOiyeU0wbdgAPzgrjGPmyRRD4MuoLi6tI1s/sF1fi7luzI5uWjD+YIdu3GN+RndjBPy5Joh8GXUFxdWka2f2C6vxdy3Zkc3LRh/MEO3bjG/Izuxgn5ck0R6X/rb/g/p0CXW39b/APA/q5uNf3dn4sSxumElnfxM9qwXDRSIBujPqCPmB65DDpjGxXP3IOqeNLJYVzDpCvJPKenmyJtWMep2ksfTK+tdBR0DqcnaeJtRuPGb6X5UJhS5khkgWF/NgjWMMszSbtu1zwBtGc8ElTXWV55P4D1QXEZtk0/MV2Z5bk3Do+oIZhL5cyiMgEEDD5b7uMAMceh0L4UD3f8AX9f11uY5v7m88UmwtH8q2sY1lu32gmVnB2RjPQAAsT1+6O5rYrnYi2k+Obr7QpFvrKRmCbsJo1IMZ9MqAw9cNXRUdA6nPfa/FX9veV9gs/7M+37POz8/2byN2/G/73m/L06fw96r6741t7G+tLHTd1xcSajDZzt9llaGMMwDDzQNgcA9C2Qe1dTXCnwlry+Tp8cmm/2bb61/aazs7+dIpnMpjKBcKQWYbtzZwOFzkRqml5r9P0uzph7OWstLf8HX8v6R0TeKtHTVhpzXTCYzeRv8iTyfNxny/O2+Xv8A9ndnPGM1SPxD8LrdG3Op/vBJ5WBby43b9h524wGwCeikjOMjONb+BLm31iQXFumo2EmpNfLJJrl3CULS+b/x7KDExVuhyN2ATg5qnJ8OtWe38sXFlnbMPvv/AB34uR/D/cGPr7c1Kc9L/P7v8zX2eH/mfTt56/8AA3Oi1bWdc0XWLB7o6fLp9/qK2UdrFE/nqGDYk8wthj8uSuwYGfmOMmvpfia61Hxde6a2uaHB9lvHhXTDCTdyxqoO4Hzh6nnyyOKYNG8SSeN31nULHSr2KBzFp+dRlT7JCeGYR+QQZWHU7umFGBkm5rWj6t4g1Oyhu4NPtdOsb+O9S4SdpZ5DGcqoQxqI89CQzcZHfIcb6P8Arp/wX87CfItNNt9PP/gLuZNz47vba4t75zZf2Zcak1lHZCJzdPGsvktcbt2AofBwUxgj5skCtfS/F8Ehmj1V0juH1WewtIYInd5RG2M7RuPA5ZuFHfFY9t4Dvba5u7GNbH+zbvUlvpb4yubp41kEwt9u3AUPkAh8YJ+XJJqbS/Bmp6H4iudc06W1kuby9mNzDNK+x7Z33rtO07HU84A2tk55wwUOe6v/AFt/wfx6WKqKg07b9PTW39el7X01/tfir+3vK+wWf9mfb9nnZ+f7N5G7fjf97zfl6dP4e9dDRRWiVkcUpc3Sxnw6zayazNpcgkgu4xvRJVx56YHzxn+IAnB7g9QMjOPp/iC5vvE95YNq+kQ/Z7toVsGiJuZEChtwPmj1POwjirt1oc2ra1Hc6tKn2SxmWWxt4GZTvA/1kjcHPJAUcY67s4EWr6Xqet31rDcw2VvYWl5HdLOkzSTPsOQApQBM9Cdx4yO9Nbq/9ef/AAP+GUvZ/wBfL/gmXc+Mru3mhvWNp/Z8t+1oloI3Nw6LJ5TTBt2AA/OCuMY+bJFFz4yu7eaG9Y2n9ny37WiWgjc3DosnlNMG3YAD84K4xj5skUQ+DLqC4urSNbP7BdX4u5bsyOblow/mCHbtxjfkZ3YwT8uSaIfBl1BcXVpGtn9gur8Xct2ZHNy0YfzBDt24xvyM7sYJ+XJNEel/62/4P6dAl1t/W/8AwP6ubjX93Z+LEsbphJZ38TPasFw0UiAboz6gj5geuQw6YxsVz9yDqnjSyWFcw6QryTynp5sibVjHqdpLH0yvrXQUdA6hRRRQAUUUUAcp481w6fpgsLdl8+7BD8A7Y8YP0z0Bx2buKd4F11dR0oWExxcWaBRkj506Age3AP4c81c1vxL/AGNfJb/ZPO3Rh93mbcckY6H0o0TxL/bN89v9k8nbGX3eZuzyBjoPWtvYVOTntoYfWKfPyX1LSf8AIevP+uMP83qW7/1A/wB9P/QhUSf8h68/64w/zepbv/UD/fT/ANCFYm4lFFFACN9w/SnWn/HlB/1zX+VNb7h+lOtP+PKD/rmv8qAJqqar/wAga9/695P/AEE1bqpqv/IGvf8Ar3k/9BNAGnRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHC+N/8AkNw/9e6/+hNR4I/5Dc3/AF7t/wChLR43/wCQ3D/17r/6E1Hgj/kNzf8AXu3/AKEtex/zC/I8T/mM+Z06f8h68/64w/zepbv/AFA/30/9CFRJ/wAh68/64w/zepbv/UD/AH0/9CFeOe2JRRRQAjfcP0p1p/x5Qf8AXNf5U1vuH6U60/48oP8Armv8qAJqqar/AMga9/695P8A0E1bqpqv/IGvf+veT/0E0AadFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAcL43/AOQ3D/17r/6E1Hgj/kNzf9e7f+hLWt4i0qC+1COSVpAwiC/KR6n296PDulQWOoSSRNIWMRX5iPUe3tXofWIew5OtjzPq1T6x7Tpc0U/5D15/1xh/m9S3f+oH++n/AKEKiT/kPXn/AFxh/m9S3f8AqB/vp/6EK889MSiiigBG+4fpTrT/AI8oP+ua/wAqa33D9Kdaf8eUH/XNf5UATVU1X/kDXv8A17yf+gmrdVNV/wCQNe/9e8n/AKCaANOiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAMjVf8Aj6X/AHB/M0aV/wAfTf7h/mKg8S+I5vDvkP8AYPtMM2R5glK7WHY/KRyOnPY+lHhrxHN4i89/sH2aGHA8wyltzHsPlA4HXnuPWgC2n/IevP8ArjD/ADepbv8A1A/30/8AQhUSf8h68/64w/zepbv/AFA/30/9CFACUUUUAI33D9Kdaf8AHlB/1zX+VNb7h+lOtP8Ajyg/65r/ACoAmqpqv/IGvf8Ar3k/9BNW6KAIBrulkf8AH/b/APfYo/tzS/8An/t/+/gqeigCD+3NL/5/7f8A7+Cj+3NL/wCf+3/7+Cp6KAIP7c0v/n/t/wDv4KP7c0v/AJ/7f/v4KnooAg/tzS/+f+3/AO/go/tzS/8An/t/+/gqeigCD+3NL/5/7f8A7+Cj+3NL/wCf+3/7+Cp6KAIP7c0v/n/t/wDv4KP7c0v/AJ/7f/v4KnooAg/tzS/+f+3/AO/go/tzS/8An/t/+/gqeigCD+3NL/5/7f8A7+Cj+3NL/wCf+3/7+Cp6KAIP7c0v/n/t/wDv4KP7c0v/AJ/7f/v4KnooAg/tzS/+f+3/AO/go/tzS/8An/t/+/gqeigCD+3NL/5/7f8A7+Cj+3NL/wCf+3/7+Cp6KAIP7c0v/n/t/wDv4KP7c0v/AJ/7f/v4KnooAg/tzS/+f+3/AO/go/tzS/8An/t/+/gqeigCD+3NL/5/7f8A7+Cj+3NL/wCf+3/7+Cp6KAIP7c0v/n/t/wDv4KP7c0v/AJ/7f/v4KnooAg/tzS/+f+3/AO/go/tzS/8An/t/+/gqeigCD+3NL/5/7f8A7+Cj+3NL/wCf+3/7+Cp6KAIP7c0v/n/t/wDv4KP7c0v/AJ/7f/v4KnooAg/tzS/+f+3/AO/go/tzS/8An/t/+/gqeigCD+3NL/5/7f8A7+Cj+3NL/wCf+3/7+Cp6KAIP7c0v/n/t/wDv4KP7c0v/AJ/7f/v4KnooAy9XuNE1jTJbO4vrXDg7HLA+W2OGHPb9enenaVeaPpWlW9lDqFuVhTBbf949SepxkknHvWlRQBn2l1Bd61eyWsqSp5UQ3IcjOXq1d/6gf76f+hCpqhu/9QP99P8A0IUAJRRRQAjfcP0p1p/x5Qf9c1/lTW+4fpTrT/jyg/65r/KgCaiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACqOqXklrGogCmV87d3t/wDrq9Va+skvbfYxKsOVYdVNTK9tC4OKkubY5Nte1EXAZ5SCp5ToDXT6ZqkOowgqdsg+8hrmr+2VZyl63lTL1YDhx61Ha3aWs6/YIWkk/vHOT+ArjhUlCWrPTqUYVIe6rM7eobv/AFA/30/9CFTVDd/6gf76f+hCu48kSiiigBG+4fpTrT/jyg/65r/KiigCaiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDM1u3imtQ0iBiGGDVmxs7e3gUwwqpI5IFFFZ2XObOT9mlctVDd/6gf76f8AoQoorQxEooooA//Z)

1. Make sure the Output raster is where you want it to be, and name this file suitable\_elev.
2. This expression tells ArcGIS that we want it to produce a grid that is “true” (value = 1) where dem250k is less than 600 AND dem250k is greater than 500. All other values will be assigned “false” (value=0). Click Run to execute the command. Now, you’ve recreated the classification of elevations between 500-600. This should be exactly the same as the grid you created previously using reclassify.
3. Raster Calculator is NOT just for reclassifying or True False calculations. In fact, you can do any math operations inside of raster calculator!
4. If you run into trouble with raster calculator expressions, [[30]](#footnote-30) click on the blue question mark in the Raster Calculator pane to bring up the help page (see below). If you scroll through, you’ll get some useful information![[31]](#footnote-31)

![Graphical user interface, application

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAeAB4AAD/4REERXhpZgAATU0AKgAAAAgABAE7AAIAAAATAAAISodpAAQAAAABAAAIXpydAAEAAAAmAAAQ1uocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFNvcGhpZSBBcmdldHNpbmdlcgAAAAWQAwACAAAAFAAAEKyQBAACAAAAFAAAEMCSkQACAAAAAzA2AACSkgACAAAAAzA2AADqHAAHAAAIDAAACKAAAAAAHOoAAAAIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAyMDIwOjAzOjMxIDEwOjAyOjE1ADIwMjA6MDM6MzEgMTA6MDI6MTUAAABTAG8AcABoAGkAZQAgAEEAcgBnAGUAdABzAGkAbgBnAGUAcgAAAP/hCyVodHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLjAvADw/eHBhY2tldCBiZWdpbj0n77u/JyBpZD0nVzVNME1wQ2VoaUh6cmVTek5UY3prYzlkJz8+DQo8eDp4bXBtZXRhIHhtbG5zOng9ImFkb2JlOm5zOm1ldGEvIj48cmRmOlJERiB4bWxuczpyZGY9Imh0dHA6Ly93d3cudzMub3JnLzE5OTkvMDIvMjItcmRmLXN5bnRheC1ucyMiPjxyZGY6RGVzY3JpcHRpb24gcmRmOmFib3V0PSJ1dWlkOmZhZjViZGQ1LWJhM2QtMTFkYS1hZDMxLWQzM2Q3NTE4MmYxYiIgeG1sbnM6ZGM9Imh0dHA6Ly9wdXJsLm9yZy9kYy9lbGVtZW50cy8xLjEvIi8+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczp4bXA9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8iPjx4bXA6Q3JlYXRlRGF0ZT4yMDIwLTAzLTMxVDEwOjAyOjE1LjA1NTwveG1wOkNyZWF0ZURhdGU+PC9yZGY6RGVzY3JpcHRpb24+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iPjxkYzpjcmVhdG9yPjxyZGY6U2VxIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpsaT5Tb3BoaWUgQXJnZXRzaW5nZXI8L3JkZjpsaT48L3JkZjpTZXE+DQoJCQk8L2RjOmNyZWF0b3I+PC9yZGY6RGVzY3JpcHRpb24+PC9yZGY6UkRGPjwveDp4bXBtZXRhPg0KICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICA8P3hwYWNrZXQgZW5kPSd3Jz8+/9sAQwAHBQUGBQQHBgUGCAcHCAoRCwoJCQoVDxAMERgVGhkYFRgXGx4nIRsdJR0XGCIuIiUoKSssKxogLzMvKjInKisq/9sAQwEHCAgKCQoUCwsUKhwYHCoqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioq/8AAEQgCWgJJAwEiAAIRAQMRAf/EAB8AAAEFAQEBAQEBAAAAAAAAAAABAgMEBQYHCAkKC//EALUQAAIBAwMCBAMFBQQEAAABfQECAwAEEQUSITFBBhNRYQcicRQygZGhCCNCscEVUtHwJDNicoIJChYXGBkaJSYnKCkqNDU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6g4SFhoeIiYqSk5SVlpeYmZqio6Slpqeoqaqys7S1tre4ubrCw8TFxsfIycrS09TV1tfY2drh4uPk5ebn6Onq8fLz9PX29/j5+v/EAB8BAAMBAQEBAQEBAQEAAAAAAAABAgMEBQYHCAkKC//EALURAAIBAgQEAwQHBQQEAAECdwABAgMRBAUhMQYSQVEHYXETIjKBCBRCkaGxwQkjM1LwFWJy0QoWJDThJfEXGBkaJicoKSo1Njc4OTpDREVGR0hJSlNUVVZXWFlaY2RlZmdoaWpzdHV2d3h5eoKDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uLj5OXm5+jp6vLz9PX29/j5+v/aAAwDAQACEQMRAD8A+kaKKKACisLxrrE+geDdR1Kzx58MYEbEZClmC7se2c/hUVp4M0GWxjN9Zw6pPIgL3l2PNlkJH3g5yV9tuAO1AHRUVmaHpD6Lay2xv7i8h80tALhtzQoeiburAc8mtOgAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAIL6yt9SsJrK9iWa3nQpIjdGBriF8J+LPC8YXwfrqXllH9zTdUTcFH91ZBz9BwK7PVZNQi0yZ9HhhnvFGY4p3Kq/PIyOhxnHvWXH4rQwf6To+sQ3QGGthYSPz6CRQYyPfdil10GN8I+KD4ls7lbqzew1Gxl8i7tXOdjeoPcH/PrVT4cf8io/wD1/XX/AKOarPhXSby2utW1fU4hb3WrXCyfZgwbyUVdqAkcFscnHHNUPD8k3hFr7StSsb6S3a7luLS6tbWS4V0dt20iMEqwJI5AFVfX5fjoLp8/8x95/wAlj07/ALBEv/owVSu7F9R+MM1q0rR2jaTG9wsbFTKBIwCEjnbk8+uMdCalt4tUvPipa6rc2M9vYnTpYog6H5PnU5cjhWbJwuc4A75AvQ2lyPizdXht5RatpCRicodhfzSdu7pnHOKS+z8//bgf2vl+hl+LNKXw4+mXXhOOLSp7y8SxmWBAkbrICNxQcFlOCDjNaer+DdIj0G5ltLfyNQghaSLUVJ+0iRRkMZPvNyOQTg1L40tbi6j0T7LBLN5Wr28knloW2ICcscdAPWtvVEaTSLxI1LM0DhVUZJO08VLvyN+v5IpfGl/W7Oak1KTWvg5PqF0B51xo8jyccFvKOT+dN8L+GbDU/COm3Ov20Wo3M1rG26dd4hUqNqxg/cwMcjBJ5pmm2F3H8FRYvazLd/2RJH9nMZEm4owC7eufaug8MQyW/hPSoZ42iljs4ldHUhlIQZBB6GtJJc8vl+pmr8sfn+hyvhXS21i61Wz16RtRsNHvHs7SC4O9WH3t0gP32AZVGemPU1bt4Y/DfxGtNM0tfI07VLOWRrROI4pYyPmRei5BwQOKveELW4tr3xG1zBLCJtXkkiMiFfMQogDDPUcHkVHqlpcyfE7QbqO3la3itLlZJlQlEJ24BboCalbx9P0/zKe0vX9f8ibxH/wjq30DeJLnzdybYdPcmRJDnlvJUEue2SCB7Vh291p2neN9Gj8N211Y22oGWK6tnsZraF8Rl1dVdFXcCv8ADzg1eRJtA8eatqeoWN1dW2oxxC3urW3acwhFw0ZVAWAJ5yBg1Hqb6jqnjLw3fwafcx6dbXEqkyQsrkvEw3svVFHA+YAkntxkj0CWzI/E9rJefE7w9bRzPAktpciZo2KuUBQlQw5GcYyOcE4qXxj4ctdO8Nf2j4esILW70qdb9BBEEMmz74JHXK561b1S0uZPidoN1HbytbxWlyskyoSiE7cAt0BNdQyq6FHAZWGCD3FLXlVt/wDgsbtzO+2n5I53xB4kS28By6xpzb3uYFFnjq0kmAg/Nh+VX/DWjpoHhux0xOTbxAO395zyx/EkmuD0Cwu28WQeE7mN/sHh65kvkcn5ZEbm3X8Czf8AfNeoVWlrrr+X9XJ1vZ9P6/r1CiiikMKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACqmo6lDpkAlniupQxwFtrWSdiceiKcfU4FW6KAOe8KaddRf2hq2pxGG91S480xMctFEBtjQ+4UZPuTXQ0UUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBT1PVrTSII5b5pAssgijWKB5WZiCQAqAk8A9qbpus2WqmZbN5PMgIEsU0LwyJkZBKOAwB7HGDWV4wW4f+xVs5Y4pzqcex5YzIqnY/VQyk/mKzLl7221TXo7m4judTbRzJHcWYMQiVd+1PLyxUlmLBi5zzgDHKvo2/P8FcdtUvT87HbVmwa9Y3bWP2R3mS+MgikCYHyZ3ZzgjoR0rKGrLLfeFIorwubyN5WCyZ81BATk+oyQfrVTTZ5p28NzSu88pe85dslsBgBk/lVS91slO6Op1K/i0vTZ764V2igQuwQAsQPTOKs151qHlXHw7n1q91a5F9cJtmVrpvKWQnaYBDnYMH5em7IyT1rV1p5bXWrnUbm7uJLO3khTNlqBR7QnHDwHCODnJJy2GAC8A0uthnYUVj+J7v7NpccS+eZbudLeJYZvJLMx6GTBKKcHJX5v7vOK5X7TqUWj+I7EXj20trNbCIxX8l21uzlcjzZFDH12nPUjocUAehVWvr+LT44XmV2E08cC7ADhnYKCfbJrlr1rvw5ql3FpU15eeZpE1ykN1cPPmaNgAw3kkZ38qMDgcVBfW9nb2eg3UOtXN3JfX9sd0120i3XzhiVQnamOvyAADiha29V+dv0B6J/P8r/qdzRXP+Mr27s9JtxZOkQuLpIJpXnMIRGz/wAtArFMnC7gMjdxg4NZcNtd2ltrEGq6omnWkdss2IdWlup7VuT5m+RVYKdv3SSDtI7kUulx2O0orzuDXNXfwvqup3dw9vrMZhiltpWMSWcRK/vdvzgZVmcsQccjnZir9sNa0mW6lge2K/2fLMlmdYmvpJnUAo6+agKjPBwcHI4zTen9fMS12O1orlLO1gj0WHULfXb24u7y1dlaS9LLcuyFvljJ2qQeQEC4x6ZqKPVRc6d4Nh+3SNJqGPMKTENMotX3ZIOThipz2OO9Ozu1/XX/ACFfS/r+B1sU0U6loJEkUMUJRgQGBwRx3BBB+lPrztEk0bwpcS6XPKjT6vLbTy3OoS7Yo/tDjO5t/lk8AuFz82c55rQit9Ws4tVtX1K009WtVaOOTV5bp4ZCSA5eVAyK3TvgjIGc5W6/rtcfX+u9jtKK5/w0/k3d9p8ovIrmDy3khnvTdou4HBjkb5yDt6NjGOAM88/4l1G6zqmp6e80SadOsPnTao8KrINvyrbqpSQEn+Pklj220dbB0uegVWvdQttPSJ7yTy1mmSFDtJy7HCjj1NVfEKzSaJLHa3cdpNI6IryTGINlx8gcAlSwyoIBIJyOa5+O7e3tTaRSX0Fxb6taxTxT3hn2BihISQksyMDnD889AMChav8Aruge1/U7OiuFv7a5ew8U6oNV1BJ9PnkezVLp1jh2RI+NgOHBPUMCMdAOc6CD+3fEV1BqN7dW0VtawyW9vb3Twbg4JaUlCC2CNvJwMHjmjpf+tdQ6/f8AgdDd38VncWcMquWvJjDGVAwG2M/PthD+lWa4fSbiS5sfD8kt8+oH+27pVuXIJkULchTxxjAHTj0qnDLruoQT6ot1a21xFeNEZZtamSOAiTaImt/K8vkYHJydwOckUdbf10B6P+u7/wAjuNW1ay0PS5dR1SbyLWHHmSbGbbkgDgAnqRUlxfW1pp0l/cTKlrFEZXl6gIBnPHtWR41UN4ZZWGQbu1BB7/6RHWLArzSxeDJAxSyn8yQnPzWaYaIZ75JVD67GpX0b/r+tR+Z2NhfW2p6fBfWMnm29wgkjfaV3KehweRVivPtLlkuvDHhvSrRJpbh7D7QUXUHso9i4XLSRguSCwwo45JPQUWupTX2j+GEvNYlgjub6e2kmhuT+/VRKqJ5mATnaoDYDHqME5q2tWkLbc9Bqpqmq2Wi6e99qc629tGQGkYE4ycDgc96ydILWfii/0q2uZ7mzitopiJ52maCRiwK72JbkANgk47cGqutXct74ogs4tKu9TtNPjMtwlu8QHnOCqK3mOucJvOBn7ymo7WD1OhvtRhsLNLmUM8byxRDy8HJkdUU9emWH4Varg7e7m/4RM6VeQTW9xpmo2cIinKl/JNxGYiSpIPyYBIJ5U1oIi6pqOtz6lqt1Zvp82yJIrtoUtowgZZWUEK+SS2X3LgYxwRT0s3/VtP8AMEdZVW8v4rKS0SVXJupxAm0DhtrNk+2FNcNb3urahY+HLHzvPW509pmaXUZbN7mUY/5aIjMSASdoIznnIFTXRuItH0uLV9UhULrXkrPBdmYwrsdRG0rKpLgkrkjI4zk80+tvP9bB0/rtc72iuOvC+k3+padp17dywHSZrmRZrp5XtpBwjB2Jcbhu4zj5MjHNE0b2ujaTYpPf3t/qZV2Z9RkgEjLHubMgy0a99sYGSB23Ut9f66r9A2/r0/zOxornfBd1cT6dfRXUolNrfSQJi5a42gBTt81gGfBJGSM9ucVz88ut6hJq14lzbW01ldSRpLLrUsCWoU/JvgERRgRhvnzuDdRwAf8AD/194dPw/r7j0KiuE8Q39zaeIVs01KeKyvEiOqSxsxFhk4Uo+792JPu8dPvcdavJbw6n4u1myvNWvVS1jgaK1hvZIdgKcyZVgx59TjPJGTR0uHWx1tFcNaTXmtQeHo7jUboRTT3SSSwSmM3USbgjFkx1AVty49sZpt9/al/rmrWsciJHpwRYN+tzWjRRmMHzWVY28zJz8zkj5cY65HowO7orhtSe+FumoahqBu47XT4pbj+ytRMLwPgkzLHwkqtgEbzjCnCnJBn1CZ4dWl1Se8uJrFZ4I0kstQKtaFtg2SW5wjAlsknc+HGF4BDtrYDqrS/tr8zi0k8z7PM0EvykbXXGRz16jkcVYrjLu+umt5oHv5raC41w2stwJCGiiKZCq38GWCqCOm7jB5pNQeXSrjWdO06+u5bddIluXEty8r2svRSJGJYbhk4J/gyMc1N/dv8A1tcdtbf1vY7SiuStLebSdb0HbqF9cnUIpEuhcXDSLIwj3hwpJCHIPCgDBrS1a6kt/FGgp57RwztOjLvwsjeXlQR3PBIqmrOxKd1c26r3OoW1pc2tvcSbJbuQxwLtJ3sFLEcdOFJ5rlGurjVodXisdRXjWBAiSXjQCULGm6JJFBZOQx+UZ4PqaksL4m40m3t5b5BHqc1vPFdXAlZSIXbYXBO9QSCCxJ9eRgJa/wBen+Y3p+P6/wCR19FcAIrq38PSa5/amoSXcOqMqK10/liL7UU8sx52sNpPJBI4weBjTRF1TUdbn1LVbqzfT5tkSRXbQpbRhAyysoIV8klsvuXAxjgilfS/9dP8w6nWVi2vi7R7ySBYprhVuH2QzTWU0UUjdgJGQKSccc89qXwlNNc+DtMmuZnuJXtlLyyHLOcdTWB4Z0fUNV8I6VFfahb/ANmgpN5ENoVlbY+5VMhkIxuAJwoJx2qrWlYOlzuKpXmrWtnZPdFvOjjlWFhCQxVy4TB57FhmuZjubt75PC7Xc4uI74ytN5zea1mP3gO7OeWKx5+tZ76XFbeF9aNnPdCU6qIg0t3JMFxcJg7XYjPvjJ75pLV/15f5g9P69f8AI9DorkLhrrQNW1GDTJ7u6B0iS7jhuZ3n/fI2AQWJIzkcA446VGANNh0O+03WLu+ub+4jRxLdNMl2j8uwQnam0ZbKBcbcdOKFr/Xm1+gPT+vJP9Ts6K4G5iuodC1fWxqmoG6tNQlNuv2pxGiLNjyymdrA8/eBIBwMYFdX4hWaTRJY7W7jtJpHRFeSYxBsuPkDgEqWGVBAJBORzR0TDrY06K4gXUmn2stxFLfxPo16hvbW4vTcIInQByHJLOoDeYN/zDHRQcUs73mpWNvdpqV1BHqesKIjDKV224VlCrzwGCls+rZ6gUdf662/z/AOl/66nZzTRW8LzXEiRRINzu7BVUepJ6U/r0rgNbtBFpvirS3u72S0trOO6hEl5KzRllcMu8tuZfkztYkcnir+qQ4uoNH043cpt7Q3Mhn1ma2VVZiAxlXdI5BB4PygfhQH9fl/mdhRXndxreqReFNC1TT7uW51S4t3RoFBlWaMAlpduQCUwGDYBYnb/EMdjo9xYx6dY21vqYvGlg8yKSWffJOvGX5OSMkewyBxTtv/AF/X9dg7GnRRRSAKKKKACiiigCtfadZanb+RqVnb3kIbd5dxEsi59cEYzSWGmWGlQtDpllb2UTNuZLeJY1J6ZwAOeBVqigCja6JpVhKZbHTLO2kL7y8NuqEtgjOQOuCRn3NWEsrWPyvLtoU8kkx7YwNmeuPTPepqKAKEmg6RNeyXk2lWMl1INrztbIXcYxgtjJ44p02jaZc6hHf3GnWkt5Fjy7h4FaRMdMMRkYq7RQBFdWlvfWr217bxXMEgw8UyB1b6g8GoYdJ063tjb2+n2sUBABiSFVXAORwBjgnNW6KAIzBCbhbgxIZlUoshUbgpIJGeuMgce1VItB0iC6e5g0qxjnkbe8qWyBmbO7JIGSc859av0UAMmhjuIXhnjSWKRSro6gqwPBBB6iqcOhaRbWZtLfSrKK2MglMKW6KhcYw20DGRgc+wq/RQBCbS2N0bo28RuGj8ozbBvKZztz1xnnFQ2Gj6ZpXmf2Xp1pZeZjf9mgWPfjpnaBnrVyigClb6NplpfS3tpp1pBdzZ8y4jgVZHycnLAZOTzSW+iaVaXDXFrplnBM8nmNJHbqrM+CNxIGc4Zuf9o+tXqKAKi6VpyS3MqWFqsl2MXLiFQZh6OcfN+NNttF0uys5bSz02zt7afPmwxQKqSZGDuUDB445q7RQBVsNMsNKhaHTLK3sombcyW8SxqT0zgAc8Co5tE0q5vTeXGmWct0y7DO9urOVxjG4jOMcYq9RQBHc20F5bPb3cMc8Mg2vFKgZWHoQeDUFtpOnWdqttaafawQJIJFiihVVVwchgAMZyOtW6KAIWs7Zop4mt4jHcZ85CgxLkYO4d8gY57Vja3pd1fTRqNF0TVLaNf3K35KNC3cj924IPHA24x1OeN+igDM0jR1sNNhhuzHc3CTSXBl8sACV2ZmKjnb99gO+DU0mjaZLqS6jLp1o98uNty0CmUYGBhsZq7RQBHNBDcx+XcRJKmQ22RQwyDkHB9CAfwoFvCLhrgRIJmQI0m0bioJIBPXGSePc1JRQBRuND0m8tIbW70uynt4P9VDLboyR/7oIwPwqtqOhQ3t1p4+z2xs4JZXngdBtkDxsp+XGDktk59616KAK9lp9nplv9n060gtIclvLgiEa5PU4AxUkVvDA8rwQxxtM++QooBdsAZOOpwAM+wqSigCCSwtJZmmltYHlYKGdowWO07lyfY8j0PNYmraXqF5qPnLpGhXjx/wDHreXe4S23p8vltuwfm4ZPTjGT0VFAGXb+H7BfD9rpF/bw6hb28ari5iVw7Afe2nIz1/OrQ0ywFnFaiyt/s0IxHD5S7E4I4XGBwSPxNWqKHqBTtNI02wtJLWw0+1treUkyQwwqiPkYOVAweOKfd6ZYX9mLW+sre5tlwRDNEroMdPlIxxVmigCK2tLezi8uzt4oI+PkiQKOAAOB7AD6AVXuNG0y7v4726020mu4seXcSQK0iYORhiMjBq7RQBWOm2JjuUNnblLsk3C+UuJiRg7xj5uOOayx4WsLjUb2TU9Psbu2kaM28UsCv5QWMKeCMDp27Vu0UARm3hLxOYYy0OfLbaMpkYOPTjiq19o2mapJHJqWnWl48X+ra4gWQp9CRx0q7RQBSvNG0zULmK4v9OtLqaH/AFcs8Cuyc54JGRzzRLo2mT6imoTadaSXseNly8CmRcdMNjIq7RQBA1lavBNC9tC0VwSZozGCsmeDuHfPvUdrpGm2NnJZ2Wn2tvbSZ3wRQqiPkYOVAwcjirdFAEZtoGkidoYy8OfKYoMx5GDt9OOOKjvbCz1K2NvqNpBdwEgmKeMOpI6HB4qxRQBSbRtLexezfTbRrVyC8BgUo2AAMrjBwAAPoKkg02xtYYIbWyt4YrcloUjiVViJzkqAOOp6epqzRQBAbG0Nsbc2sJhLbzEYxtLbt2cdM7uc+vNYmraXqF5qPnLpGhXjx/8AHreXe4S23p8vltuwfm4ZPTjGT0VFAFTStPXStHtbBHMgt4lj3sMFsDk496nggitoVhtokhiQYVI1Cqo9gKkoo3dwMfTdNuv7cvNX1RbdLiWNbeGOBy4jiUk8sVXJZjkjHGB1q4dI003U1ydPtTPPt82XyF3SbSCu44ycEDGemBVyigCPyIftAuPKTzgmwSbRuC5zjPXGRnFVrXRtMsryW7s9NtLe5mz5k0UCo75OTlgMnJ5q7RQBA1jaPbyQPawtDKxaSMxgq5JySR0JJ5p9zbQXls9vdwxzwyDa8UqBlYehB4NSUUAYepaK6aDJpPhy1sbCG5DRyso8oQqwwzKirhmx2JX61qR2NrFa29ukEflWwXyVKg+XtGAR6ECrFFAELWlszyu1vEzToElYoMyKM4VvUcng+pqm3h3RGgt4G0fTzFbEtBGbVNsRJySox8uTzxWlRQBXi0+zgnE8FpBHKI/KEiRgMEznbkdsnOPWmwaXYWrxva2NtC0QYRtHCqlAxywGBxk8n1NWqKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigBkk8UJTzpEj8xgibmA3Mew9T7U+sTxH/AK3Rv+wlH/6C1L4l1G8sbezh0+KV5ry4EO6ERl0G1mJXzGC7vlwM8ex6HRQ5rW6kSny3v0X+ZtUVysOpatY6fqDar9tgiHlraT3UcEk7yOdpQJC21jnbtyBy3OQKq/2vrFrp+vxTSXkc1pZLc28l8luZVZg4/wCWOUK5QEZGeT1GKv2L11X9f8OZ+3Wmj/rv+h2lFczfLrFvJo9nHrMnm3ty4uJjBGdq+UzFYxt4wV43bjzzu6Ve0K4uzcalY31y129lcBEndFVnRkVxu2gDI3EcAcAVLp2V7/1exUat3az/AK1NiiuP1C91mNPEOoRao0cOlyZt7ZYYyr4iR2VyVyQc8YIIyeTxi5FdalpWr28V9fvqEd1ZSzFGiRfLkj2khNoB2kORhtx4HPWn7J2vdf0r/kHtby5bPe3TvbudJRXJC+1W20Gz8QTan5/2gwvJY+XGIQkhA2oQN+4bhgliCQeOeJkv9Sjl1/UJrySW30yWQQWaRoA4EKvhm25PLcYI989KHRavrt/wP8xKsnbTe343d/w9fI6eiuU0m68RPf2Us8F/Lbz/APHz9oFosMYK5DReW5frgANu4PXPNaPiC9mia2tLKa7W5nLMIrKKJpWVRyQ0vyKASMluuQByaTpNSUboI1lKLlZmrNdQ28kCTPta4k8uMYJ3NtLY9uFP5VLXFre3+oabo/2iYw3aatJbmWZU3Daky5IUlN+PTjd2xxVu91a/8OyX0M1y+qKmnyXsLzoiuhQgFWKBQVOQRwDw3J4xXsXeyeovbLdrT8uh1NFc5I+p6NcadLdaq+oLeXC280MkMaKpYEho9oBGCOjFuO+Rmo/7ZvE8I3l7JcYuYryWFXKL8oFwUUYxj7uBS9k3az8ivarqrHT1D9qh+2/ZN/7/AMvzdmD93OM56daw9Isp4/F2sSvqd1KgMRMLrFtOU46IDx25+uaL+3urrxokVreSWS/2fl5YVRn/ANZwBvDD1zwelHs1zWv0v+Fw53yuVuv62OiorkrLVdU1Oz0uyF4La4ne4W4u44l3MIH2fIrZUM3B6EAZwPQudW1LTV1O3e8+0/2U1vctcNGu6SB2O9HCjG4KrHKgcY46kv2Lva/9Xt+ZPtla9v6tex1tRXN1BZ273F5PHbwxjLySuFVR7k8CuPn8S6kJtREUilLxSmkEIMB1kEJJPfLurc9q2PGG9fCVzsxJIDFjcdu4+YvUgcflS9k7xT6v+vuK9qmnbp/X4mjYaxpuqlxpmo2t4Y8b/s86ybc9M4Jx0NXK5O3u7i68SXN5rMVrpkmj2zgrHK0xljcA+YWKr8g2HjGcg9MDLdK1TV/7ZtIp2vpIb2CR1a+ht40LAAgosZ3qOfuvkgEc5BzTo9u1/wCu+hEa2yfV22/T1OuorjoZdUms7qz1XUr+1vZLN5GhktocArjc0MiqVKfNja258EH5e8UV1qdlpWh6bZy6hdNdWnntNCtt5qKqoAib9qYy3Uhjj65B7F7XX9X/AMg9urX5X/VunzO2orkpL3xDHo0aTGWzuG1KKCKa5WFpJIWIyWWMlN3LDjHQHArX1n7dYeEb42c8t1eRWzmOWQKHZsHnCgDP0A6VDp26ouNS/R7X/P8AyJp/EGjWt4bS51axhuQQphkuUV8noNpOec1oVn6bYaaugw21lDDJYSxAgYDLKrDJY/3t2cknrmsLxBqN7BNdR6LLfY0+AM0dnBbiKI7SwEjSkFhjHEeCB16imoKUuWOnr/WgueSjzPW/b+tTpxdQm9a0D/v1jEhTB+6SQDnp1BqauTvNXksp7zVliDyJosc4j7Z3Ofy/pVu7g1fTNEvr1taku5Us5X2tbxhVkC5Ux7QCADnhi+eOfUdK27Gql3ZI6GobW6hvbVLi1ffE+drYIzg47/SsyTUZhqGhRLMNt4rtKMD5wIt2fbnHSse1vZovDel2llNdrcz+YwisoomlZVY5IaX5FAJGS3XIA5NCpO39ef8AkL2q3/rp/mdjRXDl9R1ex0l7rULy1nh1R7dtqQbiV8wBmG1l34GDtO3rx0xqxHVNVu9R8nV5LFLCX7PEiRRN5jBFYvLuUnBLdF28DrzwOlbdoPa3+y9f+D/kdHRXJWmqanrt5pAhvTYQ3WnyXE4gRGJZXQDYXU4B3HqDx781sa5ezad9hukl2Wy3SR3KlRgo/wAgOccYYqaUqbi0nu/87DVRO7tt/lf8matFcXZ+ItUud1u77Z766hmsWCKNtrISccjkhI2JJH8Qq55+rX1nqGqw6sbRbWWZYbTyYzFiJiP3pILkttOdrLgEfUt0XH4nYSrKXwq/9f196OoqG1u4b2Ey2z70DshOCPmVirDn3BrBsr3UNY1qB47ySzs20+3vGgRELF3Z/lLMp+XC4PfgYI5zneGr+6vNSk0yOc2EVrcXE7Aqpe8Bnf7u4EbB0Yj5skfd4JfsXZ36C9stLbP+v6udrRXNafd6lFrqQ6xd3MLzySrHbvbxtbyqMlfKkT5lIUAkSHJ+bA7jpazlHlNIz5r6BRRRUFhRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAVNR0y11WBIr1ZCscgkQxTPEysOhDIQR1Peq3/CO6c1nLazLc3EMpViLm8mmKkdCrOxKEdcqQenpWpRVKckrJkuEW7tGWvhzS1s7i2aCSVbkqZXmnkkkYr9394zFxjqMHg8jFEXhzS4obqMQO/2yIRXDyzySPKozgF2Yscbj3rUop+0n3F7OC6Igls4J57eaVN0lsxeI5I2kqVP14JHNLDZwW9xcTwptkuWDStkncQoUfTgDpU1FTdlWRTl0mymt72CSHdHfEm4Xe3z5UKe/HAA4xUr2Vu93BctHma3RkjbcflDYyMdD90flU9FHMwsjLh8N6Vb3STxW7gxuZI4jPIYY3P8AEsRbYp5PIA6n1q7DZW9u1wYowPtMhllySd7bQuefZQMVPRTcpPdiUYrZGXZeG9L0+5jntbd1aLPko08jxw567EZiqccfKBwSOlT6hpNpqZia7WQPCSY5IZ3hdc9QGQg4PcZwcCrtFPnk3dvUShFKyWhlnw3pDWMdmbJPs8cxnRNzfLIc/N16/MTnseevNS2Wi2Ngs/kRM7XAAle4leZ5ABgKWckkDJ4zjk+pq/RRzyas2HJG97GZZeHdM0+5jntoZN8SlYRLcSSLCDwRGrMQnHHygccdKjn8LaPc3Es01qzGaQSvH58gjMgx8/lhtu7gfNjPvWvRR7Sd73dxezha1lYqDS7UaqdRVZFuWQIxWZwrgZxuQHaxGTgkZFS/ZYftv2vZ+/8AL8rfk/dznGOnWpqKnmZdkZsnh/TZLJLU25WOOVpoykrq8bsxZmVwdyklj0I4JHSpbXR7GzsZrSGH91PuM3mOztKSMEs7EsxxxknoAO1XaKfPJq1xcsU72M1fDulJBp0K2aiPTGDWg3H90QMZ688eufXrVu8s4L+1a3u08yJiCVyRnBBHI9wKnoocpN3bBRilZIqXGl2d3eR3VxAHmjjeIEsQCjfeVhnDA4HBzVW08M6VZzJNFbyPJGhjjae4kl2IRgqN7HC47DitWihTklZMOSLd7GZY+HdM06UyW0EhbyvJXzp5JQkfdFDsQq8DgYHA9BTP+EZ0v+z4rLyZjFA++Em6l3wnGPkfduQY4wpAxkd61qKftJ3vdi9nC1rIoQ6Jp8FqkEcB2JOLjLyMzNIDkMzElmPTqT0Aq/RRUuTe5SilsjHfwrpLs+Ip4o5CS8EN5NHC2euY1YJz345yc9adc+GNIunLS2hVWjWJ4opXjjkRRgK0akKwA4GQeOK1qKr2k+7J9nDsiqmm2kb7lhGfIFudxJBjGcLg8dzVW08OaZZSb4YJGwhjRJp5JUjU9VRHYqgxxhQOOOlalFLnl3HyR002Mmy8M6Tp9zBcW1u/m24KwtJcSSeUpGCq7mO1cfwjjpxxUk3h7TZra3hMUka2xbyWhuJInTd1AdWDYPcZx09K0qKftJt3uJU4JWSMw+HdL/s4WKWzRQLL5yiKV42V853BlIYHOeh7n1pLrw5pl5MZZ4pd7oEkMdzJH5yjgCQKw8zjI+bPBNalFHtJ9wcIPdFdbC1S6iuI4VSSGEwRleAqEg7QOn8I/Ki/sLbVNPmsr6ITW86FJEJI3A+45FWKKm73Ksij/Y2n/brO8+yp59lGYrdwT+7UjBAHToKhufDWlXd1JPPbuTKwaWNZ5FimI7vGGCOeAPmByAAelalFVzzWqZLpwas1/WxCtrCl490qYmkjWNmyeVUkgY6dWP51VbQ9PaOFPIK+RM08TLIysjsSWIYHOCScjOCDjGOK0KKlSa2Y3FPdGZbeHdMtL5buCGQSIWaNWnkeOIt94ohYqhOT90DqR3rTooocnLdgoqOyCiiikUFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFV7+/ttL0+e+vpPKtrdDJK+0ttUdTgcn8KyvG//Ih63/14y/8AoJrJ1r/kic3/AGBV/wDRQqW7Jvt/wf8AIpK7S7/8D/M6W81mwsNFbVrufy7FYxKZdjHCnGDgDPcdquI6yRq6HKsAQfUGuK8Xf8kWuP8AsHRf+y12Fj/yD7f/AK5L/IVo1Ztdv+CZp3Sff/gE9FFFSUFFFZHivVp9C8J6jqdosbz2sJkRZQSpPvgg/rSbsrjSu7GvRUNlM1zYW87gBpIlcgdASM1NVNWdiU7q4UUUUhhRWFrGuXOn+KdA02FImh1J5lmZwSyhI9w284HPqDVrxBpd1rGmC2sdUn0uXzUfz4B8xAOSvUcH/OelAGnRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAGF43/5EPW/+vGX/wBBNZOtf8kTm/7Aq/8AooVteMIJbrwXrEFtE800lnIqRxqWZiVOAAOprL1ezupfhDNZx20z3R0hYxAsZLlvLA27euc9qiXwy+X6lx+KPz/Qq+Lv+SLXH/YOi/8AZam8e/8AJMJvpbf+jY6XxRZXVx8I57O3tppbo2ESCBIyXLDbkbRzmr/iTRZ9c8CT6Zbny7mSBDHv4+dSGAPpyuK1n8TfmvzZlFaRX9dDoa4zwF5v9i+IPs2PO/ti88vd03ZGP1rStvE80tkkbaLqa6lt2tbPauqB+/74jy9ue4bp27Vn+A7HVdN8P6xFdRYvzqVzIhmRkSUnGGHGdhPcdqh7v0/VFX0Xr+jOb0C/8G3Vilh4xjjtvEXIu5dSQpN5mfvLMfuj0wRgV0XjbQ9N/wCFcXzzQx381np7i3vLpVlmHy8MHIznvkVLc6pb6rpBtPE3hi9lvQu17UWDTRs2OqSgFAD2JYEVFbeGdRh+EMvh98NfNZSRqhfIUtkqm72yBn2on8LKjpJG34f0XS9N02CbTtNs7SWW3TzJIIFRn4B5IHPNcp8OdBtNU8HQXGswR36CaVbeCdQ8cKiRhwh43E5O7Geg7V1fh7VEvdNgtza31tcQwKJY7m0kiCkDBAZlCtz/AHSaz/hzaXNj4HtYL23lt5llnJjmQowBlcjg88g5q5fG3/W5mvgX9dCXxIPDyXds3iO63qVKw6e7F0lOfveSoJc9uQQPSsJLrTdM8Y6KPDVrdWEF9K8F1bNYTW0Eg2FlYB0VdwK9RyQa0DHNoXxA1LVr+xurq0v4Ikt7m2t2na32AhoyqAsAT82QMVDrD6jq3ijw5eWun3Sada3rbmlhZXYtGw3leqKOmWAyW7d5juins/T9CLxRoGjSeOfDJk0mxY3dzcG53WyHzsQk/Px83PPPepfiFY2mneA1ttPtYbWBb63KxQRhFGZlzwOKv+K7e5j1rw/q0NtNcwafcyG4SBC8iq8ZXcFHLYJ5AyareOPM1zwSp0y1vJma8gIjNrIkmFlXJ2MoYAYznHShdPVfmgfX0f6lvxjqV3AumaVpkxtrrVroW/2hcboYwCzsuf4sDA+tTr4J8OiAI+lwyy45upAWuCf73m/fz75o8V6Ndanb2d3pZT+0NNuRc26yHCyYBDIT23AkZ9cUL4qTycS6RrCXWMG2FhI3Pp5gHl/juxQtmD3RV8K3t1BrGr+Hr+5e6bTXje3nlOXeGQZUMe5UgjPfisTwHokGq2Opvq6Jd2sWqXMcFpIN0S/vCSzIeGYk456AcYyc9F4Z0m9gvNT1nV0WK+1SRSYFYMIIkGETI4J6kkcZNV/AFpc2Wj6gl5by27vqlzIqyoVLKXyGGex9aFvr2/yB7ad/0ZXs4E8O/ESHS9NUw6bqNlJN9lU/u4pY2GWRf4QQ3IHFdjXM6haXD/ErRrpIJWt47G5V5ghKIxKYBPQE4NdNR9lfP82D+J/L8kFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBw3xD0a512/0yzsPIFybe4ZGnQMq4eDPUHtmuO/4Vn4p/wCe2mf+A8f/AMRXp2o/8jlpH/Xpd/8AoUNV7qSS+1q4tGlmjgtYlcxwNteQnPf0r06OKq0oKEbWtfVX6nl1sJSqzlOV73to7dEec/8ACs/FP/PbTP8AwHj/APiKP+FZ+Kf+e2mf+A8f/wARXcDxLFZ29vb2UdzLJI0v/HyruybCAQdoY9SAKtQ+ILy9V/sVkqtBEJJluCyHJ7AYz+dbvF4pa2VvRGCweFenM7+rPPf+FZ+Kf+e2mf8AgPH/APEUf8Kz8U/89tM/8B4//iK79fEl1dGZ7C0jaGGCOdmkcgkMM4AHfilPiaQi7uFtlFnaQiZ2LfMwK5wB60fXMV/LH7kH1LC/zS+9nn//AArPxT/z20z/AMB4/wD4ij/hWfin/ntpn/gPH/8AEV6HN4gudOA/tS1jQyQmSIROTzx8pz35HNNvdevtOMEV3axefckmPyg8gVQMncFUnuBxSWMxT2UfuQfUsKlduX3s8+/4Vn4p/wCe2mf+A8f/AMRR/wAKz8U/89tM/wDAeP8A+Irv08S3Ej2qtbLa+dwWug8ak5xhSR1PUZxT31uSeTULeaKKNYY5D5LOyysAPvAY5B9R0p/XMUt0vuQ1gsK9pS+9nnv/AArPxT/z20z/AMB4/wD4ij/hWfin/ntpn/gPH/8AEV3g126t7Em0so2gtbOOd98pztK5IHqcetSXXiO6WC8urK1iktrPaHMjkMzEAnH0yKPreKva0fuRKweFte8vvZ5//wAKz8U/89tM/wDAeP8A+Io/4Vn4p/57aZ/4Dx//ABFewqdyg+ozS1h/adfsvuOj+zKHd/eeO/8ACs/FP/PbTP8AwHj/APiKP+FZ+Kf+e2mf+A8f/wARXsVFH9p1+y+4P7Lod39547/wrPxT/wA9tM/8B4//AIij/hWfin/ntpn/AIDx/wDxFexUUf2nX7L7g/suh3f3njv/AArPxT/z20z/AMB4/wD4ij/hWfin/ntpn/gPH/8AEV7FRR/adfsvuD+y6Hd/eeO/8Kz8U/8APbTP/AeP/wCIo/4Vn4p/57aZ/wCA8f8A8RXsVFH9p1+y+4P7Lod39547/wAKz8U/89tM/wDAeP8A+Io/4Vn4p/57aZ/4Dx//ABFexUUf2nX7L7g/suh3f3njv/Cs/FP/AD20z/wHj/8AiKP+FZ+Kf+e2mf8AgPH/APEV7FRR/adfsvuD+y6Hd/eeO/8ACs/FP/PbTP8AwHj/APiKP+FZ+Kf+e2mf+A8f/wARXsVFH9p1+y+4P7Lod39547/wrPxT/wA9tM/8B4//AIij/hWfin/ntpn/AIDx/wDxFexUUf2nX7L7g/suh3f3njv/AArPxT/z20z/AMB4/wD4ij/hWfin/ntpn/gPH/8AEV7FRR/adfsvuD+y6Hd/eeO/8Kz8U/8APbTP/AeP/wCIo/4Vn4p/57aZ/wCA8f8A8RXsVFH9p1+y+4P7Lod39547/wAKz8U/89tM/wDAeP8A+Io/4Vn4p/57aZ/4Dx//ABFexUUf2nX7L7g/suh3f3njv/Cs/FP/AD20z/wHj/8AiKP+FZ+Kf+e2mf8AgPH/APEV7FVDWbq+s9OefTLRbuVOfKLYLD296P7Tr9l9wf2XQ7v7zyz/AIVn4p/57aZ/4Dx//EVBJ4B16GQpNqGixuOqtHECP/Ha9c0i5vbvTo59StltZnGfKVs7R7+9cpq2haHe6tqs+r2lzJdGQeUyRSkFfLXGCox1zR/adfsvuD+y6Hd/ecovw18TsoZZ9LIPIIgj5/8AHKX/AIVn4p/57aZ/4Dx//EV6pYoI9BhSVHCrAAy4O7GOmOua57RotRXVLZtRS5Nj832NTkmP08z8OmaP7Tr9l9wf2XQ7v7zP8DeHb7w94qji1T7M08tlcMGt41X5d8GAcAd8/nXo9YLf8j7Zf9gy4/8ARsNb1cmIqSqtTlu1+rOvD040k4R2T/RBRRRXOdIUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAGHqP/I5aR/16Xf/AKFDU95pUN3cLcCSW3uFG0SwttYr6HOQR+FQaj/yOWkf9el3/wChQ1qE4GTwK1cnFRa7fqzKMVJyT7/ojJHh20WKIRyTxyxOzrOjgOS33snGOfpT5tBt5n3+dcRuU8uRkkwZV9G4/liraX9pJL5UdzC0n90OCasUvaz7j9lDsc8vhxX1i7YmWC1eKKJEhfAdVGCpFaa6PZqtyvlZS5QJIhPylQMY/Kr1FOVWct2KNKEdkZSeHbIIyTtNcgx+UvnPnYvoP0560Hw/Ayx7rq7aWJsxTGQb4+MYHGMY9RWrRS9rPuP2UOxmT6HDcoiT3V08agbkMgxJg554/likbQLaSdpZ5biYlHRVkfIjDdccfzzWpRR7SfcPZw7GeNFtBbSwYfZNAIG+b+EDH8qxdW0KS5ae1s4LiNJ9gdxMBG2MfMR1zgduvFdVRVQrTi7kzowlHlEUbVA9BiloorE2CiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAyW/5H2y/7Blx/6NhrerBb/kfbL/sGXH/o2Gt6tJ/DH0/VmcPil6/ogooorM0CiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAw9R/5HLSP+vS7/APQoaZq0ivcrbzFvs8cTTzKvVwOgp+o/8jlpH/Xpd/8AoUNTahayvJFdWm0zRZBRjxIp6rWkto+n6szh8UvX9EcppXiXS9QgMd5aMBNJiBI7UgRr0HzDv3zXVaTLI0EsMrF2gkMe49SB0qhYpJYxyw2Gm3CmRy4SYr5cRPXB9M84rUsLQ2lttdt8jEvI3qxrM0LVFFFABRRRQAUUUUAFFFFABRRRQAVzct639oXKpf3H2lbnZHbgZQjA46e5710lZzaaxSYq6iRrjzo2/u8Dg/lQt/68gewXOsR2d1HDcRlQ5ChywGSfQdTTZdVkMd0ba1kcQ7lD5GCw6iq1xo13NcSbTa7JJVkMrKTJgEHb9Pep2025kv5pW8iJHVl3RZ3SA9Nw6cfjR0ASHWZGt4gbOV7ho/MeNSPlX1/Gpo9XSa5iht4ZJDIgkLAYCg+tUJdCmlaOaa2sLiZYxEyzZK4BOCDjOeeRWjZaf9jmDKIlQRLGEjXaAQew9KYgvpJpLqCzt5PKMqs7yAZIVcDj3+YUqxtptvI5muLvuBIwJH44FOvbWWVop7SRY7iHO0uMqwPVT7cD8qrXNpqF7a7bhbTerhljDMyOB2Y4/pSGImpx38UMkB27bgI4DA446ZFSjVch5BbSGBAT5vGDioLXSZ0VzcPCGkuBKViUhVG0DA/LrUkVlerA9nI0BtSpVXGd+D0yMY/WjoHUsz3aqsa85nVtp9MLmqkmqiwsYXmRmUrlnLAAfn1NIljqEtxA13JbhIFZQI8kvlcZOen0qK50e6dv3Jtm3ReXvmUkx+6jv+lAEg1lhqEweFvsiwrIsox3z/Opl1cAP9otpYMRtIu7HzADJ/GoH0m4IEayR+W1ukTMc7lZehA7intY392D9ue3UrEyIIsnJYYyc9PpQ/IF5l2xuze2wm8l4lblQ/Uj1qxTIUMVvHGeSqhcj2FPpu19BLbUKKKKQwooooAKKKKACiiigAooooA8y8TSxjxFdBrvxAh3fdtlbyx9MVd8EyI2ukLc61IfLPy3wOz9e9a+qeE9T1DUpbm38T31pHIcrDGPlT2HzCp9D8NahpN+bi78Q3moJtK+TMPlz69TTEXG/wCR9sv+wZcf+jYa3qwW/wCR9sv+wZcf+jYa3qufwx9P1ZEPil6/ogooorM0CiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAw9R/5HLSP+vS7/wDQoa1Ky9R/5HLSP+vS7/8AQoan1fUl0nTJbx42lEePkU4Jycd61abUUv61ZlFqLk33/RF2isiz8Q28xuUvV+xSWzqsiyMCPmGRgjjpVz+1LHeqfa4tzLvA3DketS6ck7NDjUhJXTLdFU/7X0/yfN+2Q7N2zdvH3vT60sOq2FwxWC7hdgu7CuOnrS5ZdiuePct0Vl3PiPS7WKKR7pHSWURKUOfmPrVr+07HzHT7VFujUu43D5QOSafJJK9he0g3a5aoqmurae5QJeQsZPuYb71SX8rwadcSxHa6RMynGcECpaa3KUk9mWKKr3919isZLjZv2AfKCBnnHU1BFqsYsxPqHl2m4kANKrZ/EUhl+iq7XsH2Uzxyo6Y4IYYJxnGaT+0LUMyPcRq6Ludd33R70AWaKqf2rYfZ/P8AtcXlZxv3cZoOrWA2Zu4R5g3J845HrQBboqp/alj9mNx9qi8oNtL7uM+lLJqljEUEl3EpcArluoPQ0AWqKowazp9yqGK6jO9iijPJI7VeoAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiuevp726j82DeUMmxESUxhV7uxHJ+lO0a/nZYjKzNFK5jwzF9rDuGPJB9639i+XmOf28eblsWW/5H2y/7Blx/wCjYa3qwW/5H2y/7Blx/wCjYa3qifwx9P1ZpD4pev6IKKKKzNAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAMPUf+Ry0j/r0u//AEKGneINNk1bRJ7KEqrSY5Y4HBBpuo/8jlpH/Xpd/wDoUNama1cnHla6f5sxUVLni+v+SOd1Pw/N/Z8VvowjhBk3XALEFxtI+9gnrj8Kpab4W1GwhuGWaD7Q1msMTkbtrAn1HTmuvoqlXmo8pLw9NyUuxxdr4QvxerPdSRMv2uOdlZy/CoVPOBzk0r+C7l7ZYVmjhzFcRs6Zz+86V2dFV9aqXJWEpJW/re5xyeErlbVHCRi5SaKQh5y6uE/Dj8qYfBt0xuxIys0iT+VIZmwpkQrgrj3/AErtKKPrNQPqlLTyOYfw5dJc6c9oIYWt4445ZQ5+YL1G3GD9a3tRRpdMuUjUszRMFA7nFWaKynUlPc1p0o078pU1S2e802aCJUZmAwrnCnBBwap22mM7WrXNnbQCAv8Auom3LyBz0Fa9FZmpgnQZh5kavGIGR8J6Oc4P0walbRn8m6KCIzSypINw4YKqjB/75NbNFAGLBpM0t1Hc3kNvGRJuMUZ3KOMZ6DJpF0AD7ZlIj53CcfdG9m/9mrbooA57U9AnuJPMtSF2uGWNJDHn5cHkA/yqa00AQW7pIqOzQJGCx3EEEk8n61t0UAYKaVexz2pjigQQSH94shBKHHVcc59Pat6iigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAwb62nhsbi0WFpY5AfLZM8Z7HHNT2VtJK1vmEwQW4BAYYLNj09K16K2dVuNjBUUpXMlv+R9sv+wZcf+jYa3qwW/5H2y/7Blx/6NhreqZ/DH0/Vlw+KXr+iCiiiszQKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDC1P8A5HDSf+vO7/8AQoa0IulZ+p/8jhpP/Xnd/wDoUNaEXSt38C9P1ZhH45ev6Ii1HUrbSrUXF65SIuqZAJ5Y4H6mmyaraR6pBp7S/wCkzxmRFAzlR1OfxqDX9NfVdPS2QKR50btk/wAIYE1hv4c1QSLcBoZbhIpYlLHjaQAg/SsDc6/IqtqGoW+mWbXV4+yJSASBk5JwOBXDroWoQTWllLbtPuW4dY2mACAlMEkYHHpXSX+kX95Hp9ulzGiW6lpZJI/M3vt2jjI9SaOgGql9BJeG2R8yCMS9ONp6HNWMiuJuNG1C0sg988UkcMUcTZfYJlVycH0yMVVstDv9Qgs7pRMLdXcrFHMFMZ35DAsDnj05oA7m0vIb2DzrdtybmXJGOQcH9RU+a4iPwtqHk3MaxLCXL5cTZ80NJuH0wK0LTQ7638WJeBVjtY0aMbGABXAwMdc5B6mhAzp80Zrjbnw3qMmrXs4aR2nbMM3nKFjHGPlxnjrjOKrRaPfSa00Bt/3kMUBM5mOIyGYsw9Sf60IDu80ZFcVc+FL1o7fBdts0jyrFMqsSWyrZYHoKfL4evyt0I7UMGnEsfmSKWc5JO89154HWgDr45RJuwrLtbb8y4z9Pan5rj7nw9qUhkMkUdwrvIVj83aIywG1x9MVZh8O3cWqG9Z98ouY2Ehc5MYiVWGPcg0AdPRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBkt/wAj7Zf9gy4/9Gw1vVgt/wAj7Zf9gy4/9Gw1vVpP4Y+n6szh8UvX9EFFFFZmgUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAGFqf/ACOGk/8AXnd/+hQ1oRdKz9T/AORw0n/rzu//AEKGtCLpW7+Ben6swj8cvX9EVtY1i10Sx+13vmmMusYWGJpGZmOAAqgk8mnabqtpq1kl1ZuTGxIw6lGBHBBB5BrP8WaLLr2kRWcLFMXUMjMrlCFVwTgjvgVyt94Q16WbTobdY1hsZg6zJMFdsSAktxk5X071gvM36HfTXtpBPDHNPGkszFIlJ5ZsZIH4A1NvX+8vHXmvOk8Faib23uJLGFltr9po/MnBkKsjAsWHBwSCB7U3TPAmpxywpqHmSKL9Z7h3ugVmQLIOFABHLLwaEH9fmejnZICDtYdx1pwAAwBgegrnPCekXmktfrdQLFFJMXizIHkYEkksw/SujoAKKKKACjAznHNFFABRRRQAUUUUAFFFFABRRRQAUUUUAc54k8VDQraVhFvkwwi+VmBYAdcDgc+oq3oWujWYg6qApXP3GU578NWbfWc13PcRyQO8cpIZSDgg1d0yzure9jeSMqm3b16CvDp42rOoo8r+L5W+46HTSV79DVvrxLCzkuZY5pEjGSsERkY/RRyaq6Nr1prtj9ss1uEhJwGuIGi3fQMBmr8yl4XUdWUgVxV34X1L+xdKtzbx3otfNE1qZ/LVi33Xz/s+nvXuGB2zSIgJZgMDNQWOoW2pWkdzaSb45ASpIwTzjoa4keEdYXUITKy3DKsG2+M5DQhFw6Be+4559+aseH/DOp6Xr1nPLDH5SQMk0rShsegQdR70xdDt6KKKQBRRRQAUUUUAFFFFABRRRQAVS1NZ/IVrdmG05YKcEirtFAHNfbpTgCScknAHmGtywSZLUfaWLOTnk5IHpWfBGn9vsNowC5H5LWzQBkt/yPtl/wBgy4/9Gw1vVgt/yPtl/wBgy4/9Gw1vVpP4Y+n6szh8UvX9EFFFFZmgUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAGFqf8AyOGk/wDXnd/+hQ1oRdKz9T/5HDSf+vO7/wDQoa0Iulbv4F6fqzCPxy9f0QlxNJG8KQxq7ysVG9yoGFJ64PpSf6f/AM8Lb/wIb/4io71/Lmtm9HY/+Q2rm5Ly4kyGmcjPTNeNjsfHCNJq9zsp0nM6nF+f+Xe2/wDAhv8A4ijGof8APvbf+BDf/EVjDVfsPhS6upGlP2c5+RsNyR3NY+q/ES8g0q/kstIKyR29w9rLLONsjQ43ZGOODn3xiuvD1lXpKoupMoNS5Tscah/z723/AIEN/wDEUY1D/n3tv/Ahv/iK56bxxPaw3f2jSgJLSOLePtGd8jjIRQFJP5VR1H4i3J0C7u9M0wJKumyXcJuptm5lUkgDb82MZNbvQha28zr8ah/z723/AIEN/wDEUY1D/n3tv/Ahv/iK5iT4gtb3z2c2j3DyW9t51y8RLLG2wttztxjjqSKs6NrGpX/iuH7UfJtbrTRcpaZDeWd+Blh1OKdtbf1/WgdLm9jUP+fe2/8AAhv/AIijGof8+9t/4EN/8RV6ikBRxqH/AD723/gQ3/xFGNQ/597b/wACG/8AiKvUUAUcah/z723/AIEN/wDEUY1D/n3tv/Ahv/iKvUUAUcah/wA+9t/4EN/8RRjUP+fe2/8AAhv/AIir1FAFHGof8+9t/wCBDf8AxFGNQ/597b/wIb/4ir1FAFHGof8APvbf+BDf/EUY1D/n3tv/AAIb/wCIq9RQBRxf/wDPvbf+BDf/ABFIxv0Qsbe2wBn/AI+G/wDiKv0yb/j3k/3T/KgCoJ82Yn29U37c+2cZpsbX8kauLe3wwBGbhv8A4imJ/wAgdf8AriP5UheWWW3tkmMC+QHLL1btQBNjUP8An3tv/Ahv/iKMah/z723/AIEN/wDEVTi1t1iUSQmUqm55AwAxuK5/SnHXx+9KWkjLGwUN0DEsF9Md6ALWNQ/597b/AMCG/wDiKMah/wA+9t/4EN/8RVO812SEyxQ24MqLkHflc5GR096sDVj5wR7chd4jZw4OGIzjHp70ASY1D/n3tv8AwIb/AOIoxqH/AD723/gQ3/xFR2urtcvAGtvKWdNyln/QccmtKgCjjUP+fe2/8CG/+IoxqH/Pvbf+BDf/ABFXqKAKONQ/597b/wACG/8AiKMah/z723/gQ3/xFXqKAKONQ/597b/wIb/4ijGof8+9t/4EN/8AEVeooAo41D/n3tv/AAIb/wCIoxqH/Pvbf+BDf/EVeooAx/sk8N79pMNsssh2jN02CT6DZ7VZSWcXXk3EUaEpvBjkLd8d1FYniaymv9SgKaxb2QtsOkbnnd/erYRi95AzOshNty6dG5HIp2aVxJpuxTb/AJH2y/7Blx/6NhrerBb/AJH2y/7Blx/6Nhreq5/DH0/VkQ+KXr+iCiiiszQKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDC1P/kcNJ/687v/ANChrQi6Vn6n/wAjhpP/AF53f/oUNaEXSt38C9P1ZhH45ev6Igv4TcS20QbbvdhnHT921VY/DI3fvbgkeirirl2/l3Fq3912P/kNqwJNVvHyPPYDPGK+ezOeFpyjKvHmfQ76Km0+Vm/HodottNbTL58E2N0cnQ4ofw7pEkXlyWELJtkXaRxiQYcfjiqCawbTwzcXlxM48g8uFDHGR2P1rM1P4kWtpp1/LaabfTTW0E0kReNVSZosbgDuzxkHtx0zXoYV05UIumrJ9DOSlzWe5vP4W0V7NrV9PjaFyhYEnJK8LznPFNHhLQgf+QdER5DW4UkkCNhgrjOORxWfJ46tLe3upLnT72I2cKSXG/ylCFxkLuMgBP41UvviPaDRL290iwur1rewa8H+rVcbcgHLg9ucAjg811Prczjraxt/8InoZkWT+z03LF5Wd7cpjGDzzwe9Pi8M6RDq0epxWSreRJ5aSh2+VcYxjOMVjSfEfR7a+Wxu4rmK6Fv58sR8smP5S20gPknA7ZHvUi69f3esaO9kSltf5Z7KeICRIgpPmkgnHO0Y96etxdDqqKKKQwooooAKKKKACiiigAooooAKKKKACmTf8e8n+6f5U+mTf8e8n+6f5UAZ6f8AIHX/AK4j+VWBaQXVnAJ4w+1Bjtjiq6f8gdf+uI/lV62/49If9xf5UAVm0m3e9WZ0UokYRY8YAwc1L/Z1p5jP5C5YgtycEg5zj6gVR1/xHa+Hkt2uobqXz5VjX7PbSS4yQMnapx16d61YpBLEsiBgrDI3KVP4g8igCu2mWbSSO1upaQEMfWlXT7VZhKsK7wMA/pVmigCutjbI8bLEAYhtTk/KKsUUUAFFFFABRRRQAUUUUAFFFFAHnvi//kYZf9xf5V0+l/6ux/68/wCormPF/wDyMMv+4v8AKun0v/V2P/Xn/UV3Vv4MDz8P/HmMb/kfbL/sGXH/AKNhrerBb/kfbL/sGXH/AKNhrerln8MfT9WdkPil6/ogooorM0CiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAwtT/wCRw0n/AK87v/0KGtCLpWfqf/I4aT/153f/AKFDWhF0rd/AvT9WYR+OXr+iK+oRNO9tHGQGZ2AJ/wCubVQj8Nzlv3sqKPbmtO6fZc2rf3XY/wDkNqxZNevGyFcKM8ECvnsz+qRlGWITb6WO+jztNRNNfD0Mmn3NjduZbecDcB8p4qKbwdo89sYJYZDGUmTHmHpKAH/lSxayYdAmvbqZE8k/NJIpYDnuF5qhqPxF0Gxsb+WKWe6msoZJTFHazfvNmNwVtmDgkZxnAOTxXoYX2XsI+yVomcubm13Lkvg3TJrV4pHuiztG5m88+ZuQYU7vXFRt4F0eRFjm+0yxJayWqRvMSqo67Wx7kHrUq+M9HaOUlrzdBEs00Y0+4Zo1YZGQEzn261W1Dx/otnpF3fWxur4W1obsrb2czAqBkAsEIUn0OCOp4BrqfmZx1tYsf8Ibp/mO4uL4ebD5M4FwcTrgr847nB60+28KWdnq66hbXN9HIESMxi4PlsqjABX0qP8A4TfQkkSOe6lhlaHzmSS1lHlrjdhiV+U4B+U4J9Kqp4uN1r+mwadJbXNpfZIiKSR3CJtJ80q2PkyAOQM5GDT1uLSx1VFFFIYUUUUAFFFFABRRRQAUUUUAFFFFABTJv+PeT/dP8qfTJv8Aj3k/3T/KgDPT/kDr/wBcR/Kr1t/x6Q/7i/yqin/IHX/riP5Vetv+PSH/AHF/lQA940kAEiKwBBG4ZwR0NOqrc6jDaXVvbypcs9w21DFaySKP95lUqg92Iq1QAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQByXiDRvturvN52zKqMbc9q1rOLyJLSLOdlrjPryKbqX/AB+N9BU0f/H5B/17H/0IVcqkpRUXsjONOEZOSWrKjf8AI+2X/YMuP/RsNb1YLf8AI+2X/YMuP/RsNb1Ofwx9P1YQ+KXr+iCiiiszQKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDC1P/AJHDSf8Arzu//Qoa0IulZ+p/8jhpP/Xnd/8AoUNaEXSt38C9P1ZhH45ev6Ir6ijyNbpF99mYD/v21ZUegXrthgqD1Jrbm/4/rL/ro3/oDVfrysVgKWKmpVL6HXCpKCsjB/4R37RpN3p13LiK4A+aPqKrXHgWwubM2zzzbDHcJkY6TABvyxxXT0V00aMKNNU4bEubbucvd+B7e9sbiC4vZne4aJpHZFIYxjAyuMEH0NVx8O7L7P8AZzeTCD7FJZlERU3K6lSSR1wDwD0rsKK13JWhyMnw+s5b+S8lud881v5E0j28ZZvlK5DEZU4PatFfDIN9YSz30stvp5DW9uUUBXCFQ24cngnj3rdop3AKKKKQBRRRQAUUUUAFFFFABRRRQAUUUUAFMm/495P90/yp9Mm/495P90/yoAz0/wCQOv8A1xH8qvW3/HpD/uL/ACqin/IHX/riP5Vetv8Aj0h/3F/lQBLRWVqkOsyalYtpdxDHaq/+lLIMll9v89q1aACiiigAooooAKKKKACiiigAooooAKKKKAMbUv8Aj8b6Cpo/+PyD/r2P/oQqHUv+PxvoKmj/AOPyD/r2P/oQoAqN/wAj7Zf9gy4/9Gw1vVgt/wAj7Zf9gy4/9Gw1vVpP4Y+n6szh8UvX9EFFFFZmgUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAGFqf/ACOGk/8AXnd/+hQ1oRdKz9T/AORw0n/rzu//AEKGtCLpW7+Ben6swj8cvX9ENm/4/rL/AK6N/wCgNV+qE3/H9Zf9dG/9Aar9YG4UUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUyb/j3k/3T/Kn0yb/AI95P90/yoAz0/5A6/8AXEfyq9bf8ekP+4v8qop/yB1/64j+VXrb/j0h/wBxf5UAS0Vl6vdTC5srGzkMc1zLlmUAlY15Y/0/GtSgAooooAKKKKACiiigAooooAKKKKACiiigDG1L/j8b6Cpo/wDj8g/69j/6EKh1OaxjvCLnULe3fA+SRwDU0ZU3kBjcOv2Y4ZehG4UAVG/5H2y/7Blx/wCjYa3qwW/5H2y/7Blx/wCjYa3q0n8MfT9WZw+KXr+iCiiiszQKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDC1P/kcNJ/687v/ANChrQi6Vn6n/wAjhpP/AF53f/oUNaEXSt38C9P1ZhH45ev6IjupBFc2kj7tqyHJCk4+Rh2qb+07X++//fpv8KiuWlM1vFC4jMjkFiu7gKT/AEqK7f7Aive6pDArEhTJGBnAJPf0BNYM3Sb2LX9p2v8Aff8A79N/hR/adr/ff/v03+FVDIwvYbX+0AZZ4zJGBBkFRjJznHcVLPHLbW7z3GoRxxRqWd2iACgdSeaB2ZN/adr/AH3/AO/Tf4Uf2na/33/79N/hTPsl1/z+r/35H+NL9kuv+f1f+/I/xoEO/tO1/vv/AN+m/wAKP7Ttf77/APfpv8Khmjlt4jLPqEcaDGWaIADJx61J9kuv+f1f+/I/xoAd/adr/ff/AL9N/hR/adr/AH3/AO/Tf4Uw2tyoJa9UAckmIcfrVRLuGSzF2ms27W5fyxKEG3dnGM5654oHZvYvf2na/wB9/wDv03+FH9p2v99/+/Tf4VDBFLcwJNb6hHJE4yrrECCPzqT7Jdf8/i/9+R/jQId/adr/AH3/AO/Tf4Uf2na/33/79N/hVa6JsYxJeanFChOAzxgDPX1phmxNbRDUVZroEwlYMhhjOc59KB2Zc/tO1/vv/wB+m/wo/tO1/vv/AN+m/wAKilhnhheWa/RI0UszNEAFA6nrSrbXDoHS+VlYZBEQ5H50CJP7Ttf77/8Afpv8KP7Ttf77/wDfpv8ACm/ZLr/n9X/vyP8AGmSwzQRNLNqCIijLM0QAH60AS/2na/33/wC/Tf4Uf2na/wB9/wDv03+FMFrcsoK3qkHofJHP60G1uQMm9UD/AK4j/GgB/wDadr/ff/v03+FNl1K2aFwGckqQP3Tf4VRjv7eW3mnj1q3aKBtsrhBhD6HmrUEct1CJbfUI5Y26MsQIP60DcWtxFBGkqMHPkjjHPSpINRtlto1ZnBCAEeU3p9KhXc1ybZdThMyjJjEY3AfTPsaW4V7OISXWpRxIWChniAGScAdfWgW47z7D7d9rJkM3l+WCY34Gc+lTf2na/wB9/wDv03+FUTcr/om3UlcXhxAyQbg/GeoPoKtm2uVUlr1QAMk+SOP1oG01uP8A7Ttf77/9+m/wo/tO1/vv/wB+m/wqKGKa4gSaDUI5I5FDI6xAhgeQRzT/ALJdf8/q/wDfkf40CHf2na/33/79N/hR/adr/ff/AL9N/hUUkE8MTyS36IiAszGIAADqetKttcOgdL5WVhkERDkfnQBJ/adr/ff/AL9N/hR/adr/AH3/AO/Tf4U37Jdf8/q/9+R/jVCLUbWeOd4dbtnW3/1xCD5PrzQNJvY0f7Ttf77/APfpv8KP7Ttf77/9+m/wqC3WS7i8221GOVMldyRAjI4I61L9juv+fxf+/I/xoEO/tO1/vv8A9+m/wo/tO1/vv/36b/Cm/Y7r/n8X/vyP8aPsd1/z+L/35H+NADv7Ttf77/8Afpv8KP7Ttf77/wDfpv8ACm/Y7r/n8X/vyP8AGj7Hdf8AP4v/AH5H+NAGTrWnaXrVzazXDOGgYbv3T/On93p61oJLHNqKfZw2xICvKEAcjjkVXN2BrA0z+0U+0GPfjyhjr069e+KtJ58V8IZZVlVoywwm3ByBQBSb/kfbL/sGXH/o2Gt6sFv+R9sv+wZcf+jYa3q0n8MfT9WZw+KXr+iCiiiszQKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDC1P/kcNJ/687v8A9ChrQi6Vn6n/AMjhpP8A153f/oUNaEXSt38C9P1ZhH45ev6IbN/x/WX/AF0b/wBAapr3TrTUY1S+gSZVJKhh0yCD+hNQzf8AH9Zf9dG/9Aar9YPU3Ta1RzlxZXqeL47izsWFr9kaB5RPgEnbtOz2wR+NY83gy6m0O+s3DO11YFDvuGOZ8tg9emCK7uip5VY3jXlG1vL8DmF0A3o0+Oe1ktLSJH8y3Fyxwxxg5B5qg+g6yPHFvfQ7lsopCrMJ/vxeUwAI9d22u2oo5Ve4lWkk15WOCXwtf3Xh7ULK6tOWdZIRLcEu5DAncQce1S6z4e1O+bT/ALLHcW1rFFtMENyN0T5+9uPXiu4oo5UV9Yne5g2mhbNQvL67WSaYyMYVMx2sm0DaR05+lReHtLmbTbq11rTkiRrx540LhwQzlh06Yro6KFFJmbqSasR29vFa26QW6COKNdqIvQD0rE0/Q9StfFN7qNxrEs9pOiLHbMoAXBb/ABFb9FUZle8sbXUIRFewrMgOQrfTH9axbyxuofFOnT2FgTbQRGOSQT7QFIwBs74roqKVi4zcTiB4PupLCaCbc7XVnPHNvnYgyE/u+/QVct/Dzz6bplpNaPaQQs3nwrcsd3y4zkHPXtXV0UuVGjrzZxF/4f1g+MLS5sd62dtJEA/nn5owPnDA9T1psfhm+udP1e1urU+XcDdEZbgl3fOeSDgCu5opciH9Ynp5W/A4bVfDupXdhpUNpBNa28CuJraK5+YOdu19x64w351sWegMuoT3l55ssilfs+Zj0CYII6cmuhop8qJdaTVjmtD0y4uf7QbX9NSJ7pkygcMhVchVAHp/Wugt7aG0gWG2jEca9FXoKloppWIlNyZjw+GLCDxJLrcYf7VIu05PHft+NaV1aQXsIiuollQMHCt6g5B/OpqKfkRs7nN6jptxb63o8mladut7QlXZZ9gVCpG3b3wSDVSDwtcG8Z7ne6XAuFuAZ2IIYgxjGeMc9K6+ip5U9zZVpJaf1v8A5nG6X4anTw9pemzWjWyW7qtyq3LHzQEwTnOcE9qg1rw5q76/YPpO9bW0kgKv55zsEgMgbPX5ciu5oo5dbj9vK9zix4cvbp9bguLciC8jkCPLOSxY529DwKhv/DupT6Bp1pZ20trHAx+0W8dzlnOAAwY++eK7qilyK1h/WJ3v/XY5yx8Ot/aC3F+88nkxRCFmnOQyjByBwT603T9IuLjWL641G1ZLW4i2NFPKJCx3Z4x0X2rpaKqyvcj2siK2tYLOHyrWJYo8ltq9Mk5NS0UUzIKKKKACiiigDhnm0P8At/zza3P2sTf6zzP4s9a6ub/kLJ/1wP8A6EK459FuTrBlym3zt3X3rsZv+Qsn/XA/+hCt6ypq3Ic9CVR39oZ7f8j7Zf8AYMuP/RsNb1YLf8j7Zf8AYMuP/RsNb1RP4Y+n6s0h8UvX9EFFFFZmgUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAGFqf/ACOGk/8AXnd/+hQ1oRdKz9T/AORw0n/rzu//AEKGtCLpW7+Ben6swj8cvX9ENm/4/rL/AK6N/wCgNV+s+4dUvLNnYKPMbknH8DVb+1W//PeP/vsVgbktFRfarf8A57x/99ij7Vb/APPeP/vsUAS0VF9qt/8AnvH/AN9ij7Vb/wDPeP8A77FAEtFRfarf/nvH/wB9ij7Vb/8APeP/AL7FAEtFRfarf/nvH/32KPtVv/z3j/77FAEtFRfarf8A57x/99ij7Vb/APPeP/vsUAS0VF9qt/8AnvH/AN9ij7Vb/wDPeP8A77FAEtFRfarf/nvH/wB9ij7Vb/8APeP/AL7FAEtFRfarf/nvH/32KPtVv/z3j/77FAEtFRfarf8A57x/99ij7Vb/APPeP/vsUAS0VF9qt/8AnvH/AN9ij7Vb/wDPeP8A77FAEtFRfarf/nvH/wB9ij7Vb/8APeP/AL7FAEtFRfarf/nvH/32KPtVv/z3j/77FAEtFRfarf8A57x/99ij7Vb/APPeP/vsUAS0VF9qt/8AnvH/AN9ij7Vb/wDPeP8A77FAEtFRfarf/nvH/wB9ij7Vb/8APeP/AL7FAEtFRfarf/nvH/32KPtVv/z3j/77FAEtFRfarf8A57x/99ij7Vb/APPeP/vsUAS0VF9qt/8AnvH/AN9ij7Vb/wDPeP8A77FAGWbOc3O7yzjfnP41bm/5Cyf9cD/6EKwm0y6PisTDWJhp2PNMf2k4zn7nXpW28qSasvlur4gOdpz/ABCgCi3/ACPtl/2DLj/0bDW9WC3/ACPtl/2DLj/0bDW9Wk/hj6fqzOHxS9f0QUUUVmaBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAYWp/8AI4aT/wBed3/6FDWhF0rP1P8A5HDSf+vO7/8AQoa0Iulbv4F6fqzCPxy9f0Q940kADqGA9Rmm/Zof+eSf98ipKKwNyP7ND/zyT/vkUfZof+eSf98ipKKAI/s0P/PJP++RR9mh/wCeSf8AfIqSigCP7ND/AM8k/wC+RR9mh/55J/3yKkooAj+zQ/8APJP++RR9mh/55J/3yKkooAj+zQ/88k/75FH2aH/nkn/fIqSigCP7ND/zyT/vkUfZof8Ankn/AHyKkooAj+zQ/wDPJP8AvkUfZof+eSf98ipKKAI/s0P/ADyT/vkUfZof+eSf98ipKKAI/s0P/PJP++RR9mh/55J/3yKkooAj+zQ/88k/75FH2aH/AJ5J/wB8ipKKAI/s0P8AzyT/AL5FH2aH/nkn/fIqSigCP7ND/wA8k/75FH2aH/nkn/fIqSigCP7ND/zyT/vkUfZof+eSf98ipKKAI/s0P/PJP++RR9mh/wCeSf8AfIqSigCP7ND/AM8k/wC+RR9mh/55J/3yKkooAj+zQ/8APJP++RR9mh/55J/3yKkooAj+zQ/88k/75FH2aH/nkn/fIqSigCP7ND/zyT/vkUn2eAdYo/8AvkVLWfrEEk9niPJAPzBTyRSk7K5UVzSSZZSK1ckIkTEdcAHFSJFHGcoiqfYYri7R7nT7rzYZAE7ljwwrsbS5W7tUmj6MKzp1Oc2rUXT1TujPb/kfbL/sGXH/AKNhrerBb/kfbL/sGXH/AKNhrerpn8MfT9WccPil6/ogooorM0CiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAwtT/wCRw0n/AK87v/0KGtGNSByKz9R/5HLSP+vS7/8AQoa1K1k7Rj6fqzKKvKXr+iCiqmpX40+083yzK7MEjjH8TE4AqvZ6wJJ3tr+NbW5VgoTfuDEjIwfwNZGpp0Vk/wDCS6X9uktTcqDFF5rOfugZI6/hVuDVbG52+RdRvu3YweuOv5UAW6KzrHXbHUby4t7SXe0AVmYDggjIINOXW9Nbyyt3GRI+xDzgtnGM/WgC/RWVL4k0yK6gg8/e00hiUqCQGFTHXdMCsTeR4Vwh5/iPb36GgC/RRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAGdJodjNdGeSMknquflz64q/HGkUYSNQqjoAOlOopKKWxTnKSs2ZLf8j7Zf9gy4/wDRsNb1YLf8j7Zf9gy4/wDRsNb1az+GPp+rMYfFL1/RBRRRWZoFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBh6j/yOWkf9el3/AOhQ1qVl6j/yOWkf9el3/wChQ1qVpP4Y+n6szh8UvX9EZ+swRXNmsckxgfzA0UgXcVdeQcd+lZEumtN/pEuog34mWVZfsjeWNoIA2bs4wT/FXQS/8f1l/wBdG/8AQGqK58Rafa/avNaTFqwWVhGSFJ96zNDk7vQ3ttKnFrefaJXtzE6m1OXO8sCOePvHjmrg0dgEnTUVS8y+5/sbbNrKAQE3cHgc5P0rWvPFthb2c09us115UayHy4yRhsEc/Q1JJ4t0iKaSKW4KSRxGV1KnKgLuI+uO1AGfo+nxaRvVbvzY3gSMg25DZVduc56e2Pxqjc+HIJ0soxf4jtSjYe1Lcq4fK8jaTjB68V0On6xLe6xLbmAJb+Qs0THIZgSRyD06Vr09dwOMj0YJOsov0XZOZEjS0cRqCCCAC5wTnqDjPao7Dw5aWLw4nhKQ3AmUpZlZHADDDtuIP3uuB0rt6KWwGd9vg9W/74NH2+D1b/vg1o0UAZ32+D1b/vg0fb4PVv8Avg1o0UAZ32+D1b/vg0fb4PVv++DWjRQBnfb4PVv++DR9vg9W/wC+DWjRQBnfb4PVv++DR9vg9W/74NaNFAGd9vg9W/74NH2+D1b/AL4NaNFAGd9vg9W/74NH2+D1b/vg1o0UAZ32+D1b/vg0fb4PVv8Avg1o0UAZ32+D1b/vg0fb4PVv++DWjRQBnfb4PVv++DR9vg9W/wC+DWjRQBnfb4PVv++DR9vg9W/74NaNFAGd9vg9W/74NH2+D1b/AL4NaNFAGd9vg9W/74NH2+D1b/vg1o0UAZ32+D1b/vg0fb4PVv8Avg1o0UAZ4voGdV3EFjgZUjJqxTNR/wBVD/13T+dQajcNbWhdDhs4FRUmqcHOWyGld2LVFcFZ+I9an8RXcE8DRwqIuBKuIgQeffP9K7m3k822jf8AvKDWcK0Zz5F2uNxaVzNb/kfbL/sGXH/o2Gt6sFv+R9sv+wZcf+jYa3q65/DH0/VmMPil6/ogooorM0CiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAw9R/wCRy0j/AK9Lv/0KGtSsvUf+Ry0j/r0u/wD0KGtStJ/DH0/VmcPil6/oivOwW9sixAHmtyf9xqp33h6xvllDXcsRln84sjIcHbtxhgRjB7itGSKOYASoGAORkdKj+x2//PFPyrM0MxvCtg6hWvp9i2/kIoMY2jjnIXJPHfI9qWTwvYyPclr+bF1GyTDEXzZXaWzsyD9CB7VpfY7f/nin5UfY7f8A54p+VAEMGlxwaydQGpTMTEIvIby9gUdOi7v1rS82P/nov/fVU/sdv/zxT8qPsdv/AM8U/KgC55sf/PRf++qPNj/56L/31VP7Hb/88U/Kj7Hb/wDPFPyoAuebH/z0X/vqjzY/+ei/99VT+x2//PFPyo+x2/8AzxT8qALnmx/89F/76o82P/nov/fVU/sdv/zxT8qPsdv/AM8U/KgC55sf/PRf++qPNj/56L/31VP7Hb/88U/Kj7Hb/wDPFPyoAuebH/z0X/vqjzY/+ei/99VT+x2//PFPyo+x2/8AzxT8qALnmx/89F/76o82P/nov/fVU/sdv/zxT8qPsdv/AM8U/KgC55sf/PRf++qPNj/56L/31VP7Hb/88U/Kj7Hb/wDPFPyoAuebH/z0X/vqjzY/+ei/99VT+x2//PFPyo+x2/8AzxT8qALnmx/89F/76o82P/nov/fVU/sdv/zxT8qPsdv/AM8U/KgC55sf/PRf++qPNj/56L/31VP7Hb/88U/Kj7Hb/wDPFPyoAuebH/z0X/vqjzY/+ei/99VT+x2//PFPyo+x2/8AzxT8qALnmx/89F/76o82P/nov/fVU/sdv/zxT8qPsdv/AM8U/KgC55sf/PRf++qPNj/56L/31VP7Hb/88U/Kj7Hb/wDPFPyoAuebH/z0X/vqjzY/+ei/99VT+x2//PFPyo+x2/8AzxT8qALnmx/89F/76o82P/nov/fVU/sdv/zxT8qPsdv/AM8U/KgB2oSI0cIV1J89OAfequrWs11bqkABw2Tk1ZW0gVgyxKCDkHHSpqyrUo1qbpy2ZUZOLujno9DunX946J+ufStqzhe3tEikILLxkVPRXPh8FSw8uaF77asqVSUlZmS3/I+2X/YMuP8A0bDW9WC3/I+2X/YMuP8A0bDW9Xoz+GPp+rOeHxS9f0QUUUVmaBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAYOqBj4w0nYQp+yXXJGf4oa0dlx/z1T/v3/8AXqhqP/I5aR/16Xf/AKFDWpWk/hj6fqzOHxS9f0RFsuP+eqf9+/8A69Gy4/56p/37/wDr1LRWZoRbLj/nqn/fv/69Gy4/56p/37/+vUtFAEWy4/56p/37/wDr0bLj/nqn/fv/AOvUtFAEWy4/56p/37/+vRsuP+eqf9+//r1LRQBFsuP+eqf9+/8A69Gy4/56p/37/wDr1LRQBFsuP+eqf9+//r0bLj/nqn/fv/69S0UARbLj/nqn/fv/AOvRsuP+eqf9+/8A69S0UARbLj/nqn/fv/69Gy4/56p/37/+vUtFAEWy4/56p/37/wDr0bLj/nqn/fv/AOvUtFAEWy4/56p/37/+vRsuP+eqf9+//r1LRQBFsuP+eqf9+/8A69Gy4/56p/37/wDr1LRQBFsuP+eqf9+//r0bLj/nqn/fv/69S0UARbLj/nqn/fv/AOvRsuP+eqf9+/8A69S0UARbLj/nqn/fv/69Gy4/56p/37/+vUtFAEWy4/56p/37/wDr0bLj/nqn/fv/AOvUtFAEWy4/56p/37/+vRsuP+eqf9+//r1LRQBCROqkmZAAMn93/wDXqt9vT/n7i/79n/Grk/8Ax7yf7h/lXK100aSqJ3OWvWlTasb329P+fuL/AL9n/Gj7en/P3F/37P8AjXm1x4ou4/GLaTD9ldEeNTBtbzmVlyXBzjA+laMvizSIrSG5e4bypofOjIiYllyBnGM9SOK2WHptXuY/WKvY7j7en/P3F/37P+NH29P+fuL/AL9n/GuV0zVLXVrU3FkzlA5RhJGyMrDqCrAEVLcSw2dgt7eq7xuwAVTjaD3p/VodyfrU+yOl+3p/z9xf9+z/AI0fb0/5+4v+/Z/xrngYSsU1pJ5lvNwP9k9adQsLB9QeLmuiNRCx8dWRZw+dMuCCBj/lrDXRVzkP/I6ad/2Cp/8A0ZBXR1yVNFH0/VnbT1cvX9EFFFFZGoUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAGHqP/I5aR/16Xf8A6FDWpWbrFjqUusWF/paWsht4Zo3S4maP75jII2q2fuH060zPib/ny0n/AMDZP/jVbOLlGNvzXdmKkoylfv2fZGrRWVnxN/z5aT/4Gyf/ABqjPib/AJ8tJ/8AA2T/AONVPs5eX3or2kfP7n/katFZWfE3/PlpP/gbJ/8AGqM+Jv8Any0n/wADZP8A41R7OXl96D2kfP7n/katFZWfE3/PlpP/AIGyf/GqM+Jv+fLSf/A2T/41R7OXl96D2kfP7n/katFZWfE3/PlpP/gbJ/8AGqM+Jv8Any0n/wADZP8A41R7OXl96D2kfP7n/katFZWfE3/PlpP/AIGyf/GqM+Jv+fLSf/A2T/41R7OXl96D2kfP7n/katFZWfE3/PlpP/gbJ/8AGqM+Jv8Any0n/wADZP8A41R7OXl96D2kfP7n/katFZWfE3/PlpP/AIGyf/GqM+Jv+fLSf/A2T/41R7OXl96D2kfP7n/katFZWfE3/PlpP/gbJ/8AGqM+Jv8Any0n/wADZP8A41R7OXl96D2kfP7n/katFZWfE3/PlpP/AIGyf/GqM+Jv+fLSf/A2T/41R7OXl96D2kfP7n/katFZWfE3/PlpP/gbJ/8AGqM+Jv8Any0n/wADZP8A41R7OXl96D2kfP7n/katFZWfE3/PlpP/AIGyf/GqM+Jv+fLSf/A2T/41R7OXl96D2kfP7n/katFZWfE3/PlpP/gbJ/8AGqM+Jv8Any0n/wADZP8A41R7OXl96D2kfP7n/katFZWfE3/PlpP/AIGyf/GqM+Jv+fLSf/A2T/41R7OXl96D2kfP7n/katFZWfE3/PlpP/gbJ/8AGqM+Jv8Any0n/wADZP8A41R7OXl96D2kfP7n/katFZWfE3/PlpP/AIGyf/GqM+Jv+fLSf/A2T/41R7OXl96D2kfP7n/katFZWfE3/PlpP/gbJ/8AGqM+Jv8Any0n/wADZP8A41R7OXl96D2kfP7n/kaU/wDx7yf7h/lXK1sE+JSMGx0nH/X7J/8AGqj+z6//ANAzR/8AwMk/+NV0UZOmne33o5q8VVatf7mctP4ftpr2W73yJNJIkm5SPlKjHH1HWs+LwTZxsu67uXjjTy4o2IxGu4NgceoHWu5+z6//ANAzR/8AwMk/+NUfZ9f/AOgZo/8A4GSf/Gq19qu34ox9lLu/uZgWOnxaf5/klj58zTNuPQnrUsiRTWq2t5G8kKMGXZ7djW19n1//AKBmj/8AgZJ/8ao+z6//ANAzR/8AwMk/+NU/beX4oXsPP8GZLMJGjWKLyoYh8i45z60tav2fX/8AoGaP/wCBkn/xqj7Pr/8A0DNH/wDAyT/41Qq1un4oHQu73/BjYf8AkdNO/wCwVP8A+jIK6OsGx0/Vm8RxahqUVlDFDaSwKtvO8hJZ427ouB8h/Ot6uKp0X9bs76XV/wBbIKKKKyNQooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigCpqt4bDSri5UbnRDsX+8x4UfiSK57TDKJFuR/aEI07ct8by93CZgnQKZGUckHJ2gcY746W7s47wQiUsFilWUKp4Yr0B9s8/gKp3OgwXLTsJpommmjnJTaQroAAQGUjsOoPQUAUYfFSvbXkzx2zLbCPElvdiWMlyQAz7QFxgZ64B706XVdVuFsksre0V55CxdbvejRrg5Vgh4OQM4BBPTvVpNC8oM0OpXyTvKZZJwyFnO0LggrtxgcDHHapIdFgt7iCSGWZFiiaIx5BWQMcknIzknnIIoAz4fFtvc30Mdt9llilmEI23ambnjd5QH3c+pBxzitHTtQudQZ5PsixWm5ljlabLSYbAYLjhT1yTn270200b7JEIl1C9kjSMxxI7riIYxxhRkjtuzir1vAltbRQRDEcSBFHsBimBl26Prm+5muJo7PzGSGG3lMZYKSu9mXDckHABAxjOT0g1DVE8NW/kJNHcEK8yi/vwrkZ+4uQWY+mfzq2uhiJ5Rbahe29vK5dreNk2gn72CVLKCcnhhjJximS+HIJZpWN3diKaRJJYAylXKgAZYrvI+UcbvWkgK9xqCtrSztFI/2aJY4oVxuaaXnbycZCjn0BNWxqd7FcQW95YRxyzyhE8q43qV2ks2SoPGOmO45p8+iwzR4WeeGUXJuVmjK7lcgjuCCNp24IPFNl0QSGBxqF6k8Jf8Afh1LNuxkEFSoHA4AGO1AFbU7w6hFJp8aYWe6FrvDcuoG6U47YAZfrRD4iE2rixgS0cHzAPLvFZ49g6uqghQTx1J9u1WE0C1S0W33zFFgkhBZ8t+8OWbOPve9Ni8PxIsnm3l1MXtjbKW2L5SHsoVQAenOOw9KP6/r+uof1/X9dCtp+r6lLAgmtIpbm6BngjWfCpFngudgKjkY4YkntziVddnaJY0sA96blrcwrN8oKjJffj7uMds84xnipjoY3QPFqF3DNFD5BlTy8yJnIBBQjj1ABqxb6Zb2s0ckO8eXGyKpbP3mDMxJ5LEgZJNMCtq11qMOmwraRQLe3EixAeadqE9SDsOcAE8gf0qGbXLuOzmu4rCOWC1B89/tOMlfv+X8vzY5GTtyRxWjdWIurm1n8+WJrZy6iPbhsjBByD2z0weetVYtBhjbY11cyWokMq2rsvlhi27su4jJzgkj9KQDbrWJwlzJp9ktxFaA+c8s/lgkDJVPlOSO+cDPfrhIZl1PXopUB8m0thIAeDvl6fiFB/77p/8AYMPmy7rq5a2mlMr2hZfLZjyf4d2CecbsH0xxV63tUtmmKFmaaQyMW9cAY+gAA/ChAZl5rdxFb3N1Z2K3Fpa7hJI0+xnK/e2LtO7HI5K5I4qpaStpsDPOzZsoAZy1wscTzync27PHGRyTwG4Gauf8I7EQIzfXhtRN5wtdybM792Cdu4jOeCT/ACqWfQ4pmR0uZ4ZUna4EqbCdzDHRlI4HA4yMdaA/r+v66mdLrDavpM9ughV57hbNZLafzo2DKGdlbA6KW7dRVr+2ZY7eG4t7BTprSJEspm2uQzBQyptIK8jHzA47etm10W3tRF880pjMjbpGyXaQ/MxOOvYexqKHRFsoE2TXF6LVc21vO6hEIHHIUZ9AWzijb+v6/pgRXmu3MVrPeWWnrcWcJK72uNjSENg7F2nIz3JGew6Zm1+addDaKGNmubrECRxkZy33sE46Dcc8dKzbLR7qWa1iZb60sLeTzvs1zLEy5B3Kq+XklQefnbsOO42dQ0tdQkt5Dc3FvJbsWjaFlGGPGcEEHjI545NHTUL6lOLWHsWks72xWJ4Y4vJjtpvN8zcSqqMhcHK9+Mc54qQarepNPb3OnxLOlsbiJY7neHAONpO0bTnHYj8qe+hQSW+0z3H2jzVmN1uBkLr0PI24xkbcY5PFH9hwvn7RcXFwXI88yMv78DorYAwo/urgHJyDk5NwVkP0rVDq0K3UFuUtHjDJK7YZ27gLjoOmTjJ6DGCc5fFtvNexx2ptZonnEIAu184knG4RAH5c+pBxk49dixsItOtTb25byt7Oqtj5NxJwMdsniqltohtIRFDqd8I41KwqWTEQ9vl+bA4G7dR1DoNg1qS51C4so7MiW1m2zs0mESPGVbOOSQfu+xyRwTWtfFEc81wCls0MNu1xvt7tZioB+64AwrHPQFuh5qxJ4ZsGjnSMywrcRLHJsYHeQxYMdwO5sk5JznPNSJoUQ85ri6ubl5jGXeUrkhDkLhVAC+oA5zQBVTW9Te6Fu2kRxytAJ/nu8CNc4w5CcH0xu/Dmnxa3d3YtFsdODyT2wuJPNn2LCD90EhSTnDYwO35XZtKhn+3bpJQ17GI5GUjKqARheOOpP41Rg0WWS5uLp7m6smlby/KgdcGJeFHIOOMnKkH5utH9f1+Af1/X4la61VL+0sxdoLZBK810u7cESBjnnuN4X61PpviaPUdSit41tmWZWZPJu1lkQDn94oGFz7MeeKuPodm8E0IV0jlgFuFRsbFGT8p65yc59hU9nZPaszS3tzduwAzOVGB7BVUfjjPvQgLVFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQB//2Q==)

1. For example, here’s some info on those weird operator buttons[[32]](#footnote-32) and what they actually mean.

![Graphical user interface

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAeAB4AAD/4REERXhpZgAATU0AKgAAAAgABAE7AAIAAAATAAAISodpAAQAAAABAAAIXpydAAEAAAAmAAAQ1uocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFNvcGhpZSBBcmdldHNpbmdlcgAAAAWQAwACAAAAFAAAEKyQBAACAAAAFAAAEMCSkQACAAAAAzU0AACSkgACAAAAAzU0AADqHAAHAAAIDAAACKAAAAAAHOoAAAAIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAyMDIwOjAzOjMxIDEwOjA0OjMyADIwMjA6MDM6MzEgMTA6MDQ6MzIAAABTAG8AcABoAGkAZQAgAEEAcgBnAGUAdABzAGkAbgBnAGUAcgAAAP/hCyVodHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLjAvADw/eHBhY2tldCBiZWdpbj0n77u/JyBpZD0nVzVNME1wQ2VoaUh6cmVTek5UY3prYzlkJz8+DQo8eDp4bXBtZXRhIHhtbG5zOng9ImFkb2JlOm5zOm1ldGEvIj48cmRmOlJERiB4bWxuczpyZGY9Imh0dHA6Ly93d3cudzMub3JnLzE5OTkvMDIvMjItcmRmLXN5bnRheC1ucyMiPjxyZGY6RGVzY3JpcHRpb24gcmRmOmFib3V0PSJ1dWlkOmZhZjViZGQ1LWJhM2QtMTFkYS1hZDMxLWQzM2Q3NTE4MmYxYiIgeG1sbnM6ZGM9Imh0dHA6Ly9wdXJsLm9yZy9kYy9lbGVtZW50cy8xLjEvIi8+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczp4bXA9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8iPjx4bXA6Q3JlYXRlRGF0ZT4yMDIwLTAzLTMxVDEwOjA0OjMyLjUzNTwveG1wOkNyZWF0ZURhdGU+PC9yZGY6RGVzY3JpcHRpb24+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iPjxkYzpjcmVhdG9yPjxyZGY6U2VxIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpsaT5Tb3BoaWUgQXJnZXRzaW5nZXI8L3JkZjpsaT48L3JkZjpTZXE+DQoJCQk8L2RjOmNyZWF0b3I+PC9yZGY6RGVzY3JpcHRpb24+PC9yZGY6UkRGPjwveDp4bXBtZXRhPg0KICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICA8P3hwYWNrZXQgZW5kPSd3Jz8+/9sAQwAHBQUGBQQHBgUGCAcHCAoRCwoJCQoVDxAMERgVGhkYFRgXGx4nIRsdJR0XGCIuIiUoKSssKxogLzMvKjInKisq/9sAQwEHCAgKCQoUCwsUKhwYHCoqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioq/8AAEQgC3wJNAwEiAAIRAQMRAf/EAB8AAAEFAQEBAQEBAAAAAAAAAAABAgMEBQYHCAkKC//EALUQAAIBAwMCBAMFBQQEAAABfQECAwAEEQUSITFBBhNRYQcicRQygZGhCCNCscEVUtHwJDNicoIJChYXGBkaJSYnKCkqNDU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6g4SFhoeIiYqSk5SVlpeYmZqio6Slpqeoqaqys7S1tre4ubrCw8TFxsfIycrS09TV1tfY2drh4uPk5ebn6Onq8fLz9PX29/j5+v/EAB8BAAMBAQEBAQEBAQEAAAAAAAABAgMEBQYHCAkKC//EALURAAIBAgQEAwQHBQQEAAECdwABAgMRBAUhMQYSQVEHYXETIjKBCBRCkaGxwQkjM1LwFWJy0QoWJDThJfEXGBkaJicoKSo1Njc4OTpDREVGR0hJSlNUVVZXWFlaY2RlZmdoaWpzdHV2d3h5eoKDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uLj5OXm5+jp6vLz9PX29/j5+v/aAAwDAQACEQMRAD8A+kaKKiu3aKzmdDhljYg+hAoAlorKD3RUH7W/I/uJ/hS7rr/n8f8A74T/AAoA1KKy911/z+P/AN8J/hRuuv8An8f/AL4T/CgDUorL3XX/AD+P/wB8J/hRuuv+fx/++E/woA1KKy911/z+P/3wn+FG66/5/H/74T/CgDUorL3XX/P4/wD3wn+FG66/5/H/AO+E/wAKANSisvddf8/j/wDfCf4Ubrr/AJ/H/wC+E/woA1KKy911/wA/j/8AfCf4Ubrr/n8f/vhP8KANSisvddf8/j/98J/hRuuv+fx/++E/woA1KKy911/z+P8A98J/hRuuv+fx/wDvhP8ACgDUorL3XX/P4/8A3wn+FRrNdm4eP7W+FVTnYvfPt7UAbFFZe66/5/H/AO+E/wAKN11/z+P/AN8J/hQBqUVl7rr/AJ/H/wC+E/wo3XX/AD+P/wB8J/hQBqUVl7rr/n8f/vhP8KN11/z+P/3wn+FAGpRWXuuv+fx/++E/wo3XX/P4/wD3wn+FAGpRWXuuv+fx/wDvhP8ACjddf8/j/wDfCf4UAalFZe66/wCfx/8AvhP8KN11/wA/j/8AfCf4UAalFZe66/5/H/74T/Cjddf8/j/98J/hQBqUVl7rr/n8f/vhP8KN11/z+P8A98J/hQBqUVl7rr/n8f8A74T/AAo3XX/P4/8A3wn+FAGpRWXuuv8An8f/AL4T/Cjddf8AP4//AHwn+FAGpRWXuuv+fx/++E/wo3XX/P4//fCf4UAalFZe66/5/H/74T/Cjddf8/j/APfCf4UAalFZe66/5/H/AO+E/wAKN11/z+P/AN8J/hQBqUVl7rr/AJ/H/wC+E/wo3XX/AD+P/wB8J/hQBqUVl7rr/n8f/vhP8KN11/z+P/3wn+FAGpRWUz3QUn7W/T+4v+FNhlu5IEc3bgsoJwi+n0oA16Ky911/z+P/AN8J/hRuuv8An8f/AL4T/CgDUorL3XX/AD+P/wB8J/hRuuv+fx/++E/woA1KKy911/z+P/3wn+FG66/5/H/74T/CgDUorL3XX/P4/wD3wn+FG66/5/H/AO+E/wAKANSisvddf8/j/wDfCf4Ubrr/AJ/H/wC+E/woA1KKy911/wA/j/8AfCf4Ubrr/n8f/vhP8KANSisvddf8/j/98J/hRuuv+fx/++E/woA1KKy911/z+P8A98J/hRuuv+fx/wDvhP8ACgDUorL3XX/P4/8A3wn+FRzzXcVu8i3bkqpIyi/4UAbFFFFABUF9/wAg65/65N/I1PUF9/yDrn/rk38jQBTX7i/SlpF+4v0paACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKhT/j9m/wBxP61NUKf8fs3+4n9aAJqKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooARvuN9Kjtf+POH/AK5r/KpG+430qO1/484f+ua/yoAlooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACobz/jym/3DU1Q3n/HlN/uGgDYooooAKgvv+Qdc/8AXJv5Gp6gvv8AkHXP/XJv5GgCJNNtSikq/T/nq3+NL/Zlr/df/v6/+NWY/wDVr9BTqAKn9mWv91/+/r/40f2Za/3X/wC/r/41booAqf2Za/3X/wC/r/40f2Za/wB1/wDv6/8AjVuigCp/Zlr/AHX/AO/r/wCNH9mWv91/+/r/AONW6KAKn9mWv91/+/r/AONH9mWv91/+/r/41booAqf2Za/3X/7+v/jR/Zlr/df/AL+v/jVuigCp/Zlr/df/AL+v/jR/Zlr/AHX/AO/r/wCNW6KAKn9mWv8Adf8A7+v/AI0f2Za/3X/7+v8A41booAqf2Za/3X/7+v8A40f2Za/3X/7+v/jVuigCp/Zlr/df/v6/+NQR6fbm/nQq+1UQj943fd7+1aVVov8AkJXH/XOP+bUAN/sy1/uv/wB/X/xo/sy1/uv/AN/X/wAat0UAVP7Mtf7r/wDf1/8AGj+zLX+6/wD39f8Axq3RQBU/sy1/uv8A9/X/AMaP7Mtf7r/9/X/xq3RQBU/sy1/uv/39f/Gj+zLX+6//AH9f/GrdFAFT+zLX+6//AH9f/Gj+zLX+6/8A39f/ABq3RQBU/sy1/uv/AN/X/wAaP7Mtf7r/APf1/wDGrdFAFT+zLX+6/wD39f8Axo/sy1/uv/39f/GrdFAFT+zLX+6//f1/8aP7Mtf7r/8Af1/8at0UAVP7Mtf7r/8Af1/8aP7Mtf7r/wDf1/8AGrdFAFT+zLX+6/8A39f/ABo/sy1/uv8A9/X/AMat0UAVP7Mtf7r/APf1/wDGj+zLX+6//f1/8at0UAVP7Mtf7r/9/X/xo/sy1/uv/wB/X/xq3RQBU/sy1/uv/wB/X/xo/sy1/uv/AN/X/wAat0UAVP7Mtf7r/wDf1/8AGj+zLX+6/wD39f8Axq3RQBU/sy1/uv8A9/X/AMaP7Mtf7r/9/X/xq3RQBTfTbURsQr9P+erf41FZ6dbPYwOyvlo1JxKw7fWr8n+rb6GorH/kHW3/AFyX+QoAj/sy1/uv/wB/X/xo/sy1/uv/AN/X/wAat0UAVP7Mtf7r/wDf1/8AGj+zLX+6/wD39f8Axq3RQBU/sy1/uv8A9/X/AMaP7Mtf7r/9/X/xq3RQBU/sy1/uv/39f/Gj+zLX+6//AH9f/GrdFAFT+zLX+6//AH9f/Gj+zLX+6/8A39f/ABq3RQBU/sy1/uv/AN/X/wAaP7Mtf7r/APf1/wDGrdFAFT+zLX+6/wD39f8Axo/sy1/uv/39f/GrdFAFT+zLX+6//f1/8aP7Mtf7r/8Af1/8at0UAVP7Mtf7r/8Af1/8agvtPt47Cd0V9yoSMyMf61pVW1H/AJBtx/1zP8qALNFFFABUF9/yDrn/AK5N/I1PUF9/yDrn/rk38jQBLH/q1+gp1Nj/ANWv0FZev69/YNvFL/ZWp6l5rldmnW3nMnGcsMjAoA1qK8z8BeN7q4+0Wl5pXiG7afVJQly1sZI7dSwwjsW+Xb3HavTKOlw62CiiigAooooAKKKKACiiigAooooAKKKKACiiigAqtF/yErj/AK5x/wA2qzVaL/kJXH/XOP8Am1AFmiivPNf1HU/AVws8XiOHUre4kJj0rUwzXDZJJEUkYLHJ+Ubl2jI5pXA9DoqjouoT6po1teXenz6dNMgZ7afG6M+nH9QD6gdKvVTVnYNwooopAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUANk/1bfQ1FY/8g62/wCuS/yFSyf6tvoaisf+Qdbf9cl/kKAJ6o2GuaTqsrx6ZqdneSRjLpb3CSFR6kAnFY/xDubWDwLqMV3cvAbqI28PlpueSRvuoqjqT0+ma800HUbDw/rtvea/p0Hh260GxEb2cCfv9SZwFDdg3r1JznJx0Fq7f1/W33g9Ee40VDZ3Bu7KG4aCW2MqBvJmADpnswBIz+NTUbBuFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFVtR/wCQbcf9cz/KrNVtR/5Btx/1zP8AKgCzRRRQAVBff8g65/65N/I1PUF9/wAg65/65N/I0ASx/wCrX6CnU2P/AFa/QU6gDM0LQbXw/bXMNnJM63N1JdOZSCQznJAwBxWnRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFVov+Qlcf8AXOP+bVZqtF/yErj/AK5x/wA2oAs1i6T4T0nR7+fUIYWuNQnYtJe3T+ZMc54DH7oA4wMcAZzW1RQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFADZP9W30NRWP/IOtv8Arkv8hUsn+rb6GorH/kHW3/XJf5CgDL8WeF7bxZo32K4mltpI5BNb3ER+aKQZw3uOen6g81y1/wDDDUtauI73XPF9zdahaBfsM8VlHCICGzllB+bnHcdO9eiUUbBuV7GO6hsYo9QuI7q4VcPNHF5Qc+u3Jx+f5dKsUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFVtR/wCQbcf9cz/KrNVtR/5Btx/1zP8AKgCzRRRQAVBff8g65/65N/I1PUF9/wAg65/65N/I0ASx/wCrX6CnU2P/AFa/QU6gAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACq0X/ACErj/rnH/Nqs1Wi/wCQlcf9c4/5tQBZooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigBsn+rb6GorH/kHW3/AFyX+QqWT/Vt9DUVj/yDrb/rkv8AIUAT0UUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABVbUf+Qbcf9cz/ACqzVbUf+Qbcf9cz/KgCzRRRQAVBff8AIOuf+uTfyNT1Bff8g65/65N/I0ASx/6tfoKdTY/9Wv0FOoAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAqtF/yErj/rnH/Nqs1Wi/5CVx/1zj/m1AFmiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAGyf6tvoaisf8AkHW3/XJf5CpZP9W30NRWP/IOtv8Arkv8hQBPRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFVtR/5Btx/1zP8qs1W1H/kG3H/AFzP8qALNFFFABUF9/yDrn/rk38jU9QX3/IOuf8Ark38jQBLH/q1+gp1Nj/1a/QVka9NNJPp2mW0kkTXtx+9kjfayxINz4I5GcKvHPzUAbNFZHiGeVobfTbSWSK41CURCSJtrRRj5pHB7EKCAfVlpNC1EtpEqahMPtGnO1vdSO3UoM7yf9pSrfjV8j5eYjnXNy/16GxRXJeIvEAufCeot/Zt/FaS2ziO7ljUI2QQDt3b1B9WUCtu81hLOeK0gtLm+u3Tf5Fsq5VOm5mdlVRkYGTk9gcHFOlJE+1i3/X9enc0qK5OHUYJdT8R3VzDdQJDYwGeEExzJtExIDK3XHQq2PQ1dm168g8SwaZDpF1PbvbNJ5qvFk4ZBuy0gO0bjnIznGM80eyd7L+tLi9tHl5n/WtjforJXVrCysry4Y3ASO6aJlctKzyZA2oMk8kgBRj6ClttdEl7HaX2nXmnSzZ8j7SIyspAJIDRuwBAGcEgntnBxPJLcvninZmrRWC3iyAR3EsWnahNBaSvFdTRxptgKNhiQWBYYG75Axx78U/UbmW11rSb2CZntLtvss0e/KfMC0cgHTORjI6hvYYThJWuNTi726G3RRRUlBRRRQAUUUUAFVov+Qlcf9c4/wCbVZqtF/yErj/rnH/NqALNFFctbatdQ+F5dZyZbnUrhfskUrkxoHcJCMDoMFWOOuTTinJ2QpNRV2dTRXO3WkWFlZm51/Xb4OcB7qTU5LVNx6YVGVF9hj65PNWW12zsdP09kuJdVW7fyYJ4NkhmcKT1XC87SMjAB64GSNPZ3Xu6mftLO0tPmbNFZU+u+S8MCabez3ssfmtaReXviXOMuxcIOeB83POM4OHw65FcadLcw2t08sMnlSWgjHmpJx8hGdvcHdnbg5zjmp5JWuVzxvY0qKxf+EhZobtBpV7HfW0Yk+yS+VvdD0cMH2EZBz82RjpyMxaf4leXw5a6jqWn3EEtwkYjiUIxuHdc4jCu3HX7xGBycAE0/ZStcXtY3S9fwN+isy01xLi5ktbmyurG6SIzCC4CEyIOCylGZTgkAjORkZHIpdH1pNat0ubazuo7aSMPHPMqqHz1AG4tkepGD2JHNJwktRqcWaVFc14l0qFIkuo7nUYpZryBH8rUrhF2tKqsAocAZBPQCk1q3tdDs7GRXu3jGoRM3nXEtwxOCAF3sxyemB1NXGEZJWe+m3/B8yXOUW7rRK+/r5eR01FZthrS3l89lcWV1YXSx+aIrkIS6ZxuUozKcHgjORkcc1EniFRdwRXWm39nFcv5cNxOiBHY8gEBiyk9tyr6cHio9nK9ivaRtc16KxJfE8YuL2G002/vXsZNlwIET5PlDA5ZxuyD0XJ9QMjMer35FnpeuadcO1qJo/MUMQssEpC5KnuCVYdxgjuaThJWb6/qCnFtpdP0N+iiipLCiiigAooooAKKKKACiiigAooooAKKKKAGyf6tvoaisf8AkHW3/XJf5CpZP9W30NRWP/IOtv8Arkv8hQBPRWR4kuJ0sYLOzkeKfULhLZZEOGjByzsD6hFbHvisnW59Oh8V29trOrSWNoLAsgOpSWwZw4GSQ67jj1zV04c7sRUnyRv/AFq7HW0Vz2iXsVtbalcfb5LjRYG3291cSGTjGXAkPLoD0Yk9xk44sJ4jUPE15peoWVtMwWO6uI0CEk4XIVi6Zz/Gq46HB4qnTley/r/gkqrGyb/r/gGzRWXc64I72S1sdPvNRlhx532YRhYiRkAtI6gnBzgEkDGcZFUdT1CDU9N024ti23+0oFZJEKujB8FWU8gg0o05NrzG6kUn5X/A6Kism514RXc1vZade6i1vgTm1Ee2IkZ2ku65bHOFyRkZxkVK2sxvp9vd6fa3OoLcf6tLdAG9928qFxjGGIOeOvFLkla4+eN2jRorGPiezj0e51C5iuLdbOUQ3MMiDzIWyo5wSCMMGypOQeMnipLXXVn1COzubC8sZJlL27XKoBMB1xtYkHBBw20+3Bwezl2F7SPf+v6/E1aKiurmKys5rm4YJFChd2PYAZNc5oV1f2uqRpq80rf2xG11DHK3/Hu4OTCB2+Qrx6o570Rg5JscpqLS7/1/kdRRWRceIUi1K40+10+9vrq3CtJHbqgAVhkNudlHtjOTg4GATTj4isjpVtfQiab7U2yCCOP97I/OU2nGCMHOSAMEkgDNHs5WvYPaRva5q0VzTakbzxVpMM9lc2M6rO3lXATLLtHzBkZlPPbOR3AyM3NAmnjm1HTLqR5msbjEUkjbmaJwHXJPJIyVyf7tEoONr/1rYIyUtjZqtqP/ACDbj/rmf5VZqtqP/INuP+uZ/lUFlmiiigAqC+/5B1z/ANcm/kanqC+/5B1z/wBcm/kaAJY/9Wv0FY2rn7P4k0S6cHy2eW1LdlLqCufqY8fUitmP/Vr9BUV5ZwX9q1vdpvjYq2AxUgggggjBBBAOR6UAYj6LqGo+I7nUpr2501YU+zWgtxC5eM4Z3O9HxlsDHB+XnrVS48MXw1C9jF9cXtrq9m0F1NOIg0LqP3bYRVBGCwPBPTt062itlWktF/X9b+pj7GLd/O+/9dNPQ5fVZdfv/Dt3psehlLuSBojM08ZgbjBKfNvJI6BlX3Iq5cQXum65LqVpZPfxXUEcMsUUiLLGyFiGG8qpB3kH5gRgYznjcope08kHsvNnLSWOrX6eI5Z7EQG+sEhtYvNUsSFkG1iDgNlh3I54J5NX7qC7t/ENhfQ2cl1ELV7aQROgaMs0ZDHcwyvynOMn2NbVFHtHe9v6tYfsly2v/V7nNyaRfm1nkhjj+0Q6o17BHI4Cyr0wSM7cgnBxwccVO4v9avLMTaZPp1tazrPI1zLGXkIB2qgjdhjPUkjjgA543aKPaPsN003v/X9Mx7LT54tDv7eSICWea6dVyPmDyOVP4giqF5G8WneGtKlXFy08BdAQdohTex+mVA/EV09QGxtzqIvjHm5WIxK5YnapOSAOgyQMnvgegqHJv77/AHFcq/P8SeiiipKCiiigAooooAKrRf8AISuP+ucf82qzVaL/AJCVx/1zj/m1AE8ieZGyHowIrm9JsRrHgG1sHdre4tkWHeFyYZ4WwGwfRkzjuK6aoILOC2muJYE2PcuJJfmOGbAGcdAcAdOuKabTuv6sJpNWZmJq2sQx+XeeHriedRgyWU8Jif3HmOjD6FePU9ap6fol9Z2uhxzpGz2t5PPOYnyqBxKRgkAnl1HSumorT2mlkrGfs9bts5nWNFk/t59TS2vryKeBIXisb97aRCpYg4EiKyncepyMcZycRnS72HRZW0+yvLWSe6R54TqJluZYQACPMdiEbHYP0HDAnjqqKarSSS/zE6MXJy7+n/DnLaTpNyus3Nx9ivbS3mszCv26+NzIG3d8yPtHPYnpzg8VAdGvr3w5pEM9jcQ3OjlAYhdiI3AERRjHJE+R1yMlc4wcA5rsKKftpXv/AJ+f+YvYRtb17dbf5I5vS9MzfPcHStRtTHCyI+o6o07ZbGQqeZIoHHJJB6cd61dCtpbLw7p9tcpsmhto45FyDhgoBGRxV+iolUct/wCv6uXCmobfp1t29DN120mvLKCO2Tey3cEhGQMKsqsx59ADRrFpLd/YPJj3iG9jlfkDCjPPP4VpUVMZNW8tSnFO/mrfn/mZN7Z3cniCG6tQFVLGeISsRhZGaMrx1P3T27Vz0ekanPJpzTafqn2mC6ilup7rUw8T4YbikayFfU/cXAHAzxXb0VpCrKCsv6/q5nOjGe/9aJfoZekWc1rdas88ewXN6ZYzkHcvlRrnj3U9fSsa9t5bPwHY6VPHsubiSG0WMEHBLjPTjhQT+FdbUE1jbz3lvdTR75rbd5RLHCFhgnHTOOM9QCfU1m5N6en4Giild+v46k9FFFSUFFFFABRRRQAUUUUAFFFFABRRRQAUUUUANk/1bfQ1FY/8g62/65L/ACFSyf6tvoaisf8AkHW3/XJf5CgDL8RH7PcaPesCY7e/USEfwiRGjB/76daZfi+tPFUeoW+l3N9AbIwH7O8QKtvDch3XsO1bF3aw31nLa3UYkhmQo6E4yD9KlRQiKoyQowMkk/metVCXK7kzjzK39aO5y7aJd6qmszG0XSvt8SLHC5V2aRCT5kgQlcn5RwScDk9AJ746prmntpk2jy2PnYWe5knjaNVyN3l7WLsT2yq+px0roqK09q77bGfsl39fMwY1v9E1C+MOmTajbXk5uFa2kiV42KqpVhIyjHy5BBPXBAxzANGvjarNJGv2m41WO9miSTKxKNoxk4zhUGcd84rpaKSqNapf0hukndN6a/jf/NnI3GiS2eqXspsNUvoruYzo2nam8GwkAFXQzIvUcFc5HXGOZLjS721sdOgt7K8+xr5rXVnYagRKXY7lYzOyMwyWJwwOSOoFdVRVe2lpfp6+hPsI3b7+nr2OQttEvho+qQm0mQ3V7DPFHPdee+weVkM7MeRsORkjsCRg1ualZzXGs6PcRR7o7aeRpWyBtUwuo+vJHStOipdSTf8AXaxSpRSsv61uYviTTrvWILfTYS0VpPJuu7hShKIvIUBgclmwOhGAc1S1jw5qctqlza61e3l5ZSC4tobhLdUd1/hJWNSMgleo6109FEasopJdAlSjNtv8zM0+1mj1nUruaExpciHZkgk4TBBwexNZUOkahZ2tndQWyyT2V5dSm13qDLHI7/dboGwQRkgHoSM5HUUUvaO/9eg3TTRgKdU1DxDp91LpjWVnbrKG8+WMy7ioAOEZht/EnPUDAzJo7i58R65dJ/q1kitQ3ZjGhLfkZMfhW3UFlZW+nWq21nH5cSktjcSSSSSSTySSSSTSlLm6FRjyre5PVbUf+Qbcf9cz/KrNVtR/5Btx/wBcz/KoKLNFFFABUF9/yDrn/rk38jU9QX3/ACDrn/rk38jQBLH/AKtfoKdVRIrzy1xcxdB/yx/+yp3lXn/P1F/35P8A8VQBZoqt5V5/z9Rf9+T/APFUeVef8/UX/fk//FUAWaKreVef8/UX/fk//FUeVef8/UX/AH5P/wAVQBZoqt5V5/z9Rf8Afk//ABVHlXn/AD9Rf9+T/wDFUAWaKreVef8AP1F/35P/AMVR5V5/z9Rf9+T/APFUAWaKreVef8/UX/fk/wDxVHlXn/P1F/35P/xVAFmiq3lXn/P1F/35P/xVHlXn/P1F/wB+T/8AFUAWaKreVef8/UX/AH5P/wAVR5V5/wA/UX/fk/8AxVAFmiq3lXn/AD9Rf9+T/wDFUeVef8/UX/fk/wDxVAFmq0X/ACErj/rnH/NqPKvP+fqL/vyf/iqrxx3X9oTgXEYbYmT5XX73+1QBo0VW8q8/5+ov+/J/+Ko8q8/5+ov+/J/+KoAs0VW8q8/5+ov+/J/+Ko8q8/5+ov8Avyf/AIqgCzRVbyrz/n6i/wC/J/8AiqPKvP8An6i/78n/AOKoAs0VW8q8/wCfqL/vyf8A4qjyrz/n6i/78n/4qgCzRVbyrz/n6i/78n/4qjyrz/n6i/78n/4qgCzRVbyrz/n6i/78n/4qjyrz/n6i/wC/J/8AiqALNFVvKvP+fqL/AL8n/wCKo8q8/wCfqL/vyf8A4qgCzRVbyrz/AJ+ov+/J/wDiqPKvP+fqL/vyf/iqALNFVvKvP+fqL/vyf/iqPKvP+fqL/vyf/iqALNFVvKvP+fqL/vyf/iqPKvP+fqL/AL8n/wCKoAs0VW8q8/5+ov8Avyf/AIqjyrz/AJ+ov+/J/wDiqALNFVvKvP8An6i/78n/AOKo8q8/5+ov+/J/+KoAs0VW8q8/5+ov+/J/+Ko8q8/5+ov+/J/+KoAs0VW8q8/5+ov+/J/+Ko8q8/5+ov8Avyf/AIqgCzRVbyrz/n6i/wC/J/8AiqPKvP8An6i/78n/AOKoAnk/1bfQ1FY/8g62/wCuS/yFRvFeeW2bmLof+WP/ANlUdnHdmxgKXEYXy1wDDnAx/vUAX6KreVef8/UX/fk//FUeVef8/UX/AH5P/wAVQBZoqt5V5/z9Rf8Afk//ABVHlXn/AD9Rf9+T/wDFUAWaKreVef8AP1F/35P/AMVR5V5/z9Rf9+T/APFUAWaKreVef8/UX/fk/wDxVHlXn/P1F/35P/xVAFmiq3lXn/P1F/35P/xVHlXn/P1F/wB+T/8AFUAWaKreVef8/UX/AH5P/wAVR5V5/wA/UX/fk/8AxVAFmiq3lXn/AD9Rf9+T/wDFUeVef8/UX/fk/wDxVAFmiq3lXn/P1F/35P8A8VR5V5/z9Rf9+T/8VQBZqtqP/INuP+uZ/lR5V5/z9Rf9+T/8VVe+juhp85e4jZdhyBFjP/j1AGjRRRQAVBff8g65/wCuTfyNT1Bff8g65/65N/I0ASx/6tfoKdTY/wDVr9BTqACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKrRf8hK4/65x/zarNVov+Qlcf8AXOP+bUAWaKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAbJ/q2+hqKx/5B1t/1yX+QqWT/Vt9DUVj/wAg62/65L/IUAT0UUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABVbUf8AkG3H/XM/yqzVbUf+Qbcf9cz/ACoAs0UUUAFQX3/IOuf+uTfyNT1Bff8AIOuf+uTfyNAEsf8Aq1+gp1Nj/wBWv0FZPiDwpovimOBNdsvtS25JjHmum0nGfukZ6CgDYoqO2t4rS1itrddkMKCONck4UDAGT7VJQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFVov+Qlcf9c4/5tVmq0X/ACErj/rnH/NqALNFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUANk/wBW30NRWP8AyDrb/rkv8hUsn+rb6GorH/kHW3/XJf5CgCeiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKraj/yDbj/rmf5VZqtqP/INuP8Armf5UAWaKKKACoL7/kHXP/XJv5Gp6gvv+Qdc/wDXJv5GgCWP/Vr9BTqbH/q1+gp1ABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFVov+Qlcf9c4/wCbVZqtF/yErj/rnH/NqALNFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUANk/1bfQ1FY/8AIOtv+uS/yFSyf6tvoaisf+Qdbf8AXJf5CgCeiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKraj/yDbj/AK5n+VWaraj/AMg24/65n+VAFmiiigAqC+/5B1z/ANcm/kanqC+/5B1z/wBcm/kaAJY/9Wv0FOpsf+rX6CnUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVWi/5CVx/wBc4/5tVmq0X/ISuP8ArnH/ADagCzXPaz430XRrv7C00l9qRzt0+wjM87EDJG0fdODn5iOAa6GuQvvAzWl/Lqvg2/fRr+Rt8sHL2ty3P34+2em5emSQM0uozodHvLy/01LjUdOfTZnY/wCjvKrsFz8pJHAJGDjt0q9VHRp9Sn0xG1u0itL0ErIkMm9GwcblPUA9QDyM4NXqp7koKKKKQwooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigBsn+rb6GorH/kHW3/XJf5CpZP8AVt9DUVj/AMg62/65L/IUAc746u7mzttENpcSwGXWbaOQxOV3oWOVOOoPpXU1yHxD/wCPXQf+w5af+hGuvoXwv1/RA9/l+rCiiigAooooAKKKKACiiigAooooAKKKKACiiigAqtqP/INuP+uZ/lVmq2o/8g24/wCuZ/lQBZooooAKgvv+Qdc/9cm/kanqC+/5B1z/ANcm/kaAJY/9Wv0FOpsf+rX6CnUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVWi/5CVx/1zj/AJtVmq0X/ISuP+ucf82oAs0UUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQA2T/Vt9DUVj/wAg62/65L/IVLJ/q2+hqKx/5B1t/wBcl/kKAM/xDoP9vRWCfafs/wBjvorzPl7t+w529RjPr+la9FFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVW1H/kG3H/AFzP8qs1W1H/AJBtx/1zP8qALNFFFABUF9/yDrn/AK5N/I1PUF9/yDrn/rk38jQBLH/q1+grP1rUZbGO1hsxG13eXCwQiQEqOrMxA5ICqx6jsM81oR/6tfoKx9TIXxZohkOEZbhFz/f2qR/46Ho6gLcX2pXetT6fpTWtsLWJJJZ7qJpd5fOFVFZeMKcsT14x1NX7WW4it4k1aS2W5dyimFiFkPJGA3IJAJ25OMHk4zWVrdz4c+2iPWb2OwukQbJ2uGtHKnssgK7hkcqCRnGR0rOXUJTpWm6nfyyy2dvqTMt3LGEZoCjosrgAADLj5sAbcNXRyOUVZf16nM5qMnrf5/p+p1pmjE3k+YnmlS4j3Ddt6Zx6ZrF0fxHYyaXpkepapaLqN1bxOYpJkSSRmA6Jx1PoKgtNTtNT8aiTT5kuYF05wJ4mDRufMXIVhwcd8fTqDWZomqeHIfBEGnXflJJNbjzLCVczXLEDlU6ybuMEA+nbAI0/dd076fqOVX3tGkv+GZ0N34o0aw1lNMvNQtoLhkLkSTou3lcKcnIJ3ZAxyAauHU7AXcdqb22FxIzKkPmrvcr94AZySO/pXO20zaTfeHm1+5SCU6a9u8k8gG6YmI7CxOCxwfrg1b0hEtj4iu4rbzpzeSFlUfNLtjXaufxOB7n1olTilfyfz1sEak5P1a+Wl/8AgdP0NS21nS728ktLPUrS4uY874Yp1Z0wcHKg5GDxRe6zpmmSJHqWpWlo8gyizzrGWHsCea41NVF/c6CY9S0eUR3UZFpYW7b7QMpXYz+Z8vXbgouemB0rWs9R0nR7rVYtfnt7S7uLl3drtgv2mIk+XtJ++Avy7RnByO/NSo2fX0JjXbV7r1+/z8vI0x4n0Y62+knUbVbtAo2GdMszEjYBnJYY5GO49atw3ccemm6vL21eNAxkuU+SIAE+rHGOh56g9OlZMF7Y2fiwRySR2i3dhAlpFKPKL7XkyiqcHIDL8uMjPSsqDy4tH0S6v03adb3k73BIykbb32SOP7qt36KcE4xkT7NNK39bj9o03f8Arbf79zrLHU7DVImk029tryNDtZ7eVZAp9CQaj/tvSjdRWo1Oz+0TgNFD9oXfID0KjOT0PT0rKS7stW8VWN3oU0N0IopFvLq2IdChHyxlxwW3YYLyQATxnnMWwt4/hTeeXGqloprgsBz5gYkNn1GBg9sD0o9nHrfp+v8AkP2kmvdszo31KaDxLHp9wqeRdQNJbSKCDvQjerc88MCOnRq06xNYbdrfh5VP737VI/8AwAQSBv1K1t1zm4UUUUDCq0X/ACErj/rnH/Nqs1Wi/wCQlcf9c4/5tQBZooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigBsn+rb6GorH/kHW3/AFyX+QqWT/Vt9DUVj/yDrb/rkv8AIUAT0UUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABVbUf+Qbcf9cz/ACqzVbUf+Qbcf9cz/KgCzRRRQAVBff8AIOuf+uTfyNT1Bff8g65/65N/I0ASx/6tfoKp6rpv9pW8QSQQz28yTwSlN2x1PpkZBBKnkcMauR/6tfoKdQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBQ/szfr/8Aac8u8xweTbxbcCIMcuc55JwvpgD3q/RRQAUUUUAFVov+Qlcf9c4/5tVmq0X/ACErj/rnH/NqALNFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUANk/wBW30NRWP8AyDrb/rkv8hUsn+rb6GorH/kHW3/XJf5CgCeiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKraj/yDbj/rmf5VZqtqP/INuP8Armf5UAWaKKKACoL7/kHXP/XJv5Gp6gvv+Qdc/wDXJv5GgCWP/Vr9BTqbH/q1+gp1ABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFVov+Qlcf9c4/wCbVZqtF/yErj/rnH/NqALNYcviTZpGo6lHa77e0mMUR83Hn7WCsenADZA65x2rakLCJygy204HvXGuqr8H4NneyiZvdiVLfjkmrppSmk/L8SKjag2jtKKr6g88em3L2a7rhYXMQxnLYOP1rhLfT5pNCtdStbLQ7e6bY66w+pP5zSE4O9jCCcnKlCcc7eMVdOnz9SKtX2dtL7/h8meh0VxusWNlbXmo6zd2tnqkEcgeWfz9l1ZbVX5IyB1z8wG5D83fNGsWNlb3mo6zd2tnqkEcgeWfz9l1ZbVX5IyBwc/MBuQ/N3zTVJO2u/8AwNNyZVWr6bf8Hy8ul/PY6u8e7S3J0+GGebIwk8xiUjv8wVj+lY9pq2vXV3cwDSdOX7LKsUh/tKTqUV8j9xzww9Oa36ydI/5DGuf9fif+iIqiDVndX08+6Lmm2rO33f5FjS76S9+2eaqjyLqSFdoPKrjGfer1claeH9O1Ndam1G2S5l+2zCJ5BloMAf6s/wABzzkYPT0GIxMusadolpcaXbaveSaetywv5tsIGFBYja258kfw8ZPIzzo6ab08vyv3J9o43uu/527efmdjRXAQxm48Iz2e5YI49aihiW1uC6wL5sfyxvhTgZOOBjt0rdGl2ejeKdPOlW0Vmt1HMlwkKbVl2gMrMB1YHPJ5+Y0nSSvr3/K/9bgqrb0X9Xa7eXkaej6n/alm8jxeRPDK8E8O7d5bqcEZwMjoQcDIIq/WLpIC+JdeWMYQyQu2P75iAP6Ba2qwNwooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAGyf6tvoaisf+Qdbf9cl/kKlk/wBW30NRWP8AyDrb/rkv8hQBDq+pLpWmyXRjMz5VIog2DJIxCque2SRVO81bUY9Yi06wsLWeVrb7RI0920Sr8wXAxG2eT7UmvDdqegpIMxHUMnP94QyFf1H5gVU1C0mu/HUS2+oXNiV01iXt1jJb96ODvRh+QrSkk373n+XkZ1m1H3fL87dTU0rU5b2S5tr21FreWrASxrJ5iENyrK2BkEDuAQQeOhOjXGTzXWnW/iO1tLpru4hhSZ7xFzOpbIKsB8u5VXcAoUYP3R1Mup6Xo2m6LDqWgQ28V8zR/Y7mBv3l07EYVnHMobvuznk9s1q6cW9OtjJVJJel/wCtDrqoatfS2Edq0Koxmu4oW3A8KzYOPese10/Tta1zVl122gvbm3nCwwXSBxFAUUqyocgAndlgMkjHbinE+7TIUhkaayh1yKOzkZy+6IMv8R5IDb1B9BSjTV18vxKlUdpfP8E/8vyOzoriGsZ9Y13V1vNH0rVZIZ9ka6hdMrQRFRt2J5LBQeTuByTn+7gTKftOkaTpl7a2eu3MwleLzbwvbFEOAWcqTIwDKPuE5yeOtHsdFr+Xa/f/ACF7bVq21+/R27f5nY0VwEcTHwvrtkgis0h1KOOKOznMiWxJiJEbFVxhixwAMHNbUulWWjeJdHfSraO0N08sNx5Qx548pnBf+8wK53HJ5PPJpOkl1/qyYKq2r2/q9u3+Rt6lqNvpVi11dFtoIVURdzSMThVUdyTwBVA6hr4XzhoUBhznyhfj7Rtz/d2bN2O3mY/2qb4l3Qpp+oFHkgsLsTToi7iE2spbHfbuDfhWl/aNl/Z/2/7Zb/Y9u/7R5q+Xt9d2cYqUko3tcuV3LlvYNPv4NTsUurUsY3JGHUqysCQVIPQggg/SobnU/sms2dlNFiO8VxFMG/5aKN2wjHdQSDn+E+2eYez+12KTTCWKDUdcWeJclG8srt+o3BSfXDdq1tds7aw03TIbC2ht1h1K38mKFAiqTJhsAcD5Wb8zROCi1bq7f16XCE5O/o/1/Ox0FFFFZGoVW1H/AJBtx/1zP8qs1W1H/kG3H/XM/wAqALNFFFABUF9/yDrn/rk38jU9QX3/ACDrn/rk38jQBLH/AKtfoKdTY/8AVr9BTqACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKrRf8AISuP+ucf82qzVaL/AJCVx/1zj/m1AFmsnTtFW1sbvTbuKC4095maCJxv+RjuKMpGMBicdeMela1FGzuG5m2nh3RLC5W4sdH0+2nTO2WG1RGXIwcEDPSpRoulrqX9oLptmL3OftIgXzM4xndjPTirtFXzybvchU4JWSKU2jaZcagl9PptpLeIQUuHgUyKR0wxGRiibRtMuNQS+n020lvEIKXDwKZFI6YYjIxV2ilzS7j5IvoFMSKON5HjjVWkbc7KuCxwBk+pwAPwp9FSUMSGKMOI4kQSMWcKoG4nqT6mqt1o2l3ttFb3um2lxBCMRRSwK6x8Y+UEYHHpV2imm07oTSasyumn2ccXlR2kCx71fYsQA3Lja2MdRtXB7YHpUrRRvIkjRo0kedjFeVz1we1PoouwskZmh6bLp9tO94yPd3k7XE5jJKhjgBQSASAoVc8Zx2rToopDCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAbJ/q2+hqKx/5B1t/1yX+QqWT/AFbfQ1FY/wDIOtv+uS/yFAFbW9OfU9NMcDKlzC6z2ztnCyIcrnHY9D7E0t5o2m6r5cmraZZXcqLgGeFZdnqAWHSr9FNNx1QpJSVmQWdla6fbC3sLaG1gUkiKGMIoz14HFQ22i6XZ3r3lpptnBcyZ3zxQKrtk5OWAycmrtFPml3Fyx002Kd/pGm6ps/tPT7W88vOz7RAsm3PXGQcVYa2gaOONoYykZBRSowhHQgdsdqkopcztYfKr3sU7/R9M1RkbU9OtLwxghDcQLJtz1xkHFOvNMsNRt1g1CxtrqFDlY54VdVPTIBGKtUU+aXcXLHXTcrR6dYxQeTFZ26RfL+7WJQvy428Y7YGPTAqZ4YpJI5JI0Z4iWjZlBKEjBIPbgkfjT6KV2OyWgVnf8I/o3277b/ZFh9r3+Z9o+zJ5m/Od27Gc571o0UKTWwpRUt0Mkhjl2+bGr7GDruUHaw6EehrPvtNmvta0+eRkFnZFpgmSWeUgquRjGACx69SOmOdOikUFFFFABVbUf+Qbcf8AXM/yqzVbUf8AkG3H/XM/yoAs0UUUAFQX3/IOuf8Ark38jU9QX3/IOuf+uTfyNAEsf+rX6Cq2o6jFplqJpkkkLyLFHHEAWd2OABkgd+5AHWrMf+rX6CsbVVE3irQ4pBlE8+cA9N6oFH6O1HUCd/EFpH4lXRJFlW5eESrIV/dtnOF3Z+9hWOMdFPpVu5v4rW8s7aRXL3kjRxlQMAhC5z+CmsK406HVfFWr2s+VzZWrJIpw0bh5SrqexBwagTUpbvXdFtNQCpqNndyJcKowr5t5Nsi/7LDn2II7V0ezi1p21+453UlF699PwOtorhLeXUtWtJr02WvNdvLIIZrO9hSGHa5CgRGYBsY53qSTnPGANVDeazq0Nhq001kIbCK4ltracxNJKxYN86HdtUr0U4JYZzxSdG279QVa/Q6aiuYgmXSNV1qO41W5aztbOB13u0r2+TJnqCWPAPIJPGc1Ttnng8QabBHa63aW995sU32++EokAjZgVHms0bAjsF6n2oVK99f6tcbrWtddbfjb+tjsI5Y5lLQyLIoYqSrZwQcEfUEEU+uJgiOheFdSv9Ne6a5F3PCvm3byqoNyV3BZH2bgOdxxnueTVmzh1K21Kzey07XIlMgW6bUL+KaN4yOWx5zbWBwRsA9MY6Hsk7tP+vvF7ZrRr7rv9DotP1KHUVn8pXjkt5mgljkADIw+hPBBBHsRVusS0UQ+N9SSMfLPZ28z/wC+GkXP4hQP+A1t1h0OjrYKKKKACiiigAooooAKrRf8hK4/65x/zarNVov+Qlcf9c4/5tQBZooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigBsn+rb6GorH/AJB1t/1yX+QqWT/Vt9DUVj/yDrb/AK5L/IUAT0UUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABVbUf+Qbcf9cz/KrNVtR/5Btx/wBcz/KgCzRRRQAVBff8g65/65N/I1PUF9/yDrn/AK5N/I0ASx/6tfoKzNbsp5jZXtijSXNjcCRYwwXzEIKuuTx91iRnuorTj/1a/QU6gCBLOCO+lvEjxcTRrG75PKqSQMdP4j+dRT6VY3OqWupTW6teWgZYZskFQwwRx1/GrlFPmadxOKe6Mu48OaZdXEk0kUymY5ljiuZY45T3LorBWyODkHI4PFVdbhskltlvNKujbQpiK708SeZAemwCH94FI/u8cc44reoq1UkmrvYh04tOy3OY0PRrWabVJfsEken3saQCO8VvMuAu/c7h/n534G75sL6YrTtvDmm2t3FdIk8k8JPlS3F3LMyZBBALscAg8joePQVqUUSqybeoo0opK6KMWjWMM91KkTH7Znz4nldonz1/dk7AT3IHNQ2vh3TbS5jnjimdof8AVLPcyypF2yiuxVDjjKgYHHStSilzy7lckH0MnSLK5XUdS1G+Ty5bqUJFGWBKQxjC5xkZJLN/wIDtWtRRUFhRRRQAUUUUAFFFFABVaL/kJXH/AFzj/m1WarRf8hK4/wCucf8ANqALNFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUANk/1bfQ1FY/8g62/65L/ACFSyf6tvoaisf8AkHW3/XJf5CgCeiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKraj/AMg24/65n+VWaraj/wAg24/65n+VAFmiiigAqC+/5B1z/wBcm/kanqC+/wCQdc/9cm/kaAI01GzEag3MXQfxU7+0bP8A5+Yv++hU8f8Aq1+gp1AFb+0bP/n5i/76FH9o2f8Az8xf99CrNFAFb+0bP/n5i/76FH9o2f8Az8xf99CrNFAFb+0bP/n5i/76FH9o2f8Az8xf99CrNFAFb+0bP/n5i/76FH9o2f8Az8xf99CrNFAFb+0bP/n5i/76FH9o2f8Az8xf99CrNFAFb+0bP/n5i/76FH9o2f8Az8xf99CrNFAFb+0bP/n5i/76FH9o2f8Az8xf99CrNFAFb+0bP/n5i/76FH9o2f8Az8xf99CrNFAFb+0bP/n5i/76FV4761GoTubiPayIAd3XG7/GtGq0X/ISuP8ArnH/ADagA/tGz/5+Yv8AvoUf2jZ/8/MX/fQqzRQBW/tGz/5+Yv8AvoUf2jZ/8/MX/fQqzRQBW/tGz/5+Yv8AvoUf2jZ/8/MX/fQqzRQBW/tGz/5+Yv8AvoUf2jZ/8/MX/fQqzRQBW/tGz/5+Yv8AvoUf2jZ/8/MX/fQqzRQBW/tGz/5+Yv8AvoUf2jZ/8/MX/fQqzRQBW/tGz/5+Yv8AvoUf2jZ/8/MX/fQqzRQBW/tGz/5+Yv8AvoUf2jZ/8/MX/fQqzRQBW/tGz/5+Yv8AvoUf2jZ/8/MX/fQqzRQBW/tGz/5+Yv8AvoUf2jZ/8/MX/fQqzRQBW/tGz/5+Yv8AvoUf2jZ/8/MX/fQqzRQBW/tGz/5+Yv8AvoUf2jZ/8/MX/fQqzRQBW/tGz/5+Yv8AvoUf2jZ/8/MX/fQqzRQBW/tGz/5+Yv8AvoUf2jZ/8/MX/fQqzRQBW/tGz/5+Yv8AvoUf2jZ/8/MX/fQqzRQBUfUbMxsBcxdD/FUdnf2iWMCvcRhljUEFuhxV2T/Vt9DUVj/yDrb/AK5L/IUAN/tGz/5+Yv8AvoUf2jZ/8/MX/fQqzRQBW/tGz/5+Yv8AvoUf2jZ/8/MX/fQqzRQBW/tGz/5+Yv8AvoUf2jZ/8/MX/fQqzRQBW/tGz/5+Yv8AvoUf2jZ/8/MX/fQqzRQBW/tGz/5+Yv8AvoUf2jZ/8/MX/fQqzRQBW/tGz/5+Yv8AvoUf2jZ/8/MX/fQqzRQBW/tGz/5+Yv8AvoUf2jZ/8/MX/fQqzRQBW/tGz/5+Yv8AvoUf2jZ/8/MX/fQqzRQBW/tGz/5+Yv8AvoVXvr61k0+dEuI2ZkIADda0araj/wAg24/65n+VAFmiiigAqC+/5B1z/wBcm/kanqC+/wCQdc/9cm/kaAJY/wDVr9BTqbH/AKtfoKyte8UaT4ahD6vdLCzxySRRk4MuwZKqTgbuQACRkmk2kPc16KzNF8Q6X4hgeXSbuO4EW3zQhzsLKGAJHGcHnBPOR2rTp7C3CiiigAooooAKKKKACiiigAooooAKKKKACiiigAqtF/yErj/rnH/Nqs1Wi/5CVx/1zj/m1AFmiiigAoqK2u7e8h82zniuI9xXfE4YZBwRkdweKloAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAGyf6tvoaisf+Qdbf9cl/kKlk/1bfQ1FY/8AIOtv+uS/yFAE9FFc/wCHfGuj+J7++tNLlcy2T4beABKuSN6YJyuRjP09RR5B0udBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVW1H/kG3H/XM/yqzVbUf+Qbcf8AXM/yoAs0UUUAFQX3/IOuf+uTfyNT1Bff8g65/wCuTfyNAEsf+rX6CsvxHoMXiTTF0+6maO1aZHnjUf65FOdhPYEgcjnitSP/AFa/QU6gDL8O6KPD2jJpsVw08ELv5O5cFIyxKp74BxnvWpRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFVov+Qlcf9c4/5tVmq0X/ACErj/rnH/NqALNeX+J7LWE1qWbxqt/qnhksSE0mUxxQpj/lvEo3sBjdu3kDHvivUKKXW4zhdbv0tfBVhN8P5biG1eUBDoulpdnbg5BjYjbz1J5zwaxfDuteLbjxFZRaheeJXtnlAkW58MxQRkf7UgclR74r1CC2gtUKW0McKsxcrGgUFick8dyeSakqutxdLBRRRSAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAbJ/q2+hqKx/5B1t/1yX+QqWT/AFbfQ1FY/wDIOtv+uS/yFAFTxBpt1q+h3FhY3/8AZ8lwuxrgR72VT94AZGCRxntWS3gi3tbvRLnQ7gadLpKeRnyt4uID95H5HU857Ek4rqKKFpqG4UUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFVtR/5Btx/1zP8qs1W1H/kG3H/AFzP8qALNFFFABUF9/yDrn/rk38jU9QX3/IOuf8Ark38jQBLH/q1+gp1Nj/1a/QU6gAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACq0X/ISuP8ArnH/ADarNVov+Qlcf9c4/wCbUAWaKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAbJ/q2+hqKx/5B1t/1yX+QqWT/AFbfQ1FY/wDIOtv+uS/yFAE9FFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVW1H/kG3H/AFzP8qs1W1H/AJBtx/1zP8qALNFFFABUF9/yDrn/AK5N/I1PUF9/yDrn/rk38jQBLH/q1+gp1Nj/ANWv0FOoAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAqtF/yErj/rnH/Nqs1Wi/5CVx/wBc4/5tQBZooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigBsn+rb6GorH/kHW3/XJf5CpZP9W30NRWP/ACDrb/rkv8hQBPRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFVtR/wCQbcf9cz/KrNVtR/5Btx/1zP8AKgCzRRRQAVBff8g65/65N/I1PUF9/wAg65/65N/I0ASx/wCrX6CnU2P/AFa/QU2eeG1gaa5lSGJBlnkYKq/UmgCSioftlt9t+x/aIvtWzzPI3jfszjdt64zxmlubqCzt3uLyeOCGMZeSVwqqPcngU7MV0S0UisGUMpBUjIIPWo7m6hs4RLcPsQuqZwT8zMFUcepIFLrYd9LktFFR29xDdwLPazRzRP8AdkjYMrfQigCSiiqsOqWU8UMiXMYW4do4d52mRhnIAOCT8p/KnZsV0i1RRRSGFFFRx3ME0ssUU0ckkJCyorAlCRkAjtxzzQBJRRRQAUVG08KTxwvKiyyAlIywDOB1wO+Mj86koAKrRf8AISuP+ucf82qzVaL/AJCVx/1zj/m1AFmiioHvrSMTeZdQr9nIE26QDy88jd6ZyOtAE9FFFABRRRQAUVBeX1pp9ubjULqG1hBAMk8gRQT05PFZ6+LPDrsFTX9LZmOABeRkk/nVKEpK6REpwi7SdjXoqG3uobrzfIff5UhifgjDDqOamqdiwooooAKKKKACiiqV/rOl6WyLqepWlm0gyguJ1jLD2yRmmk27ITairsu0VUsNW07VQ50y/tbwR43m3mWTbnpnBOOhq3Q007MFJSV0FFFFIYUVDd3cNjaSXN0/lwxjLtgnA+g5qagAooooAKKjgniuYFmtpUmicZV42DKw9iKkoAKKKKACiiigBsn+rb6GorH/AJB1t/1yX+QqWT/Vt9DUVj/yDrb/AK5L/IUAT0U2WWOCF5ZnWONFLO7nAUDqSewqlea7pOneX/aGqWVr5q7o/PuETevqMnkU0m3ZCbUVdl+iobW7tr62W4sbiK5gfO2WFw6tg44I4PNTUNNOzBNNXQUUVDc3cNosZuH2CWRYk4JyzHAHFLce2pNRRRQAUUUUAFFRy3MEEkSTzRxvM2yJXcAu2M4GepwCcD0omuILfy/tE0cXmuI497Bd7Hooz1PtTsxXRJRVa+1Ow0uJZdTvbezjZtqvcSrGCfQEkc06zvrTUbcXGn3UN1CSQJIJA6kjqMjijldr20FzK9r6k9FMmmjt4XmnkWKKNSzu7AKoHJJJ6CnKwZQykFSMgg9aRQtVtR/5Btx/1zP8qs1W1H/kG3H/AFzP8qALNFFFABUF9/yDrn/rk38jU9QX3/IOuf8Ark38jQBLH/q1+grF1tftetaNp7H900zXUikfeEQBUf8AfbKf+A1tR/6tfoKxtfJs73TNWJUQ2sxiuGP8MUg27voG2E+2T2o6oOhjauht/Gl3rES5k020tpHwCS0JaYSLx14+bHqgqXxk66tY3NjEwe2t7GS9uCrDDfIwiX8WBb/gHvXQx6YE1u71BpAwubeOExFemwuc5zznf0x2rPtPC8dn4fv9MS6kc3iPGJpFyY0K7EUDuFXA688nvXSqkdH1W39eW5z8ju+z3/rz2LOn3sh1COxKr5S2EUwODuySR+XFZ2o38t7YX8cqoBa6vbQJtB5XzIGyffLGr1zo92Lq2u9Lv47a4ig+zyefbmWOVOoyoZSCD0Oe54NRQeG2isbqCS+aV7m/jvWlaPBBUxkrjPcx/hn25ScObmv/AFf/ACE1Pl5Uv65X+pDZHWW8aajHJqFs1pHFA3k/Zn4VjJgKfMwrcctg544GKP7d1KXTtIktLe3kuL+d4nDZCoArnd1zxtB755HGcjR/s24j8QPqNtdRpFPEkdxDJCWLbN20qwYbfvnOQ34Vi6npE1tD4e0+2vnhmjvHKXCIOD5Urcqc5HYjPIzyKacZNX8vyC0oJ28/zNKK+1Ow1a1tNYktLmK9JSGa2haEpIqlirKzvkFQcEEcjGOc1T0S9ktNG0iKMKVur6aF9wPAzM3HvlR+taFvpN5JqUN7rN9FdPbA/Z47e2MMaMRguQXclsEjqAATxnmkttC+z22nQ/ad32K6e4z5eN+4SDHXj/WdeenvScoWt/XX/gDjGf5/oQx3us6q08+kvY21rFI8UYuYXkadkYqxyGXYMggcN6+1M1vV7nT5UD6xoelbotyJfsWMrdwPnTCjjnDZz0GOZv7H1C0mnGjanDbW07tI0M9r5vluxyxjIdcZJzhg3PtxSHRL6DUri607UoYvtaxi4aezEkpKrtyrBlA45wVYA5OOSKE4X3X9d9H+oSU7PR/181+nzMuTUtX1a48PXmm3ltZw3qMxheFpgG8sk5KyKHHpwPX2rUn1yW0XVDLCsxs5IooUjypkd1XAJOcZZgM9h60weHri307S4bG/RLnTSdk00BkVwVKkMoYHoeobqPwqzNoUV0NSW5lZkv2RvkG1oiqgAg88gqCP605Spt+X/B/yCMZr1/4H+ZWmvdb0pYrvVXsLi0Z1SZLeJ42g3MAGDM5DgE88Kcc/7NMW+12/1DVLfTzY28dlOI0lnheTzcxq23AdduN33uevTjmb+x9Su2hj1jVYrm1hdX8uC18lpWUgr5jb2BGRkhQuT7cG/Y2H2K5vpfM3/a7jzsbcbPkVce/3c/jUuUV2v/w3/BBRk9Nbevk/+AYerXv9o+DrTXVj+zz2jx3YXOShVsSLnjIKl19811FcvqlmbTQLLw7DJ5017MIs7cfug++RiM9AuR9SPWuorKVrvl2ubRvZX3sFVov+Qlcf9c4/5tVmq0X/ACErj/rnH/NqkosOwRGZuijJri5Iz/wq2e7k5mv1F5K2OrSOG/QED6AV2jAMpDDIIwRXL6fYPqPg248OyTrBdWX+iM5XftCkGNtuRkFNp69z6VdNpTTfl/wf0IqJuDSOkurhLSzmuZs+XCjSNgZOAMmuNHjlY7WPUJtZ0GSFiGfTopgbhEPo/mEM4ByV2DPIB710UVnq8rGPVL7T7m0kVkliisHjZgRjG4zNj8qjt9K1e2WK2TWl+xRYCk2gNwVHRTIWKn0zsyR7/NWtP2cb82v9ehjU9pK3Lp/WnX+uxUudZ1Ea9LZx3OmWhSRVt7S9VhJeDAJZHDAAckcI+CvPpRc6zqI16WzjudMtCkirb2l6rCS8GASyOGAA5I4R8FefSrOq6LqGqJc2kmpwjTrk4eJ7TdKi8ZVH3ADpwSjEZ78UarouoapHcWb6nCNOucB4ntN0qrxlUfcAOnBKMQT34pxdPS9tv8vL+u+wpKp71r7/AOfn/Wmm5t1k6R/yGNc/6/E/9ERVrVUtLH7LeX0/mb/tcyy7duNmI1THv93P41hF2v6fqjoabaOesZNa3aw+lmzjjgvpSFuY2cztwSAQw2DtnDck8cc3rvXGOi2GoRahp2kw3UayGXUfmALKCEA3oCeTzu7dDnjRs9O+yRXaebv+0zvNnbjbu7deazE8N3Np/ZsunX0CXNjZizL3NoZVdeOQA6lTlf7xGPwrfmhJ6+X5f5mMozSdtb3/AD0/C/8Aw5VTxVdTeGWvrRLO8uYr5LTMEhMM+XVdytk7chh/ewfXHOjb3uqWutwWWqtaTx3cbtFJbQtGY2TBKsGZt2QeDx0PHNRxeHJFsZYZ78zSS38d60hiA5VkYrgHoSnHoCOuOdK4sPtGp2d35m37L5nybc7twx17YxScqey8/wAlb8f6sEYz6/1q/wBLf8OQavqFxaNa2thHG93eSGOIy58uPClmZscnAHTjJwMjqIIb7UrHVbay1h7S4S83LBPbRNFtdVLFGRmbgqCdwbtjHerWqaZ/aCwSQztbXdq/mW84UNsbBUgqeqkEgjj2IODUNtpd2+oRXusXsV1JbhhBHb25hjQsMFiC7EtjIznGCeO9TFx5df67FSU+bT+u5H4evdU1O1S9vvssUDhlWGKNi5IbG8sWwAcH5cHt83aqWpXU1p48tXt7C4vmOmygpbtGCo82Pk73UY/HNbelWH9maZDaeZ5vl5+fbjOST0/GqWoaTfTa3Dqem31vbyR27W7JcWrTBgzK2RiRMH5fenGUfaN9NfyFOMvZWW+n5r5Bda5cW+lvcSaTc285lSGCG5kj/eO7BV5jZ8DJ5J/I1WubzX9LW1e8bT7tLi5hhcwQPF5Idwp4Ltu4J54wQODni0+lXuoWM1trV7byhmR4ZLO1MLROp3BvmdwSCARx25zmsnW7LV1XTZNS1WGeKLUbXEdvaeT5hMqjLku2cdcDbz+VVDkcktN/P8CKjmoN66J9t9d/wN7Tr6W8u9SilVAtrc+Sm0HJHlo3PvljWf8A2zcyeGYNQe707Ty7ES3F5nyoxuIGF3DJJAHLDrnnoZ5tHvU1G5n0zUktYrwqbiN7fzGDBQu6NtwCsVA+8GGQDjqDWXwxJbWOlx2N7Gtzphfypbi381GDAg5XcDnB6hgevYkVK9npd9vy1/Et8+qt3/4H9aGbc64dX8J63E9zZXjWuF+1WLZilDYIIG5tpHQjJ6ZzzgdXfi4NhN9iljhn2nY8kZdR+AZSfzFZDeHLie01NLzURLNqKpvdYNqxlRj5V3HjpwTn3NbzKGUq3QjBpVZR+x/Wi/UdKMl8f9as5XStS1a28L6V581vf3uoRxJbZjeMKTGWLSMWYtgAnIxk8d+NGO81TT9StrfWJLO5gvHMUU9tC0JjkCltrKzvkEKeQRgjGDnIjh8O3C6PBZTaiu+xZTY3MNvseHapUbgWYPwcHhcgnp1qxBpd7Lfw3es38VybYloIra3MKKxBBdgXcscEgcgDJ4JwRcpQbb069Put/X3mcYziorXTz++/f+rWZDoafY9a1rT0P7lZ0uol/uCVcsP++1c/jW5WH4eY315qmrD/AFN1OI7dv78UY27voW3kexB71uVzdDq6hRRRQAUUUUANk/1bfQ1FY/8AIOtv+uS/yFSyf6tvoaisf+Qdbf8AXJf5CgDL8TL9qXTdNJ/d316qSgj70aK0hH47APxqrqF3NaeOomt9Pub4tprApbtGCv70cne6j8jVvxMrw2tpqUYz/ZtytxIMc+VgpJ+SuT+FLeaZe3GsRarpOoWsJ+zeSRPatMrKWDZBWRf61pSaT18/yM6ybj7vl+fmZtlqcWntr+oyWslvOGSR9Pxh842qxP3SXPGVLD5RySDi3c32uaTbf2hqj6fNaIQbiGCJ0eFSRkhyxD7c/wB1c9eOlTL4eNzFfHWrr7ZNexCFzFH5SRoMkBFyxByc5LE5/AUjaNqV3Gtrq2rRXNkrAskdp5cswU5Ad95BBxztVc+w4rbmg3933eX9fMx5Zpdevb8f6+QG91XUr+7i0mSztILOXyXluoHmaV9oY4UOm0DcBnJyc8DHNK71GTULG1W6iSK6tdXhguEjbcoYMDlTgHBVlPtnHatCXSL63vri40W/hthdN5k8NzamZC+ANy4dCCQBnJI46DnIvh9Vs4YvtLvKLxbyad1BMzggngYA4AA9AB1qYygrP0/4JUozfMvX0tZ2+e34mXe+LAdUvLaDWtE0sWb+UV1Ft0kz4BJC+Ym1ecZ5zzwMc2x4iN54attUt73TdOjkYrLcXknmRIQSpCkMofLDg7hxzjtVqTSr+3vJ5tG1CG3S5fzJYbq2Myh8AFkw6Fc45ByM8jHOWXeiXcs1hd2+oIb6yV1E13aiVXD4ydqlNp4ABBHGQc5p3pWX9dPTv6k2q80n/W+nXovS/fqZ0Xiq4k8OaheW5stQuLG6WASWj5huQSh+X5jtOHxjJwR36VoR32q2es2drqrWc0V9vWM20ToYXVS20ksd4IB5wvTpzw1fD0zWd7Hc3/nS3txHcPIIdoVl2cAZ+78gA5yB1JPJ0LzT/teoafdebs+xSvJt2537o2TGc8fez+FJyp9P60X6/wBWKjGpZX/rX/L1+8XVrG21HS5re8by4yN3mhtpiZeQ4PYqQCD7VheGZ5davTfatt+1WkYS2jCkAow/4+AD0MmCAP4QCO5ra1bTDq0UNvJPstPMDXEQXJnUdEznhScZ4ORx3ovtMNxfWl7azC2ubdtpfZuEkRxujIyODgEHsQDz0MwklGze/wCH/DlTi3K9tvx/4bdeZneF4I7pLjWbhA9/cTzRNIwy0UaSMqxr6L8oJHc5NO1eCOw1zTdRtEEdxdXS21xs4+0IUbG4fxFcZBPIAI7mppdFure+mutDv1szcNvngng86Fm/vhQysrcDOGwe4zzUlnpE4v1v9XvBe3UYIhWOLyooARglUyx3EdSWJ6gYBINcy5ua/wAv0J5Xblt8/wBf69NiHSbvU9Tkne6FpHZx3E9v5YjZnmCuyhs7sL0wRg5wTxnFJ4UBh0eSwZiwsLmW1Qn+4rfIPwUqPwq5awRaLp1y9xcL5SyzXLyMNoRWdnOfpnr7VV8LRTDRftV1GY5r6aS6ZGGCodiVB9wu0VjJpydtv6/4JtFNLXv/AF+hs1W1H/kG3H/XM/yqzVbUf+Qbcf8AXM/yqSizRRRQAVBff8g65/65N/I1PUF9/wAg65/65N/I0ASx/wCrX6CnU2P/AFa/QU6gAooooAKKKKACmPDHI8byRo7RtuRmUEocEZHocEj8afRQAUUUUAFFFFABRRRQAUUUUAFFFFABVaL/AJCVx/1zj/m1WarRf8hK4/65x/zagCzRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFMlhinVRNGkgVg6h1BwwOQfqDzmn0UAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUANk/1bfQ1FY/8g62/65L/ACFSyf6tvoaisf8AkHW3/XJf5CgCeiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKraj/AMg24/65n+VWaraj/wAg24/65n+VAFmiiigAqC+/5B1z/wBcm/kanqC+/wCQdc/9cm/kaAI0sIDGv+t6D/ls/wDjTv7Pg/6a/wDf5/8AGp4/9Wv0FOoArf2fB/01/wC/z/40f2fB/wBNf+/z/wCNWaKAK39nwf8ATX/v8/8AjR/Z8H/TX/v8/wDjVmigCt/Z8H/TX/v8/wDjR/Z8H/TX/v8AP/jVmigCt/Z8H/TX/v8AP/jR/Z8H/TX/AL/P/jVmigCt/Z8H/TX/AL/P/jR/Z8H/AE1/7/P/AI1ZooArf2fB/wBNf+/z/wCNH9nwf9Nf+/z/AONWaKAK39nwf9Nf+/z/AONH9nwf9Nf+/wA/+NWaKAK39nwf9Nf+/wA/+NH9nwf9Nf8Av8/+NWaKAK39nwf9Nf8Av8/+NV47KE6hOp8zARCP3rf7XvWjVaL/AJCVx/1zj/m1AB/Z8H/TX/v8/wDjR/Z8H/TX/v8AP/jVmigCt/Z8H/TX/v8AP/jR/Z8H/TX/AL/P/jVmigCt/Z8H/TX/AL/P/jR/Z8H/AE1/7/P/AI1ZooArf2fB/wBNf+/z/wCNH9nwf9Nf+/z/AONWaKAK39nwf9Nf+/z/AONH9nwf9Nf+/wA/+NWaKAK39nwf9Nf+/wA/+NH9nwf9Nf8Av8/+NWaKAK39nwf9Nf8Av8/+NH9nwf8ATX/v8/8AjVmigCt/Z8H/AE1/7/P/AI0f2fB/01/7/P8A41ZooArf2fB/01/7/P8A40f2fB/01/7/AD/41ZooArf2fB/01/7/AD/40f2fB/01/wC/z/41ZooArf2fB/01/wC/z/40f2fB/wBNf+/z/wCNWaKAK39nwf8ATX/v8/8AjR/Z8H/TX/v8/wDjVmigCt/Z8H/TX/v8/wDjR/Z8H/TX/v8AP/jVmigCt/Z8H/TX/v8AP/jR/Z8H/TX/AL/P/jVmigCt/Z8H/TX/AL/P/jR/Z8H/AE1/7/P/AI1ZooAqPYQCNv8AW9D/AMtn/wAajs7GF7GBm8zLRqTiVh2+tXZP9W30NRWP/IOtv+uS/wAhQA3+z4P+mv8A3+f/ABo/s+D/AKa/9/n/AMas0UAVv7Pg/wCmv/f5/wDGj+z4P+mv/f5/8as0UAVv7Pg/6a/9/n/xo/s+D/pr/wB/n/xqzRQBW/s+D/pr/wB/n/xo/s+D/pr/AN/n/wAas0UAVv7Pg/6a/wDf5/8AGj+z4P8Apr/3+f8AxqzRQBW/s+D/AKa/9/n/AMaP7Pg/6a/9/n/xqzRQBW/s+D/pr/3+f/Gj+z4P+mv/AH+f/GrNFAFb+z4P+mv/AH+f/Gj+z4P+mv8A3+f/ABqzRQBW/s+D/pr/AN/n/wAar31lCmnzsvmZCEjMrH+taNVtR/5Btx/1zP8AKgCzRRRQAVBff8g65/65N/I1PUF9/wAg65/65N/I0ASx/wCrX6CnU2P/AFa/QVi+MdWk0fwxcS2nN7OVtrRR1aaQ7Vx9Cc/hSe2g1qzR03VbLV7eSfTpxPHHK8LMARh1OGHPv3q3Wd4f0iLQfD1lpkPK20QRm/vN1ZvxOT+NaNU9HYlahRRRSGFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFVov8AkJXH/XOP+bVZqtF/yErj/rnH/NqALNFFeea/qOp+ArhZ4vEcOpW9xITHpWphmuGySSIpIwWOT8o3LtGRzSuB6HRXJ6n4yvdP8KWOrPoawXFywV7PUNQitDFwT95+D06cH1A6VmaN8SL3VdatbGXR9NhSeQIZIvENtMy+4ReW+gqra2Dpc7+iiikAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQA2T/Vt9DUVj/yDrb/AK5L/IVLJ/q2+hqKx/5B1t/1yX+QoAnorP1vWINB0mW/uoriZIyFEdtEZHdicAAD1JxzgVgWfxL0W71CDTpLbVLTU5pRGLC4sXWZQed5AyAuOeucc4oWrsg2Vzr6KKKACiiigAooooAKKKKACiiigAooooAKKKKACq2o/wDINuP+uZ/lVmq2o/8AINuP+uZ/lQBZooooAKgvv+Qdc/8AXJv5Gp6gvv8AkHXP/XJv5GgCWP8A1a/QViapodxqvinSbyaSL+ztODzCLJ3POeFJGMYUZPXOTW3H/q1+gp1HW4BRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFVov+Qlcf8AXOP+bVZqtF/yErj/AK5x/wA2oAs1i6T4T0nR7+fUIYWuNQnYtJe3T+ZMc54DH7oA4wMcAZzW1RQBVv8ATLDVYVh1Sxtr2JW3KlxCsig+uGB5qpb+FvD9ncpcWmhabBNGdySxWcasp9QQMitWigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAbJ/q2+hqKx/5B1t/1yX+QqWT/Vt9DUVj/wAg62/65L/IUAT0UUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABVbUf8AkG3H/XM/yqzVbUf+Qbcf9cz/ACoAs0UUUAFQX3/IOuf+uTfyNT1Bff8AIOuf+uTfyNAEsf8Aq1+gp1Nj/wBWv0FOoAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAqtF/wAhK4/65x/zarNVov8AkJXH/XOP+bUAWaKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAbJ/q2+hqKx/5B1t/wBcl/kKlk/1bfQ1FY/8g62/65L/ACFAE9FFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVW1H/kG3H/XM/wAqs1W1H/kG3H/XM/yoAs0UUUAFQX3/ACDrn/rk38jU9QX3/IOuf+uTfyNAEsf+rX6CnU2P/Vr9BTqACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKrRf8hK4/65x/zarNVov+Qlcf9c4/5tQBZooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigBsn+rb6GorH/AJB1t/1yX+QqWT/Vt9DUVj/yDrb/AK5L/IUAT0UUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABVbUf+Qbcf9cz/KrNVtR/5Btx/wBcz/KgCzRRRQAVBff8g65/65N/I1PUF9/yDrn/AK5N/I0ASx/6tfoKdTY/9Wv0FZGvTTST6dpltJJE17cfvZI32ssSDc+CORnCrxz81AGzRXOS2a6n4yvoLq4vVhhs4Gjjt72aBQWaTJwjDJO0dfSpCtxoGq2MSXc9zp17IYPLuZDI8D7WZSshyzA4IIYnGRggDFa8i2vqZc7Temhv0VkWOrWY+ywRLchbqeeKN5nL/OjNuBJYnnaxUdMDHHAo1DVbP/S4JluSto0PmPA5T5nYbVBDA8cEjpgjrnFTyO9v67Fc6tc16KybrX1t72a3h06+vFt9v2iW2jVliJGcYLBmOCDhFY4I78VINQsoNR1EyvLEbaCOad5ZD5aod+CATgH5TnAGeOtHI7XDnV7I0qKxV8SIDHJdaZqFpaSuES7njQJknC7lDF0B9WUY74p9x4hSLUrjT7XT72+urcK0kduqABWGQ252Ue2M5ODgYBNP2che0ha9zXorndX1P7R4Zi17SpZQtowuGTJXfGpxKjr6hd3XowHpXRAggEdD0qGmnZlpppNBRRRSGFFFFABRRRQAVWi/5CVx/wBc4/5tVmq0X/ISuP8ArnH/ADagCzRRXLW2rXUPheXWcmW51K4X7JFK5MaB3CQjA6DBVjjrk04pydkKTUVdnU0Vzt1pFhZWZudf12+DnAe6k1OS1TcemFRlRfYY+uTzVltds7HT9PZLiXVVu38mCeDZIZnCk9VwvO0jIwAeuBkjT2d17upn7SztLT5mzRWVPrvkvDAmm3s97LH5rWkXl74lzjLsXCDngfNzzjODh8OuRXGnS3MNrdPLDJ5UloIx5qScfIRnb3B3Z24Oc45qeSVrlc8b2NKisX/hIWaG7QaVex31tGJPskvlb3Q9HDB9hGQc/NkY6cjMWn+JXl8OWuo6lp9xBLcJGI4lCMbh3XOIwrtx1+8RgcnABNP2UrXF7WN0vX8DforMtNcS4uZLW5srqxukiMwguAhMiDgspRmU4JAIzkZGRyKXR9aTWrdLm2s7qO2kjDxzzKqh89QBuLZHqRg9iRzScJLUanFmlRXNeJdKhSJLqO51GKWa8gR/K1K4RdrSqrAKHAGQT0ApNat7XQ7OxkV7t4xqETN51xLcMTggBd7McnpgdTVxhGSVnvpt/wAHzJc5RbutEr7+vl5HTUVm2GtLeXz2VxZXVhdLH5oiuQhLpnG5SjMpweCM5GRxzUSeIVF3BFdabf2cVy/lw3E6IEdjyAQGLKT23KvpweKj2cr2K9pG1zXorEl8Txi4vYbTTb+9exk2XAgRPk+UMDlnG7IPRcn1AyM61rdQ3tnDdWr+ZDOgkjfBG5SMg80nCSV2CnFuyJaKxn8RqZJTZaZqF9bwuUkubdEKBgcMAGYM+O+xW5yBkgin3PiK0gjsWgjmvP7QUm2FuoJkIAOOSMcdzgDByRT9nLsHtI9zWoqlfzSf2DczBJLeX7M77SRujO0nGVJGR7E1y2jXHhe4sLAy+JHe8kij3IfEE25pCBkbfN657YqoU+ZN9u2pE6nK0tNe7t2/zO2orLutcEN+9nZafeajNEoMwthGFizyAWkdRkjnAJOOT1FMh8S2U9rLcRpPsivEs2DR7W3tsHQnIALjOcEYPFT7OTV7FupFOzf9bmvRVea+jgvra1dWMlzv2EAYG0ZOaz5fEK29woudMv4bVphCLyREEe4naMru3gFuASoHIPQ5pKEnsOU4x3NiisfT/wDkbNY/652/8nqK6129g8VRaZHpFzPA9u0hlRohkhkG4bpB8o3HIIznGARVezblyrtf8Lkuoox5n6fjY3aKyJvEIE8yWOmX+oJbsUmmtlTYjDqo3upcjvtDc8deKr6xqOdNsNd0y4d7eGZDKgJCyQuwR9ynuud3PIKkeoqXGSs2UpxbaRv0UUVJQ2T/AFbfQ1FY/wDIOtv+uS/yFSyf6tvoaisf+Qdbf9cl/kKAJ6KyPElxOljBZ2cjxT6hcJbLIhw0YOWdgfUIrY98Vk63Pp0Piu3ttZ1aSxtBYFkB1KS2DOHAySHXcceuaunDndiKk+SN/wCtXY62iue0S9itrbUrj7fJcaLA2+3uriQycYy4Eh5dAejEnuMnHFhPEah4mvNL1CytpmCx3VxGgQknC5CsXTOf41XHQ4PFU6cr2X9f8ElVY2Tf9f8AANmisu51wR3slrY6feajLDjzvswjCxEjIBaR1BODnAJIGM4yKo6nqEGp6bptxbFtv9pQKySIVdGD4Ksp5BBpRpybXmN1IpPyv+B0VFZNzrwiu5rey0691FrfAnNqI9sRIztJd1y2OcLkjIzjIqVtZjfT7e70+1udQW4/1aW6AN77t5ULjGMMQc8deKXJK1x88btGjRWMfE9nHo9zqFzFcW62cohuYZEHmQtlRzgkEYYNlScg8ZPFSWuurPqEdnc2F5YyTKXt2uVQCYDrjaxIOCDhtp9uDg9nLsL2ke/9f1+Jq0VgeMftD6TbQ2d5PZST31vF50DbWUM4B+v0PBp8WqzXOg6jHcgW+pWULrOiHGG2kq699rDkH6jqDT5G4cw+de05P66/5G5RWMmtC1sdPhEFzf3s9uriCAAuQFGXZmIVRnuxGTwMmo7rxKV0e/nttPuft1mhaSzlCB4+CVY/OFZOM5Vj0IHIIA6criVSL/r+tfI3aK5nUdSvTolrrX2a5sGtJkeaCSRMSwtgOcI7AgBtwzyCvvz01Q007MqMlJJoKraj/wAg24/65n+VWaraj/yDbj/rmf5UiizRRRQAVBff8g65/wCuTfyNT1Bff8g65/65N/I0ASx/6tfoKxtXP2fxJol04Pls8tqW7KXUFc/Ux4+pFbMf+rX6Coryzgv7Vre7TfGxVsBipBBBBBGCCCAcj0oAxp/t9h4qu72LSbq+guLWGNWt5IRtZGkJBDyKf4h0qSO21DV9UtbzUbYWFrZu0kNs0ivLJIVK7n25VQATgAtnIJIxityitPaabamXs9d/kc4NHvP+EYkiWJVvoLyW7tlZhywmZ0GQeAwOD7MaVtKvJPDEitBi/u7lLqePePlYyKxXOcHaoC++2uiop+0l+Nx+zX9f15v7zmdbtLyW9nfT9Ju0vWUCC/tb1Y4ycfKZlLAsFOeCkgx0zkin3uhXWoza3HIVjW9soIY5sAguvmZ+XrjLL+ddHRR7WSSSF7KLldnOX51bXNMl0qbR5LI3C+XPcvPG0Sr/ABFNrb2OOmVX3xWjY2csOuancyR7Y5/K8t8g7tq4Pv19a0qKTqaWSt/X/AGqdndu5yl7FLpfgDUreeLZNcPcRRRgg7mmlYR9PXetdRDH5NvHEDkIoXP0FR3Nlb3clu9zH5ht5PNiyxwGwRnHQ4ycZ6danqG7tt9S0rJLsFFFFIYUUUUAFFFFABVaL/kJXH/XOP8Am1WarRf8hK4/65x/zagCeRPMjZD0YEVzek2I1jwDa2Du1vcWyLDvC5MM8LYDYPoyZx3FdNUEFnBbTXEsCbHuXEkvzHDNgDOOgOAOnXFNNp3X9WE0mrMzE1bWIY/LvPD1xPOowZLKeExP7jzHRh9CvHqetU9P0S+s7XQ450jZ7W8nnnMT5VA4lIwSATy6jpXTUVp7TSyVjP2et22czrGiyf28+ppbX15FPAkLxWN+9tIhUsQcCRFZTuPU5GOM5OIzpd7DosrafZXlrJPdI88J1Ey3MsIABHmOxCNjsH6DhgTx1VFNVpJJf5idGLk5d/T/AIc5bSdJuV1m5uPsV7aW81mYV+3XxuZA27vmR9o57E9OcHioDo19e+HNIhnsbiG50coDELsRG4AiKMY5InyOuRkrnGDgHNdhRT9tK9/8/P8AzF7CNrevbrb/ACRzel6Zm+e4OlajamOFkR9R1Rp2y2MhU8yRQOOSSD0471q6FbS2Xh3T7a5TZNDbRxyLkHDBQCMjir9FRKo5b/1/Vy4U1Db9Otu3oZuu2k15ZQR2yb2W7gkIyBhVlVmPPoAaNYtJbv7B5Me8Q3scr8gYUZ55/CtKipjJq3lqU4p381b8/wDMyb2zu5PEEN1agKqWM8QlYjCyM0ZXjqfunt2rno9I1OeTTmm0/VPtMF1FLdT3Wph4nww3FI1kK+p+4uAOBniu3orSFWUFZf1/VzOdGM9/60S/Qy9Is5rW61Z549gub0yxnIO5fKjXPHup6+lP8P2ktj4fs7W4Ty5YogrICDg/hxWjRWbk2ren4aGiik7+v4u5ztgdU0O1OmppEt8sbuYLmGaJYyrMSN4ZgykZwdqt6jJOA6x0W5sZNFU4lFsJ2uJFPAaTngHnGSQPaugoq/avt/X9MlU0upW1GJ59Lu4Yl3SSQuqjOMkqQKx9M1HUrPSrO1l8NamXhgSNistrjIUA4/fdOK6GipjOys1ccoczTTtb+v0MFUv9F1O/kg02bUba+mFwDbyRrJE+xVKsHZQR8oIIJPUEdzl2VvqOpaVrRaCGO/j1ZLhIPMyuUWFwhbHUgYJ6Z9q7Kq1nYRWUt3JEzk3U/nvuI4baq4HthRVxqW6a6fg1/kZypXtrpd3+ad/xZkL/AGnqPiHT7uTTZLG1tllV1nkjMhZlGDhGYbe3XOc5AwM40+j6td2yx3Nlqc1+s6PLdPqeLaQLID8kSyAdBwrIvuSRz3NFONZxd0vz9e4SoqStJ/l/kZtnaTReINSuZExDOkIjbI+YqGzx17iob6G6h8TWV/BZyXUP2eS2kEToGjLOjBjuYZX5TnGT7Gtiis1N81/62saOCceX+t7nPWX9paDHNYxaTNqEJmklgnt5olGHdnxIHZSCC2MqGyOevFVdUs5NO8Dtp07K91fz+URHkjzJpcsFz2XceT2XNdXUE1jb3F1b3M0e+W2LGEljhCRgnHTOMjPbJ9TTlNy6CjBJ3v6E9FFFZmg2T/Vt9DUVj/yDrb/rkv8AIVLJ/q2+hqKx/wCQdbf9cl/kKAMvxEfs9xo96wJjt79RIR/CJEaMH/vp1pl+L608VR6hb6Xc30BsjAfs7xAq28NyHdew7VsXdrDfWctrdRiSGZCjoTjIP0qVFCIqjJCjAyST+Z61UJcruTOPMrf1o7nLtol3qqazMbRdK+3xIscLlXZpEJPmSBCVyflHBJwOT0Anvjqmuae2mTaPLY+dhZ7mSeNo1XI3eXtYuxPbKr6nHSuiorT2rvtsZ+yXf18zBjW/0TUL4w6ZNqNteTm4VraSJXjYqqlWEjKMfLkEE9cEDHMA0a+Nqs0ka/abjVY72aJJMrEo2jGTjOFQZx3ziulopKo1ql/SG6Sd03pr+N/82cjcaJLZ6peymw1S+iu5jOjadqbwbCQAVdDMi9RwVzkdcY5kuNLvbWx06C3srz7GvmtdWdhqBEpdjuVjM7IzDJYnDA5I6gV1VFV7aWl+nr6E+wjdvv6evY5C20S+Gj6pCbSZDdXsM8Uc91577B5WQzsx5Gw5GSOwJGDW5qVnNcazo9xFHujtp5GlbIG1TC6j68kdK06Kl1JN/wBdrFKlFKy/rW5leILK4vreyW1j3mK/t5nG4DCK4LHn0FVfE+lXdxbvfaMgbUEheExFgouY2BzGSeAQTlSeh9ia36KmM3G1uhTgm2/60u/1OeW01DS7q1v7eya9Bso7W4t43RZEKZIZSxCkZYgjcOxGelB0++1T+07u5t/sTXVmbS3t3cM6j5vmcqSuSW4AJwB1ycDoaKp1G+moo01F7nL6xcTy+BZLa7sZrO5uVSxSGRkYs7lUyCjEY5J5weDwK6gDCgDtUE9jb3Vxbzzx73tmLxZY4ViMZx0JwSMnpk4qes27tsqMeVJdgqtqP/INuP8Armf5VZqtqP8AyDbj/rmf5UiizRRRQAVBff8AIOuf+uTfyNT1Bff8g65/65N/I0ASx/6tfoKdVRIrzy1xcx9B/wAsf/sqd5V5/wA/UX/fk/8AxVAFmiq3lXn/AD9Rf9+T/wDFUeVef8/UX/fk/wDxVAFmiq3lXn/P1F/35P8A8VR5V5/z9Rf9+T/8VQBZoqt5V5/z9Rf9+T/8VR5V5/z9Rf8Afk//ABVAFmiq3lXn/P1F/wB+T/8AFUeVef8AP1F/35P/AMVQBZoqt5V5/wA/UX/fk/8AxVHlXn/P1F/35P8A8VQBZoqt5V5/z9Rf9+T/APFUeVef8/UX/fk//FUAWaKreVef8/UX/fk//FUeVef8/UX/AH5P/wAVQBZoqt5V5/z9Rf8Afk//ABVHlXn/AD9Rf9+T/wDFUAWarRf8hK4/65x/zajyrz/n6i/78n/4qq8cd1/aE4FxHu2Jk+V1+9/tUAaNFVvKvP8An6i/78n/AOKo8q8/5+ov+/J/+KoAs0VW8q8/5+ov+/J/+Ko8q8/5+ov+/J/+KoAs0VW8q8/5+ov+/J/+Ko8q8/5+ov8Avyf/AIqgCzRVbyrz/n6i/wC/J/8AiqPKvP8An6i/78n/AOKoAs0VW8q8/wCfqL/vyf8A4qjyrz/n6i/78n/4qgCzRVbyrz/n6i/78n/4qjyrz/n6i/78n/4qgCzRVbyrz/n6i/78n/4qjyrz/n6i/wC/J/8AiqALNFVvKvP+fqL/AL8n/wCKo8q8/wCfqL/vyf8A4qgCzRVbyrz/AJ+ov+/J/wDiqPKvP+fqL/vyf/iqALNFVvKvP+fqL/vyf/iqPKvP+fqL/vyf/iqALNFVvKvP+fqL/vyf/iqPKvP+fqL/AL8n/wCKoAs0VW8q8/5+ov8Avyf/AIqjyrz/AJ+ov+/J/wDiqALNFVvKvP8An6i/78n/AOKo8q8/5+ov+/J/+KoAs0VW8q8/5+ov+/J/+Ko8q8/5+ov+/J/+KoAs0VW8q8/5+ov+/J/+Ko8q8/5+ov8Avyf/AIqgCeT/AFbfQ1FY/wDIOtv+uS/yFRvFeeW2bmPof+WP/wBlUdnHdmxgKXEYXy1wDDnAx/vUAX6KreVef8/UX/fk/wDxVHlXn/P1F/35P/xVAFmiq3lXn/P1F/35P/xVHlXn/P1F/wB+T/8AFUAWaKreVef8/UX/AH5P/wAVR5V5/wA/UX/fk/8AxVAFmiq3lXn/AD9Rf9+T/wDFUeVef8/UX/fk/wDxVAFmiq3lXn/P1F/35P8A8VR5V5/z9Rf9+T/8VQBZoqt5V5/z9Rf9+T/8VR5V5/z9Rf8Afk//ABVAFmiq3lXn/P1F/wB+T/8AFUeVef8AP1F/35P/AMVQBZoqt5V5/wA/UX/fk/8AxVHlXn/P1F/35P8A8VQBZqtqP/INuP8Armf5UeVef8/UX/fk/wDxVV7+O6Gnzl7iNl2HIEWM/wDj1AGjRRRQAVBff8g65/65N/I1PUF9/wAg65/65N/I0ASx/wCrX6CnU2P/AFa/QU6gAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACq0X/ACErj/rnH/Nqs1Wi/wCQlcf9c4/5tQBZooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigBsn+rb6GorH/kHW3/AFyX+QqWT/Vt9DUVj/yDrb/rkv8AIUAT0UUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABVbUf+Qbcf9cz/ACqzVbUf+Qbcf9cz/KgCzRRRQAVBff8AIOuf+uTfyNT1Bff8g65/65N/I0ASx/6tfoKzde8SaV4Zs47rXLr7LDI/lq3lu+WwTjCgnoDWlH/q1+grN17RP7ds47f+09S03Y+/zdOuPJduCME4ORz0pO/Qat1MnTviX4S1bUYLDT9W825uH2Rp9mlXcfTJUAUl/wDE7whpmoT2V9q/lXFu5jlT7NMdrDqMhMGl07wL/Z2owXf/AAlPiW68l93k3Oob439mXbyKS/8AAn2/UJ7r/hKvE1t5zl/Jt9R2Rpnsq7eB7UxGzoXiHS/Etg15ol19pt1cxl/LZMMADjDAHuK0qzdC0b+w7BrX+0tQ1Hc5fzdQn82QZAGAcDjjp7mtKm7dBK/UKKKKQwooooAKKKKACiiigAooooAKKKKACq0X/ISuP+ucf82qzVaL/kJXH/XOP+bUAWa4fwprTw3XjG51e9ma0sNRkwZGZxDGFyQo5wPYV3FcnoOi3+/xLFf2K6Qt/du0NzY3LGSVSCPMyWO1unQL9KWt36fqh6aX7/5kH/C3PBH/AEG//JSf/wCIrsIJ47m3jnhbdHKgdGxjIIyDXH/8K5/6nLxb/wCDT/7Guwgi8i3ji3vJ5aBd8hyzYGMk9zVaWJ1uPooopDCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAGyf6tvoaisf+Qdbf8AXJf5CpZP9W30NRWP/IOtv+uS/wAhQBPRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFVtR/5Btx/1zP8AKrNVtR/5Btx/1zP8qALNFFFABUF9/wAg65/65N/I1PUF9/yDrn/rk38jQBLH/q1+gp1Nj/1a/QU6gAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACq0X/ISuP+ucf82qzVaL/kJXH/XOP+bUAWaKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAbJ/q2+hqKx/wCQdbf9cl/kKlk/1bfQ1FY/8g62/wCuS/yFAE9FFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVW1H/kG3H/XM/yqzVbUf+Qbcf8AXM/yoAs0UUUAFQX3/IOuf+uTfyNT1Bff8g65/wCuTfyNAEsf+rX6CnU2P/Vr9BTqACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKrRf8hK4/wCucf8ANqs1Wi/5CVx/1zj/AJtQBZooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigBsn+rb6GorH/kHW3/XJf5CpZP8AVt9DUVj/AMg62/65L/IUAT0UUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABVbUf+Qbcf8AXM/yqzVbUf8AkG3H/XM/yoAs0UUUAFQX3/IOuf8Ark38jU9QX3/IOuf+uTfyNAEsf+rX6CnU2P8A1a/QU6gAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACq0X/ISuP+ucf82qzVaL/kJXH/AFzj/m1AFmiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAGyf6tvoaisf+Qdbf9cl/kKlk/1bfQ1FY/8AIOtv+uS/yFAE9FFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVW1H/AJBtx/1zP8qs1W1H/kG3H/XM/wAqALNFFFABUF9/yDrn/rk38jU9QX3/ACDrn/rk38jQBLH/AKtfoKy9cvLiFrGysJDFc31wIxIFDeWgBZ2weM7RgZzyw4rUj/1a/QVjaqwh8VaHLIcI/nwAnpvZAw/RGo6gRT/b7/xVd2UWrXVjBb2sMirbxwncztICSXjY/wAI6VoB00PTZp9V1WaeKM72nuhGpUcDHyIo6+xJJ+lYGqWulnxjdTa7o730LWcKwOdLkulDBpNwBVGweV9O1TSwWbabbS+HtJkjgsb1bmWzWxa1MvykEqrqgZhkN/wEDriupxul206L8zl5rTl39X27Gtb+IdNubiK3WSaKeVtscVxbSwuxwTkK6g4wp56ds5q5De288MssUm5IXZHO0jDKcMK5291aLUfEGhJbafd7Eu2LXNzavAIyYZMKBIFLE89AQMc9qWO8m02PVNPfT7yS5lnlktjHbu8cqvyD5gG1cEkEMQePcVEqemi1NIVE3q9L7/1/XTc2JdcsIbK2ujJLJHdIHhENvJK7qRnIRVLYwRk44yM1R1PVorzRba60y5bY19bxsV3Iw/fKrIwOCD1BB/Gs5ZtRstG0G1dr+xtRYIJ5bOxM8yyqigRldj7R94klDyuMjvBZWd62kXfmQ3sjy63BOrXMIWR490PzlVUADAJ6DGOcEGtFSinfz/W3b9TD20pRtbdf+237/Lb5nX3lvJc25jhu5rNyQfNgCFh7fOrD9KwtPs9SuNR1CKXxHqJS0uFjQeVbfMDGj8/ufVj0xxXSVmaXFJHqmsvJGyrJdIyMykBh5MYyPXkEfhWEJWT9Oy7o6JxUmt/vfmJd+I9Ms7mWCWWV3hGZjBbSTLD3+dkUhOOfmI456VFrGpS2kFhqdnOstiZkWdUwyyRyEKHDexKnjgjPsRT029OgQ3Fjf2V88v2iaaOW3tJJlnV5GYHcgIU84IYjp6c1WvrWWx+Hk1rdJ5U91IVSEEHy2mm+RBjgld46cccVUoJJNeXz/r+tRRm3Jp+fy/r+tDrqKKKxNgooooAKKKKACq0X/ISuP+ucf82qzVaL/kJXH/XOP+bUAWa5O51fUpfBep6xbXRgaV2Nl+6U+TGGCK2COScFufXtXVSKXiZVO0spAPpXIIj3nwnhgtYnklS1jhMUaktvRgrDA9Cp/Krp251fyIqX5HY3tG1GW7hltr4BNQs2EdwoGAxxxIv+yw5H4jqDUGn63HD4Ysr/AFe4w8yqMhMtI56KqKMsT6AZp2t2M6yxatpibr61BDRD/l5hPLR/Xup7MB2JrIsIrm00vw9qUtjculrA6TwCImaHeBh9nUkYIIAJwxwDWqjGSv8A1s/z/rYycpRfL/XT8vxNyHxBp9xDO8TXBe3AMkDWkqzKD0PlFd5B9QMcH0NGg65Fr2mxXUUFxAWjV2SWCRACwzhWZQHHuOPzqpBI2r+Ire+tra4htrWCSNpriBoWlZyvyBHAbA25JwBnGM84l8Kyn+wLWzkhuIZ7OJYZVmgeMblGDtLABhx1XIpShFRemuny3HGcnJaq357ef+ZX23+peJdTto9Yu7KC1SHy47eOEgllJJJeNj29a0Wni0LTGl1XUpp0Vv8AXXCpvJPAULGoyc9ABk571zt7a6R/wlupza9or3qyRwCCU6TJdDAU7gGVGA5xxVmSO1SLTL7RNLmSy065dpLSOxe3cBo2UukbKpbBbPA55xk8Vo4ppdtOi7dzNStJ99er/I17XxBp13cpbRSypcSEhYZ7eSJ+ATna6ggYBwehwQOlWY9QtZbKS7jlzBEXDvtPGwkNxjPBU1z82qR6l4u0T7PY3SxxmfNzc2zwYJjPyBXAY9Mk4xwOc1Ebm4sNF1PSBp15Les9yYNlu7RyrIzOG8wDaOG5BOcjABJGYlS7LX/gs0hVu9Xpe1/kb11rljaJA0jTSG4TzI0t7aSZyvHzbUUkDkckY5FVL7U47u00q6025LQz3sa7kJXcPmypHXqMEHoRg1Quri/tl0+3km1GxsxZIfNsLD7RI0o4KN8j7QBg/d5OeRjBh06zvF0q0WaC6Mg1lpnM8YD7SzHewUBe45AxVqnFWfn+vp+pHtJO68v09f0NqyvblPEd/pt4/mJsS5tXKgHY2VZOOu1h164Ydeta1YjMJvHkaxnm205/Nx28yRdo/wDIbVt1yLZf11Orq/66BRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUANk/1bfQ1FY/8AIOtv+uS/yFSyf6tvoaisf+Qdbf8AXJf5CgCeiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKraj/yDbj/AK5n+VWaraj/AMg24/65n+VAFmiiigAqC+/5B1z/ANcm/kanqC+/5B1z/wBcm/kaAJY/9Wv0FV9R0+LUrUQyu8ZV1kSSMgNG6kEEZBHb05GRViP/AFa/QU6gAooooAqXtj9ruLGXzNn2Sfzsbc7/AJHTHt9/P4Vboop3FbW4UUUUhhRRRQAVUu9Nhvru0nuGci0kMqRAjYz4wGIxyRk49znsMW6KACiiigAooooAKKKKACq0X/ISuP8ArnH/ADarNVov+Qlcf9c4/wCbUAWaq2enxWMt00DvtuZTMYyRtRiBu28ZGSMn3J9atUUAFFFFABRRRQAUUUUAU7qw+06lY3fmbfsjO23bnfuQr17dc1coopttiskFFFFIZUtNNhs7u7ulZ5Jrxw8juQSABhVGAMKB0HuT1NW6KKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAbJ/q2+hqKx/wCQdbf9cl/kKlk/1bfQ1FY/8g62/wCuS/yFAE9FFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVW1H/kG3H/XM/yqzVbUf+Qbcf8AXM/yoAs0UUUAFRXaNLZzIgyzRsAPUkVLRQBVW4uFUD7FLwMffT/Gl+0z/wDPlL/32n+NV7DXLTUNPnvI98UVuzLL5owV2jJPGeMc0ltr+nz6db3ks6WaXBIjW6dUYkHBGM9cigCz9pn/AOfKX/vtP8aPtM//AD5S/wDfaf40TanYW0yw3F7bxSs21UklVWJ44AJ68j86nkkWKJpJGCogLMx7Ad6PMCD7TP8A8+Uv/faf40faZ/8Anyl/77T/ABqomuwzaL/aNvE5UOEMUnyspLBeeuOufpirUuqWEF19mnvraOfGfKeZQ2PoTmnYBftM/wDz5S/99p/jR9pn/wCfKX/vtP8AGl+32f277H9rg+1Yz5HmDfjGc7evSq+n61aX6xp58Md04LfZvNBcAE8469s9KQE/2mf/AJ8pf++0/wAaPtM//PlL/wB9p/jTDq+miOVzqFqEhIEjeeuEz0yc8Zq1FLHNCssLrJG4DK6HIYeoNAEH2mf/AJ8pf++0/wAaPtM//PlL/wB9p/jSQapYXMMkttfW00cX+seOZWCfUg8U631Czu1ka0u4JxEcSGKUNs+uDxQAn2mf/nyl/wC+0/xo+0z/APPlL/32n+NNj1XTpbVrmK/tXgRtrSrMpVT6E5xnmgarpxkijF/al5l3xKJlzIvqBnkcHkelADvtM/8Az5S/99p/jR9pn/58pf8AvtP8ahh1zSri1luYdRtmhhbbLJ5oCoc45PbJ6evapX1SwjtUuZL62W3k+5K0yhG+hzg0AL9pn/58pf8AvtP8aPtM/wDz5S/99p/jTor60nuZLeC6hkni/wBZEkgLJ9QORU9AFb7TP/z5S/8Afaf41Ej3K3csps5MOqgDenbPv71eooArfaZ/+fKX/vtP8aPtM/8Az5S/99p/jVmigCt9pn/58pf++0/xo+0z/wDPlL/32n+NWaKAK32mf/nyl/77T/Gj7TP/AM+Uv/faf41ZooArfaZ/+fKX/vtP8aPtM/8Az5S/99p/jVmigCt9pn/58pf++0/xo+0z/wDPlL/32n+NWaKAK32mf/nyl/77T/Gj7TP/AM+Uv/faf41ZooArfaZ/+fKX/vtP8aPtM/8Az5S/99p/jVmigCt9pn/58pf++0/xo+0z/wDPlL/32n+NWaKAK32mf/nyl/77T/Gj7TP/AM+Uv/faf41ZooArfaZ/+fKX/vtP8aPtM/8Az5S/99p/jVmigCt9pn/58pf++0/xo+0z/wDPlL/32n+NWaKAK32mf/nyl/77T/Gj7TP/AM+Uv/faf41ZooArfaZ/+fKX/vtP8aPtM/8Az5S/99p/jVmigCt9pn/58pf++0/xo+0z/wDPlL/32n+NWaKAK32mf/nyl/77T/Gj7TP/AM+Uv/faf41ZooAqtcXDKR9il5GPvp/jTLeS4htYomspCUQKSHTsPrV2igCt9pn/AOfKX/vtP8aPtM//AD5S/wDfaf41ZooArfaZ/wDnyl/77T/Gj7TP/wA+Uv8A32n+NWaKAK32mf8A58pf++0/xo+0z/8APlL/AN9p/jVmigCt9pn/AOfKX/vtP8aPtM//AD5S/wDfaf41ZooArfaZ/wDnyl/77T/Gj7TP/wA+Uv8A32n+NWaKAK32mf8A58pf++0/xo+0z/8APlL/AN9p/jVmigCt9pn/AOfKX/vtP8aPtM//AD5S/wDfaf41ZooArfaZ/wDnyl/77T/Gj7TP/wA+Uv8A32n+NWaKAK32mf8A58pf++0/xqK6e5ntJYls5AXUgEun+NXqKACiiigAoqv58v8AzyT/AL7P+FHny/8APJP++z/hQBz1toN4kNtC0apDcZS+UsMhVkLqRjrkHafY+1RzaZqy2AtoreUB4p0LQGDOXkYgOXz8hBB+Xnr7V0vny/8APJP++z/hR58v/PJP++z/AIUrDuc5DFcpcanbjSvtjzQwwud6AAiIDD7j93n+Hd346Z09Q0+9n0S20y3dCWCRzzyDcoRRk5GQTuIxwe56VeV2R3dbeJWcgswbluMc8c07z5f+eSf99n/Cqbu7iWiMKfS9WSa6VjDdR3flyEwR+UI3R1zwznOVHUH+Gq1+Xh0+/tms0ulkvtwullQqGLjAIzu3rwoAHYc103ny/wDPJP8Avs/4VWNrbm+F6dOtDdDpPtG/pj723PTihPVAZCaNerqXlSfbJIftxuvMDwLF97cCflMm4fdx09wOi2VhfCxtLCTTDA0V0J2uvMQqAHLZGDu3EfL0xyecVv8Any/88k/77P8AhR58v/PJP++z/hSWgbmKLC+tNCsoba3cSRzM8ogERlTO47kMnyZyefYmpbbS7x/CU9hKTFcy+bjeyn7zsQCVGOQecDv0rV8+X/nkn/fZ/wAKPPl/55J/32f8KA6nOazBc3en3NzJp32FIrF4DHK6HzCxUgfISNo2nrz83Spr/TbzWFl2WR07bamAbnjJl+ZW2jbuG0BSOf733etbcjtNGY5beJ0YYKs2QfwxTvPl/wCeSf8AfZ/woA59NHu7p3muYbpi8tuGW8eDLIj7idsQC4APcknngd5NTstTudVYRQyiA3EMgaPyRGyqVJLk/vCwwcYwMAe9bnny/wDPJP8Avs/4UefL/wA8k/77P+FAGL9jvo3SQ2Lyi0vpZhGHT9+rlsMuW4K7ujY74p9vplxJqkN5NaCJGu3uPKLKTFmLYCcHG4kZ4z16961/Pl/55J/32f8ACjz5f+eSf99n/ChaAZVhaXcWtljaNDbAysTI0boCzZzGw+cbjkkNx2HQVu1X8+X/AJ5J/wB9n/Cjz5f+eSf99n/CjpYCxRTIZDLGGI2nJGM56HFPoAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigD//Z)

1. Click on the | (Boolean or) symbol to get more information about what | means in raster calculator:[[33]](#footnote-33)

![Graphical user interface, diagram, application

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAeAB4AAD/4REERXhpZgAATU0AKgAAAAgABAE7AAIAAAATAAAISodpAAQAAAABAAAIXpydAAEAAAAmAAAQ1uocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFNvcGhpZSBBcmdldHNpbmdlcgAAAAWQAwACAAAAFAAAEKyQBAACAAAAFAAAEMCSkQACAAAAAzQyAACSkgACAAAAAzQyAADqHAAHAAAIDAAACKAAAAAAHOoAAAAIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAyMDIwOjAzOjMxIDEwOjA1OjQzADIwMjA6MDM6MzEgMTA6MDU6NDMAAABTAG8AcABoAGkAZQAgAEEAcgBnAGUAdABzAGkAbgBnAGUAcgAAAP/hCyVodHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLjAvADw/eHBhY2tldCBiZWdpbj0n77u/JyBpZD0nVzVNME1wQ2VoaUh6cmVTek5UY3prYzlkJz8+DQo8eDp4bXBtZXRhIHhtbG5zOng9ImFkb2JlOm5zOm1ldGEvIj48cmRmOlJERiB4bWxuczpyZGY9Imh0dHA6Ly93d3cudzMub3JnLzE5OTkvMDIvMjItcmRmLXN5bnRheC1ucyMiPjxyZGY6RGVzY3JpcHRpb24gcmRmOmFib3V0PSJ1dWlkOmZhZjViZGQ1LWJhM2QtMTFkYS1hZDMxLWQzM2Q3NTE4MmYxYiIgeG1sbnM6ZGM9Imh0dHA6Ly9wdXJsLm9yZy9kYy9lbGVtZW50cy8xLjEvIi8+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczp4bXA9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8iPjx4bXA6Q3JlYXRlRGF0ZT4yMDIwLTAzLTMxVDEwOjA1OjQzLjQxNzwveG1wOkNyZWF0ZURhdGU+PC9yZGY6RGVzY3JpcHRpb24+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iPjxkYzpjcmVhdG9yPjxyZGY6U2VxIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpsaT5Tb3BoaWUgQXJnZXRzaW5nZXI8L3JkZjpsaT48L3JkZjpTZXE+DQoJCQk8L2RjOmNyZWF0b3I+PC9yZGY6RGVzY3JpcHRpb24+PC9yZGY6UkRGPjwveDp4bXBtZXRhPg0KICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICA8P3hwYWNrZXQgZW5kPSd3Jz8+/9sAQwAHBQUGBQQHBgUGCAcHCAoRCwoJCQoVDxAMERgVGhkYFRgXGx4nIRsdJR0XGCIuIiUoKSssKxogLzMvKjInKisq/9sAQwEHCAgKCQoUCwsUKhwYHCoqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioq/8AAEQgBSwIkAwEiAAIRAQMRAf/EAB8AAAEFAQEBAQEBAAAAAAAAAAABAgMEBQYHCAkKC//EALUQAAIBAwMCBAMFBQQEAAABfQECAwAEEQUSITFBBhNRYQcicRQygZGhCCNCscEVUtHwJDNicoIJChYXGBkaJSYnKCkqNDU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6g4SFhoeIiYqSk5SVlpeYmZqio6Slpqeoqaqys7S1tre4ubrCw8TFxsfIycrS09TV1tfY2drh4uPk5ebn6Onq8fLz9PX29/j5+v/EAB8BAAMBAQEBAQEBAQEAAAAAAAABAgMEBQYHCAkKC//EALURAAIBAgQEAwQHBQQEAAECdwABAgMRBAUhMQYSQVEHYXETIjKBCBRCkaGxwQkjM1LwFWJy0QoWJDThJfEXGBkaJicoKSo1Njc4OTpDREVGR0hJSlNUVVZXWFlaY2RlZmdoaWpzdHV2d3h5eoKDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uLj5OXm5+jp6vLz9PX29/j5+v/aAAwDAQACEQMRAD8A+kaCQoJJwBySe1FZfie0ur/wpqlpp5xczWsiRYOMsVOBSk7JscVd2KsfiqO7DSaPpWoapbqSPtFssaxsR12mR13j3XIq5o2v2OuRzfY3dZrdtlxbzIUlhb0ZT0+vQ9jWD4J8Y6Jf6LZaaLiKx1C1iW3ksZyI5FdRggA4z07V1qQxJI8iRoryYLsFALYGBk9+KpqzJTuh9FZ+lazb6w16LZJV+xXT2snmADLrjJGCeOfakvdbtrHW9N0uZJTPqPmeUygbV8tQTuOc9+MA0uwzRorH1TxPp+jarb2F95qvcQvKjqm5TtKjbgHcWJYAAA5qMeKIoryCDU9OvtNW5fZBNdLH5bt2XKO20nsGxQBuUVz7+LoRate2+laldaeuSb2GJChUdWClw7L7hSCOma14dRtrrS11C0kE9s8Xmo8fO9cZ4o2Vw62LNFc7Y+MrbVrGG50fTdQvxJGsjpCkYMIIyAxdwu7HO0EnkeoqSPxfp1xbxG0jubi6ld4xYpFiZXT74YEgLjIySQORzyKOtgN6isjT/Edveao2mXNrdadfhPMW3u1UGRO7KyMysB3wcip9T1mDTJYYDDcXV1OCYre2j3OwGMnJwqgZHLECgDQorGtvEkMmpxaff2N5pl1OCYEu1QibAyQrIzLkDnGc1JrPiOx0Geyj1HzEW8d0WRQCqbVLHdznoOwPNAGrRXP33i6LTNNfUNQ0nUreyR0XzpEjGQzbd23fuAGRncAeeldACCMg5HrQAUVm6Hrlt4gsZLuxjlWBJ3hV5AAJNhwWXBPy5zjOOnStKgAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKgvrKHUbCezugxhnQo4VipIPuORQBma54Q0HxGp/tjTIJ5CMCYDbIP+BjB/WsHwVFeaH4o1jwxJey31hZxRT2jztueJXz8hP4cVsW2ja/YW4tbPxDHLbqNqNfWPmzKPTesig/UqauaLoUOjfaJRNLdXl24kubqYjfKwGB0AAAHAA4FC0YPVGR4GYGfxKvddbnyPThai8ROv/CzfCCbhuC3hI9vLFaMnh26tdbutT0HUUsnvdpuoLi386KRgMBwAylWxwecH0qEeEGfxLp2u3eotPe2nmCQmEAOrLtCKAfkUZJ/iJzyaF9ny/ysD6+d/wASjrkEc/xa8MmVQ3l2t0657MAuD+tS/FCFJ/h7fLIMjzIce371B/Wta70H7V4s07W/tOz7DBLF5Pl5378c7s8Yx6Gn+JdE/wCEi8Pz6Z9o+z+cyN5mzfja6t0yOu3HWl0S8/1G/ib/AK2NKOJIoVijULGihVUDgADGK4z4fE/8K3kT+GOS6RB6ASPgV21Ynh/w5/YXh2TSvtXn73lfzfL243sT0yemfWiV2n6DjZNeTM74YQRwfDbSBEoXfEXbHdixyaj8NWkKfEjxfOqASbrVc+xiyfzNbnhrRv8AhHvDdlpPn/aPssezzdmzdyTnGTjr60mnaJ9g8Qavqf2jzP7SaJvL2Y8vYm3rnnPXoKuTvNv1/QzirRSZi+Kzs8ceD5E4c3M6E/7Ji5FXtR1+9fxF/YWg20Et3HAJ7ie5ciKBCcLwOWY4PHH1qzq+g/2prWj6h9p8r+zJnl8vy93m7k24zkY9e9R6h4elk11da0i+FjfmIQTeZD5sUyA5AZdynIPQgip/z/T/ADKf6fr/AJGD4nj1aK/8Ntqt9p8ynWYQiW9m8TA4b+IytkYzxirHjeFJ/Evg9JVDL/aZbB9QhI/UVcv/AAncatc2N5qeqCS7srqOeMx2+yJApyyqm4kFu7Fm6Ve1nQf7X1TR7z7T5P8AZlyZ9nl7vMypXGcjHXrzQtLet/yE+vp/mXdW02HWNIutOuhmK5iaNvbI6/h1rh7bxJd2/wALp7eQ51q1kOkbc8tPnYh/EENXodcD/Ycd38Y5pYJGNpbQR3t1Dj5ftOGSM/XZk/gKVruz2f6f8C5V7K/b+vzsdfoelRaJoNlpsH3LWFY8/wB4gcn8Tk/jV+iiqbu7kpWVgooopDCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAr3qXklsV06eCCfIw88JlUDv8oZT+tU9D0QaQlzJLObq9vJfOubll272xgADsoAAArUooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACsnxJqN1pmkpLYeSJ5LmCBWnQuq+ZIqElQyk43Z6itasXxVpkmsaPHaR263Km7t3lifG1o1lUvkHgjaDx3o6r5DI7TVb611+TTNZuLKcC0N2Li3iaERKG2kOrO+AeobI6Nxxmrdj4h03UboW9tLKJHQvGJreSISqOrIXUBxyOVz1HrVe/8MWLeGtR0vRrS1077ZEy/wCjxCJSxGATsx/+qs7RtJY6raz3WiajbSWqsxmvdYe4jRyu392pkfdkE8sEOPfigTF1nxpZf8I7cXOjTXUj5WNJ4tPmkRCzbSc7NuRzwehABHODfHiHT9Nt7eC7vL67naHzTmxkecJn70kccY2Dtyq9PY1TTRrxPh/Fpi24W6UoTEGXr5oY85x0yankXUNI17ULu20qbU4b8IwNvLGrxMi7drCRlG09QQSeuR0yDL114j0qzgtJpbsOl6CbYwI03nYGflCA5OOcDrUFx4u0a1upLee5lWWEKZlFrKfJDAEM5C4QYYctgdfQ4oaZ4fvLF9E8+OJzbzXU85jPyRNLuIVc4JALYzj8qmutJu5IfFPlwAvqEe23O5cyfuAuOvHzZHOKUtLijqy/ZeJNK1C6NvbXLeZ5ZlUyQvGsqDq6MwAdeRypI5HrTtO1/TtVmMVlNIX2eYokgkiEiZxuQuoDr05XI5HqKoS6Xd/bdAkjtlZLO2ljmDOAFJjUBT7EjsDUPh221O21FI1sb3TtMS2Ia2vLqO4Alyu3ymDM+0AMMMQPu4Uc1X2rCvpc19S12w0lwl48xcoXKwW0kxVR/EwRTtHucDrVr7THLY/abZ0ljaPzI3U5VhjIII6iud16z1S51o/6Nf3dibcLbpZX/wBlWOXJ3NKQ6MQRtxjdgA/LnrpaFY3Fl4PsLC5Tbcw2SROgbOGCAEZ781Dvyt9f+HK+0kY1jr2uLpei6nfy6dPBqjwobaC2eKRPMGcqxkYNt6kbRwCcjFbV94l0rTruS2uZ5PMhUPN5VvJKsCnoZGRSEGBnLEcc9K5LSvDtxBpGmWll4XOkapCIRPqgaCP7pBk+aJy77sEbSMHPOK3lTU9HvNUS20h9RS+nNxDNHNGqqWQKVl3sCACvVQ3HbIwbl1t5/p/wdSUal9runaetv587O1yMwx28TzvIMZLKkYLFcd8Y5HrVO91tJ7HTbrSbkNFcX0ULkLzgkhlIIyp4wQcEH0rO0/RtQ8Mtp80No2qiKwWzmS2dEdGDFtyiRlUryQeQeF4POFh0TUWj+1S26xzXWsR30lurg+RGFVcE9C2FycZ5JxnrR1+f6/5ajez/AK6f5mvc+JdKs7t7ee4cNGwSWRYJGiiY4wHkClEPI4YjqPWnah4i0zS7hor2aRSihpGS3kkSIHoXdVKoP94jjmuYl8NzxT6haT6TqOoRXdxJIksOsyQ27JIxJWVPMBXGSDtRsjHckU/xBo+r3ranarZ31zHLB5entb6j9nt4V8vBEih1Zjuz1VwRtHHNT0Q+tjor/wATaXpt6bO5mlNyIhMYYLaWZvLJI34RT8uQcnoOM9RV+2u7e8s47u1mSW3lQSJIpyrKRnOay9P06eDxDLdzQgRtp1vAr5BO5WkLL6/xL7U7w1p81l4WtrG/i2SIrq8e4HALHAyOOhFN6XsJav8ArsitaX2u65bi/wBLksLGykGbcXVu88ky5OHO2RAgIwQPmOOSecB1t4qt4rK6bXgmn3FjOtvcqGMiBmxsZWxkqwYckDHIPSotObVfDunxaX/Y8+pQ2y+XbT2csS5jHCh1kdCGAwDjcD14zgVpPD+oz2k91exxSX19qNtcSwRvujhijdcKC2N2FUknAyScDpT66bf8EPU6a2vIrqzW5jEkcTAn9/E0TAD1VwCPxFULLxPpOo3UcFrcuWmz5LvBIkc+OvluyhX45+UnjnpVvVrI6lot7YrJ5bXNu8If+7uUjP61gPBqurx6ZYXOkNp6WdxFPNctNG8Z8o5Ai2sWO4jGWC4UnvxSW4Pb7zRm8W6LBNNG91Ixt5DHcNHbSusBHXzGVSEHfLEDHPSrV9rdhp/lCaSSR5l3xx20Dzuy92Cxhjt5HOMcj1rnNNutThXW7e00VrxZ9Qn8qaOaNEBJwfN3EMMeqhuO2eKik8L3OmzafJ9nvtSih06KylGn6g9rIrR5IYDzEVlOe5yMDAOTQtk/T8h9X8/zOim8TaTBa2lw10Xjvc/Z/KieRpSOqhVBO4f3cZ4PHBou/Eul2MojuppkOFZ2FrKUhDdPMYLiP/gZGKzbDQ3t59Eki082yQS3E0yPdGdo2kU8l2OWYk84zgk8kc1neJtI1rU21i3+yX10biIpYPBqHkW0SlMFZEDqWbdu6qwOVGQM4Oolqbn/AAk8DeILrSEt7lZYYFkWZrWbyyxL9TswFGz72cHJA5FOh8RW1voumXGqTo9zewq6pZQSymU7QzFIwpfaOuSOARmontr2DxLNKljJNb3dhHB50boBE6GQ/MCwODvGCoP4VSsdP1LRl0i8XTnvXh0xLK4t4ZUEkTDByu5gjDIIPzDoMZoX9fj/AMAX9fl/wTXk8TaRFpSalJeKtq8nlByjZV+mxlxlWyMYIBzx1qfTdZstW84WTyb4GCyxTQvDIhIyMo4DAEdDjBrn00O/n3XlxapHJd6vDevah1PkRoqrljnBb5QTjPJwM4zWva2NxF4v1G9ePFtPaW8aPuHzMrSbhjrwGX86a2/rshv+vvt/wSXUdf0/S7lbe6kladkMnk29vJO4TONxWNWIXPGTgU258S6TaW9pPJeB473P2YwxtL53GcKEBJPt1qnMl/pPiC+vbbTJdShvo4/+PeWNXiZARgiRlG0g5BBJznjpVXTPD95Zz6RJcRRForm7uZxGwKQGXcQq5wTjdjIHqeKS2Bm/p2p2mrWpuLGQuiu0bBkZGRgcFWVgCpHoQK56+8YCfTtfSwiu7a506N/LlltJVUkRq2SXQKDlvuk8gZ6GtXRbG4tNR1qS4j2R3V6JYTuB3L5Ua546cqetZWp6bqM0Piexj0+SVNTQyQTrJGEY+SkewgsGByp7Yx3o/wAvx0Gt9e5s6d4h07U7r7LazuZxH5oWSB4xImcb0LKA65xyuRyPUU2DxLpVxepbRXDlpHMccpgkEMrDOVSUrsY8HgE9D6GoNQ0qe513S5Ik228NtcQyyKwGzeqBR1z/AA9vSsPR/DktuNPsb7R9QkazdN1y+syNany/uukZkJzkAhCgAPGcDJfX+u5P2Tr9Q1G00qza6v5hDECFzgksT0VQOWJ7AAk1TXxLpbWclyZ5EWOQRNFJbyJNvIyFERUOSR0AHPama/ZXU7afe2MQuZNPufPNsXC+apRkIUnjcA2RkgcYyM5rL1m01LXYrW7bSbq3Fjc7xa/bxDPMhQqxDRPtUjdwC/OCDtzSGXdR8QxzeH7q60id0mgljR1lhaOSMs68MkgBGVPGR0ORVzT7yefXdWt5X3RW7xCJcAbd0YJ578+tYQ0KWXR9RNrpV3a3Fy8AAvdQNxNIqOG5LO6qBlsAMc+3St3T7OeDXdWuJU2xXDxGJsg7tsYB47c+tMCVta09LO9unuNsNgzLcsUYGMqMkYxk8EEYznIxmoLvxLpdjceTczSqRt3uLeRo4t3Te4UqnUfeI4IPeszVNEvrjxIq28MbaXftFLfsWAKtCcgY/i34RT7LzWd4j0fWtTbVoGtL66eYFbGSLUPItY49o+V0DqWbO77ysDlRkDol0A3m1kWWsaudQn2WVnBBIPkzs3FwTwMnOBWq95BHfRWjvieaN5ETB5VSoY56cbl/Oud1bQr3UF1+OJFU3lnBHbs7gBnTeSDjkDJHbvTHtdW13Wo5bvTZdMtf7NuLZjLNG0iySGPkBGPy4U4Oc8HIHGU79P60YLzNa08S6Ve3iW1vcOWlyIXaCRYpscny5CoR+Mn5SeAT0FOtfEOm3t/9jt53aUlgjNBIscpX7wSQqFcjn7pPQ+lc9o2gyxT6dBfaLqAks2Ba4m1mSW2DIMB40MjE54wrIoAJ545taXaanba7Etrp93p1l5krXaS3aTW8mc7TCMl1JJBxhFxnIziq0uLU3dS1ey0lYvtsrBpm2xRRRNLJIQMnaiAscDk4HFY2veKYIvDL3mlzz73mW3Dx2ckjwsXVW3JtJRgDwHHXAwc4NvVbe8t9es9Xs7Nr9YoJLeSCN1WQB2Vgy7yFPKYIJHByOmKzZdG1G7tNVvHtRBPqF3bSJab1LRpEyDLsDt3EKSQCRgAZNLf+vMezNLUdbTQPCo1Gb7bf7IwVMluyyOSMjeqRjZ7kqAO/NWYvEOmyw3MvnSRC0hE863FvJE0cZ3fMVdQcfI3btSeI7OfUPDWoWlooeeWBljUtjcccDPasXWdL1LWNQ026t7F7eG5H2bUoZ3j3pCJFcfdYg52suATxJ9aN2GyOgh1mwnFoYbgMLyA3EDBThowFJbOOB8y9cdarWXifSdRuo4LW5ctNnyXeCRI58dfLdlCvxz8pPHPSsKx8LXzHW7W7xFAbaWy06beGPlyMzk4HTBZV/wCAVZeDVdXj0ywudIbT0s7iKea5aaN4z5RyBFtYsdxGMsFwpPfimtf6/rZA9F/X9am3qd5NazaesL26C4uhFIJgxLLsY4Tb0bgdeMZ9qqHxfogumtzdvuSf7PI/2eTy45N23a0m3apz0yRnII4IqfWLOe6udKaBN6296JZTkDavluM89eSOlY91ol8/hDWbOK2H2q6u5pYlDKN4Mu5TnOBxjrSXn/W3/BB+X9b/APANa78SaZZX0llLLNJdRKrPBb20szqp6NtRSce/TPFWIdZ0+4Nn5F0kovlZrcplhIFGTyOBj3rBS7vbLxrrL22kyahE8VuGNtJGsisFbGRIygrz2Oc9uc1DDo2qaZHpd+tn9rnhu7me4tLeVQUWcscIXKqdpI6kZ5oA1dY8VWek27yCOe5eO6jtZEht5H2MxTOSqnorgj+8eBzWjNqlrb6S+p3DSQ2scXmu0kTqyrjJJQjcPpjNc1/ZusTaRq0s1htuZ9UhvIbZZkLNGhhO3OdobEZHJxnvjmtnXILjVvCF9BDaulxc2rKtvKybgxH3SQSv6496Ps+f/AX6jVrjz4k00Wa3Qe4aOSTy4wtnMzynGcogXc6453KCMc5oPiTSxp8N6s8kkUzmONI4JHlZxnK+WFL5GDkYyMHNU/ENrqEh09bWG8nsU3C5ttPuRbzMdo2EOWT5QQcgMDyOoyKyrXRby10RY7vR7y4f+0Jp0FrqWLiFWztYSM67+DhgX7/xUd/67C6I1ZfGWnrqFhbwR3VxHeo7CWK0mYJt4wQEPOcgg4K45xVubxLpUF41tJcOGWQRPKIJDCjngK0oXYrZIGCwOSPWsqGDXIzot9f2k17PA9wkyK8IlRHPyFuVQkKAG29+mazk8MSw/aNOutJ1G/jmuHZZ01mSK2eN3LfPH5oIIBIIVGBxnPJw+odDqm1/Tl1Z9N852u48eYiQOwjBGQWYDCgjuSB1HWk07X9O1WYxWU0hfZ5iiSCSISJnG5C6gOvTlcjkeoqKz0+aDWNZuGt0KXXlCIswxIFjxg9SBnPUVk6RFrNhJJ9j0q9t7OGzbbYXl7HKHnGNixPuZlXAI+YgDK4Uc0vUOh1tFMgeSS3jeaLypGQF4927YccjPfHrT6ACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigCG2s4LMSi2TYJZWlfknLMck81NRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBDFZwQ3c9zGmJrgKJGyfm2jA46DrU1FFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFQ3c/2WynuNu/yo2fbnGcDOKmqpq3/IFvv+veT/ANBNTJ2i2ioq8kjNtNek1XwH/bkEX2WWaye4RN2/yztJHJAz09Kq6dq99P8AC6PV5Z9182mGcy7FHz7Cc4xjr2xiqfhr/ki9t/2Cn/8AQDSaT/yROL/sDN/6KNVV0U7dP+CTT15L/wBbHQeGLyfUfCelXl4/mXFxZxSSvgDcxUEnA4HPpWpXJ6Vqv9h/COx1TyfP+yaTHL5W7bvxGDjODj8q6e1n+02cM+3b5savtznGRnFXP4nYmHwpslorH0bXv7X1LV7T7N5P9mXIt9/mbvM+UNnGBjr05qpbeI9S1aGW70HR4bqxR2RJbi88lpypIJRQjcZBwWK5qCjoZJEijaSV1REBZmY4CgdSTTbe4hurdJ7WWOaGRdySRsGVh6gjgisHVL7U9Q8ITTWmlrC81vKs0N/OYXh+Ujjajhu+OmRjnmqnw9l1RvB+jpcWdmlmLNNkyXbNI3HGUMYA/wC+j+NC6+Vv1DsdbRXLaX4vutce8g0nSVkubO5kgl8262RIFYqCXCE5bGdoU47nkZ17/Ub21W3itdMku7qcHKpJthiwBndIRwOeMAk+lHS4dbGlUM93bWrRLdXEUJmcRxCRwvmOeirnqfYVjDxBeWOp2lnr+mx2a3r+Vb3FtcmeIyYJCMSiFScHHBB9aw/Hrat/anh8xWdm0EesQ+QzXbhpGKtwy+WQo68gt9KOqDozrNb1e30HRbnU7xJXgtk3usK7mIzjgcVatbhLu0huIwwSaNZFDDBAIzyOxrI1TW77RPCt9q2p2Fv5tohkEFvdM6uBj+Mxrg/8BNXZ9YtbLQv7V1Bxb26wiVyedoI6e55x70dw7F+isCHWNevLcXVn4fiSBhuRLu+8qdh2OwRsAT6Fh74q5ouvW+tJOsccttdWr+Xc2s4AkhbGecZBBHIIJBoA06K5i28Xy3+salpNhpnnXtjcGIgz7Y9m0ESO235QScAAMTg+hxatPEM667Ho+t2C2N1PG0ls8U/nRThfvAMVUhhnOCvSjcNjdooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKqat/yBb7/AK95P/QTVuo7iBbm1lgkJCyoUYr1AIxUyV4tDi7NM5Dw1/yRe2/7BT/+gGk0n/kicX/YGb/0Ua6Gx0G1sPDCaFDJM1qlubcO5G/aQRnOMZ59KLfQbW28LroMckxtVtTah2I37Su3OcYzj2qqnvc9uv8Awf8AMUPd5b9P+AcxOjSfAUKilmOhrwP+uQrrdFlWbQbCWM5R7aNlPsVFLp+mW+naLbaXHult7eBYB5uCWULjnjB49qy7bwjFZQfZLLVtUt9P5xZRzJsUf3VcqZFHsHGKqTvKTXX/AIP+Yoq0Yrt/wP8AIy/A1xFca/4vlhcPH/amNwPHCAH9RUMXhbXNIV5/AviGA2EztNHYXsQlhyxydsi8hc9hXS6P4csNDlvmsFZUvXV3ibGxNqBAFAHTAHXNVIfCMVkskWkarqWmWshLG1t3jMak9du9GKfRSB6VPa3ZFd/Ug0jXp/EPgm/ub21FrdwrPb3EStuUSICDg+lT+A/+Sf6J/wBeUf8AKtTT9Ks9L0xbCzhCW6g5ViWLE8ksTySSTkmqejeHV0ILDZajemxjBEVlKY2jjBPQNs34HYFjT7/L8L/5k9vmY/w5UCx1wgAFtbusn15FWtS1bU73xcPD2jTRWXlWourm7kj8xgpbaFRcgZ45JyB6VqaLodtoUN1HaPK4urqS6fzSDh3OSBgDjio9T8PW2pahDqEdxcWN/ChjS6tWAcoTkqwYFWGecEGl2/rp/mV1fq/z/wAjmPFtnPYzeHxe67eXrS6xbhIJo4FUkEkkbI1bge/etPxx/rvDP/Ycg/8AQXq1c+D7S+MMmoXl7d3UM8cyXMrpuBRgwUAKFUEjnCjPrwK0NZ0a11yxW2uzInlyLNFLE214pFOVZT6ijovW/wCX+RO7fpb8/wDMyviL/wAk51v/AK9W/pWZ4yGPBmhzTDNnBe2cl3xx5QIyT7AkGuhu/D41Hw7d6RqepXl3HdKUeZxEsiqccDYgXt3Bq/8AYYG04WM0Ymt/KETJIAQy4xg+tG2vp+Fx76ev42LAIIBByD0IrkbDE3xb1SS0/wBVFpkMV0wHBl3kqPqFrQi8LG1h+z6frmq2loOFt0kjdUHorOjOB9G47Vo6VpFlotqbfT4fLVnLyMzFnkc9WZjyxPqaOtw6WOb8Foo8UeMHAG46koJ9QIx/ial8VjHi7wi44YXsoyPQwtmtrTNDttKvtSurd5WfUZxPKJCCFbaBhcAccd807UNFt9S1DTryd5Vk06VpYghADEqV+bI6YPbFNfZ8rfhYH187/iaFFFFIAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiis/V9Rl09Lb7PAk8lxN5QDyFAPkZs5Cn+76d6ANCisL+2dU/wCgdZ/+Bjf/ABqj+2dU/wCgdZ/+Bjf/ABqq5WTzI3aK5y38RalcmXZptqPKkMZzeNyR/wBs/epv7Z1T/oHWf/gY3/xqjlYcyN2iuY1LxRqGmWD3c+mWzIhUEJeNnlgveP3rL/4WPP8A9AiP/wACz/8AEVUaU5bITqRW7O7orhP+Fjz/APQIj/8AAs//ABFRr8TZWuXhGjpuRVYn7Wcc5/2Paq9jU7E+1h3O/orhP+Fjz/8AQIj/APAs/wDxFNk+JUsUTSNo6bUUscXZzgf8Ao9jU7B7aHc72iobO6W8s4bhBgSxq4B7ZGamrE1CiuX8T+LrjQNRitbbTorvfEJC0lyYsZJGMBGz0rF/4WTqH/QCtf8AwYN/8arWNGcldIzlVhF2bPQqK89PxK1AAn+wrX/wYN/8arcsvEerXthb3SaXZqs8SyBTfPkAjOP9V70pUpx3QRqQlszpqKwP7a1f/oGWX/gc/wD8aqCXxHq0V5BAdKsiZt2D9ufjAz/zyqeVlcyOmorA/trV/wDoGWX/AIHP/wDGqP7a1f8A6Bll/wCBz/8AxqjlYcyN+ivP3+I+oJPNF/YdqTFK8RP9oNyVYrn/AFXtTf8AhZOof9AK1/8ABg3/AMarRUKjV7EOtBaXPQqK4Oz+It3PqNpb3GjQRR3E6QmRL0sV3MBnBjGevrXdhgw4qJQlB2kXGSkroWiiioKCiiigAormbLxHqt7YW90ml2arPEsgBvnyAwz/AM8vep/7a1f/AKBll/4HP/8AGqrlZPMjformZvEerQ3VvCdLsyZywB+3PxgZ/wCeVT/21q//AEDLL/wOf/41RysOZG/RWB/bWr/9Ayy/8Dn/APjVQWviPVrqORl0qyXZK8fN8/O1iM/6r2o5WHMjpqKwP7a1f/oGWX/gc/8A8aqnqnivVNK09ruXSbR0V0Qhb5s/M4X/AJ5e9HJIOZHV0VwX/CyLr/oDQ/8AgYf/AI3R/wALIuv+gND/AOBh/wDjdaewqdiPbU+53tFc94X8Ut4ia8WWzW1a2ZRhZvMDbhn+6MV0NZNNOzNE01dBRRRSGFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABWN4h/1ml/9fZ/9Ey1s1jeIf8AWaX/ANfZ/wDRMtNbiexh+J9Ru9I8MahqGnwRzz2tu8qpI+1flUknOD6dO9XdPuGu9NtriQANLErkD1IzS3tnDqGn3FldKWguYmikUHGVYYIz24NPggS2t44IRiONQijOcADAroMCppX3r7/r7f8AkKoz6zew+O7LR2t4lsrmzmnWbfl2ZGjBGMcD5/fNXtK+9ff9fb/yFSy6bbTatb6lIhN1bRSRRNuOArlSwx0P3F/KkMz/ABd/yLFz/vxf+jFrzvW9Qk0zSnngRXlLKkYfpuYgDPtzXoni7/kWLn/fi/8ARi1wd9YwalZSWt2paKQYOCQR7gjoa7KF+V2OWtbmVyrot/cXkdzFeiMT2s5idowQrY6EZqxF/wAha5/64xfzek03TbfS7Yw23mHcxd3lcu7sepLHkmli/wCQtc/9cYv5vXQr2VzF2u7GPq2v3llqM4t44Ta2Xk/aA+d7+YwHy9hgHNbl5/x4z/8AXNv5VSvfD9hqGoJeXCyeYpQsqyMqS7TuXeo4bB5Gau3n/HjP/wBc2/lSs9bhppY9R8IXDzaPa7znEKD9BXR1y/gr/kEW3/XJf5V1FeIeuec/ED/kYof+vRf/AEN6821rXbyxv5Y7SOExWsKzT+ZnLBmxhcdO5r0n4gf8jFD/ANei/wDob1wuo+H7DVLuO4ulk3qArBJWVZFByFYD7wzzzXqUbuirHnVbe1dzQDB4Qw6Mua9B0L/kXdN/69Iv/QBXn5GEIHTFegaF/wAi7pv/AF6Rf+gCliOg6HUo6BrN7qWs67Z39vHB/Z9ykUQjfdlWiVwScDn5vwq9d/8AIa0/6S/+gipbXTbazvr27gQrNfOsk7FidxVAg47fKoqK7/5DWn/SX/0EVynSVfF2q3mh+Fb7UtOt455raJpNsj7QFAyT0OcenetWBzLbxu3VkBP4iotRsLfVdMuLC9Qvb3MbRSqGIypGCMjpVhEEcaovCqAB9KBHms//ACEL7/r8n/8ARrVzVjr95catEkscIs7maWGLbnepTue3PNdLP/yEL7/r8n/9GtWTb+H7C11Rr+JZPNJZlQysUQt94qvQE45r0Ip8sbHE7czuaDOY7qydeq3kJH/fYr2PSpWltFZuuK8am/11p/19w/8AoYr2LRf+PJfpXDi/jR2Yb4DRooorkOkKKKKAOP0D/kW9M/69Iv8A0AVS0TWb2/1/W7G+t44FsJY0iCPu3KyBsk4HPPSrugf8i3pn/XpF/wCgCprfTba11C7vYUInvCpmbcTuKqFHHbgCukwIr3/kLab/AL8n/oBqr4u1W90PwjqWqabbx3E9nbST7ZX2gBVLE9DnGOnf1q1e/wDIW03/AH5P/QDU+o2Fvqul3Wn3ql7a7heCZQSNyMpUjI6cE0CJLaQzWsUjdXQMce4qppH/AB73H/X3N/6MNXY0WKJY0GFQBQPYVS0j/j3uP+vub/0YaAKP9s3o8dLo8lvGlo9k1xHKHyzkMAcjHHX3pfGP/Iszf9doP/RyVpNpts+rx6myH7VHCYFfccBCQSMdOoFZvjH/AJFmb/rtB/6OSnH4kKWx55reoS6fYK9sqNNLKkMe/wC6Cxxk0aJfzX9pN9rVBPb3EkEhjztYqcZGfUYqxqFhBqdm1tdKxRiCCrFWUg5BBHQik07TrfS7MW1qG27i7NI5ZnYnJYk8kkmvS15vI4dOU6bwLO8etaginhjET/3ya9RQ5QfSvKfBP/Ifv/rF/I16qn+rX6V5Fb+Iz06XwIdRRRWRoFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXJfERBJotkrZwbwdCR/yzk9K62uU+IP8AyCLL/r8H/ouSgDz77JF/00/7+N/jR9ki/wCmn/fxv8amooA2fCOlWU+l3DzQl2+1OMl29vetw6PpYkVDCodgSFMhyQOvGfes/wAGf8gi4/6+5P6VFd6U4+Jul6nFHMyHT7mKaQyMyKd0OwBScKT83QDOOelbrYxe43xXo1hH4auGS3wQ8XO9v+ei+9cb/Ztp/wA8v/Hj/jXoHi7/AJFe5/34v/Rq155rOP7Fu90Mk48psxRHDPx0FdVHZmtNJrUcthZOuURWHqHJ/rVePTrX+1LgeVwIoyPmPq9Z/g+zFtb3Uv2f7K07qxt0hMaR4XAAz1Pqa2Yv+Qtc/wDXGL+b1stUmacsewjWFkmN6Ku44GXIyfzqO7061FlORFyI2/iPp9a57xlZrf3kdsbF5PNtyjXZiMogUnnYo6P78YwK6m5/5B0uMn90evXpSve6Dlj2PT/BX/IHtv8Arkv8hXUVy/gr/kEW3/XJf5V1FeSQcT4o02z1HxTi9gWYR2Ue3cTxl5M/yrMfw5ocYzJZwoCcZZiP61va1/yNUn/XlF/6HJXBfEexivrCOOSwknkMUiwz/ZvtCRORjBjz1PQN2rog2olcqtdo338M6N5bYsI+nqf8ai0nQtOfRbJmt8k28ZP7xv7o96t6Kk8XhuyS7jMcy2yh0Y5KkL0zUuj/APIDsf8Ar2j/APQRV3Y+VdiAaLpTOyLCpZfvKJWyP1qudFsE8RaaqwYVlm3De3OFHvXJ6FpzR/EqG8stMltYhDdJdiS32srM6kM02f3u4qSB2Brun/5GXS/92b/0EUJ3JlblZefRtMjQvJCqqoyWaRgAPzpRomnEZFuCP99v8azvHmmNq3gbVbWKOaSY2ztEkMjIWcA7R8pGRnseD3FblqpW0hVhgiNQR6cVJznltxptoNQvR5PAu5gPmP8Az0b3qP7BZb9mxd2M7d5z/Or1x/yEb7/r8n/9GNXFtZrceNxKbGS3EM+/7SYizzHbjAb+FOeldidoo6VGNtjpDY28N1ZPHHhhdw4OT/fFe2aL/wAeS/SvG5v9dZ/9fcP/AKGK9k0X/jyX6Vx4n4waS2NGiiiuYkKKKKAPCNLto30ezZt+TAhP7xv7o96t/ZIv+mn/AH8b/GotJ/5Atj/17x/+girdAD9IsLebxHZJKjOp8zIMjH+A+9dk+jaZGjPJAqqoyzNIwAHr1rltE/5Gax+kn/oBra8eaYdX8A63aRpNJM1jMYY4ZGRnkCNtHykZ5x8p4PcGtobGUtzQGiacQCLcEHod7f41R0nRdPa3uM2//L1MPvt/fPvWxZqUsYFYYZY1BB7cVW0j/j3uP+vub/0Yaskb/Y+liQIYV3kZC+YckeuM1R1nQ9ONhGDbAhrq3BBZuQZk96gbS3j+JsWoxxzGKTTnSSRpGZA29cAAnC8Z6AZrX1n/AI8ov+vu3/8ARyUgIP8AhFtE/wCgfF+Z/wAaanhrQpUDx2MLqejKxIP61p3NvHd2slvNv8uRSreXIyNj2ZSCPwNYfgKzn0/wJpNpdxPFNFAFZJPvKfequxWRHo9jbaf4wv4bOJYo9sJ2r64Nehp/q1+lcJZ/8jvf/wC5D/I13af6tfpXPLc2jsOoooqSgooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAK5D4jyNHodmyxtKReD5EIyf3b+pArr65P4h/8AIHsv+vwf+i5KmcnGLaIqScYOS6HnX26b/oHXX/fUX/xdH26b/oHXX/fUX/xdSzTR28LzTOEjjUszE8ACqmj6pFrOmre26OkbO6BZBg/I5U8fVa8/61UteyPL+u1bXsv6+ZteGvFEWn2NxDNp96X+0ux2eUcZx/t1sf8ACbWv/QNv/wAov/jlcbZ/fuv+u7fyFZsfiMSax9l+yOLY3LWi3O4YMqruIx1x1GfUV9FRpxlTjJ9UaqtOWtjsPEni2C80GaCLTr4O7xAFvKx/rF/26577VP8A9A65/wC+ov8A4unal/x5j/rrF/6MWm6rqK6Xpz3TRtKVIVUU4LMTgD8zXRGnGFy44iaWgfap/wDoHXP/AH1F/wDF1WjuphqlwfsFxnyo+N0fHL/7dT6VqR1GGXzIDBNBKYpYywbBHuOtPT/kL3P/AFxi/m9NpWujejXnOfLIT7XN/wBA65/76i/+LqG7u5jZzf8AEvuR+7bktH6f79V9e15tEjaX7G80UURllfeFAAPQZ6sfStG6O7T5iO8THn6VPkdp6f4K/wCQPbf9cl/kK6iuX8Ff8gi2/wCuS/yrqK8gyOH8WakNN8ThmtppxJZxgeVt4w8nXcw9ayP+Eoj/AOgbff8AkL/4urvjv/kY4v8Ar0X/ANDeubq1NpWHc1n8UR7G/wCJbfdP+mX/AMXVPTPFUUWk2kf9m3zbIEXcvlYOFHIy9VH+430rNtJVg0WGWQ4SO3VmPsFzXTQXtG+YwrVZQSsdP/wl0X/QLv8A/wAg/wDxyqj+K4f7d0+ZtNvlWNZcg+Vk5UdPnrltH146pcNDNaPauYEuIgzBt8bEgHjocjp7ir1x/wAhK0+j/wAhXT7KDV0c7xFTZnZ/8Jta/wDQNv8A8ov/AI5R/wAJta/9A2//ACi/+OVwer6u2nSW0FvbNdXFwXKxhguFRcsST+A/GrdheR6jp8F3CCEmQOAeoz2o9jC9rmftZ2uRtqL3F1dTRWFyySXMzA5jHWRuPv0fa5v+gdc/99Rf/F0af/x7yf8AXeb/ANGNVCbX2g1qKyks3WOaXyUlLDLNtzkL1xx1qtIo9WDvFMuG4lkurNXs54gbuH5nZMD5x6MTXtmi/wDHkv0rxub/AF1n/wBfcP8A6GK9k0X/AI8l+lcOJ+MUtzD+Id7f2Oi20mmeLdL8LSNcBWutTWMpKNrfIN5Az3+gNeef8JD4l/6Lj4L/AO/dt/8AF17BrGg6T4gtkt9c062v4Y38xI7iMOqtgjIB74JrH/4Vn4J/6FXSf/ARP8K5iSbwNdXd54Yjl1DxFp/iOYyODf6cEETDP3RsJGRXRVT0vSNP0SxFno9lBZWysWEMCBFBPU4FXKAPBNLu5l0ezUafcOBAgDBo8H5Rzy9Wvtk//QNuv++ov/i6NJ/5Atj/ANe8f/oIq3QBDYawbDXLO4uNPugq7xgGMk5U/wC3XT/8Jta/9A2//KL/AOOVyN7/AMftl/vP/wCgmqeq6q9hJbQW1sbq5uWYJGGCjCrkkk/gPxruoU4yhdnHWnJTsjuv+E2tf+gbf/lF/wDHKp6Z4yto4Zx/Z982bmVuBF3cn+/XM6bfR6nplvewgqk8YcK3UZ7Gk0//AFM3/XeT/wBCNb+wgY+2kdn/AMJta/8AQNv/AMov/jlVr7xZDexwQRadfB2uoNu7yucSqcff9q4S38RifVha/ZXWB5ngjuCwwzoORjqP/rVvQf8AIQsf+vyD/wBGrUujDlbRSqS5kmd5/aNz/wBAe9/77g/+OUf2jc/9Ae9/77g/+OVauZjbWskwikmKKT5cQyzewHrVHw7rA8QeHbLVVhaEXUYkEbHlfY1ynQUNLmebxlftJbyW52wjZKVJ6H+6SP1r0BP9Wv0rhLP/AJHe/wD9yH+Rru0/1a/SsJbm0dh1FFFSUFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXJ/EP/kD2X/X4P/RcldZXIfEiMy6FZoHaPN4PmQ8j929Z1fgfoZVv4cvRnnmo6fb6pYvaXgZoZMbgjlTwc9RzVfRdHj0Wzkt4pppg88k2ZZGYje5bHJPr+J571N9hb/n9uv8Avpf8KPsLf8/t1/30v+FePfS1zwLu1rjLP791/wBd2/kKzo/DaR6x9r+1ym3Fw10tqQNolZdpbPXHU49TU9pZsWuf9LuBidhww56e1WfsTf8AP5c/99L/AIV9hh1ejD0R2RdloGpf8eY/66xf+jFpNU05NU097WR2j3EMrp1Vgcg/mKa+m+dJBFJd3JV7iFSNw6GRfau5/wCELsP+fm8/7+j/AOJrSdRRdmjSEHJXRwuk6Z/ZkEoed7maaQyyyuANzH2HAFPT/kL3P/XGL+b12/8Awhdh/wA/N5/39H/xNUofB1g2t3cZuLvCwQkHzBk5Mnt7Vn7aNrJHRSg4T5mcNq2gHVNRt7v7bJEbdcJH5augbOd2GB5960roEWEwJyfKbn14rtP+EK0//n5vf+/o/wDiar6h4MsE026cXN4SsLkZkHofap9rE7faROi8Ff8AIItv+uS/yrqK5fwYMaTbj/pkv8q6ivNEee+O/wDkY4v+vRf/AEN65uuw8V6ZHqXiRRLLNH5domPKYDOXfrkH0rI/4Re2/wCfu8/7+L/hVqDauOxiv9xvpWbaRLPosEUgykluqsPUFcV1cnhi2EbH7XedD/y0X/CuLsLR2022P2u4GYUOAw44HtXXhouLdzGtRlNKwzR9AGlXDzyXkt2/krbxGRQPLjUkheOpyeSfQVduP+QlafR/5Cm/Y3/5/Ln/AL6X/CrWkaNHf+IbWG5u7orskPDgdh7V1uSjE53hqm7M/V9HOpvbzQ3clpcW5YJKihvlYYYEHjnj8QKt2FnHp+nwWkGfLhQIpY5Jx3Ndn/whdh/z83n/AH9H/wATR/whdh/z83n/AH9H/wATWftoXvYz9lK1rnD6f/x7yf8AXeb/ANGNVCPQDHr8uqC9kZpD/q3jRtq4xtUkZA+laDaYILq6iiu7kIl1MoG4dpG9qX7C3/P5c/8AfS/4VaXMkzqWJhFcr6D5v9dZ/wDX3D/6GK9k0X/jyX6V4q1oY7qzY3M74u4flZhg/OPavatF/wCPJfpXDifjNY1FUV0aNFFFcpQUUUUAeHaT/wAgWx/694//AEEVbrZ0bwlZTaDYSm5vFL20bbVkGBlRwOKu/wDCHWX/AD93v/fxf/iavkZHOjjL3/j9sv8Aef8A9BNU9W0ltRe3mt7t7S5tmYxyoobhhhgQeDx+oFdjeeELIalYJ9pvCHd85kHHyH2q5/whdh/z83n/AH9H/wATXXRmoQ5ZHNVg5S5kcVp1jFpmm29lb7jHAgRSxyTjufek0/8A1M3/AF3k/wDQjXbf8IXYf8/N5/39H/xNUtL8HWLwTk3N5xcyjiQdnPtW/t49jL2Mu5w1v4bSDVxd/a5WhWV5o7YgbUkcfMc9T9Pet2D/AJCFj/1+Qf8Ao1a6n/hC7D/n5vP+/o/+Jqrf+FLS0hgmhurwOt1BgmQcZlQelS60OVpIapSum2dZWfoWkRaDodrpkEjyx2ybFd8ZI98Uv9mP/wBBK9/77X/4mj+zH/6CV7/32v8A8TXKdBRs/wDkd7//AHIf5Gu7T/Vr9K8/0uA2/jK/QzSTfLCd0pBPQ+gFegJ/q1+lYS3No7DqKKKkoKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACuT+If/IHsv+vwf+i5K6yuU+ISOdDtXjillEd0GYRRs5A2OM4AJ6kVnU1g/QyrJunJLszzTV7yaw0qe4tbaS6mVfkijUsSTx0HOO5xWd4Pvbi90Em8lnmnjuZ43kmhaMtiVsYBA6DAx2xjtWqb6JTho7oH3tZP/iaat7boMJFcKMk4FpIOSck/d9a8rlly25Tw+SfLblYyz+/df9d2/kK5SC7mPizm6nN8dTkie2MjbRbCP5Ts6AdDu9T+FdJa3So1xuiuRumZh/osnI4/2am+1W/meZ5E+/GN32STOPTO2vq6Lj7GCb2SOuMZJbFpf+Pq1/6+of8A0YtelzxtLA8aSvCzKQJI8bl9xkEZ+oNeWLfRC4t28u5wtxExP2WTgCRST930Fd//AMJTpP8Az3m/8BZf/iaivKLlozpoxajqil4Ba4fwfbfbJpZ5hJKrSzH52w7DJ6Vqwf8AIwXv/XvB/wChSVWHifSFGFmlA9Bay/8AxNVIfEemLrV1MZZhG8MSq32WXkgvn+H3H51hdG1mR+LBdJrPhma3vLiOI6oIpbdNvlyKYZTluN3BUd8e1bup/wDIJu/+uD/+gmqJ8T6QcZmlODkZtZeP/Hagv/Euly6bcxxyzM7xOqj7LLySD/s0XQWZseDf+QVB/wBc1/lXT1zPg5SulwBgQRGuQe3FdNXObnLa3/yMrf8AXpH/AOhyVwPxGuFisEVb+S1uRFI8CNcvbxOwHUugyWHUL0Ndv4nu47DXxLcJP5b2qKHjgeQZDvkZUHHUViS+INHmAWbzXAOQHspTg/8AfFbxty2LWxPo08lz4Zs5p/M8yS2Vn8wYbO3nNcVp3/ILtP8Arin/AKCK69/EumGNgJLjoQP9El/+JrirK5WLT7eOSG5V0iVWH2aTggf7tdNKSW7Gc94auPtniKSW1vpXt1ikWQXE5Z7h94w4jz8irggdM7uleheG/wDkabX/AK5yfyFYa3NurZW3nB9RaSf/ABNaGh6pb2viC3uLhblIlRwzG1l4JAx/DVScVBq5MvhZ1Hj5bk+BNWksru4tJobZ5Fe327m2qTt5B4Ptg+hFbtqSbOEt18tc5+lZR8WaMykNNMQeoNnN/wDEUf8ACW6P/wA9p/8AwDm/+Irl0OazOOn/AOQhff8AX5P/AOjWridKu5X8Txj7VO908863UDSMVSMY2Hb0Xtg98mutmvomvbtxHclZLmV1P2WTlWdiD930IqMXVuHLiCcOeCwtJMn/AMdruUouK1ORxkm9CWb/AF1p/wBfcP8A6GK9i0X/AI8l+leMib7Td2kcMVwW+0xMd1u6gAOCTkjFezaNxZL9K48U05qx1YdNR1NGiiiuU6AooooA4/QP+Rb0z/r0i/8AQBWR4cW6i8XeJYbm8uLqNZ4WiM+35AYlO1doAwCfr65qXS9fsLDRbG3vPtUMsVvGjq1nNwwUAj7tWB4q0YEkSzAnqfscvP8A47XRdGBbvf8AkLab/vyf+gGs3x6lyfh/rj2V5cWk8NjNKj2+3cSsbHbyDwcYOMH0IqO68TaW+pWMiSTlI2cufskvGUIH8NWz4r0ZlIaaYgjBBs5ef/HaLoNTUsiTYW5bJJiXOfpVbSP+Pe4/6+5v/Rhqr/wlmj/89p//AAEm/wDiap6b4m0uGGYSyTqWuZXGbSXkFyQfu+lF0A1luovihEDeXEltLprsIG2+XGwdRxgA5Oe5NbGs/wDHlF/192//AKOSqn/CVaNu3ebNnpn7HL/8TVTVPE2lzWsaxSTswuYHIFpL0WVST930BougOguYWuLWSKOeS3Z1IEsW3cnuNwIz9QawvAEk8vgLSXu5JJZ2txveU5Zj6n3qz/wlmj/895//AAEm/wDiaQeKtGVQFlmAHQCzl/8AiaLoNRln/wAjvf8A+5D/ACNd2n+rX6V59o11Hf8Aiu8urbeYWWJVZ42TJAOeGANegp/qx9KxlubR2HUUUVIwrk7j4g2UF3cQDTb+QwTPCzqIsEoxU4y4OMg11leQ3tvdJq2og2N4c31wwK2sjAgysQQQuCCCKAPR9B8RW/iCG4kgt57f7O4R1n255GcjaTVqLWtMngs5ob+3kivji1dZARPxn5fXgE1zfw9hmjt9SaaCaEPOpXzYmQn5B0BArEk8Ca7Bd6qtmbR7O3E50WJ5GGw3DBpN2Pu7SXVcdmoA9BuNUtLbVLTTppCt1eLI8CbSdwTbu56DG4dfWrdeOL8N/GNxo8kE9+kNwIb9LaT7UzNCZVj8sBsZ6oc+lXtf8J+ONduLm7E0dmk1zG/2GK+YjYIiv38DHzc4xQB6rUN5eW2nWct3fTx29vCu6SWRtqoPUk9K5y68KXWq+DtO0q81GaG5twpknzvZyARyQVz161Dc+DriL4eajoFrd/a57lW2ST5UZOODknjigDo7TWNOv5Visr6C4doVnVY5AxMbEhX47Eg8+1V9U8TaJolxFBq+q2llLKpaNJ5QpYZxkA+5rzOL4X+IdL1TUG025jk0x0tFt7X7Q0TNGkpklg3gZVSWOCO3Falh4X8U6XfxXa2NnfK1rcW/2e4vWYW6vKGRSxUlwAPagD0pJEkiWSN1ZGG4MDkEetR2l3b31stxZzJPC+dskbZU4ODz9Qa8puPh94tg1DRItOu4fsmnNahpluXQuisDKpToQRuA9qq3nw78WQ+FYdI0SC3tXhaY/aF1GTczFiUcegwRkUAezUVXsI5otOt47pt06RKsjA5ywHP61YoAKKKKACiiigAooooAKKKKACiiigAooooAKZLGJYyp6Gn0UAY0nh6F3LEdaZ/wjkHpW5RQBh/8I5B6Uf8ACOQelWdU8Q6do95ZWuoSTJNfSiG3EdtJIHf0yqkDueccAnoKvy3EUCSNLIqiNDI/qFHfH4UAY/8AwjkHpR/wjkHpSaH400HxHKY9IvHkcRCcLLbSw7oz0dfMVdy+4yK2RcQmHzhNGYv7+4bfzoAx/wDhHIPSj/hHIPSrGoeJNI0zU9P069voo7zUX2WsG7LycE5AHbg89K1KAMP/AIRyD0o/4RyD0rcooAqWVitouEFW6KKAILq2W6j2NWWfDkBPStuigDD/AOEcg9KP+Ecg9K3KzF8Q6c3iJtCEk39oLF5xjNtKF2f3t+3Z7daAK3/COQelH/COQelXNY13TtB0qXUtUuPKtYXVHdEaQhmYIo2oCSSzAYA70zSvEWl61aS3NhdZjhkMUomjaFo39GVwGU89xQBW/wCEcg9KP+Ecg9K2WmjTZukRd5wuWA3H29ax5PF+kQ+IE0aaWeK6kfy0Z7WVYnfGdglK7C2OcZoAT/hHIPSj/hHIPStyigDEHh2AMDjpWrbwCCMKvSpqKACiiigAooooAzrzSIrt9zVU/wCEcg9K3KKAMP8A4RyD0o/4RyD0rcrnNa8e+HfD+ovY6neSLNEgkn8q2klW3Q9GkZFIQH3xQBP/AMI5B6Uf8I5B6VtRSJNEksLq8bqGVlOQwPQg1lXnirR7HTpr64uyYIbr7G5iheRvO37BGFVSxO4gcA0ARf8ACOQelH/COQelWtL8Q6XrNg15p92rwpIYnMitEyOOqsrgFT7ECr7SxoyB5FUucKC2N309aAMb/hHIPSj/AIRyD0rcooAyrXRYraTcorVAwMUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHMeK7LUrzWvDkun2DXMNnf+fcOJUTYuxk6MQT9/PHpXLab8OrjTprK+t9NtYdRe81R7+5QqJJYpjP5IZurD5ouO3516hRQB47pngDxXoWgtAqRaxNcaL9jC38iOtm45MYXAV0bJ7HnGcis+2+HGsR6DqtvJokwtZ762ubSz22eAyxFXZ4VVYipYD5cZxg5JGa9yooA87l0fX7fw/4Rs4NBhaTS7tLm5js5Y4oowEkXaqs3X5wcDjrXolFFABRRRQAUUUUAFFFFABXA+J9C1rVfEGsm007NtdaHJYxTtOgDSk7gMZyB2ziu+ooA8n1T4Z3cej61pvh2xg0+3votJMa2zJH++huC0746btoTkjnA61FqfgjxDHpl3pc1hFrkEupC6kvp1gmnuUK4HyTAxq64AztxjoK9dooA8OPw58QDRfD0NxosV7f2Ns9vi88ie2jQzlgCDgoQu3Dx89scV2+o2fiLVPH1tLqOkSPomnSh7TyLmIB5CMGWQFg3y5ICge9d1RQAUUUUAFFFFABRRRQAUUUUAFFFFABXn+oWHiPR9U8RR6RoiatBrjeZFO1wqeS5jWMrIG52jGRjPpXoFFAHks/grxBpdmdGsLEahDPa6bCbzz1RYzbcPkE55HIxT5/h/ds2q2djo0VhcXGvQX66xa+SkjQC6WUgEgncigkAgjIFer0UAeQal4G8Qrosmjz6bDrEB1N7ma9dLeWe6Rl4bbMCiuOFJ24wOAKqf8ACvtejTw1u0aO6vrCyhtna9EFxbxhZSx64aNgD96PrwMcV7VRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVU1K/XTrUSGNpZJHEcUSkAyOeAMnp9ewBq3Wdq1lcXLWc1n5TS2s/miOZiquNrKRkA4PzZBwaAIoNc23c1pqkSWtxG8SqIpDKr+ZkLg7Qc5BHSl1PxBa6dZ3cwEk72p2MkcTkb9oYKWAIHUc9BmqU2iahJcJfsbeW7N0szwtIyRhVRlRAwUk4LZzjk54FIugX/APYN1bzS28t3cXn2lzysbgOp2ngkDCgd/wAaP6/L/gh1LtxrhW1tntLZnnuJxAkVwrwckEk/MmcADqBTbPxFbzWPn3aiJ/PeBY4S0/mMp5KbV3MO/Tjmi/0h9ZmsjqkFuYYlkMsO4yDcwwpBKjOBk5wMGqkOjaraLpzwvaSzWlq9tmRmCpkrtcALycKMjjPrR/X9f11D+v6/roaI1/TmtoplklZZXZERbeQyMV+98gXdxjk44q/FKs0KyIHCsMgOhQ/iCAR+Nc4NBvo9Es7JYbZ7iCNj9rW7khZJGzkrtTJHOcEgHuK6OFHjt40lk811UBpCMbjjk47ZoAfRWRqnhy21a7FxcyncFCgG2gkwPq8bH9a04IUtreOGIAJGoVQFA4A9AAB+AoAx9W8Qy6dPdrBawzR2cCzTPJcGMjcSAoG05PHqOoq1c6/p9mSLiSRSiq0gSB5PKB6byoIX8az7vw3JcahPqAFv9t+1xTW8jD7saBQVJxkZ+bgcdKZcaFqcr3ECNaC0uL9bqV2Zi8iAqdmMYH3euT0A4oXn/X9foD/r+v63Nh9WtEvjaAzPMCoYRW8jhCem5lUhfXkjjmq3/CQwf23Jpwt7o+WgLSC2lIDFiAOE6cE7s4qNtNvX11byOOG0XzMyyRXTsZ0AIAaPaFz05ySMcVNBZXlv4gu7pUgkt7oJlzIVkj2qRgLtIIzz1HU0IGSnWrBb4WhnPmmTysiNigfGdhfG0N7ZzTU8QaZLdrbR3O6RpDFxG20OCRtLYwD8pwCee1Zuk+H5bG5QXMEU6RSvKkxvZT8xJIbySNgbnqD71oaRpK2WlQQXccMsySNM7BcjzCSSwyOvPWhASRahJdatJbWqKbe2+W4lbu5GQi+4zkn8PpHbzaw+ohbi3gjtfMlywOW2DAj/AIup5J46Dsai8O/uo761kyJ4byUyburBmLK30KkflWtKZBExhVXkA+VXbaCfc4OPyNHZh1Mm21i7e8vlu7S3gtrE4mnW5Z/4N3C+WM4BGefzpw8S6bLa3E1tMZfJga45jZA6jurEYIzxxmqUWk6s2k6tazC1jlv5HdZEnZ8B8Ag5QdFGAf5VJqPh+W7a5WEwpC9rFaxKSflQPl88dxgD6Ua/1/XcCSz8QlriWLU4YLMRWyXLOlx5iorHo2VXafbnNWY9f051uGMskQt0EkvnW8kRVTnBwyjOcHGKzZfDcsMF7Bp62yW0l1DdQwHKLlSpdTgcA7Rjg/SpE0nUGGpy30FldyXzIPJMzIqxhcY3bCcg98e/HSj+v6/roH9f1/XU1E1FZ7WSW0trmVk4EbwtCzH28wLx71TtNVvtS8NNf2VnGt0+4RQtJuU4bbnPy8cZ7UW1rq1ppEkUbRT3EkjFFmunYQqRwPMKlnweeQOuO1T6DZ3Gn6LbWd0kSvAgTMUhcNgfeyVGCTnj9aAFjk1U2V40kVutwruLVedrKB8pbBPU5+gqfT71NR06C8iBVZkDhT1X2/CotVvXtLXZap5t5PlLeId29T6KOpP9SKk02yXTtMt7NGLiGMJuP8R7n8TQAmq3ZsdHu7pPvQws68Z5A4/WprUSizhFw26by18xsAZbHJ496zvEWJbK2tD/AMvd3FEfoG3H9FNa1C/r+vmBl6pq0tleR21rBDM7QyTyGacxLGi45yFbrn9KbF4jsjp9tcXHmxvcQCfyUieVkX1IQEge5wKq6z4cOr3V3NKIC5tkjtGYZMThixbpxztHHbNR6jo2r3D6l9kks1OoW8cbyyO2Y9qkFQNvIOTzkYyeDS1t/XmPr/Xkaj65YJ5OHmlM0QmRYbeSRth6MQqkgH3xUN54ggs9WhsTb3MhdWd2S2lbaABjACndyccdO9QXuk3ct3CbKKG18kIiXcd04cICCVMYXaw6gBiRzmrM9leL4ijv7dIJYjB5DiSQoyDdklcKc/TjoOafUnoS3OuafaTeVcTMrAKXxE7CPd03kDCZ/wBrFNn8QaZbXT28tziWNwkgEbMIycY3EDCj5hyePyNZy+H5Rq1zJNBFdW9xciclr2VMDjgxAFGxjjJ54q/YaSsS3326OGY3dy0zDbuBXgIDkdgB+NCGSTahI2rR2Fmiu6gSXLt0iQ9B7scceg59AY5JtY/tMpFbwfZPPRRIx+by9hLt97ruwBx61Fpn7nxDq8MuRLK8c6E/xR7AvH0KkfjWwc4OOT2zR0TDqZS6nfNr8mnrZW5ijRZWm+0tkISQPl2fe4JxnHvTrTxDpd9Mkdrcly+7a3lOFJUZI3EYyB2zmq1nZ6vHqWo3U8VmjXUaiMpcM/llVwBgxjjJJz+hqIeH7mKzsoLd4R9ksZYlJJGZnUDd06fe5680tbD6j9P8SPd3NqtxawwQ3cUk0Trcb2VV7upUbQfXJq7b69p1zN5UUzgmNpQzwuiMg6sHYBSORyD3rJ/4RRre1vLfTjBbx3dgsDhQRmVcjdwOhBOT1qzDpupf2hPeXUNi4NoLeG1WRtqjPzAsU6EY/h9scZL/AK/MX9fl/wAE0bXVYL6Nns0uJAE3rut3jDjttZwAc/Wqtvq93LeXVlNYxx3UNuJ0WOfzFbOQFJIXByPp71Baafq9hp92tmbeOR9otreW5kmjhwME72Xd/wABxgY96uaLZ3FnDKLuGJZpGDPMtwZnmPqxKLjsABwB0xQAunSatJ5o1OKCLEcewxjOXK5f+I8A8D6GpNJvnv7ASToqTxu0UyqeA6nBx7cZHsalvr1LC1MzqztnbHGgy0jHoo9z/wDX6VBotlLY6aq3JBuJXaabHQO5LED2GcfhRvf+v6/4YOhfooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigD/9k=)

1. Now click on the & (Boolean and) symbol to get more information about what & means in raster calculator:

![Graphical user interface, application

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAeAB4AAD/4REERXhpZgAATU0AKgAAAAgABAE7AAIAAAATAAAISodpAAQAAAABAAAIXpydAAEAAAAmAAAQ1uocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFNvcGhpZSBBcmdldHNpbmdlcgAAAAWQAwACAAAAFAAAEKyQBAACAAAAFAAAEMCSkQACAAAAAzgyAACSkgACAAAAAzgyAADqHAAHAAAIDAAACKAAAAAAHOoAAAAIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAyMDIwOjAzOjMxIDEwOjA4OjExADIwMjA6MDM6MzEgMTA6MDg6MTEAAABTAG8AcABoAGkAZQAgAEEAcgBnAGUAdABzAGkAbgBnAGUAcgAAAP/hCyVodHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLjAvADw/eHBhY2tldCBiZWdpbj0n77u/JyBpZD0nVzVNME1wQ2VoaUh6cmVTek5UY3prYzlkJz8+DQo8eDp4bXBtZXRhIHhtbG5zOng9ImFkb2JlOm5zOm1ldGEvIj48cmRmOlJERiB4bWxuczpyZGY9Imh0dHA6Ly93d3cudzMub3JnLzE5OTkvMDIvMjItcmRmLXN5bnRheC1ucyMiPjxyZGY6RGVzY3JpcHRpb24gcmRmOmFib3V0PSJ1dWlkOmZhZjViZGQ1LWJhM2QtMTFkYS1hZDMxLWQzM2Q3NTE4MmYxYiIgeG1sbnM6ZGM9Imh0dHA6Ly9wdXJsLm9yZy9kYy9lbGVtZW50cy8xLjEvIi8+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczp4bXA9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8iPjx4bXA6Q3JlYXRlRGF0ZT4yMDIwLTAzLTMxVDEwOjA4OjExLjgxODwveG1wOkNyZWF0ZURhdGU+PC9yZGY6RGVzY3JpcHRpb24+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iPjxkYzpjcmVhdG9yPjxyZGY6U2VxIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpsaT5Tb3BoaWUgQXJnZXRzaW5nZXI8L3JkZjpsaT48L3JkZjpTZXE+DQoJCQk8L2RjOmNyZWF0b3I+PC9yZGY6RGVzY3JpcHRpb24+PC9yZGY6UkRGPjwveDp4bXBtZXRhPg0KICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICA8P3hwYWNrZXQgZW5kPSd3Jz8+/9sAQwAHBQUGBQQHBgUGCAcHCAoRCwoJCQoVDxAMERgVGhkYFRgXGx4nIRsdJR0XGCIuIiUoKSssKxogLzMvKjInKisq/9sAQwEHCAgKCQoUCwsUKhwYHCoqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioq/8AAEQgBWwI5AwEiAAIRAQMRAf/EAB8AAAEFAQEBAQEBAAAAAAAAAAABAgMEBQYHCAkKC//EALUQAAIBAwMCBAMFBQQEAAABfQECAwAEEQUSITFBBhNRYQcicRQygZGhCCNCscEVUtHwJDNicoIJChYXGBkaJSYnKCkqNDU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6g4SFhoeIiYqSk5SVlpeYmZqio6Slpqeoqaqys7S1tre4ubrCw8TFxsfIycrS09TV1tfY2drh4uPk5ebn6Onq8fLz9PX29/j5+v/EAB8BAAMBAQEBAQEBAQEAAAAAAAABAgMEBQYHCAkKC//EALURAAIBAgQEAwQHBQQEAAECdwABAgMRBAUhMQYSQVEHYXETIjKBCBRCkaGxwQkjM1LwFWJy0QoWJDThJfEXGBkaJicoKSo1Njc4OTpDREVGR0hJSlNUVVZXWFlaY2RlZmdoaWpzdHV2d3h5eoKDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uLj5OXm5+jp6vLz9PX29/j5+v/aAAwDAQACEQMRAD8A+kaKKKACisHX9aurbU9O0bSREL/US5EswLJBGgyzlQRuPIAGRyajvNL8R2tq1xpevyXl1GNwtr2CEQy/7OURWXPruNHmB0VFR27SvaxNcxrFMyAyRq24K2OQDxn61JQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAcv4v8PalqNzp+r+HbiKDVtNZjEJwfLmRhhkbHrj/PUZsXxGn0qeO38baDd6KWYILtf31sT/AL46fTmun1PxDp+j39pbalI1uLskRzuuIgw/hL9AT2B64qp4wvtMh8LXkepGOVLmFo4oPvNO5Hyqi9Sc4xj60rtK6Ha7sxvjPVrjTfBN5qWlXASZFjaKVQrjBdRkZyDkGt9TlFJ64rhdR0TUYfgj/ZbRmS+gsIy0Y5OUIYr7nAxXUWmv6ZP4fi1ZbyEWbRhvNLjA46fXtjrniqaSbXYlXaT7/wDAM/wfqt7qn9t/b5vN+y6tPbw/KF2xqRtXgDP1PNZXhXUde8TQX6zai9nBZ308H2mKGMyy7XOFG5SoVVwMlSSfTHMnw0lkuLLXZpYWgeXWZ5DG4wyZ2nB9+al+G/8AyBNT/wCwvd/+jKS6X/lX6Dezt3/zIk1fXovFEnhXz0mnMa3UepyQgFbfkNlBhS+4ADAA5yRxg2NSvNU8Lahp01zqcmp6deXSWky3MUayQs/3XVo1UEZ4IIP1pyf8lgl/7Aa/+jzUXxI/5Aul/wDYXtf/AEOiOvL5v9bA/ten6XJfGuualotxoY0r52vL77O8JAxLlGwCSCQN2CSOcZo1oa9omjT6ymsNeSWiedPZvbxrC6DlgmBvU4zglm96i8b/APIb8Jf9hdf/AEW1a/i7/kStb/68J/8A0Walu0HL+tkUleSX9bso6eNY8R6YmqLq02lR3K+Za28EET7Yz90yF1YkkYJClcZx71Y8J61c6vZXcOpLGt/p909pcGIYV2XGHA7Agg4+tXPDf/Iq6T/15Q/+gCud8INImoeMmgXfKuqSFF9T5a4FXK0ZSXZP80RG8op9/wDJmy2m63dzSyXGuPYrvPkw2MMZAXPG9pUYsfXG0fzpnhzVb25vNU0rVSkl3pkqIZ402LMjruRtvY4yCBxxWB4R03Rtc8Npq/iTytT1BtxvTftvFu4JymxvljAx0wKk8CGy/wCEq8TjS7SKzsy9s0EcUQjVk2H5wBxhjkj1BzStZ28v8gb6kuk6lrmt+I9f01b421rY3m1bhYkMiqVBEaZBHXcSWDdQPpb/ALR1DR/HdnpmoXsl1p+o2hFvJKiKwuI+WBKqPvLz9RxUPgz/AJGXxf8A9hMf+i1qz490+a78NG9sQTfaXKt9bY6lk5K/iuRReyi32V/u/plWu2l5/mP8Xape2p0vTdHm8m/1K7WNZNqt5cS/NI2CCOFGOneujri/Dd7F4t8XXHiGA77KytUtbQ9t7gPKfqMqv4Gu0p2stf6/rf5k3u9P6/rb5BRRRSGFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAyaGK5haG4iSWJxhkdQysPcGqVloGj6bOZtO0mxtJT1kgtkRvzArQooAKoLoOkJqH25NKsVvM7vtAtkEmfXdjNX6KAIoLS3tTKbaCKEzOZJPLQLvc9WOOp96S2tLazjZLO3it0dzIyxIFDMeSxx3PrU1FAEX2W3+2G78iL7SY/LM2wb9mc7d3XGecUlzaW14ipeW8VwqOJFWVAwVh0YZ6EetTUUAQz2ltcyQvc28UzwP5kTSIGMbdNy56H3FPmhjuIXhnjSWKRSro6gqwPBBB6in0UANjjSGJIoUWONFCoijAUDoAOwqOC0trV5ntreKFp38yVo0CmRv7zY6n3NTUUAZ8+gaPdXovLnSbGa6ByJ5LZGf/vojNW0tbeO5luI4I0nmAEkqoAzgdAT1OMnFS0UAQw2ltbSTSW9vFE87b5WjQKZGxjLEdT7mqfiDVotE0K6vpsMY0Ijj7yueFQDuScDFaVU5NI02XUV1CXT7V71AAty0KmRQOmGxmk1dWGtHcz/AAbof/CPeE7KwZFWYJ5k+0Y/eN8zfkTj8K3KKKpu7uStEFFFFIYUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRXD6naWl14+v8A7Z4a/t3bYW20eXbt5PzS/wDPV1xn2z057U9dS1Hw7p2maK277Y8UkrS/ZJ75YIw/yptjAZyAyrkkDjPPAID0djtar3Go2VncQQXd5BBNcttgjllVWlPooJ5PI6etc0PEesS6TbNDZol3JqIs99zbSwpIhBPmqj4cDvg55BGTwajlk1TTvF9xe6heWU0VtpXmyrDZOjMgZiQpMpwcjOeeOMd6PXb/AIFw9P61sdjRXMjV9csYbLUNVWxe0vJo4mt7eN1ktvNYBDvLESYJAPyr1yOmC061rRt9evB9iS30xp0hQxMzSlE3KSd4AAJwRjn2oel79P0/4cFra3U6iiuTXVfE323TrSQ6WkmpwtKjCCRhabQCVI3jzc7gMgp3OD0obxFqx0lW8qFLiK+ktLq5jtZbiOMJnDiJDuw2F/iwueScUbf18g31OsoqlpF217pMFxJPaXDODmayfdFJgkblPvjpk46ZOM1z1j4qu59es4Glt7q0vZZIkNvYzokZCswK3Dfu5R8hHygdcjoaOtg6XOuorlPG0UU91oEdxpv9qRtftutNsbeZ+4k7SELx15Paqmm30Ph59fmi019Ojhhini0jAXBwV3jZmMb2wDsJxtyeTigHp/XyO2ornhqOtaZe2C62bGeG/l8j/RInjNvIVLAZZm8xTtIzhSODjnim3iDWRocniPZZf2WgMos/LfzzCOrebu2hsZbbsx23d6AOqWaJ5niSRGkjxvQMCVz0yO2afXJXesDRtQ8QX6wtOwW0WONVY7mfKqPlBPVh0BPoDUml+Ir976SG/TzYBbvN9rbTLiwjhK4+VzNkEEHO4HjacigOlzqaK5PRfE17ea1FZ3DxXEdzbPNFLHp1xbKhXbwGkOJVIb7y46dOeGaZ4g117LRNR1NdP+zao6RNBBG4eIupKvvLEEEj7u0Y3dTjJAOvorK8S6zHoPh+5vnkiR1ASIyttUyMdq5PYZPPtmuf8HX+mWGrzaFpusW2pRSwi7jeG4WUiThZgcE4y2H/AOBN6ULVg9Fc7WgkKCScAckntXH2viHXv7Ps9VvV08Wc96tq9vHE4k2tIY1kD7yOuDt29O9XDqOsaot/Ppv2KOytZZLcRTRs0lwUJDkOGAj5BAyrdM98Um9L/wBf1qhpa2/r+tDoYpY54UlgkWSORQyOjZVgehBHUU+sTQLlLPwHp1zKDsh06ORgOuBGCf5VSGs65Z2Nnq2ppYmyupIle1hjcS26ysFQ+YWw5BZcjavU46c01aTj/XkSndXOoornIr7xDqN9qiWB063hsbkwx+fE8jT/ACK2Dhxs5bGcN16cc0ZvGk12lgmnRPbPcWi3UsjafPeiMElQm2HHOQ3zEjp0OeF/X6j7nY0Vyg8Q6zc2OlC3s47a6vLuS2lN3byIoCo581UYq2DtB2nnnGe9M1/xLqGkNMsFxaTyWdusk8MWn3Exc4JO5oyRACBxu3cc9KA3OuormYptXn8bfJfwLYNYpN9na3cnaWPGfMxu/wBrb04x3qro2oXf9j6HpehQWto89m07PMryRwRqQMBdwZiSw6sMDJyelH9fn/kB2FFcpd+I9WtbK7txb2suqWd5b25PzLDMsrLtYDJKHDHIJbBHetDS9Q1Ia7daVq72s0kdvHcRT2sTRBlYspUqzNyCvXPIPQYoWv8AXzDb+vkbdFYl3fapda7Lpujta2wtoUlnuLqFpclywVFRWX+6SSW9Bg9Rnv4j1a4hsILK3tYr6W/lsbnzdzxoURiXXBBI+UHBwTnGR1oD+v1OrpssscMLyzOscaKWd3OAoHUk9hWVoeo3tzcajZap5DXNjOEMtuhRJVZA6naSSp5wRk9PesC9bWG/4S5bu/t5rSK2bbCtu6lcwEjaTIQPfjk88UpOyuOKu7HaqwZQykFSMgg9aWuY07U9WtL3SrfUxaNbahAxjSGN1kgZUDbWJYh/lzyAvI6VQsvGWo3rWt5DaSy2tzKoFomk3QdY2OA/2gjyzgEMRgDGQGOMmmvesSneNztqKy9c1O4sY7WDT44nvb6fyIPOJ2KdpYs2OSAqk4GM8DI61nanrOraFYot/wDZrq5ublYLaW1tJiACpZmaFS7HaFY4DfN/s8mkM6KaaK3haa4kSKJBlndgqqPUk9KFmieZ4VkRpYwC6BhuUHOCR2zg/lXFX2s3uoeF9dtr6GRhDah47v8As+e0STOcrsl53DHUEggjpW9Yf8jjrP8A172v/tWgDaornr3xBdWH9tRTRRPParG9iqgjzhJ8qA89fMBU4x2qhr/im/0h5zFNaytZQLJcW8VhcTljjcwaRPlgyM43buME8UBY60TRGdoBIhlVQ7RhhuCkkAkehwfyNPrk9W1KXS9S1/UrZUaW30aCZFkBKkhpyM4I4rXvdXez1OwgIQxXEM0svBLDYqn5efejZXYbvT+tF/matFcXp3i7Ur2exnFpLJbXkig2yaTdI0CN0czsPLbHBPCjBOCcc37DXNQn8QG0vZLO1UyyItlNBJFMyrnDxyMds2QASFUbQ3J45dgOlpssscELyzOscaKWd3OAoHUk9hWTq2oXy6nZ6XpAgS5uUeZ57lGdIo0Kg/KCCxJcADcO57YOB4hvtUvPDus6bcPZx3diY/OlEDNHPG5ypVd4KHjBBLdPfhdAOxtLy2v7VLmxuIrmB/uSwuHVu3BHBqasHxM2p2/gjUJIL2GO9itJHedIGUHCEnYA+UPodxx71VuNe1DRGki1Z7a6J09ri3eCFovMkVsFNpduu+PHPXNAdv67f5nUUVytj4ruZo7QXUMSyxW9zLqaxqSI2hOwhMnjLZIzngfjThrOuWdjZ6tqaWJsrqSJXtYY3EtusrBUPmFsOQWXI2r1OOnJ1A6iisbxH5e3TPNhSX/iYwbd5YbTk4YYI5Hvke1ZN3r+vQ22s6jGuniy0q4dfKaNzJcRqAW+YPhCASPutkjoKFr/AF6f5h/X5/5HX0Vz8t/rV54hu9P0xrG2t7eCGX7RcQvKxL7/AJdgdf7oOc8dMHORFa+JLq4m0uGSCGOWa9ns7oAlgGiRzlDxwSoPI6HHvQHS50tFch4i1TVJrLWItOuoLQ2N1BGH8pmYqwjYjIdcHLflxjnNb1/c3mm+Gru6keCa8traSTcsRSNmVSR8u4kDjpu/Gk3ZXGld2NGiuZudX1Wz0a2mvbqwgu7x1McaWk07ICu4osaMWmYdyNoAyccYqtH4n1O40FbiKALKl69tPcf2fO4jVQSJPs/Egz8owT8uc5IHL2dhdLnX0Vx897rV9eaBLY6xphjuJJVZ7aJ5opSqP83Ei8YA+Xna38TYqK68Y6iZ7uXT7aSSG0meJbUaTdStc7Gw2JlGxCSCAMNjAyRkgHWwdLna0VgpqWrXfiW5s7ZbaKztoYZmMsTGV9+7Mf3gFPy/e5x6GovDut3+o3hi1GazSQxeY1l5EkFxbnI4w5PmJyR5gCjI4zng62A6OiiigAooooAKKKKAKkWmwxaxcakrOZriGOF1JG0BCxGOM5+c9/SodT0aPUpoLhLm4sru33CK5tmUOFbG5SGDKwOBwQeQCORWjRQBmLocf2e2jnu7u5e3uftPmzSAs789eMAc9FAA7VPJpdvNqEl3KGdpbb7M8bY2FMk9Me5q5RR/X6fkBh2/haCGW3E9/fXdraMHtrO4dDHCR905Ch229t7N69QDVs6Lbmw1G03y+XqDSNKcjKl12nbx6eua0aKAKLaTA19Y3ZeTzLGN44xkYIYKDnj/AGR6VVbw8qJJ9i1G+spJLp7oyQOmdzjBXaylSv1BI9a2KKA6WKWnaXBpumfYo2kmQl2keZstIzsWZjjAySSeABzwBWdZ+E4LOexc6hfzx6cxNnBK6bIRsZNvyqCw2tjLEkY69c71FAGdq+jLqzWji8ubOazlM0UtvsLAlWU8OrAjDHtUEPhq0C3n9oTXGpy3sXkzS3TLkxjOEAQKqjkngA5OSelbFFAGPa+HEhvLe4vNQvdRNpn7Ml2yFYSRjcNqqWbHGW3Hrzycwt4StWBtze3v9mtJ5h03enkE5zjO3ft3c7d23tjHFb1FAGbcaDZXZv8A7SJHW/VFlXdt27PulSMEHvnPUDFQR+HEa2uINS1PUNTiuIDbslzIoAQ9eI1UEn+8cn0PWtmigDGs/DiW2oQX1zqV/fz28TwxNcsmFRsZGERQT8o5PPvUq+H7VNM0yxEk3laa8bwncNzGMYG7jn3xitSigCnd6bFe3tncTvJ/ochkjjBGxnKlQxGMkgE4570X2mQ389nPIzxy2c/nRPGQDnBUqcg/KQSCKuUUAZR8PWh0eDTfMm8mCdJ1bcNxZZPMAPGMZ9ulQ3XhiK4muTBqF/ZwXh3XNtbyIElJGCclSyEjg7GX1681t0UAVbLT4LHSYNOjBkgghWECTBLKBjnseKzIPClvE1ukt/fXNlaOHtrKZ0MURX7vIUO23sGZscegxu0U763DpY5Wy8Pzz6lrc41DUtNFzencsBULMnloAw3qxHcbkKn34GNKbw1a7bQ6bPcaXLZxeRFLaMufK/uMHVlYd+QSD0PJzsUUuiQdWzOj0WFVsPMubqd7GRpVkmk3NIzKykscf7R4GAOAAAMVTv8Awpb38t9/p99bQagMXdtA6BJjt27slSwOAAdrAHHI653aKA2M1tFT+07a+hu7mCSCEQMibCsyA5Abcp791wearnwxbJZ2MVpd3VpNYRmOC6iZPMCHGVIZSrA4HBXqARg1tUUAY8fhq0S1aJ5biWWS6juprmRgZJpEYFdxxjHygYAAA6Yq6NNhXWn1MM/nPbrblcjbtDFs9M5yT3q3RR/X6fkBl3+hrd3wvbW+u9OujGInltSh8xASQGV1ZTgk4OMjJ55pLfw9ZWqWKweaPsczzqxfc0sjqwZnJ5JO8n6+3FatFAFS102G01C9u42cyXrI0gYjAKqFGOPQVTuvD0V1d3032y6ijv4PJuIEKbH+UqG5UsGAPY44GQa16KB3sUZNJglutPnZpN2n7vKAIw25Nh3cenpiqdr4ajsp0+zanqEdlHL5qWCyqIlPXAO3ftzzt3be2McVtUUdbitpYp6npkOq2ohnaSNkcSRTRNteJx0ZT6/XIPIIIOKov4bS4s5Ir7UtQupmkWWO5eRVkgZR8pQIqquMn+HnODkcVtUUAZB8PrNpt5aX2pX979sXY8szoCq+iqqhF+u3J754q9DYRQ6lc3ys5luUjRwSNoCbsY/76NWaKAMy/wBAs9R1ix1K4Momsidio+FfkEBh3wwDD0IqnqHhK21Br5Tf31vbahzdWsLoEkbaF3ZKlgcAcBgDjkHJzv0UB5mfLotpcT3clwHkW8tVtJoy3ymNd/pzk+Y3f0qnZeFobW+tbu41G/v5bSJoIftLoQqMACMKig/dHJ5PcmtyigDFsfDaafLCtvqeoiygbdDYmVfKT0XIXeVGeFLEdBjAApyeHV/tKK5n1PULmOCZp4bWaRDHG5yMghQ5ADHAZiBn2FbFFAGfqekR6lJBOtxPZ3VsW8m5tyu9A33hhgVIOBwQegPUA1XXw1af2bd2ss1xNJesHubqRl82UjGOg2gAAAAAADtWxRQBBfWcWoafcWVyCYbiJopNpwdrDB5/Gsu48L297Dpq6jeXd3Jp1wJ4ppCiu5HRW2qAV6HoPujmtuigDLtPD9jZ6tqWoRiR5NRCiZJGygABGFHbOST6mq0HhS3ia3SW/vrmytHD21lM6GKIr93kKHbb2DM2OPQY3aKNgKt9YRX4txMzr5E6TrsI5ZegPtVWfw/az6XqVg8kwi1JpGmIYblLgA7eOOnfNalFH9f19wdbnMHQ57jxdqN1DeX+nH7NbxpPbhMSgeZlcSKynHHOMjPXnm7J4XszpttaW81zbPazm4iuo3BlEpzuclgQxbc2cgjnp0raooAwo/CdolhqNs91eStqLrLPO8imTeAoDD5cD7oOMY9scVoy6d9o0aXTru5mnE0LRSTvsEjBgQT8qhc89hVyih6hsZl9ocd4LN4ru5s7iyBENxAULhSMMCHVlIOB1HYYxVeLwyltZmGy1PUbaRrlrlrhJVZ2dhhshlKkHrgrwemMDG3RR1uHSxiDwvAlnaxQX17DPbXD3Au1ZDI7vu3lgyledx4CgDtilk8NIbuaS11PULOG4k8ye2t5VVJG7nJUuhPfYy+vXJraooAqR6dDFqF1eK0nmXUaRuN3ACbsYxyD8x71n2/hkRTebcatqV3IkD28DzSJugVsZKlUBLcD5m3Hj61t0UAQ2lv9ks4bfzZZ/KQJ5szbnfAxlj3J7mpqKKA2CiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKhmvLa3mhhnuIopZ2Kwo7gNIQMkKD1OPSuc8WXlzbeJPCsVvcSxRz37JKiOVEi+WThgOoz2NQ+Lf+R08Hf9fk3/oo0LX77fl/mD0+6/5/5HUy3dtBcQ281xFHNcEiGN3AaQgZO0dTgc8VNXIeJ/8AkoXg7/rrdf8Aomuvo6XB72CiiigAoorH1fXv7L1rR9P+zeb/AGnM8XmeZt8ram7OMHPp2oA2KKKKACiiigAorH0rXv7T17WdN+zeV/ZckaeZ5mfN3puzjHGOnU1LPBrLeJrWeC7gXSFgdZ7dk/ePJ/CQcdPx/A9gDTooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAOQ8Zf8jT4Q/7CL/+imo8W/8AI6eDv+vyb/0UaPGX/I0+EP8AsIv/AOi2o8W/8jp4O/6/Jv8A0Uacdv8At7/5EH19P8w8T/8AJQvB3/XW6/8ARNWdQu7hPiVo1qk8q28ljcs8IchHIKYJHQkZNVvE/wDyULwd/wBdbr/0TTvE+/S/F2ia/KkjWFuk1tdOiFvJDgFXIHO3K8ntSXT5/qD6+i/Mu+PLmez8BaxcWk0kE0dsWSWJyrKfUEciqPirWbrSfA9ldxTyQrK9vHdXaLveCJsb5BnPPvz1qh4+8RWeqeBNUttBni1Fnt2Mslu4eOFByxZhwDgYA6kn0BrfutU/srw1p88lhNe2rxxpceSu8xRlOXK8lgO4Hbmjo/l+o+3z/Qq6dp1jevb3vhvxLdyiNwZv9Pa7SZe6srswUn1GMVl+L9EtJPGHhp2kvd1zfSB8X842/umPyAP8nT+HFZms6b4YuruxuvARt1137TGUOlvgKm4b/NVflVduc5A9Paui8aMLTVvDepz5Szs75jcTY+WINGyhm9BkgZ6Cn2fn/kLv6f5kfjoy+HvAMz6TPdrJFPCVZruR5DmVcrvZi2D0xnFbmm6RJBIl5f3t1c3xX95/pDrCCeoWIHZgdiQT75rnfiJf2epfDme4066gu4DcQASwSB1JEq5GRxXayhzC4iID7TtJ6Z7Ur2Tf9bIe7S/rc5rUbfTLe6lk8S+J5IWkYmKP+0TZJEvYAI6lvqxOfbpVfwpqa6rc63o39qf2rZ2jR+Rew3ALtHIpO0yRkfMpBG4HP41neC7/AEPRtK2a9Lb2fiHzH+3fayBcSybjyueXBGMbcj0q74Vu5rvx74llngeDzY7V4UkGG8va4BI6gnBOOozzzTS6Cb6lPw/4dsn8ceKIjLqIWGS12ldTuFY5iydzCTLf8CzitW+u7lPilpFolxKttJp07vCJDsZgy4JHQketVrPUbPQviB4i/tq6hsFvhbSW0ly4jWYLHtbax4JB7dafqHPxe0XH/QMuP/QlpR+z/X2WD2fy/NE97e3uueLptBsLqSys7GFJb6eHAldn+5GrH7owMkjnsMVJqPh+7sbKS68OalfR3sKl1iuruS5inxztZZGbGemVwRVa5D+GfG15rE8Uj6VqsMazzRoW+zSx5ALAc7Spxu7Ec1a1Hxjp72Mkfh64i1jUZFKwW9k4lwx6FyvCKOpLYqdeXTf+v69B/a12KOueIH1P4RXWuae8tpJLZeapjcq8bZwQGHPBBFXdP0SfVtHgu9Z1DUFu54lcLa3kkKwZGQoCEBiO5bOTntxWRrejHw/8EbzS3cPJb2BEjKOC5OW/Umuy0v8A5A9n/wBcE/8AQRWjteVvL9SdbR+f6GN4O1O8vLfUbHU5jcXOl3r2pnKhTKgAKsQOM4POPSujrk/B3/Id8V/9hX/2kldZS6L0X5D6v1f5hRRRSAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAOVmh+1azqRlnugI7hURY7qRFUeVGcAKwHUk/jQbGIEA3F6Ceg+3zc/wDj9Sj/AJC+rf8AX0v/AKJirndVsZf+FkeH76L7U0f2W7jmG9jEnEW35eik/Nz1OPatklYybdzR1e3+zaRcTQXV8kiKCrfbpjjkD+9V1tPjDH9/fdf+f6b/AOLqDXv+QDdf7o/9CFX5U8xXQsyhgRlGwR9D2NVZE3ZWFjEelxennHF/N/8AF1y3iK4urHXVt7W/vo4japJt+2Sn5i7gnlvQCrvgGzmsPDc1tOLgGPUr0Ibkszsn2h9rEtycjBz361neLf8AkZk/68k/9GSVpSjFzV0RUk1F2ZR/tLUP+gnfc9P9Lk/+Kpkuoai0LhdV1BCVIDLdyZX3GTiuF8WxM+sSGSC4kla1jXTWiRmCzeYC3I4Bxjk9s12XzeV8/wB7bz9cV2KEG2uVHK5TSTuSWOranNp1tLJql+XeFGY/a5OSVBP8VT/2lqH/AEE77/wLk/8AiqyLcSnw7ELbib7GPLP+1s4/Wud8GxBL9jaQXEMS2MSXfnIy7rkM2fvdWx1I9RRywTS5UHNNpu56X4Y1m9j8XWUVxf3UsEsU29JZ2dSQARwSa9RjcSIGHQ14vpxx4o03HpN/6CK9isf+PVfpXn4hJVLI7aDbhdlivExdXsnzvqep7m5ONQmA/IPxXtleHDd9nOz7207fr2rTCpOTuRiW1FWJfPu/+gpqfv8A8TGf/wCLq3o73M/iKwhl1HU3ikaQOp1GfBxGxH8fqBXn3hCJk1VPKguInWzK6iZUZQ1x5hI5bgnGeR2xXoOhf8jTpv8Avyf+inrpkoum3Y54uSmlc7U6bCASbi+AHUnUZ+P/AB+j+zYT0uL/AP8ABhP/APF1neOLJ9Q8B65BCbgSmwnaMWzsrs4jYqo28nJwMd+lammKy6TaK4IYQICCOQdorisjruyhptisovPMutQbZdyIudQn4Axgffq5/Z0G4D7TfZPQf2jPz/4/TNJ6X3/X7L/MVj3FjKnxU0+9T7U8Mml3KSbnZokYPFtAHRSRu+uPaiyC7JvE9r9k8PTzW15qEcivEAy6hPkZlUH+P0JrlPPu/wDoJ6p/4MZ//i67Lxf/AMivc/8AXSH/ANHJXmXixJZPDsyxJI670MyxAlmi3DeABz09K6qKjyttHPVb5kkzb8+77apqf/gxn/8Ai66r4e6jMNQ1W3ury5uFAgMYuLh5dufMzgsTjoK838KKFsLs28ckdi15I1mrqVxFnjAbkDOcZrsfBhI8SX//AFzg/wDalFdR9ldIKLftLNnrIORmimx/6tfpTq807wooooA5P4hTzwaPZG2uJoC14FZoZWjJHlSHBKkHGQOPauEN/fAZOp6gB/1+y/8AxVdx8R/+QNYf9fw/9FSV5D4rWMrpzX0Ukumpc5u1RGb5dp2kheSM16GHUfZttdTiruXPZM6b7df/APQS1D/wNl/+KrofCsL3+lzy3d5qEri6dATqE4wAFwOH964HwslxH4XsVvFkWQRfdl+8Fz8oPvjFeh+Cv+QLcf8AX5J/JautGPImkRSlLmabNX+zoAQDc32T0H9oz8/+P1l+JbX7H4duZ7a71COVDHtYahPxmRQf4/Q1Be2Mq/FHSL6P7U8T6ddpLl2MSENBtwOik/N9ce1XvF3/ACKt59Yv/RqVypK50NuxyP26/wA/8hLUP/A2X/4qj7dfEZGp6hj/AK/Zf/iqwfFiTSeG7pYFkfJXzFiBLNHuG8DHP3c9Kh8KKotb42sckdg127WaurL+7wOgbkDOcV6HLDmtyo4+afLe5upqGoHUJlOqajtEcZA+2y8ZL/7XsKn+3X3/AEE9Q9v9Nl/+KqhH/wAhKf8A65R/zeuS8TRO3iCYmC4e6ZbYaY8aMQrCQGTkcDjJOe1Jxglew1KTdrnb3WoaglnOy6nqAZY2IP22Xg4P+1XrOgXv2zRLF2cu7W0ZZmOSSVGSa8fu/wDjxn/65N/I16T4IJOh2ef+eEf/AKCK5MVFRtZHRhpN3uzqqKKK4jrCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAOF1HxDaaV4h1S3uIbuRzOr5hh3rgwxjrnrxUH/Caad/z66j/4Df8A16zvE3/I26n/ANdE/wDRSVl1am0S4pmxrHi+wn0i4iS2vwzhQN1tgfeHvXQNq3zH/iW6j1/59/8A69ef3/8Ax5N/vJ/6EK9OmcRiR2DELkkKpYn6Ack+wq4tsiSSKH9rf9Q7Uf8AwH/+vXF+KtR3+JFP2K9X/Q0GGhwfvv711/h7XYfEek/b7aCaBPPlh8udCjgxuUOVPIOV6Hkd65vxd/yMyf8AXkn/AKMkrel8aJUFP3Wc/wDb/wDpzvP+/X/16ZLqSxwu72l4FVSSfJzgY+tVtZ1saQoP2O4ugI3mkMW0CNF6kliB9B1NaEUy3Fqk0WdkiB1yMcEZrs5nsP6pDuylp19t0u0H2S7OIEGRFwflHvVn7f8A9Od5/wB+v/r0mmc6VZ/9cI//AEEVRsfEMd7qa2bWdxbmWN5YHl24lVGCk4ByPvAjIGRRzNB9Uh3ZraRc+f4r05fInjwspzIm0H5RXtNj/wAeq/SvG9N/5GnTfpN/6CK9ksf+PVfpXnYj+IaRgqa5UWK8PhivHhVotMvZEIyrpECGHqOa9wrgNG/5Adl/1xX+VFCbi3YUqaqaM5LyL/8A6BOof9+R/jUunTXFh4g06e50vUFQSSDiEEkmJ+gzWrb+LYZvE66NJYXcDSGQQzy7AJPLxuO3dvC88MQAa0r7/kJaX/13f/0TJXQ6zkrERw0E7plj/hI4/wDoF6r/AOAv/wBej/hI4/8AoF6r/wCAv/16g1fUv7K05roWs92wZVWGAAsxJx1JAAHUkkAAVDoGtw+INKF7BFJCBLJC8chUlXRyrDKkqRkHkEistDb2aJdG1hZI71k0/UCDey/8u/TkcHnrWj/a3/UO1H/wH/8Ar1W8Of8AHvqH/YRn/mKc3iCAeLY9A+z3HnyWr3PnNEVjIUqMBiMMfmGcZx361L0MHuZvizU9/hm4X7Bfr+8h5aDA/wBanvXH/b/+nO8/79f/AF673xh/yK1z/wBdIf8A0clcJeXK2dlLcujusSlisYyzewHrXTRdkxqjGpqxv2//AKc7z/v1/wDXrb8DTed4iv28uSPCQDEi4P8Ay0rm9J1cao1zG1tLaz2rhJYpSpIyoYcqSOhrp/Bf/IyX3/XOD/2pSxEr0yo4eNN8yPWI/wDVr9KdTY/9Wv0p1ecaBRRRQBxvxMl8rRNPOx5Cb8ALGuSf3Uted/a2/wCfK8/79f8A169F+JH/ACDdJ/7CH/tCauKrenWlTVkYzoxm7sz/ALW3/Plef9+v/r11Hg7UvL0i4U2F83+mSHKwZxwvvWPXTeDP+QTdf9fsn8lq3WlU0ZKpRhqjR/tb/qHaj/4D/wD16yfE+oPceHLmKPTtQ3u0QXMGBnzV96vyeIII/FtvoBt7jz57aS5ExiKx4QoCAxGGPzjOM479RU2uf8glv+u0P/o1KQHEHT9Tz/yCL7/v0P8AGj+z9T/6BN9/37H+NeizSCGJ5GV2CAsRGhdj9FHJPsKzvDuuQ+I9Dh1O2hlgjlZ1Ecy7XG1ivI7Hjp2rf28jH2MTgo7HUjqlwo0q93CGIkeWOBl8d/Y1Z/s/U/8AoE33/fsf413EH/IxX3/Xtb/+hS1BrHiCDR9Q0u0mt7iR9SuRbxukZ8tDtZss+MD7pwM5P4Ue3kh+xicReafqYsbgnSb0ARPkmMcfKfevQ/A//IDs/wDrhH/6CKXUf+QVef8AXvJ/6CaTwP8A8gOz/wCuEf8A6CK561Rztc2owUb2OqooornNwooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDy3xN/yNup/9dE/9FJWXVvxdDLJ4x1Ix3c0I3oNqKhH+qTn5lJrH+y3H/QSuf++Iv/iK55YiEXZnLLFU4ScWS3//AB5N/vJ/6EK9Qb75+teQalBcx6bM/wDaFw20AgFI8dR/sVuNret7j/xN5uv/ADxh/wDiK7cL++TcOhLxFOeqOv0LR10SxmtlmMwlu7i63EYwZZWkx+G7H4VzPi7/AJGZP+vJP/RklVv7b1r/AKC03/fmH/4ise8lv9R1x2utSnZktkAIjiHG9/8AYrthSlGSbHGvBO7M/XdCm1me2IvFSCHJa2ki3xytxhmGRnHoeK1gCsGGIJC4JAwOnpUP2Of/AKCNz/3xF/8AEU2WyuTC4j1KdX2naWjjIB9xtGfzrfltqbfWqY7TP+QVZ5/54R/+gis3RtAuNLv57q5vUvJZ8+ZK8OJDzkDdnhR6DAqxp9rOdLtCNQuFBgTACR8fKP8AYqz9kuP+gjcf98Rf/EVNr2Oovab/AMjTpv0m/wDQRXslj/x6r9K8V0eCSLxXpxkupZgVl4dUGPlH91RXtVj/AMeq/SvPxH8QiW5YrgNF/wCQHZf9cV/lXf14zbXWox20aQ6lNHGq4VBHEQo9OUJ/Os4SUXqJOxch8Iz/APCWw6zeaik4tXkaD/R1WYhxjy3kHLIvYVtX3/IS0v8A67v/AOiZK537dqn/AEFp/wDv1D/8RVO9vtTF1Yn+1Ji3nNtbyovl/dt/sfhz61rGSbsgclFXOs1qwuNS01rezvPsku4MHMYdXA6o6nqrDIIqt4X0AeHNIazEqSNJPJO3lRCONC5yVRBwqjsKwf7Q1f8A6DFx/wB+Yf8A43R/aGr/APQYuP8AvzD/APG66fYSMPrVM7Hw5/x76h/2EZ/5ipp9HWbxRZ6yZiGtbWa2EWOG8xkbOfby/wBa4LS9V1eCO6WLVZlBu5GP7mLkkjJ+5V7+29a/6C03/fmH/wCIpexmzF1o3Om8Yf8AIrXP/XSH/wBHJXBahbzXenXFvbXLWssqFUnQZMZPcVY1nVNWudMaGfU5njeWIFTFEP8Alovon41V+yT/APQRuP8AviL/AOIrSEHFNM6qElKLsVtC0k6NZNbGSKQFt25ItpY9yxJJYn1NdT4L/wCRkvv+ucH/ALUrn/slx/0Ebj/viL/4itzwLG8XiG/EkzzHZAdzhQf4+OAKzr6U7G0tj1yP/Vr9KzLvxT4fsLt7W+13Tba4jIDwzXkaOuRnkE5HBBrTj/1a/SvIPGmj3N14xv5o/gxY+IVZlxqkuoxRtcfIvJUoSMfd6/w155mekR+MfDMsixxeItJd3IVVW+jJYnoAN1bNeFadoN0mqWrN8A9NtAJkJuBqkLGLkfPjZzjr+Fe60Acd8SP+QbpP/YQ/9oTVxVdl8TUaTSdLVJWiY6gMOgBI/cS+oIrgvsdx/wBBK5/74i/+IoAt103gz/kE3X/X7J/Ja477Hcf9BK5/74i/+IpdK1HVLJLqC21OZEW5b/llEcnC88pWtGLlKyMqklGN2d9c6Otx4msNYMxVrK2ngEWOH80xnOfby/1p2uf8glv+u0P/AKNSuO/tvWv+gtN/35h/+Iqnqmtaw2nsH1WVh5kXBhi/56L6JXV7CZz+2ienA4bPoay/D+jLoGjJYJMZgsssm8jH33Z8fhuxXInW9az/AMheb/vzD/8AEUn9t61/0Fpv+/MP/wART9hMPbROzg/5GK+/69rf/wBClpmsaONXk01mmMX2C+S8GBneVR12+338/hWB4bbUNT1PUHuNWuQ6RQDckUIyMycfc/zmui/s+7/6DN5/37g/+N1jJNOzNU01dE2o/wDIKvP+veT/ANBNJ4H/AOQHZ/8AXCP/ANBFUtQ0+6Gl3ZOsXh/cScGOHn5T/wBM6u+B/wDkB2f/AFwj/wDQRWNQ0gdVRRRWZoFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAeV+KP+Ru1P/ron/opK4Hxb4gudLu7O3tRNCnnQyTzrbvIrIZlUxgqpGSCT68ADJNdr4t1Gzh8YakstzGp8xOM5/wCWaA/qCPwrFk1LTZU2y3ELrkNhuRkHIP4EA/hXk1NKrbR4VXSs21cXVSG0ecjoVBGR7iqfim6nsvDd9cWshikRP9YoyYwWAZh9ASfwp2q6rYNpc6i7jywAAz1ORU76pp7bgbqMg9Qe9ezlX8OaCimlsZ3hm5Mr6nBHePfWttdBLe4dw5IKKSu4cHBP61pJ/wAhmb/r2j/9Ceo4b/S7eIRwTQRRr0VBgD8BUUOoWkusTmKdX228YO3Jwdz166skrs31b0Rg+KdSnttWnVdRks2t7SOW0iRwouJDIAQQfvcYGB611+SYssMErkj0OKgkezldHlCO0ZyjNGSVPqOOKe13DtPz9v7p/wAKE0m3cHdpKxHpnOl2ff8AcR/+giuZ8N38l/4gke31V7u1WORZfNmX97JvGDHGOVVRuGT1yK6DTrmJdLtAWIIgQH5Tx8o9qkjNlE+6JI0b1WPB/lWejtqe0ti9pv8AyNOm/Sb/ANBFeyWP/Hqv0rxjSpo5PFWmhGyQsvYj+EV7PY/8eq/SuDEa1CZblivFof8AUp9K9prw+O9tkjCtKAw4IweKwJLVUr7/AI+rH/rs3/ot6l/tC1/57D8jVK/1C0FxZMZ1AErZJzx+7atKX8RepFT4GZ/iW4Mc2mW8t69haXE7rPcJIIyMISq7jwMn+VWfDN1PfeGNPubti80kILOwwX9G/EYP41NNf6XcRGOeaCVD1VxkH8DTxqungAC6iAHQA16/2r3PM1tawth0uv8Ar5k/pXL22p3DeKkB1CRp31KW2ksS42pAseVbZ1HZt3fNdDp17bslyyyhgbmQggE56VYD2YuDOAgmI2mTyzuI9M4qXZ21Grq+gmpf8eY/67Q/+jVqLWZ1tdEvJ3uvsixxFjcbc+WPXHrSandwCxyZMATREkg8fvFpz6lp8ilXuImU8EHkGiTTeh24XSLuZXhGea5tbqV7pprdpQbdJZ1lljXaM7yvAycnHbNdv4L/AORkvv8ArnB/7Urm477TIQRDNDGD1CjGa6DwLcRXPiG/eCQSKEgBI/4HXNW0p2OttNbnrkf+rX6U6mx/6tfpTq88gKKKKAOO+JH/ACDdJ/7CH/tCauKrs/iU4j0nS3c4VdQGTjp+4lFcL9utv+eo/wC+T/hQBPWfa/668/6+W/8AQVqz9utv+eo/75P+FZ1tf2qzXm6dVzcsRn/dWurC6VNTnxGsDnYtTuD4rUf2hIbhtUe1aw3jaLcREhtnXsG3e+K6jU/+PBv+ukf/AKMWm/adOFx54eHziu3zNvzY9M1DqV/atYkLOhJkjwB/10Wu9WSepxO7a0I/FN1NZ+Hbma3laBsorTL1jUsAzfgCTmo/DNy00N/Gt015bW948VvcO4cumBxuH3sE4zWo1zbupV2DKeCCpwf0psUtpBEscO2ONeiohAH4Yp3XNe4teW1jqPBX/IQ1P/rnB/OWrHi6a+ttT8NSWt88EEurJBPAqDEwMUp5brgbRx3rJ8Ka3pljqGo/bL2KDfHBt8w7c4Mmf510reJvD77d+qWbbTuXL5wfWuKprJ2OunpFF/Uf+QVef9e8n/oJpvgf/kB2f/XCP/0EVl6h4o0NtLu1XVbUkwOAA/U7TWp4H/5Adn/1wj/9BFc9Q3gdVRRRWRoFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAeU+JUWLxZqaxKEUzKxCjAyY0JP1JJNY13f29ikbXc6wrLKsKFj952OFUe5Nbfij/kbtT/AOuif+ikrhvE3h2+1e7trqzvokNu8RSCaDeqkTI7SA7hzhemOQMDGc15FRJ1Xc8Gsk67TZsax82kT7ucAEZ5wcjmn3t5FYWs11dy+VBCpd3OeAKj1XP9jz7jk7RkgYzyKg1/T5NV0W6s4HVJZADGz/d3KwYZ9sivaym/s52HRtbUm0/VLfVIHltHkIjcxyJIjIyMADgqwBHBB/Gum8F/LrOpFeC1vDkjv80lcboljd28t/d6isUdxezCQxRNuWNVQKBuwMngmuy8Gf8AIY1D/r3h/wDQpK9Ord09Tqp2U9DotT1+w0eazh1C8WKa+mEFvFu+aRj6Drj1Par8jN5b/Meh71j+JNIm1i20+O3ZFa21GC6Yv3VCSQPfmteT/Vv9DXEdZU0Rm/4R/TsE/wDHpF3/ANgUzTdf0/WLm9h0y8W5axlEM7RtlVfaG25HBIB59DxTtF/5F/Tv+vSL/wBAFVNK0iax8Ra7fyMhi1GeGSJV6qEgSM5/FTQBHr5J1jRskn55v/QBXaWP/Hqv0rite/5DGjf783/oArtbH/j1X6VjPc2jsWK4PSmb+yLTBP8Aql7+1d5XBaV/yCbT/rkv8qqnuaRKlt4r0u71ptLguZGuQzoCYXEbsmN6q5G1iMjIBqn4vY7NL5P/AB9t3/6YyVQi8OavL46tdWvBapHZtMBPDM+Zo3GFTyj8qsO7Dk4FXvF/3NL/AOvtv/RMldEL8yKRzl9qMGm23n3cjKhYIoVSzMx6AAck0thqEGpWa3NnIzxMSvKlSCDggg8gggjFVNettQutNEWkPFHceapLydVXnJU4OG7A4OMmn6LYnTtJjtmhWFlLFgspk3EkksWIBJJOT9a67u5R6B4KZv7Ak5P/AB9y9/etD/hINPPiEaGt4r6j5BuGgVslEBAy3pnIxnrWb4K/5AMn/X3L/OrNzpE03jTT9XVkEFtY3Fu6n7xaR4yCPb5DXDLdnHL4mJ4wZv8AhFrnk/6yHv8A9NkrhL2/h06zkuryUxwxjLNgk/QAck+wruvF/wDyK9z/ANdIf/RyV51r2nzalpLQ2rIs6SJLH5n3SysDg+xxXVQvyuxyVrcyuWbDUoNTtfPtHdkDFGDoUZGBwVKnBBFbvg058S32f+ecH/tSuX0OxubSG7mvxGtxeXL3DxxNuWPPRc9+B1rqPBn/ACMt9/1zg/8AalLEX9lqOhb2mh6vH/q1+lOpsf8Aq1+lOrzD0AooooAxPEZxNpGOP9NP/oiWqGq6xZ6Jpc+o6rdpbWtupaSSRsAew9Sew71f8R/67SP+v0/+iJazNbsn1Pw7qVhCVWS7tJoELdAzoVBPtk1tDYyluW7e6W6tYriF2McqB0J4yCMivPdTJ/4SDVOT/wAfZ/8AQFru9MtnstJtLWUgvBCkbFehIAFcHqf/ACMGqf8AX0f/AEBa6qHxnNW+EyF1+wbVzponf7TuKf6tthcLuKb8bd23nGavknzrfk/8fMP/AKNWuaTQb8a4uTB9gTUG1ASbj5hYqR5e3GPvEnOeldIf9db/APXzD/6NWuptuLuc9kpKx6dNcLBE808yxRRgs7u2FUDqST0FVNI1q013S4tR0u48+1mLeXIOjYJGR7ZFXQcPk+tYvhTSJ9C8Px2F06PIs00hMfTDyM4/RhXnHcYHipj/AMJVJyf+POH/ANDlrmrzX7Cwvo7O6nZZX29I2ZU3NtXcwGFyeBmuk8U/8jVJ/wBecP8A6HLXC6zoN/e6lcm0MH2bUFgSd5GIaERuCSox82QMdsGu6m2qasck0nN3OhuyfsNxyf8AVN/I16R4H/5Adn/1wj/9BFebXf8Ax4z/APXJv5GvSfA//IDs/wDrhH/6CK58Z9k3wvU6qiiiuA7AoorE8YXtzp/he4ubGZoJ1khVZFUEqGlRTwQR0J7UAbdFeSXPiTxBFazSLrlzuSNmGYoeoH/XOu91fX5dE0jTL+WATQT3EEF3KW2+QsvyiTGOcOyA9MAk9qAN6iuKf4madYxT3erwS22n/bZLW2uo1MiyLGwRnbA+UbywHX7pNO0Tx/bTz6rbau6pPZzX8qCGJiDa28wj3E85b5l479hQB2dFctZfEfw3qHiCLR7W8ZrmYhUJjIRnKB9mf7205xT9U8e6TpGsvpl1HeGdCoJjg3L8wBHOfegDpqK43xb4+/4RPxPpdhc2Hm6fdRtJdXglwbVdwUMVxyu5gCcjGah0P4o6Vqek6bcXkM8E13BDLP5MTSw2vmkhA8gAC5xxmgDuKK4TSvHupz/2featpNtBpmp3ktnby2100kqSI0gG9CijDCJvuk4OKbdfFjSt8cWmWd7eTrfQWlzALdhJCJd218AHP3Dx60Ad7RXPWPjbSL/xQ3h9DcQ6iI2lEc0JQOq43YPtuFdDQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHn/ivwvqM+s3F/Y3luqTlWMctuzEEKF6hxx8vpXPf8I9rv8Az3s//AZ//i69feNX+8M1H9li/uCsnRpyd2jCWHpSd2jx658L63dWrwtc2ihxgkWz8c/79SHw5rhP+vs//AZ//i69d+yxf3BR9li/uCtqTdFNU9AWHpLZHkX/AAjmuf8APez/APAZ/wD4urmk6br+k3U88UljIZo0Qhrd+NpY/wB//ar1H7LF/cFH2WL+4K0dapJWbLVKCd0jhPtniT+7p3/fiT/4uka78SMpG3TuRj/USf8Axdd59li/uCj7LF/cFRzMrlR59aSeIrSxgtk/s9lhiWME28mSFAGfv+1TfbPEn93Tv+/En/xdd39li/uCj7LF/cFHMw5UefiDWNQ1Szl1D7KI7YuQIInUksMdSxrv7NStsoPpThbRA5CipAABgUm7jtYWvPLjTNf0uNLe3uNPmjjG1C1rJnA6ZxJ1r0OmPCkn3lBoTa2Geb58S+um/wDgNJ/8cqjqel+INUFuJpbFPIkMi7LaTklSvOX9GNep/ZYv7go+yxf3BVe0kuo7s8h/4RrXP+fiz/8AAZ//AIuj/hGtc/5+LP8A8Bn/APi69e+yxf3BR9li/uCr9tU7hzM800q38R6RZtbQPp7q0rSEvbSZy30kq79s8Uemmf8AgNL/APHK777LF/cFH2WL+4KjnkTZHm+px+I9U0+SznbT0R2ViyW0mRtYMOsnqKyv+Ec1z/nvZ/8AgM//AMXXrv2WL+4KPssX9wVUas47Ml04S3R5F/wjmuf897P/AMBn/wDi62vCmhXthqc9xeOkjzBF/dxlQAu71J/vV6H9li/uClW3jU5C4pSqzkrNhGnCLukPTiMfSnUUVmWFFFFAGR4hsLq9trZ7CaGKe1n85fOjLq3yOhGAwP8AHnr2rlZLnxPHIVH9mNjv9ml/+OV6CRkYNRG2iJ5UU1JrYTimcD9s8T+mmf8AgPL/APHKwbjQNeuL25uWnsg1xJ5jAWz4BwBx8/tXrf2WL+4KPssX9wVcakou6ZLpxejR5D/wjmu/8/Fn/wCAz/8AxdH/AAjeu7kP2iz+SRJB/oz8lWDf3/avXvssX9wUfZYv7gqnXqPS5Psaa6HBfbPE/ppn/gPL/wDHKPtnif00z/wHl/8Ajld79li/uCj7LF/cFZ8zL5UeVajpHiDUtSa8llsUcxLFtW2fGFLHP3/9o1W/4RzXf+fiz/8AAZ//AIuvXvssX9wUfZYv7grRVqiVkyHSg3do8fk8Ma5LC8bXFmA6lTi2fuMf369F8K2bWWnwwNn93GqZPfAxW39li/uCpEjVPujFROpKfxMqMIx+EdRRRUFhWZ4i0l9b0OawimWB5GjZZGTcAVdX6ZH93HWtOigDz6X4c6lLBJGdXtAHUqSLNuMjH/PSuxvtGtNU8PTaNqSeda3FubeUAlSylcHBHIPuOlaFFAHH6h8LvDGp2tlb3NtcCKythaxqly67o927Dc/MdwyT1JqW8+G/h6837o7uFpGuDI0F3JG0izsGlRiDypKg7enFdXRQBzWn+AdC0rXBqmnwzQTjGUWY+WxCBNxXucAc1sT6Npdzcm4udNtJpjgmWSBWY46ckZq7RQBk6n4Z0rWbxrnUbfzna0ksmBY7Wik+8pHTnHWsi2+Gfhu0S0jtobmOC2jhi8hbpxHMsRzH5i5w+0njNdbRQBy1p8O9BtHY7by4j/feXBcXckkcJl3byik4Unc3I9aq2fwq8M2EUq2qXsbyNA/nC8fzEMJYx7WzkY3N9c812dFAHL6R8O9A0TxCNasYrj7YBKFaS4d1HmEF+Ce5ANdRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVwo8b3+lXniJtbhS9ttP1G2sLSHTbYrNK0wQrnfLtPMqjt0J74HdVzC+A9P+131xPe6hcG+v7fUJEllXassDKybcKMD5FBHcKPrQBzXiL4pS2VnpskH2bQml1STT9QbWY/NFoyQmT/llIAc/LyGxg1Yl+Kg0fwTpGt+IdMIe+ieVxDcQwgKv8SrNIrNuHIUZNdC3gbSH1Rb9xO0q6hJqO0vlTK8IhYEY5XYOnrWTcfCbRJYVhtr7VLOJYprZUguF+W3lOXgUspKpnpjkDjOKALdr8Q7G/wDFkeiafYXVzujika5V4lVVkTerbGcOy46sqkA1a8M65qmp6/4isNXt7WA6ZdRxwrbSNICjwq4JYhcn5vQY6c9arr8O9LGs6Zfy3d7MulCP7HbyOhSJkTYCDt3dByN2Ce1X9G8Kw6Lreo6pHqWoXU2okNOlzIhQsoCqQAowQqhevT35oA3aKKKACiiigAooooAKjuPN+zSfZmRJdp2NIpZQccZAIyPxFSVHPEZ7eSISPEXUr5kZAZc9xnPNAHA6T8Rb4eHdJm1LSpdV1XU0uZkh0mJY0SOF9rE+bL6Y78k4xWT4k+LV1Z6zbx6LPpq211o9rqVnb3lvI09800jqIkKuAp2qP4W5PpXZaP4D0zRorBIri9uDp8VxDA9xKCdkzBnBwozyvHpk1Cvw28PfYzayxTTQnSoNJ2yS9IYSTGwI5DgtncO4FAEWo/Eew0nxhZeH9RtJIZrx44klFzA2JHGVBj8zzMZ43bMZxTtB8cN4vW/i0GwktnhVxBdXjRvGXVtmHjSTzEOedrBSQKhHwv0o6rFeyalqshS5gu3iedSs88QASRztyTgcjOD6VLD8N9OiuNTuZNS1OW71G0aze6MqJLHExyQrqoJOQPmbJoAl8E+INS1mbWLbU5rO9Gm3Qt47+xhaKKc7AWAVmblWJU4JHFdXWJ4Y8Lw+FbAWVnf3tzaooSKG5MZWID+7tReuec5rboAKKKKACiiigAooooAKKKKACs3xHrMfh3wzqOsTRmVbK3ebywcFyoyBntk8ZrSqC9s7fUbCeyvYlmt7iNopY26OrDBH5GgDiIvFHifQNQ0z/hMF0y4tNUimZRpsbo9tJHE0uw72IcFUYZ+Xn2qbXviTDY6H9q0nT7i5uWsrS/jikCKDFPMsYBO8fNz06ZxzjNW9M+HWm2F5HPdahqeq/Z4Ht7WO/uPMW2RxtbbgDkrldxycHFV7b4W6PBZ3VtPf6pdrcWcVkrT3CkwRRPvjCYUYKnBBOegzmgDC8SfE7VtK8SS6fBDY2s6QWkkGkXsZe7vHmeRWjR4pSgI2Dsw+bk10l38RNPsPHVt4YurWVJ7qQRRTLcQNlypYZjEnmAcEbimM1NL4A0q8tL6HVZrvUJL+2gt57ieQeYfJLtG6lQNrgyE5HoKrRfDTTItaXUv7R1NmF0t60LTJskuFjMfmthMk7T649qALXg/xxbeM1nlsLC4gt4xlJpZYW38kYKo7MjcfdcA109c54f8ABNj4f1i61VLu7vb65iELz3RQt5YYkD5VXJyepyfeujoAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAornb1zfT6tJc3c9va6enlp5M7RfPsDs5KkE4yAAcjrxUEPiK9h0O8uLpIzLaW8CjKkb53QEg8+rLwPejcDqaK5+RtXn8VCGC9t444LXzGU27Fcu2ACBIMn5Gwe3p3rLvLm7u9enige7heS8S3tZxcssCFFDOCgbknkYK4PrQtf6+QHaUVzcuuahI0U9r9lS3mvvskUUkbM8gDEM+dwx0Y4wenvVq31K8l12S0uXhtVEjCKF7Zy0yAD5ll3BSec4AJHeha/wBf13DY2qKRmVELOQqqMkk4AFY2n+J7TUr5LW3jO9snIurd8ADrhJC35CgDaoqC+uRZ6fcXJ5EMTSfkM1x+mX91YpJdz/bM2Vkv2qC5uTIZ5XwUKjcwVevIx1xjigDt6KwYtR1dNRurWUWl1JDZ+f5cEbIRISdse4sc5wecDtRa6peTaReXD3lsJ7eMM0bWMkZhIG4hkZ8nI6HgfWlfS4G9RXM29/qWj+F7e4v5VvZpljWKMQvvDvz8x3MWAz2GeKVtd1SGxlka2jmc3UUFszwPbCbcRuGxyWGOef04p7OwHS0VhXOo6tp+nXjXsVu0weOO0kiUhZGfA5XJPDHrxn0FWjoUEmjNp9xJJIJWDzy5G6Vsgkn64xj04GKANOisDWLKDSvC+oNBJOjszzh0mZGMrnjlMcZIGPQClle80260/StMdZZJ0eSaa8kkmKBQo3ctnqemQPpQBvUVxV7rk9zbWFxcxXLxLbS3NwtjM0ORu2ox+cHb3xkkehq9FqGpWVl9kNzbmSxsxPdXcytKGznao5Uk4X7xP4c0bIOv9f11OnornZdZ1KO2sJLjyLNJ7cSTXLWzyxrIcfIQrDYOc7mOKfr6TtdaSkV7PG810iMkLbFYAFmPHJyBjBJHt3p21sK+lzforM1PQLTVpmku2kyYfJwpGAu4Me3fAB9qj1b9xq2kTQnEzzmAqD96MoSwx7FQfwpDNeiiuES8S58WQ3U0Mix3FwsljPsHmzpjZsU5+VASWIPJB6ULV2Dpc7uiiuI0u/uJ7+G6d7yHAmvZjLcs0ctvlgqom4jjI6gEY96AO3orn7PVtTn1HTkm+yrHewvcGBY28yFABty+7BOWA+6O9SaTqN/fPNHdSwW1ysZP2V7SRWiOSAdxfEi8dVAB9RQBuUVy+majqFp4fudY1C4S5gZpJUhWFg5+bChWLkAHAwMcZpf7f1SGwv7qe3RkgtvMRmtZYAJScCPEhy46cgD9aAOnorFOoapYw3V1qtvB9mjtjOvk5yjDOYzkndxj5sAVJY6Y0mkTC/kY3V/H/pEinBXK42rnoFBwB+Pc0Aa1FZI0mx0qwvpFMqxvGrSFZChVY0AABXBAwP1NZlrNe6XoOlfZXa5v9ReNX+2TySAZUsSMk4wPT0o/r7w6HU0VyN9q17cW8MEqySuL+SOQ2DGFpYolJbGXyOeMbu1S6Vf3wtLS2tpUZ7wSXSS3DtMLeDIwpJILt8wH3uOeTij+v6/roB1NFc0muak+h2d6VhCzSSeZcpaySrGgztPlq275sDnOBVzUpYW0q3kuryWVpB+6WwdovtLkfKF2kt7/AHsdzwKGBs0VixaG97pNgmszyPdW8TKzIwPzMhUnJHJAPX19abrNvHp2i2RtMo9lNClvzycsEK++VJFPrYDcooopAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBQn0TT7m7a5mhZncqXXzWCSFehZM7WI46g9B6Uy48P6Zd3Lz3FuXd3WRgZX271xhtucZwAM4zjitKigCpJplrLqC3rLItwqhd8czpuAOQGAIDDk9QaT+yrLaq+Twtx9pHzHiTOd3X36dKuUUAZqeHtMS7S5W2PmRymWPMrkRsc5KqThc55AGD+FS2+k2ltdC4QTSSqCFae4kl2564DscfhV2igAooooAiuraK9tZLa5TfFKpV1yRkH3FQXGkWN20xuIA5miEMnzEbkByBwexPXrVyigDOh0HT7cT+RHKj3AUSyrcSeY+05GX3bs89c9OKmg0u0t7eaFI2ZZ/9aZZGkaTjHLMSTxx1q3RQBQGiWI0/7EUmaAMGUPcSMyEYxtYtlcY7EU9NLtVSJSJZBDL50ZmneQq2MZyxJ6E8dKuUUAUtXsX1HS5LeJxHNlXicjhXUhlJ9sgVbTeY18wKHwNwU5APsadRQBT1HSbTVUVL0SsinO1J3jB5BGQpGeQOvSnJp1skgkCu0gh8je8rM2zOcZJ5579atUUAUo9HsYoyiW4Cm3FrgsT+6GcL19zz1qC48OaXdLtntmZfKWEqJnAZF+6GAOGxngnJFalFAFCbRbK4ZTMszIoUeV9pkEZA6Apu2np3HNJdaJZXl4t1cfaDMhyhW7lQIcY4AYAceg5rQooAKoR2EkmrtfXjqxjBjto0zhFPVjnqxx+A49Sb9FABWXF4c0yGeGaOGQPbtuh/0iQiInqFBbAB7gcH0rUooARlDoVbkMMGqg0ixVYFFuuLeEwRgknCEAFevPAHWrlFAGbbeHtNs5DJbwyLIYjD5hnkLhDj5QxbIAwMY6dsVPaaZa2UjyQiRpHAVpJpnlbA7Zckgc9Kt0UAZ8Wh2ENpPapE5t5wQ8LzOyAcn5QThev8OKcuj2Ytnt38+WJ2Vis1zJJypyMFmOOR261eooAgvrRL/T7i0lOEnjaMkdsjGaSwS4j0+CO9ZGnRAsjIThiO/Pr1qxRQBWv9Pt9StjBdiQxNncsczx7gRgg7SMj2PFMh0q0g+zbEkY2u7yTJM7lcjB5YnPHHPTtVyigCpDpVnbyRSRQ7WhMhQ7icFzlup7moH8PaY8UMZtyEhVkQLK6/KxyynB+ZSexyK0qKAM46DYG1itlWeOCFPLSOK6lRdvoQrDP45on0GwuLmOdkmjkii8lDBcyRbU/ugIwGP8K0aKAGogjjVF3EKABuYsfxJ5P1qlNYSXeqRTXLr9mtjvhiXPzSYxub6Z4H4+mL9FABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAf/2Q==)

1. Compare these two images to see how the | (OR) operation differs from the & (AND) operation. In the | (OR) illustration, you can see that if there is a value in InRas1 **or** InRas2 the output is a 1, and the rest are 0. In the & (AND) illustration, you see there needs to be a value in InRas1 **and** InRas2 for the output to be 1, otherwise the output is 0. Notice also that all NoData values stay as NoData in the output regardless of the operation you perform.[[34]](#footnote-34)

# Part F: Creating Distance Grids and Completing the Model

*Summary: Finish off your raster modeling by creating a distance grid – raster style – and combining everything together in the end with raster calculator.*

[*GTCM*](https://www.careeronestop.org/competencymodel/competency-models/geospatial-technology.aspx)*: 5.2.19.3, 4.1.11.2, 4.1.6.7, 4.1.5, 2.3.5, 2.3.1, 2.4.2.2*

[Link to Video Walkthrough](https://youtu.be/XKuoKxbABP0)

1. One final thing that’s important for Pine Marten[[35]](#footnote-35) habitat is being far away from cars, and therefore far away from roads. The safest habitat occurs greater than 1 km (1000 m) from a road, while areas less than 1 km from a road are dangerous and therefore poor habitat.
2. Add the line shapefile roads.shp to your Project.
3. Your initial instinct might be to do a buffer. And if we were in vector world, that’d be correct! But the model we’re building needs raster data, so let’s stay in Raster mode and try a distance calculation method that stays in that format: Euclidean Distance.
4. Under Spatial Analyst tools select Distance > Legacy > Euclidean Distance. Select roads under Input raster and save to your lab6 folder. **BEFORE YOU CLICK RUN**, make sure that your environments are set to be the same extents and cell size as dem250k.[[36]](#footnote-36)

![Graphical user interface, application

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAeAB4AAD/4T6eRXhpZgAATU0AKgAAAAgACAALAAIAAAAmAAAIegESAAMAAAABAAEAAAExAAIAAAAmAAAIoAEyAAIAAAAUAAAIxgE7AAIAAAATAAAI2odpAAQAAAABAAAI7pydAAEAAAAmAAARcuocAAcAAAgMAAAAbgAAEZgc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFdpbmRvd3MgUGhvdG8gRWRpdG9yIDEwLjAuMTAwMTEuMTYzODQAV2luZG93cyBQaG90byBFZGl0b3IgMTAuMC4xMDAxMS4xNjM4NAAyMDIwOjAzOjMxIDEwOjI4OjMwAFNvcGhpZSBBcmdldHNpbmdlcgAAAAaQAwACAAAAFAAAEUiQBAACAAAAFAAAEVySkQACAAAAAzExAACSkgACAAAAAzExAACgAQADAAAAAQABAADqHAAHAAAIDAAACTwAAAAAHOoAAAAIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAyMDIwOjAzOjMxIDEwOjI3OjQwADIwMjA6MDM6MzEgMTA6Mjc6NDAAAABTAG8AcABoAGkAZQAgAEEAcgBnAGUAdABzAGkAbgBnAGUAcgAAAAAGAQMAAwAAAAEABgAAARoABQAAAAEAABHmARsABQAAAAEAABHuASgAAwAAAAEAAgAAAgEABAAAAAEAABH2AgIABAAAAAEAACyfAAAAAAAAAGAAAAABAAAAYAAAAAH/2P/bAEMACAYGBwYFCAcHBwkJCAoMFA0MCwsMGRITDxQdGh8eHRocHCAkLicgIiwjHBwoNyksMDE0NDQfJzk9ODI8LjM0Mv/bAEMBCQkJDAsMGA0NGDIhHCEyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMv/AABEIAPsBAAMBIQACEQEDEQH/xAAfAAABBQEBAQEBAQAAAAAAAAAAAQIDBAUGBwgJCgv/xAC1EAACAQMDAgQDBQUEBAAAAX0BAgMABBEFEiExQQYTUWEHInEUMoGRoQgjQrHBFVLR8CQzYnKCCQoWFxgZGiUmJygpKjQ1Njc4OTpDREVGR0hJSlNUVVZXWFlaY2RlZmdoaWpzdHV2d3h5eoOEhYaHiImKkpOUlZaXmJmaoqOkpaanqKmqsrO0tba3uLm6wsPExcbHyMnK0tPU1dbX2Nna4eLj5OXm5+jp6vHy8/T19vf4+fr/xAAfAQADAQEBAQEBAQEBAAAAAAAAAQIDBAUGBwgJCgv/xAC1EQACAQIEBAMEBwUEBAABAncAAQIDEQQFITEGEkFRB2FxEyIygQgUQpGhscEJIzNS8BVictEKFiQ04SXxFxgZGiYnKCkqNTY3ODk6Q0RFRkdISUpTVFVWV1hZWmNkZWZnaGlqc3R1dnd4eXqCg4SFhoeIiYqSk5SVlpeYmZqio6Slpqeoqaqys7S1tre4ubrCw8TFxsfIycrS09TV1tfY2dri4+Tl5ufo6ery8/T19vf4+fr/2gAMAwEAAhEDEQA/APVPEjeIwLYeH443b5vO37eBxj7341z+/wCJH/Pva/nF/jXoYdYP2f729zzsQ8Yqj9lawb/iR/z72v5xf40b/iR/z72v5xf41tbLu7MObMeyDf8AEj/n3tfzi/xo3/Ej/n3tfzi/xotl3dhzZj2Qb/iR/wA+9r+cX+NG/wCJH/Pva/nF/jRbLu7DmzHsg3/Ej/n3tfzi/wAaN/xI/wCfe1/OL/Gi2Xd2HNmPZBv+JH/Pva/nF/jRv+JH/Pva/nF/jRbLu7DmzHsg3/Ej/n3tfzi/xo3/ABI/597X84v8aLZd3Yc2Y9kG/wCJH/Pva/nF/jRv+JH/AD72v5xf40Wy7uw5sx7IN/xI/wCfe1/OL/Gjf8SP+fe1/OL/ABotl3dhzZj2Qb/iR/z72v5xf40b/iR/z72v5xf40Wy7uw5sx7IN/wASP+fe1/OL/Gjf8SP+fe1/OL/Gi2Xd2HNmPZBv+JH/AD72v5xf40b/AIkf8+9r+cX+NFsu7sObMeyDf8SP+fe1/OL/ABo3/Ej/AJ97X84v8aLZd3Yc2Y9kG/4kf8+9r+cX+NG/4kf8+9r+cX+NFsu7sObMeyDf8SP+fa1/OL/Gjf8AEj/n2tfzj/xotl3dhzZj2Qb/AIkf8+1t+cf+NdF4abX2iuBr6RpKGHlCMrjb3+6fWscQsHyfum7m+HljHUSqpWNxP9b+FZr6o5hnuJLu0srdZngje4GdzKSCT8wHUHj0HX04oRT1Z3Tk1ZImk1q2in8ohyqyJE8wA2I7Y2qec5OV6Aj5hmiPWIJZYlEcwimYpDOVGyRgCcDnPY4JABxwTxmvZStcj28b2GWeuwXgt3W3uI4rhS0MjoArkDJHXIOAeoGcHFLHrcU0FvJDa3DtcJvhjCqGdMA7uTgD5h1I/lkdFoSxCe39bf5jhrUEqQ/Z4Z55pVZvJRQHUKcNu3EAYPHXr0zQdathLtKyLGGMZmKjYHAJK9c5GD2xkYznij2Mth+3S1GDXIWgt5Vtrgm6bFuny7pRt3ZHOAMAnkj6Uz+2Y4Lq5jb7TM/2lYFiEa/KxjDhR7e56E+lNUXewnX0T6Ei63BLHH5EM8s7s6+QqjepQ4fOTtGDgde4xmrlleR39qtxEHCMSMOu05BIPHbkVMqbirsqNVSlYsUVma6hRQAUUAFFABRQAUUAFFADXYrGzKhdgMhRjn2rO0jVzq3nH7BdWyxOUJnCjLDqAAT0oAoeKTe/Z9tmt2HMTKjwSFB5jMgXOCPf863oCxtoi6srlBlW5I45zQBzmnX95LqNvDPcSfYN7fZrkxgG6OOA3oMZIOBuxn69C3+uP+6P60AKn+t/4D/Wsu70WeW2vLW1vFhtrsP5iSRGQqWzuKHcMZznnPNXCSi9SJwcth0ehrDqDXEbwmORld1kgDOGAA+V+wOBxg98Yoh0Z4vs8Rud1patvhiEeGBAIAZs8gZOOB2znvp7a7uZxo8ui/pFPQ9Juv7M00Xs2Ft4sxwmLayuVK/Mc84BPAA685IzV8aTJDFZfZrkJPaw+QHePcrqQucrkf3QeDTnVXM0lp/w/wDmRTovkTb1/wCG/wAhi6LJbuk9pdhLna6yPLFvWTcxcnaCuDuJxg98c0Q6J9mu5ZYnt9sjtL89sDIrt1+bPTJzjH40nVvuUqLWiZCfD7m0mg820Amk3sotP3aHGMou/wCVu+cnk9Kmj0JY7vzxcsx+0pcfMuT8sXl4Jz+OaPb9BfV9ivLpx06UXEFxKJ2lmcEWrSrtkYMVIXnqBg5HSr+i281tpUUdxu80s7sGxu+Zi3OOM884pTmpQ8xwg41PLf7zQorE6AooAKKACigAooAKKACigAooAQqD1APOeRS0AFQt/rj/ALo/maABP9b/AMB/rU1ABRQAUUAFFABRQAUUAFFABRQAUUAFFABRQAUUAFFABRQAUUAFQt/rj/uj+ZoAE/1p/wB3+tQXd80UnkQRrJMF3sXbaka56sfwOBjt260ARR6hNH5b3KQm2l2hLiCTcoJ6ZBHQ8cjPXtWlQAUUAFFABRQBBDe21xI0cM8cjqxVgjA4IOCPwNT0AV5763tplhlciRonlChCxKpjceB/tD35pZ7uC2tTczOUhGMsVPcgDjGe9AE9FABVWLUrKeRI4rqF3cEoquCWA649aAJoZlniEiZ2kkcgjpx3pY5Y5lLRurqGK5U5GQcEfgQaAH0UAFFABRQAUUAFV7y5NtGoSMyzSNsjjBxuOM8nsAOSf59KAKIvb0Xstqr201xFGsrwCNk4Yno5JGeD2/KrcNwl0qzR52sg4YYIOTkEdiDxQBKn+tP+7/WsHWbOa7h1OwimMc91tlh6fvFUKGTke3/jw7ZoAQWV3bWEiz6nd3El1AYYraVEBV27/KO3PtjJrpfagAooAKKACigDldPE66fqloBepcyTXhiQwMqfM7lSH245yCPmpLm4u724me3h1Bbf7JCHzFJE3+t/eBQQDu2Z6c+nNHb+ugf1+I7UYnlnSawt7pUXTrtVPlOrBz5e0cgEE4OPXHFQarDPNDexT297LcO9v9m8tHKhBszyPlHzb855I9eKBD4I9WXVbiaWZ2eKeaRYFtJR5qYIRPNL7MY2ngDBHrmqarqdwbxVW6SGQWhRY4Zotn747xljksFxuYYz6ChbjOl0qGWC91OIiUW/nqYA+SMGNc7Se27P45rJt4pbzRdJsYobiK5t5oZJHlgeMRhGy3LAZyAV4z970oAaovo5dPkK3M7DKyWzxSdDIcOJB8qsOpDdQMcZ5jCT21kbGKylQvc3BeZreWRUzISvyqQW3K3BzgY5OeCdA6kcVrqVxaXUs63wnXRYDESXBE4EhbA/v5C5781of6Z52pZjuP7RYubJ3RjEo8v5OR8qjOcg9/woegLYf4ahu1LSXFy7/uURomtJYcMM5Yl3bc3qR6V0NNgFFIAooAKy9VTZLb3bSSRxIrxSPH1jDgfP36EfhnPagDAXS/I127uX1nUUtvs0ZW5EqkyHc3y524PbgevvXR2CusAMiGNnLSbG6gM7MAffBoAtJ/rT/u/1pbi2huovKuI1kTIOGHQ+v1oAjt7C1tXZ4oQHYYLsSzY9MnmrNABRQAUUAFFABRgelABRQAUdKACiiwBRgfWgAooAMUUAFFABRQAUUAVo9OsoZzPFZ28cx6yJGA3509v9af8AdH8zQAJ/rT/u/wBamoAKKACigAooAKKACigAooAKKACigAooAKKACigAooAKKACigAqFv9d/wEfzNAAn+tP+7/WsvXNSurK4t4bXrLDM4AgaUllC7RhecZPNJgivN4qjswUubdjKkDySiJgwR0jDsh9Dg/yzjIqxP4ijtrq3t5oGEkpVWRXDNEWDEbscDO0jr1zjIGapgivD4qSWKKU2E6RyQwTbt6nCTPsXjPXPb0/Km3Hiljp95c2ljOyxRTSRyyoRGxjOMEj15I55AOcGiwFw68P7QNmllcStHIkU0kSFljZl3cnGMAFcn3qKHxLHImnPJavAt+oaJpnCg5IwM9NxySFzkgevFLzA3GOEYjsKxdP1eebTbCZ43mnuwowIzEqEoWJy3VeOozQA9dfgljULHIszrGyxnG7ayls+nAV/++T6io7XXd1pGfKll+SAeY5UGR5AMcDjvk9AO2aOoD5dfEPmqbOQvDHJJNhlwoTGcHuSGBH64oOv/wCmC3SylYtcNbo24AFlTeSfQYzz6jpQBHH4ngnBaG1uXjVFZ3EZIQmPzME9OhAPPVhSjXpZbiCCO02SO0TMsjjhJFYg5HfKEH+tMRe0zUl1KF3WMxMhAaNyN6H0Zf4T7VepDCigAooAKKACigAooAKzr67mVpY7bJ8pcuVXc2T0VR0z9farppOWpnUbUdNyGyvrgSFLg7gsgictjKsQCOQACOQOlaLf67/gI/madWKT0FSk5LUE/wBaf93+tUNR1HTLG+gkuxN9oRG8to7eSTAbr90Edh1qYxcnZIuc1CN2Y8t34Wnnmmlgu2eUOH/0S5wdy7W424BI4JFPm1DwzPeC7kiuzMCpyLS5AyoIBwFxkAkZxWn1adrWMPrlLcVdR8MrCsSw3QjWOKIL9iuOFjO5B93saQah4aUXCiK82XCsskZtLkoQ33sLt2jPfAFP6vPsH1ukOXVPDqXK3C/2gJQFBP2e6O/HQuNvzkerZNCX3hyZrOBY7wrBsSGM21yEG0jbkbcHBxy3Sl9XqLVIFiqTdtTpyARg9DVO00q0skjSFZNsZBjDzO4TAK8bicDBPArFnSOXTbNWjYQLuijMSHJyEPUf5/xpP7KshbNbiHETKqkBiMbQAuDnIIwMEc96OoAulWSQtEIcq0bRtuYksrfeySckn1PNOXTbRZFkEI3pK0qnJ4cqVJ/ImgCJdGsEYFICmI/KKrIwDKF2jIBwSBxk8059JspG3mIh9sa71dlYBM7cEHjG5vrk5oAfZ2FvYqwgVxvI3F5GcnHQZYk4HYdqtUAFFABRQAUUAFFABRQAVn3EclvcSzxRtIkgG8J95WHGcdxj+XSrg7MzqJuOhU063kktreIwPEiMJJGkBBZgc98E89SRWq3+u/4CP5mqqyTehNGLUdQT/Wn/AHf61NWRsFFABRTuAUUgCigAooAKKACigAooAKKACigAooAKKACigAooAKhb/Xf8BH8zQAJ/rT/u/wBamoAZ5iGVogwMiqGK55AJIB/Q/lT6AGvIkYBdlUEhRk45Pb606gBCQqkkgADJJ7UKwZQykEEZBBzQAtFAEcM8VwHMTq4RyjFTnBHBH4Gnsyou5iAOmScUALRQAUUAFFADVkR2dVYFkOGA7HAP8jQsiOWCsrFDhgDnB64P50AOooAKKACigAooAKKACoW/1v8AwEfzNAAn+tP+7/WpqAMe/wBOnudT80KTCfIDYfGQrOWB9R8w4781lwWV/wDbzAYpS8a2+2Yy/LEFkYngnnKgDjOehwKSBj10zUHtYorm1Mv2YWy4aVW80pISzLk91I64Pb639TsryW7ubi3jWTNvFHGrN33sXwMgZ2kYzweh4zT6gUYtKv2aBZIWZSsqv9odWVELSFcBTw3Kg4BXHHGBTY9Jv/MJKXMQ8gLCI5YwsWIypVup5bJ+U45GcYoewdTSubG4SwsI4YzLHA4a4gDjMw2kYyTg/MQ3J5xTtK0+e3m824zkQhIwZC2z53O33wpQZ74oe4LYy/7Eu440jCTLGZrlits8alS8pZHO7/ZxyOR75NOk0zUJb25lltt8R58vem2QrKGXaM9dmRlj1JHAxQgfUZNpeqzSiHy3WBZJWL+cBuV7iOQAYOeEDD9BxWhp2n3Nvq08s5n27nKMrp5RQkbVxjdwAB6cHHWgGVxY3qzyu9o81uLkv5TOu+QEN33YZQSMBtpx/ujKpZapGq2/ls6sI2Mvn/dwhBXk5Jzj2PXPagBJNMvUhaGFGEz2ixwXPmg/Z5AGyxyc5JIOQDnv0qe0sLqPRbyFPtEc8oIRZ5U4O0D5SnQEjr1zyetAFG50y/kguVgsWhjuJSyx+Ym9P3aqDnJVBuBzt3EdQMnh02l33l3saWoJubhZGkRkDMPJC5yTwQ45ODwcjJ6NbgdBYrNHYW6XBJmWJRIScktjnnvzVikAUUAFFABRQAUUAFQt/rv+Aj+ZoAE/1p/3f61NQBVhtLaee6ea3ikYSgZdATjYvrU39maf0+xW3/fpf8KAGyWGmxRNI1lbBVBJPkr0H4UkVjps0SyJZWxV1DKfJXofwoAf/Zmn/wDPjbf9+l/wo/szT/8Anxtv+/S/4UAH9maf/wA+Nt/36X/Cj+zNP/58bb/v0v8AhQAf2Zp//Pjbf9+l/wAKP7M0/wD58bb/AL9L/hQAf2Zp/wDz423/AH6X/Cj+zNP/AOfG2/79L/hQAf2Zp/8Az423/fpf8KP7M0//AJ8bb/v0v+FAB/Zmn/8APjbf9+l/wo/szT/+fG2/79L/AIUAH9maf/z423/fpf8ACj+zNP8A+fG2/wC/S/4UAH9maf8A8+Nt/wB+l/wo/szT/wDnxtv+/S/4UAH9maf/AM+Nt/36X/Cj+zNPH/Ljbf8Afpf8KAIDbW9vqcHkQxRBoZN3loBnDJjpSy3LrK4DQoqnH7xsFuAfw6+9ZVZuC0KirjItSiknWLdES2cbHzz+X+cVdpUK6qxuugSjysp6lfrp1lJOUMrgHZEp5c+gpNKubm706K4u7f7PLIM+UeqjtmrU05OK6Ct7ty7ULf67/gI/masQJ/rT/u/1qagDOu7FtQtby2XZzdROQ/QhfLYj8gaoyaBe+Y/kG0jKvNLHccl3LqwWNl242ruHc8IOBQBWXw1qISVnjsZPNaUC3eVjGgdIxuB2DLAo3GBkMeRWrpel3NlfSSSLAIjEi5RtzMwABP3RtHHTJB4PHOQTNqigYUUAFFABRQAUUAFFABRQAUUAFUdW0mx1zTJ9O1K2S4tJ12vG3f8AqD7igCCGyttOuLGztIEgt4baRI40GAoBjqnqGk3V5dtIkkQjONoYnI4A9PauPHYedenyRZpTmou7DTtHmtLxZpXjIUHAUnr+Va00qwQtKwJCjOFUkn6AdaMFhpYak4yYTkpyKNvYSSXbXV6Qzg/u0HRRVm+sLXUrY295Cs0RIba3qORV4ak4Rbl8T1Ypu7LAAVQoAAHAAHAqJv8AXf8AAR/M10kAn+tP+7/WpqAIWtoi7PmRWc5bbKy5OAOgP0o+yx/35/8Av+/+NACfZY/78/8A3/f/ABpfssf9+f8A7/v/AI0AH2VP78//AH/f/Gj7Kn9+f/v+/wDjQAfZU/vz/wDf9/8AGk+yx/35/wDv+/8AjQAv2VP78/8A3/f/ABpPs0f9+f8A7/v/AI0AL9lT+/P/AN/3/wAaPssf9+f/AL/v/jQAfZY/78//AH/f/Gj7Kn9+f/v+/wDjQAfZU/vz/wDf9/8AGj7Kn9+f/v8Av/jQAfZU/vz/APf9/wDGj7Kn9+f/AL/v/jQAfZU/vz/9/wB/8aPsqf35/wDv+/8AjQAfZU/vz/8Af9/8aPsqf35/+/7/AONAAltGkolG8uFKgvIzYBxnqfYVNQAUUAFFABULf67/AICP5mgAT/Wn/d/rU1AGFqUFvLqkzajA00C26m2wjNtfLbiuBw/3cHr6d6oPc6z9khs5JblLpm2yvFEDgC2ySGwR/rOM+vFAD4LzUPtohjvrmcxSQII2hXDqyguzMFGCOSMEe+cgUJdale3NqHuby3ijjtjKUhChnYSbwdynuEBx0z2oBFzU3uX1FIxNPGiS25WFIQyygyDcS2CeMdiMY5zms6R9T+yPFHJcW4a2l2pbQqpEmXOSNnfAwVOcnpzmhdA6i3moaxb3rR2j3E0IgdN8kaklxEXVwFjHVsDJbBORt71NHdaqL9rO4ublLeORsXiwKWf5I2C/d24JZxkD+ADOc5EK5Z0O41W4u7l74osRJCxZOYyGIxjy14x/tNnqOOtCK81hU0xmmuXklMck6vGqrh2AKgCMn5QCeq4zkk9ADF87WC8cpubx5Y5pP3aogil+QlV+4DtyMc8gkjJ4NT6XLrVwbYXNziOSQszIuSFCg7TujTaM8dCcZGc9ADpaKACigAooAKKACigAooAKKACigAqFv9d/wEfzNAAn+tP+7/WpqAK8Qea4uAZ3QI4VQoX+6D3HvTlEbuUS+ZmBIIBTORjPbtkfmKAFW0RZJGSdw7EFyFTJ4wM/L6Cn/Zj/AM/Mv5L/APE0AH2c/wDPzN+S/wDxNMEal2jW8cumNyjZkZ6Z4oAf9mb/AJ+ZfyX/AOJo+yt/z8y/kn/xNAB9lb/n5m/Jf/iaPsz/APPzN+S//E0AH2Vv+fmX8k/+Jo+yt/z8zfkv/wATQAv2Zv8An5m/Jf8A4mj7M3/PzN+S/wDxNAB9mb/n5m/Jf/iaPszf8/M35L/8TQAfZm/5+ZvyX/4mj7M3/PzN+S//ABNAB9mb/n5m/Jf/AImj7M3/AD8zfkv/AMTQAfZm/wCfmb8l/wDiaPszf8/M35L/APE0AH2Zv+fmb8l/+Jo+zN/z8zfkv/xNAB9mb/n5m/Jf/iaRrZgpP2mbp6L/APE0AV7adjptvPKSzNGhYqOpIH9TUn2j+9DMv/Ac/wAs1lOryvVDSuSIwdFdejDIqNv9d/wEfzNaRakroWwJ/rT/ALv9ampgZd3HdSwXy2ZbzRPGxCPtZkAQsoPGCVBAOR161QhstRS2nKw3kQd5XEaTq0nLR7ckvgnAb+LgZAPTKBlvT457O5ea9gnDTQRhmRmlUMMgrjJOe+eRz1NQi11FCJnjvJ42nnJhjuij4LfuyMsMALnIyOo44pgvMpyWvic+VCJCsyQbGuhKPLZvII3FS3XzcHhOmPepBZ6kss08NlexGSSLaklyGJCqwO8iTO3nsSehweRRsLodYOtLQMKKACigAooAKKACigAooAKKACigApr/AHG+lAGQpl/sC38hC8ohjKgde1Y0ltqk4xKk7gHIDHNeLmNOvOaVO9vI6KLilqdBpsBt9PijYENjLA9ialb/AF3/AAEfzNerQi40oxe9kYSd2wT/AFp/3f61NWoiv5M6TSvFMirIQxDR7sHAHr7U7F7/AM/EP/fk/wDxVABi9/5+If8Avyf/AIqjF7/z8Q/9+T/8VQAYvf8An4h/78n/AOKoxe/8/EP/AH5P/wAVQAYvf+fiH/vyf/iqMXv/AD8Q/wDfk/8AxVABi9/5+Iv+/J/+Koxe/wDPxD/35P8A8VQAYvf+fiH/AL8n/wCKoxe/8/EP/fk//FUAGL3/AJ+Yf+/J/wDiqMXv/PxD/wB+T/8AFUAGL3/n4i/78n/4qjF7/wA/EP8A35P/AMVQAYvf+fmH/v0f/iqMXv8Az8Q/9+T/APFUAGL3/n4h/wC/J/8AiqMXv/PxD/35P/xVABi9/wCfiH/vyf8A4qjF7/z8Q/8Afk//ABVABi9/5+If+/J/+Koxe/8APxD/AN+T/wDFUAGL3/n4h/78n/4qkIvCMG4i/wC/J/8AiqAHwRCC2ihByI0CA464GKkoAKhb/Xf8BH8zQAJ/rT/u/wBamoAybvUbi21VoY0WVWSFURm2gMzSAnOCeiioI/EMjnJs02KIfMIm5BkcphRt5wR6jNJbAMbX55rW1ktreNXmFs7B5OiyOVI6dRjr7+1XLzVmtLyWExR7I4o3LtIQSzsyqoAUk5IH59KfUCt/b07ouLWOMuJFV5JGCmRS42j5OvyZ5x1702PxBOUbNkHMKKZmV2wCY9/Hy4xyByQevBxR0AuyanJHb2BNun2i9k2Inmnap2s/LbfRT26/nRYanLfTsn2dEVEy7eZn5t7pgDHIyh546jijqBm2Wt3oSQSQfaZnmuCqIxAVElKADCcnjv8AmM4E8+vTfaXt4IIiwYFHZ2AZfNVGzlfftkdfxEDGTeJXiEYFmrSO8qBTLgfJOkPp3356cYq5YarLe3TxfZCsaM8bSBiQGU4PVQME5xgn6UAyvHrE8Ic3EcRj82dEfzDu+RmwCoXpgYyMnpxzSDX5jDM4s0zCkzyAykD93jgZXPO4dQMc9aXQB76xNFcywfZw1wZAgTeSo/dhjghM9+4qzFqbtbXlxLbeXHbLkruy5IQMRjHHXHWmBQGtXUV5Mk8cO5kh8mFZSwYsJGPIQnomehGB1pYdenlJkFvF5ckULwKXbcS4JIO1D2B/L8gDXsbkXtjBchdnmxh9uc4yKsUPRgtUFFABRQAUUAFFABULf67/AICP5mgAT/Wn/d/rU1AFYQi4uJX2Qho3VQzR7jwAw5z23HH1NQrocK3pu9lsZsKEJgH7vGfu88ZyaQD/AOxbcCUC2scSndIPsww5ByCeeTmpJdOFwHEy20nmKEffBu3KDkA5PIpgMj0eCJ43jt7JHjBVGW2AKg5yBzx1P50g0W3VkZbaxVkTYpFsAVU5yo54HJ496AJZtPFxB5E620sPH7t4Ny8dOCadHZNCMRGBAFC4WHHA6Dr0GTR1Ahk0iGUIJILN9jmRN1sDtYnJI54JPOaT+xrfdKfs1iTNnzT9mHz55Oeec4FAB/Y1sJmm+zWXmNjc/wBmG44II5z6qp/AVImmrHcvcolqtw4w0qwYYj0JznHAoAZ/Y9v5ksn2ey3zKVlb7MMuD1BOeQfenJpccURijitEjKldq2+Bg4yMZ6HA/IUAJPpUVyrLcRWkqswZhJbhgSBgE5PXFSpaOgYI0ChjkhYcZ/X0FAFZdBs1jMa2eniMkMVFoMEjODjPbJ/OlfRbeVVWS3snVUVAGtgcKvQdeg7DtQBajtZIo1jjeFEUYVViwB+Gad5M/wDz2j/79n/4qgA8mf8A57R/9+z/APFUeTP/AM9o/wDv2f8A4qgCIvLHdxwuyMHRnyFIxtKj1/2v0pzTwodrSKpHUE9KmUlFXY0hVljc4SRWPoGBp9NNNXQhGYKpZiAAMkk1HBcQ3UfmQSK6ZxkUXDoS1C3+u/4CP5mmAJ/rT/u/1qagCO0/1t3/ANdh/wCgLVugAooAKKACigAooAKKACigAooAKKACigArO1v+2BpU50JrP+0AuYVvEZo2PodpBGfXtQBBai/ElgNTe3e9+zSeabZCke7cn3QxJx9TVLUNUltLyWKELkkFiRn+EVw5hWdGnzLc0pRuyLTLu6utSQNINoBJwgHH+cV0dRllSdSk5TfUdVWaSMS8J1wyWMfFmRtmf+8PQVYexuNN0eO00NbZHiwFFwGZSvfOCDnvW+GnKo5VHs3p8iZpJWNJN2xd5BbHJAwCaib/AF3/AAEfzNdRAJ/rT/u/1qagCKLzIZJyEDLI4YHdj+ED+lS+fJ/zx/8AHqADz5P+eP8A49R58n/PH/x6gA8+T/nj/wCPUefJ/wA8f/HqADz5P+eP/j1Hnyf88f8Ax6gA8+T/AJ4/+PUefJ/zx/8AHqADz5P+eP8A49R58n/PH/x6gA8+T/nj/wCPUefJ/wA8f/HqADz3/wCeX/j1Hnv/AM8v/HqADz3/AOeX/j1Hnv8A88v/AB6gA89/+eX/AI9R57/88v8Ax6gA89/+eX/j1Hnv/wA8v/HqAIWEkl7FMUCqkbqfm6klT/7KalxSaTVmGvQOPamyx+bE0e9k3DGVODQlHZId31FRFjGFAAJycdzTqIpJWQN3YVC3+u/4CP5mmIE/1p/3f61NQBB9st/txsvNH2kR+b5ffZnGfzH+c0Wl5b31stxbSCSFiQrgHBwSD+oNAEjSKjxqQ2XbaMKSOhPJHQcdT9KfQAUUAQG8gFy1vuYyrt3KqMcbs4JIGAPlPNSGWMSrEZF8xgWCZ5IGMnHpyPzHrQA/NFABRQAUUAV5Ikmv4UkUMvlSHB9cpU32C1/54J+VAB9gtf8Angn5UfYLX/ngn5UAH2C1/wCeCflR9gtf+eCflQAfYLX/AJ4J+VH2C1/54J+VAB9gtf8Angn5UfYLX/ngn5UAH2C1/wCeCflR9gtf+eCflQAfYLX/AJ4J+VH2C1/54J+VAERgigvI/LjVcxvnHflaVv8AXf8AAR/M0ACf60/7v9amoAxtT0m4ur1rq3eNJPLSIMSQQpLh+g9GBHuozVA+HbsS2gj+yiK1m3xgABlBmLsuShOCmBhSvfORQtg6joPD13HBKpeD5nYoAxxGhjdVjHH3VLcdOp4HdyeF44gxhito3yNrKvKgxbX7dzyfXvQgJG0OW8mj/tCG0eJSN0RYupxGV5yozyc//XqWy0aWytbuKFo4TPbou6LP+t2kM59Sfl56nFHUCrb+HpYbnzY7eztk3RkxwO2CVWQMc7RyS45+tRx+GZoXidLfT90dtNApKDgOVIzhME/eB4H3uhyaYgj8MSixeBvsxaMTG3HGInZlKsAqgAgg8gDGfc0+68OzXMTAJbB3uDJPKMbrlCWwr7kI4yOCCPlxxxSGb1jbm0sYLfJPloF5bJ/PA/kKsUAFFAEP/MTg/wCuMn80q7QAUUAFFABRQAUUAFFABRQBVm/4/Yf+ub/zWmN/rv8AgI/maABP9af93+tTUAGQKMigAooAKKACigAooAKKACigCN4VkkVyXDKCAVYjg4z0+go8n/ppL/38NAB5I/56S/8Afw0eSP8AnpL/AN/DQAeSP+ekv/fw0eSP+ekv/fw0AHkj/npL/wB/DR5I/wCekv8A38NAB5I/56S/9/DR5I/56S/9/DQAeSP+ekv/AH8NHk/9NJf+/hoAPJ/6aS/9/DR5P/TSX/v4aABYVWQPucsAQNzk9cf4Cmt/rv8AgI/maABP9af93+tTUAYWovAuqTDUJXSE2wFsFZhlstv246v9zGOfTvVA6rqYggspmMd652yBE+ZR9m3kjHH+sGM/UCgOpLDrFw14IIb1ZyHgWOLYCZVYDexI9Bk5HTHOcikh1e4vLi23XRiijW2aZkAUeY4k3qSQe4UY7HjrTEti7qWp3Ntc3SwsDLFb+ZbWu3m5bDEgHv0AwOnfqKzHvL65hLvcRyjyLjY1s5I/1aHBO1eQScccdOoNJDZtaneyW19aRI42SZBRcbieMHB6qOc45GQemayf7ZnWLbbXCGaGzV3tnA++UBAVQNxAHzHr2HrhB1NvSZ5rizMk00E3zkI8L7wV46naATnPQVfqmJBRSGFFABRQAUUAFFABRQAUUAFFABRQAVC3+u/4CP5mgAT/AFp/3f61NQBUVJp7m4xdyxLG4UKipj7oPcH1py2zvu2anM207WwIzg+n3aAETTWiklkS9nV5CC7BY8tgYGfl9KgMtsrXCnXMNbDdOC8WYh1y3y/L+NACJPayLbsmvBluSVgZXhIlI6hfl+b8Ksx27SqGj1OZ1PQqIyD/AOO0AP8AsM3/AEELj/vmP/4mj7DN/wBBC4/75j/+JoAPsM3/AEELj/vmP/4mj7DN/wBBC4/75j/+JoAPsM3/AEELj/vmP/4mj7DN/wBBC4/75j/+JoAPsM3/AEELj/vmP/4mj7DN/wBBC4/75j/+JoAPsM3/AEELj/vmP/4mj7DN/wBBC4/75j/+JoAPsM3/AEELj/vmP/4mj7DN/wBBC4/75j/+JoAPsM3/AEELj/vmP/4mj7DN/wBBC4/75j/+JoAPsM3/AEELj/vmP/4mj7DN/wBBC4/75j/+JoAPsM3/AEELj/vmP/4mj7DN/wBBC4/75j/+JoAPsM3/AEELj/vmP/4mkNlMFJ/tC44/2Y//AImgBttOTp0E8rEs8aliBkkkDsPeni5XHzRyr7FCf5ZrKdVRdmNRuSqwdAynKkZFRN/rv+Aj+ZrRNNXQgT/Wn/d/rU1MDLu47qW3vksy3mGeLcEbaxTCbwp7EruAPHPcVk/2Vq4UJbtc28PnyyAtIXkz8uwkiVd3APDFh6g0LcHsTXelaozyyQzXnmNHcuALtgvmBwYON2ANpPHQ/wAWauSW015cXEl1YzpGqtDEkZQEqXBL53dTtBxxge5o6AV3sNSneVpoXZ5kVEkLJuiCzMwLYPXaVPHdateH7S/tI5I71HDDAjIcFAmSQNoPDdcnvxz2ADN2igAooAKKACigAooAKKACigAooAKKACmv9xvpQBkAyL4ft2iRnkWKMqqjJzxWI66pJw63Z/4C1eNmKxEqijSTt5HRS5banRabE0OnxK+7eRkhuoz2qVv9d/wEfzNepQTjSin2RjL4mCf60/7v9amrUkreTcRzyvDPEqyMGIeItjgDruHpTv8ATv8An4t/+/B/+LoAX/Tv+fi3/wC/B/8Ai6P9O/5+Lf8A78H/AOLoAT/Tv+fiD/vwf/i6P9O/5+IP+/B/+LoAX/Tv+fi3/wC/B/8Ai6P9O/5+Lf8A78H/AOLoAP8ATv8An4t/+/B/+Lo/07/n4t/+/B/+LoAP9O/5+Lf/AL8H/wCLo/07/n4t/wDvwf8A4ugA/wBO/wCfi3/78H/4uj/Tv+fi3/78H/4ugA/07/n4t/8Avwf/AIuj/Tv+fi3/AO/B/wDi6AD/AE7/AJ+Lf/vwf/i6P9O/5+Lf/vwf/i6AD/Tv+fi3/wC/B/8Ai6P9O/5+Lf8A78H/AOLoAP8ATv8An4t/+/B/+Lo/07/n4t/+/B/+LoAP9O/5+Lf/AL8H/wCLo/07/n4t/wDvwf8A4ugA/wBO/wCfi3/78H/4ukIvSMfaIP8Avwf/AIqgB1tD9ntYYd27y0CZxjOBipaACoW/13/AR/M0ACf60/7v9amoA4vxRr2pad4r0mytLny7e4KeamxTuy+DyRkceldNZXEs17fxu2VikRUGBwDGpP6k0dAL/wDFj/PWkPb/AD6UAA6/jisZL65MeuEyc2rkQ/KPlHlK348k9aGCL9lK8un2srtl3iVmOOpK5pttPJJqF/E7ZSKVVQYHAKKT+pND3AtZP6iq+nSvPYRSSNuc5yce5oAtUUAFFABRQAUUAFFABRQAUUAFFABRQAVC3+u/4CP5mgD/2QD/4TNtaHR0cDovL25zLmFkb2JlLmNvbS94YXAvMS4wLwA8P3hwYWNrZXQgYmVnaW49J++7vycgaWQ9J1c1TTBNcENlaGlIenJlU3pOVGN6a2M5ZCc/Pg0KPHg6eG1wbWV0YSB4bWxuczp4PSJhZG9iZTpuczptZXRhLyI+PHJkZjpSREYgeG1sbnM6cmRmPSJodHRwOi8vd3d3LnczLm9yZy8xOTk5LzAyLzIyLXJkZi1zeW50YXgtbnMjIj48cmRmOkRlc2NyaXB0aW9uIHJkZjphYm91dD0idXVpZDpmYWY1YmRkNS1iYTNkLTExZGEtYWQzMS1kMzNkNzUxODJmMWIiIHhtbG5zOmRjPSJodHRwOi8vcHVybC5vcmcvZGMvZWxlbWVudHMvMS4xLyIvPjxyZGY6RGVzY3JpcHRpb24gcmRmOmFib3V0PSJ1dWlkOmZhZjViZGQ1LWJhM2QtMTFkYS1hZDMxLWQzM2Q3NTE4MmYxYiIgeG1sbnM6eG1wPSJodHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLjAvIj48eG1wOkNyZWF0ZURhdGU+MjAyMC0wMy0zMVQxMDoyNzo0MC4xMTQ8L3htcDpDcmVhdGVEYXRlPjx4bXA6Q3JlYXRvclRvb2w+V2luZG93cyBQaG90byBFZGl0b3IgMTAuMC4xMDAxMS4xNjM4NDwveG1wOkNyZWF0b3JUb29sPjwvcmRmOkRlc2NyaXB0aW9uPjxyZGY6RGVzY3JpcHRpb24gcmRmOmFib3V0PSJ1dWlkOmZhZjViZGQ1LWJhM2QtMTFkYS1hZDMxLWQzM2Q3NTE4MmYxYiIgeG1sbnM6ZGM9Imh0dHA6Ly9wdXJsLm9yZy9kYy9lbGVtZW50cy8xLjEvIj48ZGM6Y3JlYXRvcj48cmRmOlNlcSB4bWxuczpyZGY9Imh0dHA6Ly93d3cudzMub3JnLzE5OTkvMDIvMjItcmRmLXN5bnRheC1ucyMiPjxyZGY6bGk+U29waGllIEFyZ2V0c2luZ2VyPC9yZGY6bGk+PC9yZGY6U2VxPg0KCQkJPC9kYzpjcmVhdG9yPjwvcmRmOkRlc2NyaXB0aW9uPjwvcmRmOlJERj48L3g6eG1wbWV0YT4NCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIDw/eHBhY2tldCBlbmQ9J3cnPz7/2wBDAAMCAgMCAgMDAwMEAwMEBQgFBQQEBQoHBwYIDAoMDAsKCwsNDhIQDQ4RDgsLEBYQERMUFRUVDA8XGBYUGBIUFRT/2wBDAQMEBAUEBQkFBQkUDQsNFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBT/wAARCAGLAZMDASIAAhEBAxEB/8QAHwAAAQUBAQEBAQEAAAAAAAAAAAECAwQFBgcICQoL/8QAtRAAAgEDAwIEAwUFBAQAAAF9AQIDAAQRBRIhMUEGE1FhByJxFDKBkaEII0KxwRVS0fAkM2JyggkKFhcYGRolJicoKSo0NTY3ODk6Q0RFRkdISUpTVFVWV1hZWmNkZWZnaGlqc3R1dnd4eXqDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uHi4+Tl5ufo6erx8vP09fb3+Pn6/8QAHwEAAwEBAQEBAQEBAQAAAAAAAAECAwQFBgcICQoL/8QAtREAAgECBAQDBAcFBAQAAQJ3AAECAxEEBSExBhJBUQdhcRMiMoEIFEKRobHBCSMzUvAVYnLRChYkNOEl8RcYGRomJygpKjU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6goOEhYaHiImKkpOUlZaXmJmaoqOkpaanqKmqsrO0tba3uLm6wsPExcbHyMnK0tPU1dbX2Nna4uPk5ebn6Onq8vP09fb3+Pn6/9oADAMBAAIRAxEAPwD9DviJ4ofwT4F13X44FuX02zkuhCxID7FLYyOnSvlH/h4NfNz/AMIVbcnJH9pNkf8AkM/zr6/8QWNvqWlyWd3BHd2tw8cM1vMoZJUZ1VkYEEEEEjmsr/hSPw8bkeBfDW30/si39BzwvpgfhXt5dicBQTWMoc79bHgZlhsxryi8FX5F6XPlT/h4Nff9CVb/APgyb/43R/w8Gvv+hKt//Bk3/wAbr6r/AOFH/Dz/AKEXw1/4Kbf/AOJo/wCFH/Dz/oRPDf8A4Kbf/wCJr1/r+Sf9Ab/8Cf8AmeP/AGfn/wD0GL7l/kfKn/Dwa+/6Eq3/APBk3/xuj/h4Nff9CVb/APgyb/43X1X/AMKP+Hn/AEInhv8A8FNv/wDE0f8ACj/h5/0Inhv/AMFNv/8AE0fX8k/6A3/4E/8AMP7Pz/8A6DF9y/yPlT/h4Nff9CVb/wDgyb/43R/w8Gvv+hKt/wDwZN/8br6r/wCFH/Dz/oRPDf8A4Kbf/wCJo/4Uf8PP+hE8N/8Agpt//iaPr+Sf9Ab/APAn/mH9n5//ANBi+5f5Hyp/w8Gvv+hKt/8AwZN/8bo/4eDX3/QlW/8A4Mm/+N19V/8ACj/h5/0Inhv/AMFNv/8AE0f8KP8Ah5/0Inhv/wAFNv8A/E0fX8k/6A3/AOBP/MP7Pz//AKDF9y/yPlT/AIeDX3/QlW//AIMm/wDjdH/Dwa+/6Eq3/wDBk3/xuvqv/hR/w8/6ETw3/wCCm3/+Jo/4Uf8ADz/oRPDf/gpt/wD4mj6/kn/QG/8AwJ/5j/s7P/8AoMX3L/I+VP8Ah4Nff9CVb/8Agyb/AON0f8PBr7/oSrf/AMGTf/G6+q/+FH/Dz/oRPDf/AIKbf/4mj/hR/wAPP+hE8N/+Cm3/APiaPr+Sf9Ab/wDAn/mH9nZ//wBBi+5f5Hyp/wAPBr7/AKEq3/8ABk3/AMbo/wCHg19/0JVv/wCDJv8A43X1X/wo/wCHn/Qi+G//AAU2/wD8TR/wo/4ef9CJ4b/8FNv/APE0f2hkn/QG/wDwJ/5i/s/P/wDoMX3L/I+VP+Hg19/0JVv/AODJv/jdH/Dwa+/6Eq3/APBk3/xuvqv/AIUf8PP+hE8N/wDgpt//AImj/hR/w8/6ETw3/wCCm3/+Jo+v5J/0Bv8A8Cf+Yf2fn/8A0GL7l/kfKn/Dwa+/6Eq3/wDBk3/xuj/h4Nff9CVb/wDgyb/43X1X/wAKP+Hn/QieG/8AwU2//wATR/wo/wCHn/QieG//AAU2/wD8TR9fyT/oDf8A4E/8x/2fn/8A0GL7l/kfKn/Dwa+/6Eq3/wDBk3/xuj/h4Nff9CVb/wDgyb/43X1X/wAKP+Hn/QieG/8AwU2//wATR/wo/wCHn/QieG//AAU2/wD8TR9fyT/oDf8A4E/8w/s/P/8AoMX3L/I+VP8Ah4Nff9CVb/8Agyb/AON0f8PBr7/oSrf/AMGTf/G6+q/+FH/Dz/oRPDf/AIKbf/4mj/hR/wAPP+hE8N/+Cm3/APiaPr+Sf9Ab/wDAn/mH9n5//wBBi+5f5Hyp/wAPBr7/AKEq3/8ABk3/AMbo/wCHg19/0JVv/wCDJv8A43X1X/wo/wCHn/QieG//AAU2/wD8TR/wo/4ef9CJ4b/8FNv/APE0fX8k/wCgN/8AgT/zD+z8/wD+gxfcv8j5U/4eDX3/AEJVv/4Mm/8AjdH/AA8Gvv8AoSrf/wAGTf8Axuvqv/hR/wAPP+hE8N/+Cm3/APiaP+FH/Dz/AKETw3/4Kbf/AOJo+v5J/wBAb/8AAn/mH9n5/wD9Bi+5f5Hyp/w8Gvv+hKt//Bk3/wAbo/4eDX3/AEJVv/4Mm/8AjdfVf/Cj/h5/0Inhv/wU2/8A8TR/wo/4ef8AQieG/wDwU2//AMTR9fyT/oDf/gT/AMw/s/P/APoMX3L/ACPlT/h4Nff9CVb/APgyb/43R/w8Gvv+hKt//Bk3/wAbr6r/AOFH/Dz/AKETw3/4Kbf/AOJo/wCFH/Dz/oRPDf8A4Kbf/wCJo+v5J/0Bv/wJ/wCYf2fn/wD0GL7l/kfKn/Dwa+/6Eq3/APBk3/xuj/h4Nff9CVb/APgyb/43X1X/AMKP+Hn/AEInhv8A8FNv/wDE0f8ACj/h5/0Inhv/AMFNv/8AE0fX8k/6A3/4E/8AMP7Pz/8A6DF9y/yPlT/h4Nff9CVb/wDgyb/43R/w8Gvv+hKt/wDwZN/8br6r/wCFH/Dz/oRPDf8A4Kbf/wCJo/4Uf8PP+hE8N/8Agpt//iaPr+Sf9Ab/APAn/mH9n5//ANBi+5f5Hyp/w8Gvv+hKt/8AwZN/8bo/4eDX3/QlW/8A4Mm/+N19V/8ACj/h5/0Inhv/AMFNv/8AE0f8KP8Ah5/0Inhv/wAFNv8A/E0fX8k/6A3/AOBP/MP7Pz//AKDF9y/yPlT/AIeDX3/QlW//AIMm/wDjdH/Dwa+/6Eq3/wDBk3/xuvqv/hR/w8/6ETw3/wCCm3/+Jo/4Uf8ADz/oRPDf/gpt/wD4mj6/kn/QG/8AwJ/5h/Z+f/8AQYvuX+R8qf8ADwa+/wChKt//AAZN/wDG6P8Ah4Nff9CVb/8Agyb/AON19V/8KP8Ah5/0Inhv/wAFNv8A/E0f8KP+Hn/QieG//BTb/wDxNH1/JP8AoDf/AIE/8w/s/P8A/oMX3L/I+VP+Hg19/wBCVb/+DJv/AI3R/wAPBr7/AKEq3/8ABk3/AMbr6r/4Uf8ADz/oRPDf/gpt/wD4mj/hR/w8/wChE8N/+Cm3/wDiaPr+Sf8AQG//AAJ/5h/Z+f8A/QYvuX+R8qf8PBr7/oSrf/wZN/8AG6P+Hg19/wBCVb/+DJv/AI3X1Jf/AAe+Gul2NxeXXgfw1Ha28bSyv/Y8B2qoyTgLnjHYGuO8Pw/AzxRr9lolh4V0RtUvYDdW9tceF2tvNj2lt6mWBQwIXqKPr+Sf9Ab/APAn/mL+z8//AOgxf+Ar/I8M/wCHg19/0JVv/wCDJv8A43R/w8Gvv+hKt/8AwZN/8br6r/4Uf8PCPl8C+Gh2BOkwDPAx/APXH41TtfhL8Lb28u7S28IeFJLqy2i4t00y2Z7feNyh1C5QleRnrihZhki2wb/8Cf8AmH9n591xa/8AAV/kfMB/4KDX3/Qk254PH9osexPTy69i/Z2/aLufjpqGu282iRaOumRxOPLuTMZDIWGclBj7nSu+t/hH8L7q/ubKDwf4UmvrPabi3j0+1LwhuVLrtym4AkZ64rR0nwR4e8F6wF0DQ9N0YXEMnnf2dZJb+ZtZNpbaBk/Ma4MXi8qq0XHDYdxl35mz0MHhc4p108ViFKPay1/A6JelFC9KK8BbH0b3KWpf8e8f/XeH/wBGrVX4leNIvh54F1rxFLELgWMBkW3LYErnCohODwWIFWtSx9mi7nzoP/Rq1n/FTwSPiN8P9c8OeeLaS+h2xTNnEcqkPGxwegdVJHcAjBp0eX2kefa+oq3N7OXJvZ29TC0n4azaxpcN94t1zWr/AF6dFkuP7O1i6sLa3JyfKiit3QFVyQrMrSNgbmYAY1dS8RWHwu8P6PYTz6nrV5K62Gn27lZ76+k2HAJ+UZChizuVACks3ryl/wCKtK1zw3Do/wAQPBWoTapa7fMtD4euNVtTKIx+9hliikjIO47SSrDOGCkEV5tp/wANdV0/4f8Awh1LVtH1k2uix3EWpafpU08N9bR3IO2ZRAyynadu9U+baT8pxivUjRVRv20tLvTptpY8GVd0qadKF52V+9+vMe22HxT0q4t/ED6rDeeGJ9DjFxf2+qeWZYISrFZQYnkRlYKwBUnJQqRuBFU5vjHa2cNne6n4c17RdBvJlhi1m+giFuu8kRl0EhmiViFwZI1wWUNtya4rxD8M9G8c+A/GK+E9N16LWb2yhtlvfEkl8sk/lyGZIALxvMChupIVB5nDH5gLnxG1y5+KHw7u/COl+H9as9c1ULaTQ6lpc9vBY4cGSV53Xy3CYJBRjuJTbkZojRoyaavq7PpZWWu5q6+Ij8c0lq11u+21jsda+LVjpPjiXwjb6Vqura6tlHqEdrYRx/vImdlJ8x5FVcbCSXKqc7QWY4Mdv8ZNHfwr4p1i5tNQsbrw0sh1TSZljF3bFV3gYVyrBl+ZWVmB3EA5BA4q68Rr4T/aQ1WSew1C9sT4Ys45LiwtJLqSI+fNt3xxq0hzzyqnbxngkijr2g654q8M/GbxLHo2oWseuaQNP0rTZ4WW6uFhhkXzTCfmUO7sFVvm2jJAyBVvCUoqPNpdLW+93/XoZxxdeTlFP3ouSat0tf8AP7z0yP4saYvhuTxDeWeoaTof7k2t5cxo320SkBPKijdpCxOBtZFLBhgGobH4sJ/bOl6frfhzWvCx1VzFY3OppbtBNMFDCFmgmkMbkfMokCZwQDkbayviV4T1PVPAfhaXS7OS7u9B1Kw1Q6cAI3uEhI3IoYgBsE4BPLIo4zkZnjLUZPi1P4U0vRNK1mBbXV7XVby81LS57CO1ihcPtHnopaRzhQqBu+7AwayVCjKVujbu+1tjT29aMeaejSjZfzX3Xy7HYal8T4V1q/0nRdC1fxPeaeQt9/ZawItqzIGCM08sas5VgdqbiMcgHGW6h8Ure3voNMsND1XW9Y+xR31zptmkKvYxPnYZjLKiKxIICByx2ZCkAkcp4S1S5+E2t+MLHXdJ1ae31DVp9XstS0nS7i+juY5Ap2EQq7JIhUDDhQQBtJGcYGo+G7fTPixr2v69pnixdK8QWlpc211oM1+GtpI49klvcR2Tbsj5WRmDL98Agggr2FHmdley0fcHiK3Lq7Sb1XZd+v37HoL/ABo0RtI0C7soL/Vb3WZZIbPS7eFVuWkjP75X3six+Xj59zAcHGas6p8UItFsdHW70LV49b1aaS3s9BVYTduY8723CURBQoDbvMxjHrXCa14P8EReEdItf7G8YaJDJcXOo2GpaVBqE+oWczkBpGdRLLG0quzbZRkjO5Vb5RTmsZfEHgPQl+IsPiZdcWe7n0zXNC064W/tU3lInkW0jbyZJIXXMbLt+UgjcKpUKDScE7ee/wCdvXqR9ZxKspO7to1t89E9enQ7TxNrmiXt14EvPEfh3UrbUptXMGmW8jIJLS5EUvzSGOYoUKKwHLj5uRjJD5fjVbS614i0nS/Deva7faFMIb1LKGFVUeWHDBpJUVuu3avznb93HNcR/Z/jLXNL+Ftxr9re3t7beKHme4e1CSrZ+XOIZbhEXbESpTIwMFsEZzXZfC3Sb3T/ABj8TJbiyubaK61tZbWSaB0WVBawruQsAGG5W5HFaTo0Y07zfNa+l9N+gU61adVxjeN7avV7d/68jVu/i9oEPhHSPEFnJdanFrJWPS7SziLXF3IwJ8tQSoUjBzuYIoUksByK2ifFy3vPGlj4SvvD2saFrV3bSXccN6kJj8qPbhg8UjqcliAoY42HO3K7vIvBPhPXvDPgn4T6/caJqE0fh661Aahpcds32uKK4aRFmEP3nC8HaMsQ5Kg4rqZvFg8WftFeCng07ULWxh0nUhHdahbSWrTuTB5gWKRVk2rhcMyqDuOAdpNCwlKPMoq/xa37bf11I+t1bJyfK9Fbv3Z7qpBwRyD0x07H+tLSd/zpa8Po0fSK7SkwooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKPTjPt0z+PaiigDyL43fG7WvgysN5/whp1zQpPlOoxaj5XlyHqskfkttzjg966/4YeL9a8deGYdZ1nw7/wjJuMPb2rXXnu8Z6O3yLs+neunvtPtdUtZLW9t4bq1kxvinjEiHBBGVPXkCpsdO3+zxx7cUAc98RvPfwJr0NrZ3F/cXFnLbx29sAXZpFKDALDgFgTz0BrwbwydY1j46eEdYh8M6slt4f0iLQtTMkcaG3uWjLEEeb9zbMpH+9X00xwD+XQn9O/48VR0/Q7LSbzVLm0h8ufULn7RdPvJ8yRY0jDYPTCxqvHHy0AX2xjk9epUcDGMdPr69M14B8aPtEPxIsH+HPnH4mvA32xLXZ5Js8cG63/Ln+5n8ONle/5I5ABYcgH1qpbaPY2d9e3lvZ28V3e7RcXCRKHudg2qXccuQvAz0zQB5n+zqugnwjdSae1w3iJ5ydf/ALRz9uF3zuE3t129sdOd9eh6h/yGrT/rhN/6HHVq30mxtL67voLS3hvbwL9ouY4VWSbaCFDuOXKgkD0zVXUP+Q1af9cJv/Q46AJl6UUL0orRbGb3Kep/8e8f/XxD/wCjEra7msXU/wDj3j/6+If/AEYlbXc1maBRRRQIKOMjjPNFFHqFjlLTwOlv8SNQ8Wi8eR7zTIdO+zGPAXy5JG35/wBrf/47XVKNtLRWk6kp25uhnCnCLco/a1YUUUVmahRRRTFZBRRRQFgo45zgfWiihAZXiCx1W8jtX0nVIdMmjl3uLm1+0RTLsYbWUOjfeKt8rA5UDkEg4fh/wDLZ+LrrxNrGpf2rq72osrdYYPs9vaW+VYrGm5iSzKGZmY/dAGADnsaKtVJwTitmZSoxnJTe6FOe559KSiiszYKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigArL1D/kNWn/XCb/0OOtSsvUP+Q1af9cJv/Q46AJl6UUL0orRbGb3KOqf6q2/6+of/Q1rb/ib61iap/qrb/r6h/8AQ1rabnfjrzjmszQdRXmdxNdfFDUtTzqVxpHgbT5Xt5JLSTyJtTkjJExMw+aOGNgV+QgsUfB2jByvBPgvwB8QtIudU0LQL7SYVneK31iCeS2mnZTjzoZEcuVz0ZgCcdDmgD2GiuG8I6xquh+JJfCfiG5N9O0JudK1R4lQ3cKlVdJdpKiVCy5xgFWUhQd1dzxwQOOg9vUUAFFFFABRRRQAUUUUAFFFFABRRUdxMLe3llYEqiFjgZPAzxyOfxpbASUV5z4K+L1148sdL1LS/AXiZdH1ICWHUriXTVjEZ5Dsv2zzMf8AACfavRekhH3h/e//AFVT0AWiiuU+JXjo/D3QLXUxZfbvO1KzsPLEvl7fPuEi35wc7d+7b3xjvSA6uise31LVpPFV3p8ui+TosNrHJBq32tW86YsweLygAV2gId3fdjtWZ8UPHX/Ct/Btzr/2H+0vInt4vs3neVu82dIs79rYxvz07UAdXRR2Hfjr69ee38ucUUAFFFFABRWJ438XWfgPwjq/iK/immstLtnu5o7cKZGVBuIUMQCeO5Fchc/G2LQrO21DxH4P8SeGdEmK7tYvltJ7a33LlWlFvczPGpIA3sgVSRuIoA9KorCk1jVP+Eo0y1ttJW90S5tpJZ9WS8ULbuNvloIsZcMrscjgbec7lrcZvl7njJxjIA9iRjjt6ZoAWisDwb40sfHFjf3VhHcRxWeoXOnSfaFCkyQyNG5UAn5cg4rfoAKKKKACiiigAooooAKKKKACiiigAooooAKKKP09/wBKAAcsOcVl614q0bw2qf2tq9jpe/kfbLhId34MQP61jfELxFf6ba6dpGh+X/b+tTm0s5JFDJbqoLSTsD12IrELg7m2qeCa5LxxomjfB34ba/4ntdKg17WbeETPfax+/uLqQsqgvIeTjI4Uqo4xQB6fp2rWWtWoubC9gv7dh8sttMsqf99Amq+of8he0/64zf8AocdcCPBo1Dw5p3i/wlbw6B4mns4bt47QCK1v9yKxhnX7rhiSokOWQkHPWun0HxJB4wsdD1m3R4Y7yzkkMMgw0bbow6EdAVbIPvmgRuL0ooXpRWqM3uUdU/1Vt/19Q/8Aoa1tN95uo5P3ev4Vi6p/qrb/AK+of/Q1rbyAxz0ye/8An/PNZGp8/X/hvXfF37Ls+heHLkw65aiW1u7ePAaaWKd/tEJY/dLEbvfdt/irmPhn4A+JfijwXpl7oHxYW300RiJbNdOEZtyhIMbIOhU8Y9q9w1nwprOg+ILvxD4TltZJrzYdQ0e8Pk2946ggSpIoJil2lVLFWDBV44yMy01TxHYteLo3wwTR766bzJ7q4vbSGGWXHDyNExlbHrsyRn7tACX1tdW3i74V6Xd339pa1YQXE99dIMGZVs2hkkx23TSRHHvXpzE5weo6/lj+YNcp4N8HXGiXd9q+r3q6t4h1EKLi8RNkUUa/dghQklYlJJHJJZmLHOK6qgAooooAKKKKACiiigAooooAKran/wAg+5OCf3TdMA/dPQ9qs0yaITwvGy7lcbSvY57dRUyXNFoqL5WmeG/sy6f4xHwj8CynXtC/sL7BGws/7Fn+1bMdBcfbdoOcc+X/AMBrX+EM8dnrnxflmfyUi8TzSM0h+6os7Y556cfzrf0P4H+FvC8djHpUviG0tLMqbe1j8TambZFByAYPP8sqecqVwRweM1Y1r4PeFfEWvXmr3mnSm9vY0ivkh1C4hgvo0DBUuYEkEVwAGIPmqcqQrZGBVS968f62IiradtfxueBfD3y/Enw/+AvhG/kf/hG9Ytr2e9tVLeXfNAm+OCQg/MhLM5TkN5e0jBr0P41eDNB8E/Dm0tPD+jWWiWs/ifSZ5ILC3SGNm+2W6btqADJCDoOmM16A3wm8JN4L0/wsdHVdB010ksYfOl822dGLJJHKD5iSAsTvDBsMeewF+E/hmPQ5NKmtry/s3vYdQkN9qt1cytPCyGNjLLK7/KY04LY+XkYzQ9EM8y8Xa1feG/iZ8YdW01d+oWPgu1uLfgMPMU3hUkHqM44rj/iZ8MfCWi/s86Pr8MMUviC4l0q4k19XH23U5pbqFpDNMSGmDkltr5X5VwPkGPpaPwppVv4l1DXVsl/tW+torO7mdmZZYYy7IhjyVGPMfoMndzxiuOb9nXwA1pFZyaLNPYQyrPb2E+p3T21nKsolEkELSFICGAOYwuRuB4JBPsq3QWzfn/keb6vpeqfEj44ePLK/8J+HfGFjocNpBZaf4l1OSCC2ilhLmdIBazozu29TMSpxGqj7prRTS38N+EfCXgDxh4esvH3iS6uLuXTdKmvPOskt4nJjNzLNGN6RRzIu4xO2V3KhOMep+Jvhf4d8V61DrF5a3Vvq0EJthf6XqNzp87REhvLaSCSNnTKghWLAdgKj1P4UeGdV0nR7OayuYV0lpJLG6ttQuYLuBnUiVvtCOJSzgkuWclySzAmnqrXDv/XSx87yw3Ok/C/9orQWsrLRbLToMwaPpN209nZNLZB5FiJjjIUsc7QigMXC5xk9n4q8B6N8Pbj4Va/oNnHYaxNrdlp19qQx9p1G2mhZZEuZj88w+VWy/ccda9M0/wCCfg7TdF8RaTBowisNfQLqifaZme6wmwu7lslyBkvncxJZssSx6DWPB2k69b6XFfWnnx6Vdx3tiPOZPKnjGI2yrgtjp83rRTtFL5A7tHI/tI/8kF8fk9f7HuuowfuHtV3x5qWnaT8FdYudWdE04aK8cvmDKtvh2BMdyxYKB3JArp/Enh3TvF3h3UNE1e3+16XfwtDcw72j3xkAEbkORx3DZrnNN+DfhbTdQs7trW/1WSyYSWya1rN5qENu46SRR3EsiIwGQGQBgMgHBYGItWafX/Ipt6W6Hlnw90nUtG8dfBvT9W8xdVtvAt1DOkhyyOrWYKsf4T2J9h/dqt4N8L6d4B8ZaPoHxA8FWOo67qt3cQaf48iMVydWaRZy8d1vCzITAdnlkPERkKQFWve7rwtpl54ks/EE9qZNVs7aWzhuGkddkMjKZBtDbSGManJGflrE8P8Awh8L+GdTsb+0tr66urFGSybU9Vu75bRSoU+Qs8rrCSq7coqnGR0JprfyE1zLzPGPhnY+Cfh18K/HHiC+8NWscLa7qWly/wBmWkcN1NC975UdsjgqQpJRVXeqjGTjGas+G9Fn8G/tAeDIbTwjofgG21nStQW407Q71WNysQjaM3UUcMcYkRpGGUMgBZlDY+963dfCDwnftr6zaZI9rrwIv7Rr64+yzM23Mgh3+UkmUXEiAOCuQQeQaH8HfC2g+IrPxBb2F1ca7aJJDDqOoajdXlwqSAbozJPIxZeMhSSFLtgAk5H7z8v+AL7Nup4P4d+GPh/WfgV8QdaurFJ9cg1HXrmx1ST57jTpIbmZozbN96EB034j6szZ611OmyQfFbx94M0Txbs1LR08GW+vnS7oA2l7eO6I8kqHiYRhQdpBCmUk84r2Kx8BaFpfhjUfD9tp5XR9QNy1zb+fLIZTcFjMdzEt8xc+gG7g1U1b4W+Gtc0vR7KexkX+xU8rTrq1uZobqzUII8RXCOJVBUbThxuxVNq915f5CjtZ+f53PKvi1oQ0nxP8N/APh7w/pS+F9RuNQup9EuLtrCxuZI0Eggk8uKUGM75JPK2BX2c/drsPhD4B13wV4k8STT6Vonhrw3fpbvZ6Dod7LcQW0671lkVWt4VjDr5ZKqvUEnkmuh1D4UeF9S8L2+g3djNc6faXP223klv7h7qGfeZPOS6ZzMJNxLbw+fmIzgGtXwv4N03wj9qFgLyWS5YNNc6hqFxezPjIUeZPI7bB821d2Fy2B8xojpf5jetjdooopDCiiigAooooAKKKKACj39OaKKAOA8fTDRvHngXWLljHYLNdaZJL0EMk6IIWJ/hBaIJk93A71478ePhH4p0n4b+KNXu/iZq+r2EcZmbSZ4FWKVWkXCHa+MDII45xX0lr2h2PibR7vStSgW5sLuMwzRMcZU8cehBwQeMYyOQK881nwN4vfQ73w+02k+MfD90hiMPiCWa2uVjIGEeWJG8wA5w20Oe5PUAHJfDj4aeIfD3h7w54l1H4qasdEtbG3vJ9OnhUQeSsYLRuWJ+XHH0ya7b4VWk9r4R0F7iJ4JLtb+/EUow6rcXQnVSBwCFkUe3TtTrX4e6v4gjsrXxRdWcOh2SxrB4e0guIJNgAUzyyHdIFxnaFQcAncQCO01D/AJC1ryD+5mxt/wB6P8h/hQBKvSihelFUtiSjqn+qtv8Ar6h/9DWtv+JvrWJqn+qtv+vqH/0Na2/4m+tSULRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAI33TWbqH/IXtP+uM3/ocdaTfdNZuof8AIXtP+uM3/ocdAEq9KKF6UVS2JKOqf6q2/wCvqH/0Na2/4m+tYmqf6q2/6+of/Q1rb/ibjPPTOO4qShaK+efi94i0uw/aG8Oad4n8W3fhzwzJ4duJ5I4/EE+kwy3AnVUJeKWMM2GbA3fgcVL8O/iV4m8O/BnSdY1t9OnV7m4httY8YasNHElkrn7LLI5hkJllTaR8vIUMzZIyo6pvsEuh9A0V4Npv7UE/iTSfh9PonhMX994uub2zW1k1NEjtZrYHzC0gjYSR5BO8ANtUkKxwp0vix8frv4PwLdazpfh8QpFE8tm/iTy76fLKsxtYGhzMibzyxjLFW+UAAtT0t5gez0V4p4i+P2tWviHxtpuh+EINYh8LabBqlxc3Gq/ZTNFLA0pCqIH/AHny8KSAdp+Yd7Phn4+XGt654Jh1Lwz/AGRovjG2nutHuzqImmzHEsuLiIIFj3KWZWWRxkDIBOQLVhsexUV872/7Yug3V5pV1bpo02g6hqaabG0OvRf2ugdiguWsNnyRbxnBk3hWVigOVGj4M+LXim1+InxaTxUmnx+FfC5hm/0e5LyWcX2bzSIl+zqZd4G5t7jYcqN2NxXe/T/hx9vP/hj3eivB/CP7VWm+KPFvhnSZLfRzbeIzKlkdI8Qw6heWzqgkRLu3RQIiyZ5R5QGXaeGBqPS/2nL6b4SX/wAQrzwfHY6Dbu1rCDqxkkmuBceSCSYcJDk5aRmJUhhsbALHS6F1se+UVzPw/wDE2oeLNFOo3ttpMUUrZtZ9F1b+0ra5hwMSJL5UZxneNpXjacE546YnAPb3xkjnqPp1/Cm9LAtbhRXgHhPUNL1f4meMItau/Gk+o23iRraxWyn1g6dBGIYCEY2/+jKu4uSH9eeM1vaz8cdY0mz8S6xH4QSTw54a1KS01C9l1QJPJGjJulgi8thJtDEkSPFkg7S1IZ7DRXnd98XoNHsfHkt7p7Q3XhbEi2qXBY3sTxB4GQlRtMjlosYO10Iya5W6+Ilt4Km+J/iWTwl5XiHSNN02fUYY9RYrduYWZYVJTCBCXUMFO/PvSv7zZK+HlPbqK81vPiV4js9Q0nRV8LWr+JtXE11aWUurkQxWcYTdNdSiBvLcNKieXGsg3EbXK8ijd/G27sNMeOXwy8viW21uDQbvSLe9DKjzRho5Y5mVfMjZWVs7F/i+XK80trjvY9YoryHWvjpqPhfQ/HEmteGI4ta8MRW1y1hp+om4hvIZziJ4pmiRgSyyKQUAyg5xyLDfFTxcfGieFT4Ks49bubJtTs3bWj9k+zLJsdZ5fs5aKZSUXYiSKd3EgANLzA9WorxW/wD2mNPs/Dvhiea203Sda1z7SDa+INXSwsrQ28nlzq9zsf8A5aDaqqhZsgkKASJ9J+P03imx8Ljw/odvrOo61c3tkwi1VDaW01sPmY3Co3mRMACGVd2GU7ATgNR1t3E3pzHsdFeDeLPjF4vuPD9m2jaPZ6Xrdp4rt9B1W0uNSLxZeSPAjk+zNuSVJQd5RHTOSpxXV2nxW1fUvHl54YtNF0hrzTPs7alHca2Y7gJIqPJLbwmEtNDGHGJGMZZgwCjFC6oH0Z6dRSkFSQRz1P5nr/k0lIYUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRxzkA8Z5+mf8+1GvQPUKM1wGvahc+JtX1CzhvJrTRdNzHdPanZLczBdxRWHIVQQDt53GvNdPWGFdK1R/DLaPp1/eC0gu7a/mjv43ZtqySf3uf71ejTwXtFfm17HkVMw9nK3Lddz6Ib7prN1D/kL2n/XGb/0OOsbwhrN79svND1WZbm9tY1mhuFXb58DEqGKjgEEYPrmtnUP+Qvaf9cZv/Q464alNwlY9GnUVWPMiVelFC9KKS2NCjqn+qtv+vqH/ANDWts8s3GeTx/nrWJqn+qtv+vqH/wBDWts/ebr14xjP4e9QXucZefDc3nxg07xwdR2fY9Jm0r7D5OPM8yVZN/mbuMbcbdvOevY5nxA+Fl74o8eeF/Fuka3b6Xquhw3NuiX+mm8hZJ1CsyqJEMb4GA4PQkEEE1V8ZH4zf8JJef8ACKDwQNA+T7N/a/2z7T9xd+/y/l+9uxjtisT/AIyI5/5Jt/5P12LC86T5kvmeZLHcsm/ZyfohPBf7NreEpvAUjeJWvZPC99qV8WNiIjdG8Djb/rCsezcegYEZAUE5qp46/ZrvvE1x8Qk0/wAVw6bp/jTyGvY5tK+0XcLRKFCxz+auI/lyEKHGeGWrn/GRHH/JNv8AyoUf8ZEf9U2/8n6v6vdfGvvI+v2/5dT+42Yfgi0WrfEK+OtgnxbpVtppUWuBa+VA8XmA7/3m7zM7eMYxk5yY9P8AgatnJ8KXbWQ6+BbWS1ZDZAC+D2otycbv3WB82MNnd+NZWf2iP+qbf+VCj/jIj/qm3/lQo+q7PnWnmP8AtDf91P7vI2PAvwp8SfDmwt9B0fxZbL4QtrwzW9jcaMZb6KBnDtbLcibYwzuG5oSQHxu4yHt8ExN4w8eX0uqxz+H/ABnbRw6npUtoTKrLC0O6G4WUbQytyDGxzjDYzWJ/xkPx/wAk2/8AKhR/xkRzx8Nv/J+h4W7vzr7xfX7aeyn9x1PgHwH4v8H2ejaTe+MrPVdB0qP7PGiaKIb2eNVKRpLMZ2QgAr92JSdg5HOa3gn4V6r8OvhXaeEtI8RWovbaeaYajfaYZomWSeSV42g84EjD7ciT34rn8/tEenw2/wDJ+j/jIgkf8k2/8n/8/wD1s0vqv99feH9oW19lP7jq/hD8JovhXDruy6tZZtYvjfTQabZfYrGBtioFhg3vsG1FySxLHnPFeg/hke5wPbv61xPw1/4WJ/xMP+E9PhrGI/sX/CO/aPRvM8zzv+2e3HbNdtXNUjyu10/Q9CnP2i5rNep5xovw98V+GfEmv3WkeJtHXTNY1VtSms7zQ5JZoyyRo6LKt2ijIj6mM464OKdrPwjGq+AfHPhsasYl8Tz3k4uhb5+zif0UNhtvPcbvQd/RaKyZrex574m+Edv4k8baF4gN79nWxWIX9isHy6h5T+dbEtu+UxSnfnDZ3Y7VV8VfBo+JoviCn9sfZz4stba3G613C2EKMu7HmDfnJOMjHoa9MoptXl9/4h5/1ocT4y+H97rWuaN4g0PWI9F8RaXHLapcXVobm2mt5dpeOaJZImOSiOpV0IIH3hkHJs/g2+6K7vNYN1rU2uQ65f3QtAkczxReWkMcQc+WioABlmIIJJbPHplFL+vvC1/67HmXjf4Nf8JheeMp/wC1/sg8RadY2GPs+7yPs00sm/duG/f5u3tjHWull8F+b8SbPxWbwKbbSZdN+yGHht8yS79+eNuzG3/a68YPUUUbKwHlNv8ABW80X+xr7RfECWOvaVcagy3VzYGeC4t7ydpngmhEiltp2EMJFIMfOQSK6ODwPqV1rHhTWNX1mO/1HRvtXneRZeTHcNMAuEXzG8tVAAAy5IABJJJPZ0U7c1mhRXKmjy3WvgxLfWfiN7bWkgvtS8QW3iO1lltTJHbzQJAqo6CRTKh8jJYMhw5wRtpfE/wp17xpq2ly654g0qey0++gv4PsuhmK9t5Y9jEQ3Bmfy0d1yQY3bYxUsfvD1Gih6u7GtFYauc4PBwPb8PwOfpkU6iigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACjqD1xjt+n64oo57dfpmgN9DgPC//ABL9W8RabNtW6W/lvVVv+WkUx8xXx3wSV/4DWPHaTeJ/iPdNf3EL6fo3lSWVlDOsjrMw5kmQchhyB7E13fiPwna+ImguPNmsdQgBEF9attlQHqCMEMv+yQRwPSuVtfhfqlvqF3dHxJHE15tFxPaacsNxKq8AF95AOCeVAr2KeIp8rk97HgVsNWUlCO17lvRP+Jl8Rrq7gw1vY6ebWWRTkedJIrlM99qov03V1Gof8he0/wCuM3/ocdP0XRLTw9pws7KIwwgsfmZmZj3ZmPUmmah/yF7T/rjN/wChx151aaqPQ9ehTdKOpKvSihelFZLY2KOqf6q2/wCvqH/0Na2/4m+tYmqf6q2/6+of/Q1rb/ib61JQtFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAjfdNZuof8he0/64zf+hx1pN901m6h/wAhe0/64zf+hx0ASr0ooXpRVLYko6p/qrb/AK+of/Q1rb/ib61iap/qrb/r6h/9DWtv+JvrUlC1heN/F9p4D8MXuvX0U81pZhS6W6qZDuYIMZI7sK3a8z/aT/5In4m4z+7i45wf30fBx2qZbFR3PSlO7aefu/4+hIyKdXzL8TPCek6kvxy1y6tEudW0mC3uNOu5cs1jJHYRuk0OeY5CyjMi8ttUdAaj1y8+HF14+8eyfEc2Lebp2nyW0WqHerMbY7/sobh7gZ4Mf73kbeae7T/rQz2VvQ+nvwz61mP4hsIdet9GefGpz20l3HBtY7oUdEZ933eGkUY6814L4X8TP4D1iyn8e3smn6vqXgewgH27/X3l1FJcedCmCDNcDzoyUH7xi4x96s74b6P4Vt/EfwV1TWNO0eG+vPBqx2l7fQwh5rxDZ+UqOwy0oDPtCnIDPjjNXa1i5fCfT5z07UleUfE7wzpfi74r+ANP1iyh1LTWttSd7S6jEkMuBbYEqEEMAcEBu4FeQ6/rum6j8RNP1iyj8N6J4hh8Y29lJZ29pLN4g8gXIgMtzc+YphhlQkeU8bJseNd5LKBEXp6B19T6wubiOzt5J5jiGJGdzjPygEk4+melV9D1iz8QaLY6pYT/AGmyvYEuIJtjJ5kbKGRsNzyGz+NfO3h3S/C+o+PPE2jR2Hhvx5c6nFqVzPqsEXmalZkSA/Y9QRtxKAgRxnIwIlAjHWuTto9AfwF8J7e0vvCWk+Bzp0g1ZtW04XWltqwgg2reRpNEiylRMQZXHzqMjcUIfL7qJctD7Cor5s0DwLo2qap8NtJvNQ0/xn4fZNauIPs9m0WntH5sRWKOJpZMwxsPkBYj5U2nGK9B+OzRRWXhiPVlx4LOrKPEHyt5C2wil8rzwP8Alj53keZn5AB83y5o5tn8iuvL8z1KmTSCGJpCcBRuJ27sY9up/DmvmDxJZ6DcaF47j8D/AGVPAkx0VEbQ3C2X283oE5tynyK3l/Z9xTgN1+bfXvj+C9C07wTdaBaaJp6aIYJB/ZotQtoQcsQUPGC2Sfck96OjBK7sP8B+Mo/H2gxa1baZe6dY3OJLVr7ys3MLKpSZAkj4VueH2vxyoro/pwex/GvkNdDstJ+HfwbtZm8N+HPBN3ov2u/m1zSBPpc2oGGAo10iTRJvZBMUeRipdem7aRs6kdD0nwj4Q8Pahq3gvV9BvJ7+8svEHiKxY6LZhJAEtre1kn2yt+8dYz5w2orbMjApO9tAST3PpLVPEGn6VqGl2NzP5V1qc7wWkWxm81gjSMPl6fJG5yeOK0dwbOGzzjrn07j6ivkrw7p/hu88HfBzVPF1npk1nbazqGmG91myEccMCC8S2gbzstGqssYVHYkEYJLLmtnUPFmk2Ph+78LT3gXxCPiFHK+l9bmOB9ZSZJ2X7yxNG6ESHC5ZRn5hVcujuRF8z0PpyivmLWPDslr8OfiH4g0i1WLXpvEl1a3mqJavcXEGnfb1Nyi+W4kMZTezIjjJZyCpAYdn8BdH0az1rXrvw54n8J6tp0sFtHLp/gvTBZ2EUgZ9shAuZY/NZflYLhtqpuyNmRO8mN6RSPaqK+e9Um0XTfj1LNapoPi/xBe3qxpbyEjWtBdbUYK7my9ofvEAxhTMxy/mADnPDcfhefw74RbTxaN8aF1SybUznZrQlE6/bzcf8tBD5XnZ3fu9uwKMFaQz6nor5hvvFWk2Hh678LXF2qeJB8QoppdLC4uI4ZNYjmWdo+qRtGyEScLlkGcsKlv/AA7Da+AvHviC1spP7Sm8T3FrqWoWkbNexaX/AGgpuo4nQlwpj3ttQ8lnOOKp6Ie59M0V8z/EAeCl8J6b/wAK7uPC1l4QfWoE8S3Wn2YutMSMQy+X9pjtpY1ZDJ5e/LA42eZ8vFei/APSdP0vR9ak0XxFomvaPcX++CLwxZ/ZdNs2EUYeOAedKpyfmbY2NzNwGzU9L/1/XYWzt/X9dzuvGHiq18E+Gr7XL2Kaa1skEkiW4BcjcBxkj1rYZtyH6HsPTHqenzV8h+PpPB0vgjxy3iJLX/haEerXLLGxJ1RIBcAweVwZPs32Xy8/8s9u/dzvq1+0LrWmXmreMnaPw3pHiLQUg+wTXVq9zrt5tjjmWezKyRtaxIxIMih1+SRjt2sCLoJ9z6itvENhe69f6RDc+ZqFjFFPPB5bDYkhcIcnj5jG/wCVaNfPesf8Iv4K+LnxC1mXQdOn8Rt4bg1Gxt4o0t76+YLd/aPIkC7ixCqHePJGQW6Csz4FTaZafGKJPD914VfTr3w7JLcw+DLF7exSZLiILG8nmsk00YlcFtiOA43KoZVprVXGt3/XmfS9FAxgDvRSAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAEb7prN1D/kL2n/AFxm/wDQ460m+6azdQ/5C9p/1xm/9DjoAlXpRQvSitlHQyctSjqn+qtv+vqH/wBDWtv+JvrWJqn+qtv+vqH/ANDWtv8Aib61iai1m6zqVzYNYQ2ltHc3N5ceQglnaJVIjeTdkK3/ADz6Y71pVlat/wAhvwz/ANhB/wD0kuKAHBvEmR/xLdKyDnI1GT2yf9QfWsbS/CutaT4g1rWIbCxa61byfPjfVJDGnlJsUIPs3oTXffxUtAHM/wDFSf8AQN0v/wAGUn/yNR/xUn/QN0v/AMGUn/yNXTVh+NfFVr4I8L3+uXsU01pZIJJEt1BcjIHAJHrQBV/4qT/oG6X/AODKT/5Go/4qT/oG6X/4MpP/AJGroY2LNg9B9P8AH61JQBzX/FSf9A3S/wDwZSf/ACNR/wAVJ/0DdL/8GUn/AMjV01FAHM/8VJ/0DdL/APBlJ/8AI1H/ABUn/QN0v/wZSf8AyNXTUUAcz/xUn/QN0v8A8GUn/wAjUf8AFSf9A3S//BlJ/wDI1dNRQBzP/FSf9A3S/wDwZSf/ACNR/wAVJ/0DdL/8GUn/AMjV01FAHM/8VJ/0DdL/APBlJ/8AI1H/ABUn/QN0v/wZSf8AyNXTUUAcz/xUn/QN0v8A8GUn/wAjUf8AFSf9A3S//BlJ/wDI1dNRQBzP/FSf9A3S/wDwZSf/ACNR/wAVJ/0DdL/8GUn/AMjV01FAHM/8VJ/0DdL/APBlJ/8AI1H/ABUn/QN0v/wZSf8AyNXTUUAcz/xUn/QN0v8A8GUn/wAjUf8AFSf9A3S//BlJ/wDI1dNRQBzP/FSf9A3S/wDwZSf/ACNR/wAVJ/0DdL/8GUn/AMjV01FAHM/8VJ/0DdL/APBlJ/8AI1H/ABUn/QN0v/wZSf8AyNXTUUAcz/xUn/QN0v8A8GUn/wAjUf8AFSf9A3S//BlJ/wDI1dNRQBzP/FSf9A3S/wDwZSf/ACNR/wAVJ/0DdL/8GUn/AMjV01FAHM/8VJ/0DdL/APBlJ/8AI1H/ABUn/QN0v/wZSf8AyNXTUUAco2pavY6hp0N/YWcMN5M0Akt715GRhE8mcGJOMRnv36VsfdVeOw/DjPX8ao+Kv+Qh4a/7CD/+klxVfxNd3FlpDSWsnlTmWGNZNobbulVc4PXrWVWp7ODm1exUY8zsa1Fco9pZ2rZ/4SSeK8j5Mkl4NuehBjIKgcdhmsa+8cwWsbeR4mN3KrqBH9h4YbhuAIXHTNeNUzahh1evp81/nc6FRlPRHolFVtN1K31axiurWTzYJFyr4xnr2wKs17kaiqJVFszl5XGVpBRTZJBGjMxAAGck4/yPX2zXzn8aPH3jfxB4n0bQ/AttHd6XLMIriWME+a3P3yPuxAZwfUCsK2IpUZxpzlaT2RrTg5vXY+jqKzvDunz6VodnaXNx9puIYwskhYn5u4BPUCtGuiLclqZNJPQRvums3UP+Qvaf9cZv/Q460m+6azdQ/wCQvaf9cZv/AEOOmBKvSihelFUtiSjqn+qtv+vqH/0Na2/4m+tYmqf6q2/6+of/AENa2/4m+tSULWTrH/Ia8Nf9f7/+klxWtWF4kvrfTb/w9c3dxFa26X7F5ppFRVH2WfuSKAOL8QeGLDXvj9cT3thbajc2Hhu2ubGO9QSQx3C3U/lybezgnAYcjccda8z8OR+Fbjwz4QOnC1Hxs/tKyOp5x/bazG4X7f8AauDKLfyzODu/dbCgTjy6+kf+E48N5/5D+l/hfR8f+PUv/CceG/8AoYNL/wDA6P8A+KoB6nzB4i1zTdU+JFhq1mnhrRfEsPjKCxms7azkuPEDRLd/Z2muLlZUaOCWP5RG8TIUkjUMSygV/iI3gybwT48/4SNLX/haSavdALI2/VVh+1f6N5eCJPsxtzF9wbNhbIJ3V9T/APCceG/+hg0v/wADo/8A4qj/AITjw3/0MGl/+B0f/wAVSA8TuG0DT/2hklH9g+LdZvtQSMwsf+J7oG21GGTO4taHlmx5aqZmIMnmba+g4VIY5ORisf8A4Tjw3/0MGl/+B0f/AMVR/wAJx4b/AOhg0v8A8DY//iqOiXa/4itrc36Kwf8AhOPDf/QwaX/4HR//ABVH/CceG/8AoYNL/wDA6P8A+KpjN6isH/hOPDf/AEMGl/8AgdH/APFUf8Jx4b/6GDS//A6P/wCKoA3qKwf+E48N/wDQwaX/AOB0f/xVH/CceG/+hg0v/wADo/8A4qgDeorB/wCE48N/9DBpf/gdH/8AFUf8Jx4b/wChg0v/AMDo/wD4qgDeorB/4Tjw3/0MGl/+B0f/AMVR/wAJx4b/AOhg0v8A8Do//iqAN6isH/hOPDf/AEMGl/8AgdH/APFUf8Jx4b/6GDS//A6P/wCKoA3qKwf+E48N/wDQwaX/AOB0f/xVH/CceG/+hg0v/wADo/8A4qgDeorB/wCE48N/9DBpf/gdH/8AFUf8Jx4b/wChg0v/AMDo/wD4qgDeorB/4Tjw3/0MGl/+B0f/AMVR/wAJx4b/AOhg0v8A8Do//iqAN6isH/hOPDf/AEMGl/8AgdH/APFUf8Jx4b/6GDS//A6P/wCKoA3qKwf+E48N/wDQwaX/AOB0f/xVH/CceG/+hg0v/wADo/8A4qgDeorB/wCE48N/9DBpf/gdH/8AFUf8Jx4b/wChg0v/AMDo/wD4qgDeorB/4Tjw3/0MGl/+B0f/AMVR/wAJx4b/AOhg0v8A8Do//iqANuTsPevnX9pD9hn4cftOeKvDviPxJbTWer6XOhuLrT9qNqFsM/6PMSOVzjDDkDI717f/AMJx4b/6GDS//A6P/wCKo/4Tjw3/ANDBpf8A4HR//FUAZE2gab4Vg8G6Po9lDpul2V0YLa0t1CxxRraXACqB2/8Ar0vjy4+x+GLif/nlJBIP+AzIf6Uax4k0nWNY8OQ2GqWd7Mt87mO3uUkYL9luBnAJ4yRz710H+Fc2JovEUZUk7XW5cJcskz5muJnuriWd/wDWSMWf8SSP50zaWOFGSePzGK+naMV+brglzn7SeIvr2/4J6v8AaF1y8pT0exGm6TZ2qjHkxKh+oAH9KuccZ/LGQaKzfEmn3Oq6He2dnfPplxPE0a3kaB3hyMFlB4LAZxnv69K/TKUFSpRhF3srHlNqU25bHnvjTxJfeKNXbw/pUcix52yFhjzD/wDEj/Cu08IeELbwrZ7U/eXUg/ezN1PsPatHT9Hg05gyr5tx5axPdOBvkA5GfQc5wOMk8Cr9eDg8slDEyxeLlzTe3aPl6m9SsuVQhsc94+8C6T8R/C17oOswedZ3S4DAAvE/8Lpn+IE/zqD4bfDvSvhf4Ts9A0iLEEAPmTMAHnk/idsdzXUUV9GcojfdNZuof8he0/64zf8AocdaTfdNZuof8he0/wCuM3/ocdAEq9KKF6UVS2JKOqf6q2/6+of/AENa2/4m+tYmqf6q2/6+of8A0Na2/wCJvrUlC0UVyPxU8ZXXgbwbPqGn28V1qs09vYWEM5YRNcXEyQxl9pB2BpAxAIJAOCDyFsB11FeR69J4q+E9rpfiG/8AGF14qsPtVtZapp95ZWsEaiaZIVltTBGrptkdSFkaX5CRwfmrqB8UdLXQZdWMF4bVNc/sPhE3ecLsWu774Hl7+c5yVJOMnbVLVXA7SivIdO+Ot1a2nj3UfEfhfU9N0nw3fGDzlWCR2TbCdrLHO5MuZS+EUKUC87vlrZuPjZY6a2sHWNC1rQ59P0ubWYodQihD31tFy7whZWAYDZujkKsC6ZApC2PRaK43xJ8R4dFkitLPTL3UdTudJn1W2t4FiGUiMKspLyKoOZ1ON2PlfnOAXfCnxhqHjrwBouv6npMuj3d7aRTPBK0WGLRqxkj2SSHYSxI3tvwOVBpPQq1rHYUV41r3xwuNSHhaXQ9J1ux0vVtetLS31ue2ga1voTNhlRQ7SIHUMVeSOPI6HOM7i/E600mO+KJrfiG9n12bSLXTVitA/mxoXaOI5ijESqjvmZ9+A4znAptbErW56TRXmSfFfWZviZoXh9fCGqW2nahpct9NNdG2863ZZYly2644VN7AgKzFiu0EZI2LL4npJ4qs9Ev/AA5rmiG+aZNPvtQih8i7aJSxUeXI7q20M4EqLwCR0ouloxna0V5t4S+Oml+LrrQlg0PWrCx10yR2GpX0EMdvPNGhZ4sLKzq2FfBZQrCM7Gb5d1vRfi/YazbyajHo+q2/haOOeZfElwtutlJHFkvIo8zzAjYfa7RAMACDgg0Ad9RXE+Fvihba/rVpplxoWs6DPfWrXtg+qxxKl9EhXeU8uR2V1WRCY5QjAMPl+Vgs2r/EaDTfG1p4Vg0nVNV1OS3ivHks0iMUMDSMjSu8kiABSv3VJbkYVsYoA7CiuHs/ilG3iS10fUvD+taCL4zCxvtQihMF00WWcDy5GkRiitIBIiEhTnsK5bxJ8d75PhjrfivQvB+tPFBYi/0+5vltRb3ULKSswVbkSCPC7trBZGDjarc0Aew0Vwl98UZLJ7O1i8J65qGtyWhvp9Esvsfn2cG4qrySNcLENxQhQspY4bAIVtsNj8ZtK1nWNH07RtN1XW5dSsYdTjntYUSOC2dyokl810KlSoDJjIJAAOG2t6Aeg0Ug4Ygfjjp1PHX+nelpAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAI33TWbqH/IXtP8ArjN/6HHWk33TWbqH/IXtP+uM3/ocdAEq9KKF6UVS2JKOqf6q2/6+of8A0Na2/wCJvrWJqn+qtv8Ar6h/9DWtv+JvrUlC1zfxC8Gp478L3GlfamsLrzYrqzvY03tbXMMiywyhSQG2uikjIyAeRXSVz/iyF7u40C0E9zbxXOoeXKbWZomZfImbBKkHGVHHsKAOQv8Awv4y8frpem+LLfw/peg2tzDd3n9k3011JqDxOjxRgPBEII/MCueZCwAQYBLVhX3wu8aNHdaJazaKmgnxTH4iW+uJ5zdOn21LqS2aHYVUq28LJvbcFA2Lu3j1ZfAdi3/L9rHrj+1Zxj8mpf8AhAbH/n+1j/wbXH/xdNaMDxn4reGNd8P+Dfii+bH+zNYvrfULO881pLiKUm1hEbwFApCtEXDeYSchdo61vat8NfE3xGvNUn8VvpekxnQb3Q7KLSZ5bvc10qiW5lZ44iOI4wsS7sfN85zXpH/CA2P/AD/ax/4Nrj/4ul/4QGy/5/tY/wDBtcf/ABdTH3RPU840XwN401LxZper+Jf7Esbax8P3WjGDTLie5Z5ZWtz52540wD5LAoM4wvzPu/d9T8NPDeseH/hzpPh7X0s4LnTbSPTvO067eWOVI41jEuXjQxsSpOwE4zjcc1vf8IDY/wDP9rH/AINrj/4uj/hAbH/n+1j/AMG1x/8AF0PUq97Hk2nfDPx1DoPgzwu7aCui+F9Rs5o74XMzXF7a27/IjwmLbDJsAJIkkyy9s5Ghqnww1WTQdbsH0fQfEsOoa9c6l9n1S+ntPJjcYjkjlSFmjnU45VQRnIfIFek/8IDY/wDP9rH/AINrj/4ukPgKx/5/tY/8G1x/8XVPWxK927OA0f4e+K9D1rwXfPqVtrc+n6NPo+p3V9cyJON7wv50TbH81l8kqRJsLcMXznPK+CfgTrui+K/B+sahY+G4r7RZJ/7Q1yG4ludT1lpbeSPzpJpIVZPmYN5ReQHdjcPLUH2f/hA7L/n+1jr/ANBW4/8Ai6d/wgVl/wA/2sf+Da4/+LpS96zCx5nZ/B/VV8L/AA20meW0b/hHbp5b5kkfbJGbe4h2w/Jy2Zl4baOD1pmlfDTxRcfDmf4a61/ZLeF10ybSYNasZ5TeSRbSkO62MQRXC7dxEz8r0XPHp/8AwgNj/wA/2sf+Da4/+Lpf+EBsv+f7WP8AwbXH/wAXVXDa3keffCv4ZSeEtShubzwP4D0CeCzED6r4YiAnuXJUZwYE8qPG47N0nLDkbcv1C+E73/hZV94gEsKWs+iw6aiZJkWZZ5ZC2MAYxID65ArZ/wCEBsf+f7WP/Btcf/F0f8IDZf8AP9rH/g2uP/i6hq+g4+67niPg/wCBfiDR/EnhTVryx8MxajopmN9rkckt1qOsvLbyRiWaWSJWX5mRvKLOCGwGGwBrsPwX8QXnhvxxpwi0bwnDr2lm0h0fSb+a505br5ybna8MXkZLAMkSHP3mJOK9f/4QOy/5/tY/8Gtx/wDF0o8A2R/5ftY/8G1x/wDF0dLB1ueTeKPg/qXiHxdD4s1Hwd4L8Tahdacllf6RrszSQWrxyO6S29wbRiQwkfzEMQ6Kc8c9l4T8A3Ph/wAYRap9n0uwsk0C30sWOloY4oZo5ZJHCIV4j/eLjn2xxk9R/wAIDZf8/wBrH/g2uP8A4uj/AIQGy/5/tY/8G1x/8XVLRWE9Xc1KKy/+EBsv+f7WP/Btcf8AxdH/AAgNl/z/AGsf+Da4/wDi6QzUorL/AOEBsv8An+1j/wAG1x/8XR/wgNl/z/ax/wCDa4/+LoA1KKy/+EBsv+f7WP8AwbXH/wAXR/wgNl/z/ax/4Nrj/wCLoA1KKy/+EBsv+f7WP/Btcf8AxdH/AAgNl/z/AGsf+Da4/wDi6ANSisv/AIQGy/5/tY/8G1x/8XR/wgNl/wA/2sf+Da4/+LoA1KKy/wDhAbL/AJ/tY/8ABtcf/F0f8IDZf8/2sf8Ag2uP/i6ANSisv/hAbL/n+1j/AMG1x/8AF0f8IDZf8/2sf+Da4/8Ai6ANSisv/hAbL/n+1j/wbXH/AMXR/wAIDZf8/wBrH/g2uP8A4ugDUorL/wCEBsv+f7WP/Btcf/F0f8IDZf8AP9rH/g2uP/i6ANSisv8A4QGy/wCf7WP/AAbXH/xdH/CA2X/P9rH/AINrj/4ugDUorL/4QGy/5/tY/wDBtcf/ABdI3gOyXkX2sZ7f8Ta4/wDi6ANWisDwSzNoAR55blkurmISTuXdlS4kVMkk9FAq9fa/p+nSeXPcL5x4EUQMj/8AfIBJrOpUp0tZuwW5tDRorLt/E2lXAJW+hjIOCkj+W2fRlYBh9Ku2t9b3ys1tPFcIpwTEwYA+nFRGvSqP3Zp/MrlcehM33TWbqH/IXtP+uM3/AKHHWk33TWbqH/IXtP8ArjN/6HHW5JKvSihelFUtiSjqn+qtv+vqH/0Na2/4m+tYmqf6q2/6+of/AENa2/4m+tSULWF4kG7VPDAzj/iZ/wDtvP8A5/Ct2sLxJkap4ZI/6Cfv/wA+8/pQBmeI/HGsW/ix/D3hnQrfWb+3s01C9kvtRNlDBE7ssaqVikLu5jlIBAACnLDNcN8L/G0uoeH/AIdtqcOqXeo6hLq0oZ9SkDxGKST93KisVnwp2AMSFIyOmR3Ov+AdVk8aSeI/DeuWujX11ZR2GoQ6hp7XkU8Ubs8LKFmiKOhklAYkg7zlTgVmeE/g4/hex8IR/wBuy3kvh/7d/pE1sFkuWuSTub5sBgTySDuOeF7TG99e3+YpW0t3OU1r41eLNe+C3iHxf4d0rRrS3Sze4sLyPW/tEkWN25ZYzbFUmQhcxEsuSVLjHPs+hXWpXGjwS6ra21lqLLmaG0umuIUIJ+67RxlhgDnYOSeCBk+ZN8DLzWbPxhLreuWJ1nxJpS6XNf6LpAsUbarBJ5Y2ml82UFgASwwowAOo6b/hLPE3h/y9PuvBmseKbiFQJNW0VbC1tJiRnKRXF95i4Bwc5yQcURt+X5ahrf7/APgGF/wuy+t7HxFqU3hpItJ0vUJdGt3W/DXN9fi4WCKOOLYEVHZlBZpRtbI2kDdW1o/jvXY/E39geJPD9ppmo3FjLf6e2maob2G6WJkWSIs8MLJIpkiONpBD53cHFV/hHHqngvWNHutRu7WfUNXk1yC6hjQT2FwZxcRDBMiMUcL6qcEYqvqPwj1Pxtb6o3i/xHBf3V1pFzo1s+j6abKO1iuAvnuFklmLSN5aDJYABcbeTlg7W0Mfw7+0VYSal4htNZXREn0fSZtXuJPDeupqwjSE7ZopsRRmOZfkwpBDZIyNuKjuPG3jG6+Inw9h1rRP7As75ryYw2GqG5EwW0ZhFOpjjCuCQwAMi8N8wwM24Pgbd6tcS/8ACU67Z6jYPoFx4bGmaRpBsLeK3kMZLRq00rKwEeMZ2kBMKoU7r1h8LfFE3iDwzqmu+M4dSfQI5o4Es9K+z+cZYPK8yZmmfdIDghgFXqCmSCHb3k30CWzRqfCP4iX/AMTNLGsHS9Os9DnTfZS2erfa5hzhoriPykEMq8ZQNJtJIzxXoK8tXnnw/wDhxfeH/FmreJtY1LTr/WdRtYbOeTSdKOnxzLEzFZJlM0pkk+bAYsNq8BRXocdJNOKa7C1uSUUUUygooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKQ0tNbtSYHH+B8/2AQOv2u8xxn/l5lrE1bxVa+E9U1i5e2E88l0iIqkIdvkRk8kHuBW14H/5F8/9fl32P/P1L6Vy3i/4dar4g165vLee0S3kKsiyyOG4RVPQH+7XzmeSxcaCeCjzT/I6cKqblapsZuqfFZbwBrbRrYP/ABNdKJCfbgD2q98OfFN/rHia4ja1tUgmQSzeWpXbgYHUn1rK/wCFO60elzYk5HHmP6+611vw88E3XhSW9ku5YJnmVRGYHJAXnI5A9BXxmX087rY+FTFRainroj0qrw0aTjT3Oz/hx1wO/X2rO1D/AJC9p/1xm/8AQ460m+6azdQ/5C9p/wBcZv8A0OOv1fZWPEJV6UUL0orVGT3KOqf6q2/6+of/AENa2/4m+tYmqf6q2/6+of8A0Na2/wCJvrWRqLWN4k0++vG0ufTxbNPZXguCt07IrL5ciYBCsc5cdvXmtmqupapZ6LYyXl/dwWNpHjfPcSLHGuSFGWPTkgfjQBQXU/FS8HTdHz0x9ul/pDS/2p4q/wCgbo//AIHTf/Ga1wQcYwR7dvy45/WloAx/7U8Vf9A3R/8AwOm/+M0f2p4q/wCgbo//AIHTf/Ga2KKAMf8AtTxV/wBA3R//AAOm/wDjNH9qeKv+gbo//gdN/wDGa2KKAMf+1PFX/QN0f/wOm/8AjNH9qeKv+gbo/wD4HTf/ABmtiigDH/tTxV/0DdH/APA6b/4zR/anir/oG6P/AOB03/xmtiigDH/tTxV/0DdH/wDA6b/4zR/anir/AKBuj/8AgdN/8ZrYpPTpnPB9P89PxoAyP7U8Vf8AQN0f/wADpv8A4zR/anir/oG6P/4HTf8AxmpdC8TaP4miuJNH1Wx1VLaZreZrG4WYQyL96NyvCsD2PNadAGP/AGp4q/6Buj/+B03/AMZo/tTxV/0DdH/8Dpv/AIzWxRQBj/2p4q/6Buj/APgdN/8AGaP7U8Vf9A3R/wDwOm/+M1sUev8A9b+tAGP/AGp4q/6Buj/+B03/AMZo/tTxV/0DdH/8Dpv/AIzWhDqVrdXl1aQ3UMt1a7PPhRwZItwJUOo+6cA8d6sUAY/9qeKv+gbo/wD4HTf/ABmj+1PFX/QN0f8A8Dpv/jNbFUtV1mw0WKB9QvrewS4mS2ha5lWMSSucJGu7qzHjHXk0AVP7U8Vf9A3R/wDwOm/+M0f2p4q/6Buj/wDgdN/8ZrY49x/sntyeBjjHb8KKAMf+1PFX/QN0f/wOm/8AjNH9qeKv+gbo/wD4HTf/ABmtWaZLeGSWWRYYkUs8kjBVUY6sx6Adc+1NtbyHULaG6tZo7i2nQSRyxMGRlPKsCOuQR+VAGZ/anir/AKBuj/8AgdN/8Zo/tTxV/wBA3R//AAOm/wDjNbFFAGP/AGp4q/6Buj/+B03/AMZo/tTxV/0DdH/8Dpv/AIzWxRQBj/2p4q/6Buj/APgdN/8AGaP7U8Vf9A3R/wDwOm/+M1sUUAY/9qeKv+gbo/8A4HTf/GaP7U8Vf9A3R/8AwOm/+M1sUUAY/wDanir/AKBuj/8AgdN/8Zo/tTxV/wBA3R//AAOm/wDjNbFFAGP/AGp4q/6Buj/+B03/AMZo/tTxV/0DdH/8Dpv/AIzWxRQBj/2p4q/6Buj/APgdN/8AGaDqfipv+Ydo4H/X9N6f9cK2KKAMnwvpt1pOjrb3nlfaTNPK4gbcg3yvIBkqD/H6VrUUUAFFFFACN901m6h/yF7T/rjN/wChx1pN901m6h/yF7T/AK4zf+hx0CJV6UUL0orVGb3KOqf6q2/6+of/AENa2/4m+tYmqf6q2/6+of8A0Na2/wCJvrWRqLXmf7SX/JE/E2Ovlwkev+uj6e/149eM16ZWB44s9F1bQX0vX7eW70+/YQm3hSZmkYAyAfuvmH+rJzwOMd8GZK60GjyTx54q8ZWM/wAT9T0/xQ+m2PhCOC6s7GOxgdbjFrHNJHOzqzeW33RsKvlmw5GANaO+8V+NPGHjGysfGU3hnTtMtLKazjt7G2mZJJYCzGVpUYPFnkqCGyOHA69VqWl+FdTt/EVvd6Rqs8PiFFi1RDp96PtCiMRYzs+XCDGU2nvya465+GXh7XvGHinUtbsNXnsdShtraGOxj1O2eSGOLY8U3lqoeMt/A25SCc5ywo6pMjp9xa+G3xO1jxtfw3N46Wlrc+D9P1n7NEqskc8rXIdlYqGK4jXAORwT0Pzcz4BbWvGPj34ZeIL7xPqC3N94La+uYYYrQQysXtDIuGgJCux3kqRyBt2jOfQvEfhXwd4ourW4vtF1MPbWzWa/Z7LULZJLYkH7PKsSos0JK/6pwynd92i38M+ELNvDj22l63aHw7bi0014LXU43it8oBE5UAzJ8iErJuBKqeSpJ0Ll8InxGvteuPHnhDQNI12XQbXUoL6S7lt7eKaUiIRFPL81GXJ3Y5BGD0PFcRr3xI1218YWeoaLqfiDVNBk8Rw6JciaysItJyZfs8sUbEJdu6PkiQb4y6sv3AwX1K6uNGvtY0/Vp7DVHv8AT0kjtpP7OvFESybN4wIwCCY1znP61zDfD7wI+rfbpNB1uWSO+GpxwmLUzBFdCTzPPjgP7uNy2SSijOXBOGIMR2G9zA/tbxFqHiDxLoniLxNrXh/U7mK+k0+ygsLI2M1oj4Sa1maFyZfLCF45XZh5jYRQFI5nw34k8T6F4H+FfhXR7rxDqk2raCNSuLrTYtM+228EUduq28K3OyIIDMOZBJJt46ksvqmjeHfCmh6xLqltpmvPdyiXb9qh1O5jhErb5RFFNuWEO33hGq7gCCDgVQX4f+BI9B07SI9K8Qw2WlyiXT3hXVUnsjt2bYJwRJGm0lfLRgAM8U/soh3toc9Y6t8Q9Q1DwToOq6nd+Gbu+/tQ3kzQ2Mt3cQQtGbdztEsKSFG+bYNh3NhV+UL23xO8RalpcvhfQ9KvW0298Qal9hOq+VHI9rGkMs8jorgpvZYSqblZQWztIG0v0nS/DGjzaTLb6ZrHn6UsyW0s1jfzOPOYNIXd0LSMzDcXck5JOfmNW/FC+HvGWlDTdY0zUrm1DpIrDTb2OSKRDlZY5EQPG6nkOrKR60a6W2K0vqeb+LvF/i7wRH4w0OHxFJql5Yw6Xe6fq2oWkIkiF1dtbvDKsUaxsB5RKkKpxIRk7Qw9Tm0W+t/Btxp03iHULq+MLg6xJFarchiThtoiEPHQZTGFHDNknnbXwr4PtdHvdMbStbuIL2aK4upL221G5uJ5IyrRl5pA8j7SiYyxAGB2rqpPE1lNG6Pa6ptddpH9lXnIIIAJEee5o11Gtz598H+IvEvh/wCHnwm8JaJP4h1GbVdBOqTXWmw6YLyCGOKBVghF1sgCh5RkuHkxgZYkuvYSeKPGA8O6Do+rTeJNN8W3M908Nlodrp01/d2kTgLLK8m+0hAV49/IBZsLjIWunvvCXgzVNB0TSG0fWoLTRlWPTZLW21K1uLMLH5eI54lWVQU+U4YDAqO68GeDryy0uB9N8Rq+miT7LdW41WC6PmEPKrzp+9YM3zMJHbcc56VNr6CVkebWOoa78RI/g7ql/wCIdR0rUG1TULOc2sNkpMkMN2nmspSVfMYRgERkoN52/wADV1z/ABC12PwHPqP9oql9/wAJsNHWSSBci2/tcW4ixt6mI7T1bnrnBG2ng3wOmg6Ro0Gi6tY6fpd017YLYWuo2z20rM5YpJGAyg+Y6hc42tgDFRXnw/8AAl/rL6rPoGsyTtex6oYBb6kLZbyNlZbhIMCNZMoo8wKGPzA5DNnTo0THRnH6n4+8XaF4W8X+JV1W51K4TX5PD+laTFbWwiiD3qwJKxIQySKCQu6RUA27gOWrtvhbceNf7a1a28QWmtto3kRyWd14i/s0XHnbnEkeLFtrIFEZG4bgd2SeANCfSPCcmg6tosuiajcaZqss015bzaXeSLM8rbpGOUJBJPQcLjjFL4XsNA8G/bJNPt/EcklxtV5dTTU75iqbtqhp95Vfmb5V2qCTx0qU7Nob1SZxZ0fXdY+KvxLGleLJvC0dvDYyrJbW1vK7y/Z2IMxmjceWMHKqFYgfeAznJ1T4p6/4w8I6Fe6Le69aeIJfD0Ws3en+G7Kxkgh8xCUmmmvmC+UxQhY0cSEKWOQNw7PxJ4D8EeKtV1DVNR0bXvtuoRrDeSW0Wp2/2qJQVEUqQlVdMcFGBU55BqfxB4L8F+JLpLm90bVwVtUsWitbTUIIJrZCdsM8UIVJo/mPyOGXDEbcEgqLtGIf1+Bg+FfFviX4geKvDgTW5NG02bwxYa9cWen20TefNI7ZjDSoxETAYwpDYA2spyxoeFfFfiv/AIQXwP4h1HxLPqFz4g1e0t54PsdtHBHAxlDIm2MN8wC5YscEHG0ZFd/oVj4a8MzW8+m6TqlvJbadDpMJ+wXz7bWIsY4sshJxvb5vvep7BtrpfhW10bRdKh0fVFsNHnS5sI/7NvT5MiZ2Nkx5JG48HjOD2FK25O8Ueb6b48+IvjDWLrV9D0vXnsYNdl0+KzWPSk0x7WG5MEzS75ftfnBVd8jaAQgCOAS3d/C+81/xFqfiPU9U12e5srbV77TrTS47eFIkjjmwjswXzC4AK/eUbRyufmpp8H+Dv+Egl1pNL16K7muku5YbWLU4LWeddu2WW2TbDI+VUlmQ5xnqK3tEvNE8OrcR6dp+qW6XVxJey/8AEsvZN8jtvdstGcZJOBkY7CrWisU9zgPFGo+IfGU/xJax8US6DY+GlaygsUtIZI7lvsiTvJdGWMuUPnbR5Tx8KeWOCMC88Uara+AvCumeGtV8RQ6rYeFLW9ntdBsrBo4kaLCTXM16uwLmNgI4nWQhXOMAbe98Q+DvBXizUrjUdU0bW3nuoEt71IbbU4Yb2NdwVbiFAqTgBiP3qNw3Wo9S8CeCNUFr9o0LWilrYJpnlQQ6nHHPbIGCwzqpCzoAxwJA33j0JIoXmL7TscnoE2peMPil4A8TXOu32m/bfCMmoTafax24gX95ZtJCC0LOEYuCx37gQCrAA0nhH4ka9dfEDwpLDqGvat4W8TSXSRXGrWNja2ciLDJPG9oqBbpVATC+evzKdwI43dxH4b8ILJ4ekTStZhfQYBaae0NrqEbJBhB5T4Qeah8qP5ZcgsgPXmqWh+AfAvh7UtN1Gy0bXFu9MdjYtcQ6rOtkHUq6QrIGESFWx5aAIcKccCmviXYT1j5nqXBz+vue+ffikrH/AOEosxkLaaoOc/8AIJuh7do/YUv/AAlFr/z66p/4Kbv/AON1DSbuik2o2Zr0Vkf8JRa/8+uqf+Cm7/8AjdH/AAlFr/z66p/4Kbv/AON0wNeisj/hKLX/AJ9dU/8ABTd//G6P+Eotf+fXVP8AwU3f/wAboA16KyrfxNZz3lvbbLyCWd9kX2jT54lZgpfGXQDOFbjOeK1FxxgcY/IdRx+NAC0UUUAFFFFABRRRQAUUUUAI33TWbqH/ACF7T/rjN/6HHWk33TWbqH/IXtP+uM3/AKHHQBKvSihelFUtiSjqn+qtv+vqH/0Na2/4m+tYmqf6q2/6+of/AENa2/4m+tSULWVq3/Ib8M/9hB//AEkuK1aytW/5Dfhn/sIP/wCklxQB0/8AFS0n8RpaACiiigAooooAKKKKAEpaKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKZKoZQD68f5/xr5z/AGj/AIe/H/xJ4o8N33wf+KEHhXSZZ1g1nTdQ0uznW3h5JuIXlt3ctxgxscEkHIANAHt3ir/kIeGv+wg//pJcUmtakdJ057kReewKII920MXcIMnBwPm61lTafdaVH4Os77UrjWb2G6KzahcxRxvcN9kucuVjVUUtycKoHT8Z/Gk622gPM/KRzW7n8JkP9K48ZV9jQnUvayNKceaSQvmeIlHnMunsckm1G8EAkkDfyCfwpl34g1HT4fPudIVIQQGIug5GSB6A968evPHGtXVzPImpXEcbsWCpJgKCTgYrDeRpnZ3ZnZjuZm5JPrmvzCvxZGlPkoKTfm1b5aP80etHBt6y2PpzPYduD7enNFZXhfTv7J8P2FqfvRwru/3jy36k1rD1r9UozlUpxnJWbVzx5pRk0lcT8M/5/X6V4p8b/wBoSD4a6vpmhWdncX2p3pxJcQxeYkQzjAX/AJaPnHy/wjNdf4++IH9lb9N04+ZfsNsjKMiLPYDuTUHgz4ZW8bQaprVvHdaijieCOYbhC+Dhs92wTz2ya8T+1PrGM+p4aPMl8b6R/wCCdMaPs4883bsjsvDt1e3mh2U+oxLBeyRhpI14xnpx2OO3atGue8faZrureF72DwzrP9ia5t32t0Yo5EMg6KyurDafXHHBqv8ADbTfEml+FLOPxbq/9ta8y77mZYIokjY9UURqowPXbzX0KXLocjd2dQ33TWbqH/IXtP8ArjN/6HHWk33TWbqH/IXtP+uM3/ocdMCVelFC9KKpbElHVP8AVW3/AF9Q/wDoa1t/xN9axNU/1Vt/19Q/+hrW3/E31qShaytW/wCQ34Z/7CD/APpJcVq1T1PSLbWFgS58xTDKJYnimkiKuARnKMD0YjGcc0Ab38Rpa5X/AIRaz7XOqg++rXQx/wCRKP8AhF7X/n61T/wbXf8A8coA6qiuV/4Re1/5+tU/8G13/wDHKP8AhF7X/n61T/wbXf8A8coA6qiuV/4Re1/5+tU/8G13/wDHKP8AhF7X/n61T/wbXf8A8coA6qiuV/4Re1/5+tU/8G13/wDHKP8AhF7X/n61T/wbXf8A8coA6qiuV/4Re1/5+tU/8G13/wDHKP8AhF7X/n61T/wbXf8A8coA6qiuV/4Re1/5+tU/8G13/wDHKP8AhF7X/n61T/wbXf8A8coA6qiuV/4Re1/5+tU/8G13/wDHKP8AhF7X/n61T/wbXf8A8coA6qiuV/4Re1/5+tU/8G13/wDHKP8AhF7X/n61T/wbXf8A8coA6qiuV/4Re1/5+tU/8G13/wDHKP8AhF7X/n61T/wbXf8A8coA6qiuV/4Re1/5+tU/8G13/wDHKP8AhF7X/n61T/wbXf8A8coA6qiuV/4Re1/5+tU/8G13/wDHKa3he06m61Q45/5C93j8f3ooA6yivO/tnhNcj/hKDwSM/wDCRTg57jBmzxSfbfCf/Q0N/wCFFN/8eoA9Forzr7b4T/6Ghv8Awopv/j1H23wn/wBDQ3/hRTf/AB6gD0WivOvtvhP/AKGhv/Cim/8Aj1H23wn/ANDQ3/hRTf8Ax6gD0WivOvtvhP8A6Ghv/Cim/wDj1H23wn/0NDf+FFN/8eoA9Forzr7b4T/6Ghv/AAopv/j1H23wn/0NDf8AhRTf/HqAPRaK86+2+E/+hob/AMKKb/49R9t8J/8AQ0N/4UU3/wAeoA6TxV/yEPDX/YQf/wBJLinarpVtrVjJZXkfnW0gG9NxXIBz2I9K5y31DwjBeW9z/wAJDDPLA++IXOuNKqsVKZAeUjOGbnGeTWoPGnhwYxr+l4IyP9Mj5HQHO72NRKEakXGaun0Gm07opf8ACtfDbFj/AGd3z/r5BjP/AAKhfht4cjZWGn4IOQfPkOD+Zq9/wmvh3/oPaX/4GR//ABVH/Ca+Hf8AoPaX/wCBkf8A8VXmLK8ApczoK/ojb2tX+Y2VXYoGMYGCP5e9Z/iO41C10O9k0m1jvdSWM/Z4JZNiNJ/DuPZQcE+wP0qt/wAJr4d/6D2l/wDgZH/8VSf8Jp4d/wCg9pf/AIGR/wDxVepGK5eXZIyu73ZS0rwTZW2rf2rcRD7aw3NGGyiuerD1J7n9BXU4OBng+3esT/hNfDv/AEHtL/8AAyP/AOKo/wCE18O/9B7S/wDwMj/+Krnw+FpYVONKPLffzKnOVS1zaorF/wCE18O/9B7S/wDwMj/+Ko/4TTw9213Syf8Ar9iH9TXUZmy33TWbqH/IXtP+uM3/AKHHVuzvbfUbVLm1uI7q3cHZNC25H9eRxVTUP+Qvaf8AXGb/ANDjpPVASr0ooXpRWiehXu3KOqf6q2/6+of/AENa2/4m+tYmqf6q2/6+of8A0Na2/wCJvrUEi0UV5p+0hp8WrfBXxLYzAmG5SGB9pwcNPGufwzUy2GtWel0V85+JPEOq678Hx4DnnZvEfmXOj6pOCCxtbaLzJpjkEYnh8oDIPN2taFx8RtQ8I/DnwZa6NrOlw348N291/Z0miX2rXMoEKbW2WrBoIQRgzMrDJxxtrRq1/NkRe3oe+UV4lrXxx1rS7Xw3dRaXayr4y0y3fQIcOWj1GQKxiuHU7WjCSCTcoU7YZB94oDL4g8dal4Nb4kajaaXoc+vaRFpkbXUdo0BvmdQMSsGLbQXfYNx2g4JJHOXN+v4FvSx7RRXjN54s+J1v4k1/w8lx4UN7pulRaxFqDWFz5Tq7Sxi2aH7RuB3QtibfgjH7vmtzwb8UbzxZqwX7PFb2U3hmx12KMgtKsk7TbkY7grKBGvRQeWya0a1uCV3Y9KorxLQ/iR448bL4ZtdHPh/TrnUvCkOv3NxfWk08YnYgGJY1mj+Rs/eLcYP3qseBPin4r1248Balq1vo8OjeL4pBHYWccrXNlIIGmRmnaTbKrKjjb5SFdyctg0ou75SXs2ey0Vw3jbxRrUXizQ/C3hyXT7XVNRtbm+mvdUhkuY4IIfLU4iSSMyMzTIOXAUAnnAB8y8Maje2VtfR65pmkajeXHxEW1m3QGWJG8qPZPBnmOTKhh98oTjJIDUa6jk7SPoaivGLX4g+KPEWqeK9K/tbQtB1CyjvPJ0O9024+2xwxuUjuwzToLiFwM5iVVUyKN5IKtS0Hx34j0D4R+AZr/wAVaSdd1WyinWS40O81C7uYxAjELawzGWeQfekm3BRtyVG7cG/dVwPdKK8Q0H4ueLPGVj4Dh0m10rTtQ1yPUEvbi+tJ2jt3tHWMvHAzRvtZt37t2Vl3HnKHdPoHxc8SeL4/D2hadHpNl4oun1L7fezwTXFnbxWVx9neSOIOjP5shTaDJhVYklsYKFfS57RRXinir4seJND8RxeFYZbcazZ6fHe6jqNp4X1DVLd3kd0jiSC2fdHkRlt0kmP4QG52+neB9du/E/hHSNWv9Mm0e+u7ZZZ7CdHR4HI5Qqyqw5z94A89BnAAb2N2iiigYUUUUAFKvX/62aSigDH+HdlA/gXQS0EbH7HHyUB7V0X2C3/59ov+/a1h/Df/AJEPQP8Aryj/AJV0tAFb7Bb/APPtF/37Wj7Bb/8APtF/37WrNFAFb7Bb/wDPtF/37Wj7Bb/8+0X/AH7WrNFAFb7Bb/8APtF/37Wj7Bb/APPtF/37WrNFAFb7Bb/8+0X/AH7Wj7Bb/wDPtF/37WrNFAFb7Bb/APPtF/37Wj7Bb/8APtF/37WrNFAFb7Bb/wDPtF/37Wj7Bb/8+0X/AH7WrNFAFb7Bb/8APtF/37Wj7Bb/APPtF/37WrNFAFb7Bb/8+0X/AH7Wj7Bb/wDPtF/37WrNFAFb7Bb/APPtF/37Wj7Bb/8APtF/37WrNFAFb7Bb/wDPtF/37Wj7Bb8H7PEP+AAVZpDQBx3gdQvh3aOB9rvOAMf8vMtXNQ/5C9p/1xm/9Djql4I/5F9v+vu8/wDSmWruof8AIXtP+uM3/ocdAEq9KKF6UVS2JKOqf6q2/wCvqH/0Na2/4m+tYmqf6q2/6+of/Q1rb/ib61JQtYvjLwva+NPDd3o97JNFbXGze1uQHG11cYyCDyo4IOelbVFJ6jOOuvhbod14s13xEUlTVNY04aVcOjfKIucsoGDvYGMMzE8RxjtWTdfBLTZxElrrmt6XAdKh0W7isZYAL61iDBEkLREoQrv80RjIEh+tej0VT1sStLnms/wH0C60lbG6u9TvUg0eHSbKWaZBJYxxkMsluwX93KXSJy7Z+ZE/hXaNTVPhRpeq2/iGO6vr+U62toLuYmNWzbgFCNqAAnA3DbjGcbea7aip3Gc/P4NsZvE2q640twt1f6dHpkqtIvlrFG8rZzjhszPk5PGPpXLt8ENNih0yKx1vXNKFnpMeiXBsp4Ve+s0yVimYxEq3LfPD5bjzWwR1HpFFVfYDjfCXww0rwfNpcllPeSf2bosWhQ+bIhBt4zkMfl+Zj6jAAyMDFJpHwt0vRdP8GWlvPdmPwpn7EZHXdJmB4MS/Lz8kjfjmuzopdbiaurHLeMvAEHiu+03UItV1DQtY03zBbalpRjMixuoEkRWVJEdGCrldmcqpBBGaydJ+Duk6ParB9u1K6Zdb/wCEiee6nVnlu9uGJPl8IxGSAOM8BRgDv6Ka6+YNbHF2PwsgXxENV1LXNZ1+SFLiKyt9SeDZZJMfnEbRxo7HAC5ldyAoxisbT/ghb6bYaDFZeLfEFpcaLbS2VlextZtKlk4jzbMWtyrL+5QhsGQYHznNem0Uvi0GcJ4U+EWjeEH8PGxudQf+xRe/Zxdyhy/2uUO4kYpuYqQADuBH8RY81SX4I6ZbQ2r6Zq2raPqlnfXl9baraNCZ0N1KzzxFWiaN4i2DtkVvuoQQQK9Ioo8w20OCuvhQs2oWOp2fijXtL12GzWxn1a0e1klv4Q28LMjwvESrFiCkakByFKqcV2WmWA02xtrfz57kwxLF51xJvkfaoBLNjls9T65xjNW6KACiiigAooooAKKKQ5xxwfrg/h70AZ3w3/5EPQP+vKP+VdLXEaf4Pm0yygtbXxHq8FvCgjjjUwEKo6DmI9sd6sf8I/ff9DRrH/kt/wDGaAOvorkP+Efvv+ho1j/yW/8AjNH/AAj99/0NGsf+S3/xmgDr6K5D/hH77/oaNY/8lv8A4zR/wj99/wBDRrH/AJLf/GaAOvorkP8AhH77/oaNY/8AJb/4zR/wj99/0NGsf+S3/wAZoA6+iuQ/4R++/wCho1j/AMlv/jNH/CP33/Q0ax/5Lf8AxmgDr6K5D/hH77/oaNY/8lv/AIzR/wAI/ff9DRrH/kt/8ZoA6+iuQ/4R++/6GjWP/Jb/AOM0f8I/ff8AQ0ax/wCS3/xmgDr6K5D/AIR++/6GjWP/ACW/+M0f8I/ff9DRrH/kt/8AGaAOvorkP+Efvv8AoaNY/wDJb/4zR/wj99/0NGsf+S3/AMZoA6+iuQ/4R++/6GjWP/Jb/wCM0f8ACP33/Q0ax/5Lf/GaAOvpDXI/8I/ff9DRrH/kt/8AGaP+EevT18UawR1PNuP/AGjQBH4I/wCRfb/r7vP/AEplq7qH/IXtP+uM3/ocdP0XSU0PTVs0mlnCs7mScqXZmdnc8Y/iY9qZqH/IXtP+uM3/AKHHQBKvSihelFUtiSjqn+qtv+vqH/0Na2/4m+tYmqf6q2/6+of/AENa2/4m+tSULWZ4k8Q6f4T0K91jVbpLLTrOMyzzSAkKo9gCWPoqgljgAEnFadef/HLR77WPAJNhbSX72Oo2OpS2MKlnuYbe6jmkjVR98lUOFwd2Md6T2Gtxun/FpJ9R0q31Xwvr3hu21VhHY32rR24gnkK7ljbypnaJ2X7olVQSoXO7iu/wx5ZueRuIIOR/F7fjwCvvXi3xC8eeHfi74f03w14N1e01/Vr/AFGyuDHYy+d9hhiuYppJbkDmEKq7QHwdzBAM1xuo+LNL0/w/d+Fp71U8RD4iRSvpWG+0RxyaykyTNGASIWR4z5n3CJFUfNirWsrE9f608j6N0nxBYa3c6pb2U/nSabdfY7pfLZfKl2I5XJ6/K6njjmtGvk7xVo3hLw/4Z+N9nZ6fp+m68moRO1vp9ukGofYylmwKKgD+WZN2CPl35I+atDXrHwzrV14rtvhVFbXlnceDtSTWf7C2vHcXLAfY1m2cvdFvtPLfOAeeMipi+Zh3Pp25uI7O3knmOIYkZ3OM4UAknH0yePSq2h6xZ+INFsdUsJ/tNlewJcQTbGTzI2UMjYbnkNn8a8EbxF4W+K3jbQdP06Sx8TaePBmox3MccYubfe0ljiCTPHmKRkxffXKlgMrntf2eW0WP4H+Hv+EXj0xXGnRfao7FUVRfCFPME4T/AJahtofPzA9ap6ILWsep1R1zVotB0XUNTnR5ILK3kuZEjALFUUsQuSBnjjJHNfN3hGXQW+F99N4fFhJ8eF0a8+17wDra3+w+d5uSJNnmY2bvl27NgPyiqfg3R9A/snWtR0Dxd4VvJF8LXwvtL8N6NLa3VwpiXEl+XupW80NnBlVZCXk5+8AkuZFvY+htG8eadrmt2emQQ3KT3Wkx6zG0iAKIXbaFbn/WZxnGRx1rpC23nAYdwxwPx4NeP/D3H/Cw/DoxnPga1PXJ/wBauOfT19qwPi9JoVj8WNM1G/8A7C8U6l5djBF4Y1MquoQg3DEXenE5w5LDeoVc+Sp8xcYM/asT0ue56bqE9495HPYXNj5ExhR7ox/6SAAfNTY7fKc4+bB46Vdr5k8VeJfCnhzwb4qXxNp/h/Vru88X3ttpFv4ijhNqt0yqPNcy8JGg3F2/unH8XONrGh+FdB0fwHo+ieIvB83w5jF6dQ1XUrJL7SLvVD5RU3KxTRRIxHnNGGfYCEAGfLw1pKwdLn1pRXCfBPSodI+H1pDaa7a+IdPNxcSWt1p9s1varG0zERQI0sn7pDlU+YjaBtO3Fd3TcRJ82oUUUUhhRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAI33TWbqH/IXtP+uM3/AKHHWk33TWbqH/IXtP8ArjN/6HHQBKvSihelFUtiSjqn+qtv+vqH/wBDWtv+JvrWJqn+qtv+vqH/ANDWtv8Aib61JQtZPiDWLnSv7PjtLSO8uby5FsiSzmFQdjvnIVv7nTHfrWtWF4k/5CnhjjI/tP8A9t56e4h/2nxP0/sLTh341NgOev8Ayxo+0eKP+gHp/wD4NG/+M1b8S+NvD/g5LZtf1/TdDW4by4JNSu0thK4HRd5AJ9ufpWN4d+KukXngSHxVrd1Y+F9Oknmg8zUb2OOJPLmeJcyNtX5tmR7GpTuN6FTxf4f13xp4fudGvtItYbW5Me+S31Zg42urjGYPVRWwtx4n2/8AIC0/r/0Ez7d/I71YvfiB4X03R7TVbzxLpNrpl3EJ7e+uL6NIZYyFw6uzbWHzKcjjketR2vxH8KahqWnadaeJ9HudQ1KIXFlax38Ty3URBIkjQNl1wrEleMA54yaYDPtHij/oB6f/AODRv/jNH2jxR/0A9P8A/Bo3/wAZrF17x9r3hTXNPGqeGrWHw1fapHpkeo2+pmS6jeQ7IpZLfyAixs+1ciZmAdCVB3BX6J428S+JPFWsWmneH9JbQtL1M6dcX9xrEqXJKxxs7Jbi1ZeA+MGQZx1GaANf7R4o/wCgHp//AING/wDjNH2jxR/0A9P/APBo3/xmuRuvjRd2l9Nqa6AjeDIdZGhS6y18wnWfzfs5lFv5RVoBMRHu80HOW245ro/D/wASNN1CzvrnUJLTQ449cn0SEXV0o+0zJIY0ALAfO+PuDJA4zxQBb+0eKP8AoB6f/wCDRv8A4zR9o8Uf9APT/wDwaN/8ZrqY+rZJJz3HvmpKAOS+0eKP+gHp/wD4NG/+M0faPFH/AEA9P/8ABo3/AMZrraKAOS+0eKP+gHp//g0b/wCM0faPFH/QD0//AMGjf/Ga62igDkvtHij/AKAen/8Ag0b/AOM0faPFH/QD0/8A8Gjf/Ga62igDkvtHij/oB6f/AODRv/jNH2jxR/0A9P8A/Bo3/wAZrraKAOS+0eKP+gHp/wD4NG/+M0faPFH/AEA9P/8ABo3/AMZrraKAOS+0eKP+gHp//g0b/wCM0faPFH/QD0//AMGjf/Ga62igDkvtHij/AKAen/8Ag0b/AOM0faPFH/QD0/8A8Gjf/Ga62igDkvtHij/oB6f/AODRv/jNH2jxR/0A9P8A/Bo3/wAZrraKAOS+0eKP+gHp/wD4NG/+M0faPFH/AEA9P/8ABo3/AMZrraKAOS+0eKP+gHp//g0b/wCM0faPFH/QD0//AMGjf/Ga62igDkvtHij/AKAen/8Ag0b/AOM0faPFH/QD0/8A8Gjf/Ga62igDkvtHij/oB6f/AODRv/jNH2jxR/0A9P8A/Bo3/wAZrraKAOS+0eKP+gHp/wD4NG/+M0faPFH/AEA9P/8ABo3/AMZrraKAOS+0eKP+gHp//g0b/wCM0faPFH/QD0//AMGjf/Ga62igDkvtHij/AKAen/8Ag0b/AOM0fafFAI/4kmnjnqNUbj84K62kNJgc14b1Z9a0lLqS3W0lMssbwpJvClJDH1wP7npWnWB4HOPD7YwD9rvOp/6eZar3LNe6rqi3upy2dhaTLGkcciw7iY1b7y/MR8x4/wAK5cRXdC1i4Q5rnT0VxV7rFnoi5XxUyxMfkj2rcsOPUAnH1qfwn4ytdT1aex/tX7e52/ZpDB5e4bTnsK4KebUHVjRk7Sfmv8/0NXRkouS2Otb7prN1D/kL2n/XGb/0OOtNsbT2GBgfzrM1D/kL2n/XGb/0OOva31OclXpRQvSiqWxJR1T/AFVt/wBfUP8A6Gtbf8TfWsTVP9Vbf9fUP/oa1t/xN9akoWsLxJzqnhkcf8hPv/17z/5/Gt2ua8Z6hbaXceHLm8mjt7aPUwXkkICgfZ5vWgDl9euG8JfGG/1rV9I1DU9L1LQ4dPsbrT9MmvvJkSaVpoZFiRjGJRJCdzYVvKwT8gz5doHhHXNE8O/DC/lt/E/hbR9KTVreS30TTI72806eW4JhZ4Ht7gsnlrJH5kacbxghHNfRQ+Inhj/oP6eeP+fhad/wsTwx/wBB7T//AAIWpSt/XYe+h5J4Y8Bw2fiL4bXNnb65qGnw3usagbrXbBbeaGWZTh3jSGNYN7M7KpRD85yu4kCtp/gKfTvA4httAmtLgfET+0xDDaFHWEap/rwABtXyB98fLsJ7cj2T/hYnhf8A6D2n/wDgQtH/AAsTwx/0HtP/APAhaq+/mQlr6HlcfieLxZ4/e58V6f4otINH1KSHR9Jh8Nag9qZI2KLfTTJAySMx3NGN2xEYMcsQVZ4v0nRvEHjnS5vC/gq/0vxtbeIIJ73Xl0SSxUWscuLl5b0oqTpJCGUIHcsXjO0bSyer/wDCxfDH/Qf0/wD8CFoPxF8Mf9B7T/8AwIWk+g11PFpNJ1dvCNz8Nm0jVF1aTxE1wL9LCYWP2I3/ANt+0faFXy1YR/KED+Z5gGFAyag8E+H9b8H/ABS1PxHrmkajquhXmtahb6asNlM76LJJPIxuBCoJeO4UhTOBmPaAcIzEe3/8LE8Mf9B7T/8AwIWlHxE8Mf8AQf0//wACFo8we1jetwOWH8QB65x+P4epqb+I1zf/AAsXwx/0H9P/APAhaX/hY3hj/oPaf/4ELT3BaaHSUVzf/CxfC/8A0H9P/wDAhaP+Fi+F/wDoP6f/AOBC0DOkorm/+Fi+F/8AoP6f/wCBC0f8LF8L/wDQf0//AMCFoA6Siub/AOFi+F/+g/p//gQtH/CxfC//AEH9P/8AAhaAOkorm/8AhYvhf/oP6f8A+BC0f8LF8L/9B/T/APwIWgDpKK5v/hYvhf8A6D+n/wDgQtH/AAsXwv8A9B/T/wDwIWgDpKK5v/hYvhf/AKD+n/8AgQtH/CxfC/8A0H9P/wDAhaAOkorm/wDhYvhf/oP6f/4ELR/wsXwv/wBB/T//AAIWgDpKK5v/AIWL4X/6D+n/APgQtH/CxfC//Qf0/wD8CFoA6Siub/4WL4X/AOg/p/8A4ELR/wALF8L/APQf0/8A8CFoA6Siub/4WL4X/wCg/p//AIELR/wsXwv/ANB/T/8AwIWgDpKK5v8A4WL4X/6D+n/+BC0f8LF8L/8AQf0//wACFoA6Siub/wCFi+F/+g/p/wD4ELR/wsXwv/0H9P8A/AhaAOkorm/+Fi+F/wDoP6f/AOBC0f8ACxfC/wD0H9P/APAhaAOkorm/+Fi+F/8AoP6f/wCBC0f8LF8L/wDQf0//AMCFoA6Smt2rnf8AhYvhf/oP6f8A+BC0jfEbwxx/xPtP/C4WkwKXgdd3h9lPRru8B/8AAmWvM/iZqDN4gv7Ifc89J2/3jBGB+gNek+AZkuPDazRuskUl5eMkiHIYfaZOa6KvDzbLZZpQVCM+T9TpoVPYvmPmHjjPqD+teifBmwEmp314RnyYlRfqxz/SvWqK+by3hOOAxMMQ613F3tb/AIJ11cd7SDhy7g38QzyOorM1D/kL2n/XGb/0OOtJvums3UP+Qvaf9cZv/Q46/QTyyVelFC9KKpbElHVP9Vbf9fUP/oa1t/xN9axNU/1Vt/19Q/8Aoa1t/wATfWpKFoorzn9onxbqvgT4J+L9f0O6Flq1hYvPbXBiSXy3HQ7XBU/iDSGj0aivjX9jD4/+Pfit4q8U2firXzqtvY6ek9uhtIItrtJGCSY41LcM33sjmvoH4Q+LtW8Ua98R7XVLr7VBpPiWbT7JTEi+VAqREJlQC3Lty2Sc9elOWhK6npNFE/7m3mdSdyxyMCx3cjBHX60nRWPdQSPwUEZ9eSaa21GLRTmULI4AwNyDH1bB/SqyysLBZeN+QOgxyRnjp3NIRPRTY+LiNP4WjRmB5ySTXl99401mH9pPRPCiXu3QbjQ7q8ktRGmWmSWNVbfjeMBiMBsc9Kb6IfQ9SorzXxh4w1fSfjV8PtBtbvytK1SDUGu7fykPmGOAMh3EblwSehGc816LuLSRrngyKnHBwd3frnjr1qU7x5hv4iWiuM+I3iHUNDm8Diyn8kalrcdpdAorCSIxSsV+YHHKqcjB4rrpHMYcDsitlhk5OM5J60xEtFRQsW88E52uVGeTgFgMnv0H5Vx//CQah/wtjTNI+0f8S648Oy38sOxfmmWeFQ2cZGBI/AOPm6UB5Ha0UUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAjfdNZuof8he0/64zf+hx1pN901m6h/wAhe0/64zf+hx0ASr0ooXpRVLYk/9k=)

1. Click Run to create a new *continuous* grid of distance to any road. Just like dem250k, you can’t view the attribute table because there are too many values for ArcGIS to calculate.[[37]](#footnote-37)
2. Use *either* the reclassify tool or raster calculator to reclassify all lands greater than 1 km from roads as “1” (meaning best habitat), and lands less than 1 km from roads as “0” (meaning poor habitat).
3. **Practice: Use the OTHER tool you didn’t use above and compare the results. Are they the same?[[38]](#footnote-38)**
4. Now you have three layers of Pine Marten habitat suitability: Suitable soils (1 = yes), Suitable elevation (1 = yes), and suitable distance from roads[[39]](#footnote-39) (1 = yes). You want to combine these layers to create a single grid of habitat suitability.
5. You’ve just run into a research question. Does the Pine Marten require all three of those suitability criteria to be met? Or, is it okay for the Pine Marten if any of those conditions are met (e.g., either 500-600 m OR Mu/MuG bedrock AND suitable distance from roads?).
6. Let’s start by assuming all three conditions must be met. This is known as a conditional “AND” statement.
7. In other words, we need all three characteristics – soils AND elevation AND road distance to be TRUE (1) for the area to be a good Pine Marten habitat.
8. We could label these each alphabetically or with variables A, B, C. Therefore A & B & C identifies areas where all three overlap, or can be considered ‘true’ (that is, they have a value of 1).
9. Open Raster Calculator and click to create the following statement: “Suitable distance from roads” & “Suitable elevation” & “Suitable soils.”[[40]](#footnote-40)
10. Your map[[41]](#footnote-41) should look something like this:[[42]](#footnote-42)



1. There are a total of 246091 pixels on suitable soils, within the suitable elevation range, and more than 1 km from a road.
2. Now, let’s assume that we want to define suitable habitat as land that must be greater than 1 km from a road, but can be **either** on suitable soils OR within the suitable elevation range.
3. Now use raster calculator to identify areas that are suitable distance to road and either suitable soils or suitable elevation range. In raster calculator, you have to be careful with the expression and where you put parentheses. Here’s that expression: “Suitable distance to roads” & (“Suitable elevation” | “Suitable soils”)
4. Using this definition of suitable habitat for the Pine Marten, we get a much larger land area.[[43]](#footnote-43) There are a total of 1385588 pixels that are more than 1 km from a road and on *either* suitable soil *or* at suitable elevation. How you select your criteria for modeling suitability really affects your end result.



1. We’ve now got a model result that we like. But, the calculation is probably saved in a temporary file or named something inscrutable like raster8. To rename the grid and save it in your lab6 folder, export a copy by right clicking the file and selecting Data > Export Data. Navigate to your folder for the save location, and make sure the output format matches what you’ve been using – either TIF or GRID.

![A picture containing table

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAeAB4AAD/4REERXhpZgAATU0AKgAAAAgABAE7AAIAAAATAAAISodpAAQAAAABAAAIXpydAAEAAAAmAAAQ1uocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFNvcGhpZSBBcmdldHNpbmdlcgAAAAWQAwACAAAAFAAAEKyQBAACAAAAFAAAEMCSkQACAAAAAzc4AACSkgACAAAAAzc4AADqHAAHAAAIDAAACKAAAAAAHOoAAAAIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAyMDIwOjAzOjMxIDEyOjQyOjQyADIwMjA6MDM6MzEgMTI6NDI6NDIAAABTAG8AcABoAGkAZQAgAEEAcgBnAGUAdABzAGkAbgBnAGUAcgAAAP/hCyVodHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLjAvADw/eHBhY2tldCBiZWdpbj0n77u/JyBpZD0nVzVNME1wQ2VoaUh6cmVTek5UY3prYzlkJz8+DQo8eDp4bXBtZXRhIHhtbG5zOng9ImFkb2JlOm5zOm1ldGEvIj48cmRmOlJERiB4bWxuczpyZGY9Imh0dHA6Ly93d3cudzMub3JnLzE5OTkvMDIvMjItcmRmLXN5bnRheC1ucyMiPjxyZGY6RGVzY3JpcHRpb24gcmRmOmFib3V0PSJ1dWlkOmZhZjViZGQ1LWJhM2QtMTFkYS1hZDMxLWQzM2Q3NTE4MmYxYiIgeG1sbnM6ZGM9Imh0dHA6Ly9wdXJsLm9yZy9kYy9lbGVtZW50cy8xLjEvIi8+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczp4bXA9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8iPjx4bXA6Q3JlYXRlRGF0ZT4yMDIwLTAzLTMxVDEyOjQyOjQyLjc3NjwveG1wOkNyZWF0ZURhdGU+PC9yZGY6RGVzY3JpcHRpb24+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iPjxkYzpjcmVhdG9yPjxyZGY6U2VxIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpsaT5Tb3BoaWUgQXJnZXRzaW5nZXI8L3JkZjpsaT48L3JkZjpTZXE+DQoJCQk8L2RjOmNyZWF0b3I+PC9yZGY6RGVzY3JpcHRpb24+PC9yZGY6UkRGPjwveDp4bXBtZXRhPg0KICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICA8P3hwYWNrZXQgZW5kPSd3Jz8+/9sAQwAHBQUGBQQHBgUGCAcHCAoRCwoJCQoVDxAMERgVGhkYFRgXGx4nIRsdJR0XGCIuIiUoKSssKxogLzMvKjInKisq/9sAQwEHCAgKCQoUCwsUKhwYHCoqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioq/8AAEQgAQQFwAwEiAAIRAQMRAf/EAB8AAAEFAQEBAQEBAAAAAAAAAAABAgMEBQYHCAkKC//EALUQAAIBAwMCBAMFBQQEAAABfQECAwAEEQUSITFBBhNRYQcicRQygZGhCCNCscEVUtHwJDNicoIJChYXGBkaJSYnKCkqNDU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6g4SFhoeIiYqSk5SVlpeYmZqio6Slpqeoqaqys7S1tre4ubrCw8TFxsfIycrS09TV1tfY2drh4uPk5ebn6Onq8fLz9PX29/j5+v/EAB8BAAMBAQEBAQEBAQEAAAAAAAABAgMEBQYHCAkKC//EALURAAIBAgQEAwQHBQQEAAECdwABAgMRBAUhMQYSQVEHYXETIjKBCBRCkaGxwQkjM1LwFWJy0QoWJDThJfEXGBkaJicoKSo1Njc4OTpDREVGR0hJSlNUVVZXWFlaY2RlZmdoaWpzdHV2d3h5eoKDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uLj5OXm5+jp6vLz9PX29/j5+v/aAAwDAQACEQMRAD8A+iaqX+radpSI+qX9rZLIcI1xMsYY+g3EZq3XOaHGs3i3xBdXKg3kU0dvEW6pB5asoHoCxc+5HtR1A6CKWOeFJoJFkikUMjo2VYHoQR1FPriLG7m07XprHTWEWntrghVFUbQGtjJIi+n7wZ46HPvTNdlvNT+1xHUZoEtNetYYhCkfCkQn+JTkhmJHv1yOKFra3W342/zB6f16/wCR3VFcsf7Xvda1azh12S0isYofKZYImYuyEkuWUjaSM4AHfBA4o0HX7zVbgSzlY45NHt7vy1A2rI7SbiD1xhR1pX0f9d/8g/r+vvOpqpf6tp2lIj6pf2tkshwjXEyxhj6DcRmuR0Y3up+IPD2oXGp3HmT6KZpERIgrHMW4fcyAxOTg544IrW8QveR+JdCbToIJ5v8ASMJPMYlxsGfmCsf0qmrf152C+v8AXa5v29xDd26XFrNHPDINySRsGVh6gjg1JXOyXGpap4gfTFvX0r7LZxTzG1CSNI8hYYDSIRtXYedoJJHTGDn2+qavqU+lWQ1E2zPJeQ3NxDCmZfIcKHUMGAJxzwRyeOmEH9fqdlRXD3eoa8trqGoW+r7Ps2qi0itmt42jaNpET5+AxI3k5DDoOtXH1O60qTWbPUNWuJkgjt3t7k2yNMrSlk2BUUKx3KMfL1bnIFC1V/66f5h1sdZRXnWpXmqXnhzxPp9/cX8P2W2SZGuktvOKsrZRvKBTb8ueAG5rv7OF4LOOKW4kuXUcyyhQzfXaAPyAoETUUUUDCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACs6/0Kw1K6S5uEmS4RPLE1tcyQOVznaWjZSRnnB4rRqr/aMBZgq3D7WKkpbSMMg4PIXB5FAFeTw/pcmlRad9kCW0LB41ido2Rwc7w6kMGzklgcnJyeTUa+F9ITT57NLVhDcTLPKRNJvaVduH37twb5QdwOSeepNXP7Qi/wCeV1/4CS//ABNH9oRf88rr/wABJf8A4mgDFbwfaXWr6hcagJJIbiOKJBHdSozIqbSshBG8H0Ytnn1rRvfDul6hLFJc2x3RR+SBFK8YaP8A55sFIDpx91sjrxzVn+0Iv+eV1/4CS/8AxNH9oRf88rr/AMBJf/iaAK6eH9NiNgYYHiOnR+VbGOZ1Kpx8pwfmX5Rw2RxVuWygnvLe6lj3TW+7ym3EbdwweOh49aZ/aEX/ADyuv/ASX/4mj+0Iv+eV1/4CS/8AxNAEOoaHY6nPHPcxyrPGpRZre4kgk2nkrvjYErnnGcZp8OkWFu1o0FssZs0aOAKSAitjdx3zgcmn/wBoRf8APK6/8BJf/iaP7Qi/55XX/gJL/wDE0ARto1g9vNA0GYprgXMi72+aQMGDdfVQcdOKS70PTr5rlrq33tdLGsrCRlJ2ElCCD8pBJIIwal/tCL/nldf+Akv/AMTR/aEX/PK6/wDASX/4mjyApw+GNJhhvIhas630YiujNM8jTKAQNzMSScMRnOenoK0bW2js7VLeEyFIxhTLK0jfizEk/iai/tCL/nldf+Akv/xNH9oRf88rr/wEl/8AiaALVFVf7Qi/55XX/gJL/wDE0f2hF/zyuv8AwEl/+JoAtUVV/tCL/nldf+Akv/xNH9oRf88rr/wEl/8AiaALVFVf7Qi/55XX/gJL/wDE0f2hF/zyuv8AwEl/+JoAtUVV/tCL/nldf+Akv/xNH9oRf88rr/wEl/8AiaALVFVf7Qi/55XX/gJL/wDE0f2hF/zyuv8AwEl/+JoAtUVV/tCL/nldf+Akv/xNH9oRf88rr/wEl/8AiaALVFVf7Qi/55XX/gJL/wDE0f2hF/zyuv8AwEl/+JoAtUVV/tCL/nldf+Akv/xNH9oRf88rr/wEl/8AiaALVFVf7Qi/55XX/gJL/wDE0f2hF/zyuv8AwEl/+JoAtUVV/tCL/nldf+Akv/xNH9oRf88rr/wEl/8AiaALVFVf7Qi/55XX/gJL/wDE0f2hF/zyuv8AwEl/+JoAtUVV/tCL/nldf+Akv/xNH9oRf88rr/wEl/8AiaALVFVf7Qi/55XX/gJL/wDE0f2hF/zyuv8AwEl/+JoAtUVV/tCL/nldf+Akv/xNH9oRf88rr/wEl/8AiaALVFVf7Qi/55XX/gJL/wDE0f2hF/zyuv8AwEl/+JoAtUUyKVJ4UliO5JFDKcYyDyKfQAVFpP8Ax4t/18T/APo1qlrm/EEjp4MlUMUhm1DyblwcbYWutsnPYbSRn0NAG5b6/o93fmxtdWsZ7sEg28dyjSAjqNoOeMc0lr4h0W+vPsllq9hcXPP7iG5R346/KDniql1dNpmsaRp6aXZ/YJZDDbypLh4GWJzxHswBtUrkN36VyWgtcXGleHbTUYIbex+3yS293HKXdpUkcrGwKjy93zcgtkAjgsKOqBnez6vptrbS3F1qFrDDDJ5Uksk6qqP/AHSScA89KXT9W07Vkd9Lv7W9WM4draZZAp9DtJxXGJ/q7n/sbE/9CStvXIY08X+H7m2UC+eWSKRlHzPb+WxYN6qH2H2JHrRHVJ9/8k/1B6Nrt/m/8jo6KKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKo6zb6hc6TNHo959ivMZilKKwz6EMDwaj0G31O20iFdcvPtd8w3SuEVVU/3RtA4HrQAmlf8AIGsv+veP/wBBFW6qaV/yBrL/AK94/wD0EVboAKr6fDHcaXLDPGksUk06ujqCrAyuCCD1FWKq/wBnQBmKtcJuYsQlzIoyTk8BsDk0AR2XhjS7C5hmt47gtb58lJbyaWOLjHyI7FV4JHAGAcCpG8P6Y2jLpRtv9DVw6xiRgVYPvBDZ3A7uc5o/s+L/AJ63X/gXL/8AFUf2fF/z1uv/AALl/wDiqAGz+HNMuLWaB4JFSa5+1uY55EbzePnDKwIPA6EVLp+iWGmTPNbRSNO42tPcTPPKV/u75CW25525xnnFM/s+L/nrdf8AgXL/APFUf2fF/wA9br/wLl/+Ko2A0qKzf7Pi/wCet1/4Fy//ABVH9nxf89br/wAC5f8A4qgDSorN/s+L/nrdf+Bcv/xVH9nxf89br/wLl/8AiqANKis3+z4v+et1/wCBcv8A8VR/Z8X/AD1uv/AuX/4qgDSorN/s+L/nrdf+Bcv/AMVR/Z8X/PW6/wDAuX/4qgDSorN/s+L/AJ63X/gXL/8AFUf2fF/z1uv/AALl/wDiqANKis3+z4v+et1/4Fy//FUf2fF/z1uv/AuX/wCKoA0qKzf7Pi/563X/AIFy/wDxVH9nxf8APW6/8C5f/iqANKis3+z4v+et1/4Fy/8AxVH9nxf89br/AMC5f/iqANKis3+z4v8Anrdf+Bcv/wAVR/Z8X/PW6/8AAuX/AOKoA0qKzf7Pi/563X/gXL/8VR/Z8X/PW6/8C5f/AIqgDSorN/s+L/nrdf8AgXL/APFUf2fF/wA9br/wLl/+KoA0qKzf7Pi/563X/gXL/wDFUf2fF/z1uv8AwLl/+KoA0qKzf7Pi/wCet1/4Fy//ABVH9nxf89br/wAC5f8A4qgDSorN/s+L/nrdf+Bcv/xVH9nxf89br/wLl/8AiqANKis3+z4v+et1/wCBcv8A8VR/Z8X/AD1uv/AuX/4qgDSorN/s+L/nrdf+Bcv/AMVR/Z8X/PW6/wDAuX/4qgDSorN/s+L/AJ63X/gXL/8AFUf2fF/z1uv/AALl/wDiqANKis3+z4v+et1/4Fy//FUf2fF/z1uv/AuX/wCKoA0qKzf7Pi/563X/AIFy/wDxVH9nxf8APW6/8C5f/iqAE0r/AJA1l/17x/8AoIq3TIokghSKIbUjUKoznAHAp9ABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAf/2Q==)

A Brief Aside on Environments

1. In the exercises above, you had to twice set the Environments tab in raster calculator so that all your output grids were the same pixel size and extent. That’s okay if you do it once or twice. But, if you’re doing a lot of raster processing, repeating that step is annoying and can introduce error.
2. Fortunately, you can save Environments for the whole Project, so every time you open that document and do some raster processing the output grids will be the same.
3. Go to the Analysis tab and click Environments in the Geoprocessing group. This window looks different than what was in the raster calculator, and there are a lot more options. Set the Extent and Snap Raster as you did before.

A picture containing waterfall chart

Description automatically generated

1. Open Raster Calculator and notice that now the environments are set to what you specified for the Project.
2. As you might expect, you can tune any and all of these environments as you like throughout your processing. Customize, customize, customize!

# Part G: Topographic Analysis

*Summary: Changing gears a little, explore how to use some of the topographic analysis tools to work with Digital Elevation Models.*

[*GTCM*](https://www.careeronestop.org/competencymodel/competency-models/geospatial-technology.aspx)*: 5.2.19.3, 4.1.11.2, 4.1.6.7, 4.1.5, 2.3.5, 2.3.1, 2.4.2.2*

[Link to Video Walkthrough](https://youtu.be/I6wFnKn3W-I)

1. Topographic data (known as digital elevation models (DEMs) or digital terrain models (DTMs)) are one of the most common forms of raster grid that you’ll run into. ArcGIS has a couple of special processing tools specific to topographic data.
2. Insert a new map into your Project and add in dem250k.
3. In Toolboxes > Spatial Analyst Tools > Surface, you’ll see a number of options directed specifically at DEMs:

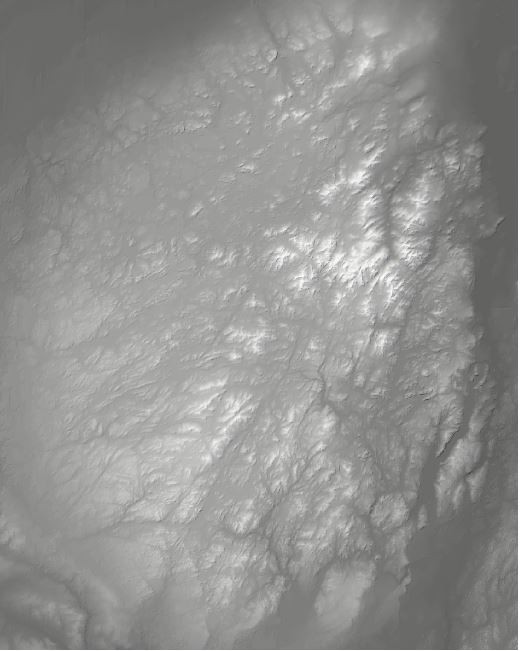
![A picture containing table

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAeAB4AAD/4REERXhpZgAATU0AKgAAAAgABAE7AAIAAAATAAAISodpAAQAAAABAAAIXpydAAEAAAAmAAAQ1uocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFNvcGhpZSBBcmdldHNpbmdlcgAAAAWQAwACAAAAFAAAEKyQBAACAAAAFAAAEMCSkQACAAAAAzkwAACSkgACAAAAAzkwAADqHAAHAAAIDAAACKAAAAAAHOoAAAAIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAyMDIwOjA0OjAxIDA4OjE4OjE3ADIwMjA6MDQ6MDEgMDg6MTg6MTcAAABTAG8AcABoAGkAZQAgAEEAcgBnAGUAdABzAGkAbgBnAGUAcgAAAP/hCyVodHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLjAvADw/eHBhY2tldCBiZWdpbj0n77u/JyBpZD0nVzVNME1wQ2VoaUh6cmVTek5UY3prYzlkJz8+DQo8eDp4bXBtZXRhIHhtbG5zOng9ImFkb2JlOm5zOm1ldGEvIj48cmRmOlJERiB4bWxuczpyZGY9Imh0dHA6Ly93d3cudzMub3JnLzE5OTkvMDIvMjItcmRmLXN5bnRheC1ucyMiPjxyZGY6RGVzY3JpcHRpb24gcmRmOmFib3V0PSJ1dWlkOmZhZjViZGQ1LWJhM2QtMTFkYS1hZDMxLWQzM2Q3NTE4MmYxYiIgeG1sbnM6ZGM9Imh0dHA6Ly9wdXJsLm9yZy9kYy9lbGVtZW50cy8xLjEvIi8+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczp4bXA9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8iPjx4bXA6Q3JlYXRlRGF0ZT4yMDIwLTA0LTAxVDA4OjE4OjE3Ljg5NzwveG1wOkNyZWF0ZURhdGU+PC9yZGY6RGVzY3JpcHRpb24+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iPjxkYzpjcmVhdG9yPjxyZGY6U2VxIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpsaT5Tb3BoaWUgQXJnZXRzaW5nZXI8L3JkZjpsaT48L3JkZjpTZXE+DQoJCQk8L2RjOmNyZWF0b3I+PC9yZGY6RGVzY3JpcHRpb24+PC9yZGY6UkRGPjwveDp4bXBtZXRhPg0KICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICA8P3hwYWNrZXQgZW5kPSd3Jz8+/9sAQwAHBQUGBQQHBgUGCAcHCAoRCwoJCQoVDxAMERgVGhkYFRgXGx4nIRsdJR0XGCIuIiUoKSssKxogLzMvKjInKisq/9sAQwEHCAgKCQoUCwsUKhwYHCoqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioq/8AAEQgBjwEeAwEiAAIRAQMRAf/EAB8AAAEFAQEBAQEBAAAAAAAAAAABAgMEBQYHCAkKC//EALUQAAIBAwMCBAMFBQQEAAABfQECAwAEEQUSITFBBhNRYQcicRQygZGhCCNCscEVUtHwJDNicoIJChYXGBkaJSYnKCkqNDU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6g4SFhoeIiYqSk5SVlpeYmZqio6Slpqeoqaqys7S1tre4ubrCw8TFxsfIycrS09TV1tfY2drh4uPk5ebn6Onq8fLz9PX29/j5+v/EAB8BAAMBAQEBAQEBAQEAAAAAAAABAgMEBQYHCAkKC//EALURAAIBAgQEAwQHBQQEAAECdwABAgMRBAUhMQYSQVEHYXETIjKBCBRCkaGxwQkjM1LwFWJy0QoWJDThJfEXGBkaJicoKSo1Njc4OTpDREVGR0hJSlNUVVZXWFlaY2RlZmdoaWpzdHV2d3h5eoKDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uLj5OXm5+jp6vLz9PX29/j5+v/aAAwDAQACEQMRAD8A+iaKKKACiiigAoqNLiKSaSKORWkix5ig5KZGRn04qSgAormPFvjK38P2rw2ZjudUJAS2ySVzzuYDtjt9KPBd3qes6NFqmpahKzTM2LdbdI0UAkdcZb1zmgDp6KKr3uoWem2/2jUbuC0hyF8yeQIuT2yTigCxRUVrdW97bJcWU8VxBIMpLE4dW+hHBqWgAoquL+zbUGsVuoDeKnmG3Eg8wL/e29ce9WKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACsLxXqWrWOm7NA0+W7vJshXVQVhH9456n0H5+h3aKAOJ+Gum6rYWepPrcE0U9xOJN0xyz8cnNdtRRQBwmqalptj40vbm61C00+8hCRRu9m0rMhRWzkHHUkdM4qeDxFa3NwJNN1hb67VD5saQNGGQdwDkcVY1rwFa61rE+oS3s0TzbcoqggYUL/Sq9p8OILG8iubbVLhJYm3Kdi/5xXHJVbvT8T0V9XcF71nba36mjbatdNq2nxi+W4gu5JFMf2UoUAjZvv5wTkCrOt6ZezahY6rpfkSXViJFFvckqkqvjdhgDsb5eDg9SCOciSy0aSy1IzJKhgbJMe3o3Tj069fwqfUNGtNTliluftCSRKyo9vdywNg4yCY2XI4HX0rempW1OOpKLasZGna+2o6xpkdvG1pFNFd/arVlUlJo3RSCR6Fm5Bwc5qlbanq2qXOnW0eptbrcXF+sssUUZbZFNtQLuUgEDjODxnvzW8/hnSXs7W2Fs8SWhLQvBPJFIhbO4+YrBjuyc5PJ5OakstA0zTvs/wBitFhFr5vkqrHCeYdz4Gccn8u2K2MuhzVmW0mbxTdT6veDN8kSkW8cjb2iiClVVMlvmCgHI6Eg8kxL4j1iyh1S1m+0efHJax20mopB5kRnfZl/IOwqCNw6HsfWurn0PTrmG7imt8reSiabEjAlwFAYEHKkbFwRjGM1DF4X0eKG8i+yeat8ix3JnleVpgM43M5JJGeuc9PQYXT7gMrWrnVdDt7S1t76+1KfUboQpIYrcSxKEZm25CRkkLxu6c9elaXhyTV2huU1mK5UJL/o8l35PmuhUZ3CElOGyMjHGOO5f/wjOltYvaSxTzRu6ybp7uWSRWX7pV2YspHbBGKuWGnW+mwtFa+aQ7b2aad5XY4AyWckngAde1HcXYtUUUUDCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAoorjPFus6xdXz+HPDlpcJeOiyNd7giiPvtPbnjPrmgDs6K5TwVosel6dHHqltCus/M8zl/MkIJODu5xxjgGuroAKKrahfQ6Zp097c7vLhQuQoyzew9STwB6mk0zUYNW0u3v7XcIp0DKHGGX1BHYg5BHqKALVFFFABRRUE97b21xbQTSbZLpykK7SdxCliPbgE80AT0UUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAGfqtg1xGJ7U7LqHlGHf2o0rVF1CEhxsnj4kT+taFVF023TUjeqrLKRg4PB98Vm4tSvH5l8ycbMxPFM11d6lpej6dDBcStJ9snimmMa+XEQRlgrEZcr2OdprEmdorXWtD164s9IDzR30LGRpoPLkk+ZHJCZQuGDDjiTFeg0Vf9f19yJ/r+vvZ5sZ9GlXw+2o2VnYaaJ7tXSB82b4GN4OADEx55AGT36ll1/yCpP7Mkgg8NPrGA8sJktlh8vn5VZf3Jmz3C/8B6+hXGnxXOo2l67OJLTfsAIwd4wc8e1WqfX+vL/IR5z9ntLbS4T/AGlZXnh+XVFN6NPgMVrCnl/dxvceWZNhbnbknPerWpWnhL7RoF3bW2knTBfSRmZY4zACYnIAb7oG8Dpxu967yimLp/XmFFFFIYUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUyaeK2hea4kSKJBlndsBR6kmn1x/ifQNc8S6p/Z0lxFbaHtWQyIuZGcfwkZ9efTGO9AG9p3iHTNWkZdNne5CnBdIX2A/7+Nv61pVgaBbJ4ZsrbRJp5JgoJjndQqsSxJUDt17mt+kmnsNpoKKydX1S5gvLTTdLSJ7+73MGmzshjXG6RgOW5ZQFyMk9R1pwvbjSLGWfxFeWrqHVY5LW3dCxPAQR7nLNnpgknPT1YjUorJHifSPsFzeSXTQRWrKtwLiF4ni3Y2lkZQwByOSMflVS/8ZadbaLf31stxcPYqC9ubaWN8kZUkFMhT/fxt96AOhorKm8SadBHbtKbrfcIXjgSymabaDgsYwhdRnHJAHI9anttZ0+8a0W2uVlN5E0sG0Eh1UgNzjggsBg4P5GgC9RWTN4n0mBIma4djM8kcaR28js7RttcBVUkkH29+lawORQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAVdQsY9Qs2hk4PVG/un1qhpGoyidtOv8i4jyFY/xgVs03y08zzNi78Y3Y5x6ZqHH3uZFqWlmYus2V7FrFjrWmwfa5LaN7ea13hGkicqSULYG4FAcEgEZ5FV9RXVNS+wahFpU0L6dd+d9jnmj3zqY2Q42syAjfkZYZxzjrXSUVZBx+o6TqWsDUb02D2zXC2sMdrLJGXKxzF2dirFf4jgZPA98VJruiajfXmvtbQhkvNKjggJkADyK0h2+33hyeOa6yigDmVGp2mutrCaPdXEd5aRwPbLLCJrdo2cjq4QqQ/ZiQQOOeKtvpWqaVPpuoCxa8dXvGuLW3lQNF58gkG0uVVgu3B5HXIzXYUUB/X6HI6Ho2pwXmlz39qkTQy37zBJAwTzZdyYPU5Ht9cV11FFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABWfretWegaW9/qDMIlIUKgyzsegHvWhXOal4Ms9Y8Rf2jqc81xbiMKLJ2Plhhxu6+nb15oAn8O69d+IbNL5NOS3spCRG73O52AOM7QuByD1NblYccUPhhIoLO3WLS+m1ASUY9yTyc1to6yIHQhlYZBB61Kkm7DaaVxaKwdamnvNesNDhuJbWKeKS5uJYW2uyIVXYrDlclxkjBwOCM5p1w8fhqCOGxF1e3F9OIre3ubx5Pn2kk73LMqhVJPXpwMnmulxG5RXN3Xiq5061vxqGlgXtmIX8i3uPMWZJH2KVcqpzkMMFRyBzzmqms+JdXg0jWoo7K3tNSsbdZ1IuvMTy23YcEx8sCpG0jHvQB19FYTa1qbXaafaadazagkAnuVa9ZYYVYkKA/llmJ2k42DoeemV0/wASi/u7C3+yNE9ylx5oZwTDJC6oycfe5Y88cD3oA3KK5oeKbq4ktIbDTElnuprqJRJc7ETyJNhZmCE4I54BwcDnrVnxPcT26aT5ErxGTVIEfYxG5STlTjqD6UdvMHpfyv8AgblFZeo3aQ65pcDxys0vnMrJOygbUzyg4fOeh6dawbrxVq154LvtY0u0s4kWAyQSi98xk65Dr5eFccfLyM5BIxQB2VFQ2j3D2kbXsccU5HzpFIZFB9mKqT+QqagFqFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAyaFLiF4pV3I4wRWTpUN7p989k6NJacskvZf8+lbNFQ4ptMpSaVjL1fR3v57a8sro2d/aE+TPs8xSrY3I6ZG5TgdCCCAQRVa50PUL6GGS81OH7fazie1mgtNkcZ2lSChdiwIZgfmHXjGM1u0VZJz03hme9hu31G/SS9ujCplitykaJE+8KqFieTuySx6+2Kk1PwyNSudVla7MY1GxWzwI8mPaXO7Oefv9OOnWt2igDBbRNTS+XUbTU7aK/eBYLkvZs0MyqSVITzAysNxH3yOTx0wweGJrVbGbTNQWK9tTMXmuIPNWfzjukJUMuDuAIweMY5roaKAOf0rwu2my2Mj37XLWjXTFniAMhmffzg4GPYc+1XNe0mbVrW2W1uo7aa2uo7lHkhMqkp2KhlOPxrUooAxxpN/Pe2V3qF/byT2nm7Tb2pjUh1AHDO3Ixnrz6VQPhGW6i1VtQvoTdalai2ea0tPJBxnDspdt7c9cjgY4rp6KAIbRLiO1jS8ljmnAw7xRmNW+ilmI/M1NRRQGwUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFcx4t8ZW/h+1eGzMdzqhICW2SSuRncwHbHb3FdPVP+yLD+1/7U+yx/bfL8vzsc7f8APfrjigDE8F3epaxo0WqalqErNMzYtxbpGigEjrjLeuc109ZeppcWko1G0LPsXEsRPBX1FXbO8ivrZZoGyp6juD6GoUteVlOOlx9xcwWlu9xdzRwQxjc8krBVUepJ4FRWGpWOqQtNpl7b3kSttL28qyKD1xkE88isXV1S68baLaXoVrVYZ7iJHHytOhQKcdyqs5Hp17VY1+6mtp7C1sHW1uNTuRA10I1Zo1VGckZ4LYXAyCBnOD0q+lyTborjNU1PV9Jj1Wxi1E3M0MdrNb3U8Kbk82UoUcIFUj5cjABwT6Zqp4jfUBpniTSbnVri4WGwjuo5jFEr4berRnCYK5QHpu560Ad9RXNKdQu9cbRotYurdLK0jmkuVihM1w0jOB1QoFATsoJJHPHMWj63qF1qmmWtzMrgrfRTssYAmaGVEV/bIycDjJPtR1sL+v1OqorjLbU9W1S5062j1Nrdbi4v1lliijLbIptqBdykAgcZweM9+a29dvp9Mm0y5WXbZ/afKuwQMbWUhWzjIw+3pjrR0H/X3GxUVtdW95AJrSeOeIkgSROGUkHBGR6EEVx+j+IdWvbi1srqQJdXF4LjARQVs2j8wLjHYkR568HmoQ19rB8J3c2p3MMslxMGMSRdQkvOCh5wMemO2eaAO4ininDGCVJAjFGKMDtYcEHHcelR3t/aadbG41C6gtIAQDLPIEUE9Bk8VxMFxqOmQXeow37LAuvNC1mIkKSI84RixI3bstkEEDgcHmt3xg0y2Onm1jjkmGpW+xJHKKx39CwBIHvg0LVJ97fjb/MHo35X/C/+RsWV/Z6lb/aNOu4LuEkjzIJA65HUZHFWK4yK9bTbrxDJqbHT7+YwOfsaG4UBx5cezK5dyykcqOccEDJrHXdbtrLWbd5bqO4tWtWgkv44DKolfaQwhJQjg46Hk+xoA7yora6t7yATWk8c8RJAkicMpIOCMj0IIrAiXVP+Eqj01tZuHt4LNLiRjDDvmYyMMEhMBcDHAB4HOck5Q8Q6vd2ejWluLyW4vIp555rNLcS7Y3CgL5pCD7wzwTgcDnIO39bB1O5orj4rnxFPcaTp95czadLP9p81/LhaV0Qr5bcbkDEHnGRyeBxi3pV7fjxLLa6zeXUM7tK0Fo0Ef2eWINhWjkVd24DBZWbOSflAxQHQ6WiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooACMjB5FZdppL2OqSTW8oW1kGTF71qUVLim02NSa0KmpaXZ6tbLBfw+YiuJEIYo0bjoyspBUj1BBqt/wAI3pjWL2ksU00buJC89zLJIGH3WEjMXUjtgjHatSiqEZkfh7TI7OW28h5EmdZJWlnkkkkZSCuXZixxgYGaludF0+8ku5Lm2EjXluLafLHDxjOFxnj7x5HPNXqKAMqbw1ps6QB1uRJboY450vZlm2k5KmUOHYZ7EkdKdP4d0u4tbW3Nu0SWefs5t5nhePIwcOhDc9+ee9adFAGdZaBpmnfZ/sVosItfN8lVY4TzDufAzjk/l2xU+p6ZZ6xp0thqUAntpgA8ZJGcHI5HPUCrVFAFRdKsk1UaktuouxB9nEoJ4jznbjp1/Gq7+HtMksrW18h0itJDJAY53Ro2OckOrBudxHXnNadFAFB9E0+S1e2e3zFJcfamXe3Mu8Puzn+8AcdKk1LTLXVrUW96sjIrrIpjleJlZTkEMhBBH1q3RQBlL4Z0pbK4tTbySJcsryyS3Ejysy42nzGYvlcDHPHbFJF4X0iFLhVtnY3JjM7yTyO8pjbchZmYkkHvnpgdABWtRQBALKAag18I/wDSGiEJfceUBJAx06k1Sl8N6XNZW1qbd0jtWLQNFO8ckROc7ZFYMM5Oeea1KKAKNvo9jbNbPFE2+1DiJ3ld2G85YksSWJI6nJplpoVhZXzXcEcpmO7aZbiSRY9xy2xWYhMn+6BWjRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFcZ4t1nWLq+fw54ctLhLx0WRrvcEUR99p7c8Z9c12dFAHKeCtFj0vTo49UtoV1n5nmcv5khBJwd3OOMcA11dZ+q2DXEYntTsuoeUYd/ajStUXUISHGyePiRP61HN73Ky+X3bodqmrQaVHF5qSzzTv5cFvAu6SVsZwBwBwMkkgAdSKfp99LepIZ9PurB0bHl3OwlhjqCjMpH459qxtcmTS/FOmavfEpp8cE1tJORlbd3ZCrN/dU7SN3QZGSM1Bret6Zdf2RqFrfwTWNnqS/aLqJw0UWYpFBZxwOWUHnjIzVr+vvI/r8Dq6K87drPW72fH7+zuPEcYz/DKv2RfzU+vQg9wat3dgttrz+GLS2WOx1OaK72RoFRIkGJkwOACY4xj/ppQtf68k/1/AHp/Xm0dzUFve293JcJbyb2tpfKlG0ja2A2OevDDp615ze3ltP4jhu7ddNtL+PWUheKOFnvtgk2F5JNw2Iy9FKlcFQDyMS3NrpViniVba2tYLuDUoJ5FiiVZFt1aB2fAGdnDHPTOaI6/wBen+YPR2/rr/kekUV53rV9Z6vd689hcCeA2+nIJ4Wyrf6Q+SrDg4zjI6EEdQaXX9PsrTxEljePoum6OlmPscepWW+3MhdvMK/vEVZOV65JBOO+Qff+ux6HRVDQoWt/D9jE1217tgUC4ZSpkGODgknp6kmr9N6MlbBRRRSGFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRTJp4raF5riRIokGWd2wFHqSaAH1UXTbdNSN6qsspGDg8H3xUGneIdM1aRl02d7kKcF0hfYD/AL+Nv61pUmk9xptbBRRRTEFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFcf4n0DXPEuqf2dJcRW2h7VkMiLmRnH8JGfXn0xjvXYUUAYGgWyeGbK20SaeSYKCY53UKrEsSVA7de5rfqrqFjHqFm0MnB6o390+tUNI1GUTtp1/kXEeQrH+MCs+ZxlZ9S+VON0P1fVLmC8tNN0tInv7vcwabOyGNcbpGA5bllAXIyT1HWnwXV1YGKLXbu1lluZvKtntrd4wx2ltpUs+DhWOc4+netrNlexaxY61psH2uS2je3mtd4RpInKklC2BuBQHBIBGeRVfUzqeox2N7Ho08bWF8s32WWaLzZU2MjFcOUGN+QCwzg9OM6L+vvI/r8CfWPFdnpSErHPcul5HaSrFBI3ls20/wqc/K4IHfoOasa9qc1h4bm1CxC+aFQxieNsDcwHzLkHv04NYL6ZrE1nqVzJppWaXWLe9ithMhd4kEWRnO0N8h4JxkcEjBO34ksp9X8K3FrDbFpZ1TMEhX+8pKnnb0z3xR9nz/4C/W4df67sc0+oWMMA1PUrEyz3KRI0djIqsD/AAY81sMcHDZwPQ1S/wCEhu+P3cP/ACGfsH3T/q/Xr979Papb7QILeHT4dD063tootRjuJUt40iUAAgtgYyenvVP+xr/j9x/zHTd/fX/Vf3uv6dfahfFr/Wsf+CJ7af1pL/gHVUUUUDCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiis/W9as9A0t7/UGYRKQoVBlnY9APegDQpvlp5nmbF34xuxzj0zWL4d1678Q2aXyaclvZSEiN3udzsAcZ2hcDkHqa3KACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigArnNS8GWeseIv7R1Oea4txGFFk7Hyww43dfTt6810dFAGHHFD4YSKCzt1i0vptQElGPck8nNbaOsiB0IZWGQQetNmhS4heKVdyOMEVk6VDe6ffPZOjSWnLJL2X/PpWd3GXky7Jx8yDxDqZ03WtEZ2ufIeWYSR28Ukpf90cZRAScHnpxVNtfW51++eEX32aDSWlaCaGa13MGPI3qpzjjcBxW9eab9r1TT7zzdn2J5G2bc79yFeueMZz3qC+0T7bf3Nz9o2efYNZ7dmduSTuzn36frVO/Tz/Jkq35fmjFlvZvMk+zzXEUX/CPGdEadnKNk4bcTkt/tHmrNp4guvtGnaZbW0NzcNYw3ErXN35TurcEoNrbyMEnJGMjnmrR8OZz/AKV10v8As/8A1f8A4/1/T9ahvfDNxfQWVpLfQGytRCQrWmZleP8Ajjk3/ITjH3SRzzzV6X/rvL/NE62/rtH/ACZQsPEN/ZNdPdWhnsf7YktWuZLn503S7V2pg5QEqPvDHOAcVdvvFn9m+IINPu4rFUnnSFFW/Bufm4V/J2/dz6MTjnHappvDHnaVPZ/a8ebqIvt/ldP3wk2Yz7Yz+OKqDwhcrIYk1ONLP+0RqPlraYkkfzN5V33YYdgQoIwvJxgqPS/l+n/BHLrbz/X/AIBW8ReIdSm8P6ncaZZbLOGRrcXa3RSbcr7WZUC42hsjO8HAJx6za149tNK1C7tkawf7CAbhbjUFglYkbtsSEHecEdSoyQM9cPu/CV5NY3um2mrJb6bdTNN5X2XdJGzNvZQ+8DaWycbc8kZq7Jol/b6neXWjanFaR3zK88U1r52HChd6EOu0lQvUMMgcdcnYOrNmKVZoUljOUdQynHY0+iigFsFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUVzHi3xlb+H7V4bMx3OqEgJbZJK5GdzAdsdvcUAdPRXMeC7vUtY0aLVNS1CVmmZsW4t0jRQCR1xlvXOa6egAoqK5uoLK2e4vJ47eCMZeWVwqqPUk8CobTVdPv7N7qxv7a5to8h5oZldFwMnLA4GBQBbopqOssavGyujAFWU5BB7g06gAooooAKKKKACiqN/rmk6VIkep6nZ2TuNyrcXCRlh6gEjNXQQyhlIIIyCO9AC0VEbq3F2LUzxi4ZDIId43lQcFtvXGTjNS0AFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABVP+yLD+1/7U+yx/bfL8vzsc7f89+uOKuUUAZeppcWko1G0LPsXEsRPBX1FXbO8ivrZZoGyp6juD6GpyMjB5FZdppL2OqSTW8oW1kGTF71nZxldbMu6cddyhq0a3XjjRLe8UNbJDPcRK33WnXYFPuQrOR6cntVLxIog8RSG0AV7nR7o3m0feVAvls30LMAfcium1HTLTVbdYb6LzFVxIjK5Ro2HRlZSGU+4INQWug6daQXMUULt9rXZPJNM8ski4xgyMSxABOBnjJxVNXjb1/H+vwEnZ39Dn9Om1TTIfDjPqf2uPUUWBrVokVI/3JdWjIG7jZg7i2c9qqHxFqum6TdfbJ7uTWv3MbWM9vEqRNJIEDxMNodOeMuegDEHNdNY+F9I06ZJLW2cGOMxRLJPJIsSHGQisxCZwPugUReGNJitbi3a2eeK4jEUgup5JyUHRQXYkAZzgY55q27tv+v6/roRFWSX9f15HP3GoeJbDS795PtkSDyPs9xqK2pkDtKFdcQkqVwR1APJ56Ysajquo+Hpbu1nvpL6SezD2DzRxqWn37CvyKARmSLt0zW1H4c02O2lgKXEyTFC/wBou5ZWOxtygM7EgA84BxVq70yzvrm1uLuASS2chkgYkjY2MZ46/j7HtSGjkLnVPElxfaha6WuoTSaZsgR4EtBHPL5auTL5jBsEsBhAuBnnPTZ0yfUr7xNqAubx4bazaILaIiEEvEpYMxUkgE5GCOe5HFXL3w5pl/ePdTxSrNIgSVoLmSESqOgcIwDjk/ezwcVdhsre3ubi4hj2y3LK0rZJ3EKFHHbgDpR/X9f1oBzuqXM9v42YW2lzak0mllTFE8agfvD94uw47cZPtVHw7ZasdPudMj1h9P8A7HC2qrBFG6u/lrIWYupJQbwoA28KfXjsPsUH9ofbvL/0jyvJ37j9zOcY6dapX3hzTNRunubmGQSyIElMNxJEJlHQOEYBxyRhs8EjvS6W/rdg97/1sjBXxLqF1p7XaOIC/h83wRUBCzc/MM5OPY8UCfVluIbK81eWUalpclwWSCJfIkTZnZ8v3SHIw248da6WbR7CdpDJbr+8tjaMFYqPKP8ACADgfhzTjpVkbm3uDADLbwtBESx+VGxkYzg/dHX0oaun8/1/zX3DTs0/66f5M421l1PTPB+hSDUdQTTfsQkubu3t4ZZLf5E2DbsOYx82SFZuBk4ya7qBxJbxusglDKCJB0bjr+NZA8I6QLWK2WO6WCJSixi+nA2HHyEb+U4HyngenNbKqqIFRQqqMAAYAFW3dtkpWSQtFFFSMKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAoorjPFus6xdXz+HPDlpcJeOiyNd7giiPvtPbnjPrmgDs6K5TwVosel6dHHqltCus/M8zl/MkIJODu5xxjgGuroAKKztS1iPTriC2S2nvLu4DGK2twu5lXG5suyqAMjqR1GM0R6yjT2ME9pc20955m2KULlNnXdtYj6YJBoA0aKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAM/VbBriMT2p2XUPKMO/tRpWqLqEJDjZPHxIn9a0KqLptumpG9VWWUjBweD74rNxalePzL5k42ZleJm0ZZrQ6nq66PeoHe0u/OWIr93cMv8AKwPy5Ug5644yMqw1G91O68PXNzsef/TFjmVCiXCqMJKFPQMAD+PHGK7WirtpYjsecWI0t9N0s2oh/wCEu+0wm67XYfePP8z+LZt39flxtx/DUF4dDNv4iWbY2vfb5f7PVj+/Eh2+WYM8j58ZK+hzXp1VbDT4tP8AtHks7faJ3nfeQcM3UDjpxT6/15bfcH9fmefazALrXtUi8Q6ppdhOBGLJ760aSVU8sfPbt5q4bfu4UFsgZ7CvSIlZIUWR/MdVAZyMbjjrin0UdLCCiiigYUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUyaeK2hea4kSKJBlndsBR6kmn1x/ifQNc8S6p/Z0lxFbaHtWQyIuZGcfwkZ9efTGO9AG9p3iHTNWkZdNne5CnBdIX2A/wC/jb+taVYGgWyeGbK20SaeSYKCY53UKrEsSVA7de5rfpJp7DaaCisu71Oa08SWFlIsf2S+jkVHwdwmXDBc5xgruPT+GqcWuzz3l0PNt7a2j1FLK3Z4HkMxCgyDhhjnKg9BtOQae/8AXnYR0FFZkniPTItQ+xPO/m+YIS4gcxLIeiGQLsDHI+UnPI9RSjxBpZhtJTdhVvbg20G5GBeQFgVwRkHKkc4/lQBpUVlXPibS7Visk0ruJHjMcNtJK+UxuO1FJ2jIy3TJxnNUf+EwsrbV9QttRlEcNu8QjdIZG2q6Kd0hAIQZOAW2j8jRuB0dFZl/4i0zTLgw3c7qyqHkKQPIsKno0jKpCDryxA4PpUOr+JtP0sXEbzMbiGHzGCQSSJFkHaZGUEIDj+Ijik3ZXGld2NmiqmlXT32jWV3MFElxbxysFHALKCce3NW6pqzsSndXCiiikMKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigCrqFjHqFm0MnB6o390+tUNI1GUTtp1/kXEeQrH+MCtmm+WnmeZsXfjG7HOPTNQ4+9zItS0szK8TWd3daSs2lxCa/s5kubaMsF3sp5XJ4G5Sy596oLod3Boeh2yoJJ7e8jubtgwHzHc0jc9fmY101FWtPvT+4h6nD2nhqS3vJ7S/0vUb2OS/a4W6j1RktyrSeYC8Xmj5lz0CEEqDnk4W68Mai9/qpigUQW5a50zEgG+Z2SVgR/Dh48ZPZzXb0UbbBucVPouo2+jWP2awuxrAjll+2WdxGvkTyMHdXDth0LdeG+7wM4NWL3RdTn0zxShgR7jULdUhKMAJWEAU4yeBuz1xXW0UdLDTs0zhp/DlxHqWotd6ZqOpRagEcG01RoEU+WqMkqeagI+XO4Bsg4xxg3JbHU9Nk1q1sdLa9h1JQ1vKs0apEfJEeyTcwbA2A5UNkGutooeqsJaFLRbeW00Gwt7hdksNtHG65BwwUAjI96u0UU27u4krKwUUUUhhRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVn63rVnoGlvf6gzCJSFCoMs7HoB71oVzmpeDLPWPEX9o6nPNcW4jCiydj5YYcbuvp29eaAJ/DuvXfiGzS+TTkt7KQkRu9zudgDjO0Lgcg9TW5WHHFD4YSKCzt1i0vptQElGPck8nNbaOsiB0IZWGQQetSpJuw2mlcWisTVJp7HxPpFwJZPsl15lnNHuOwORvjfHTOUZc/wC0KzIL+SWSS/uWuJoL3WFtrVEuXjWNI8oGwDyCysSOjZGapa/15/8ABE9P6/rsddRXITfEGyj1N4Y2sHt47oWj5v1FyW3bCywY5UMf7wOASAeM2W8ZJHFY+bZlZbi9e0mQSf8AHuFk8suSQMjcYx2++KFrawPQ6aiuYl8WzPdQ21hZW8ktxPPFAbm78lJREQpw2xiWLE4UDoCc1Vm8Qalpmqa/cfYmurSyMMswkutvkp5SlhGMEMRySPlB9cmgOtjsaK5HWPH9npl9dQRNYOLJVacXGoLBK+V3bYkIO87SOpUZIGeuLOo+IbyeDURotgLiCzh/fTtc+U+5o9+I12ncQrKeSvJxmk3ZXGtXY6Wis3RjJd+FrAyzSeZNZR7pd2XyUGWyc898mszSFEHiy6ttLu7u5sIbfbdfaLmSdY7jd8qq7sSG2k7lBwPlzjNU1aXKSnePMdLRRRSGFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAyaFLiF4pV3I4wRWTpUN7p989k6NJacskvZf8APpWzRUOKbTKUmlYz9d0o6zo8tmlwbWVirw3CruMUisGVsd8EDiq//CPxppek2MMxRNNlikBK5MmwEc88E5zmtiir/r7iTDs9Ev8ATbqRNP1OKPTpLlrg28lrvkTc251WTeAFJJPKkjceemIJ/CEc99rFwbxl/tGLbEnljFs5C7nHPJJRD25WujooA5u78LTz+HYNFjvbdrQQeVcC6s/OMrdfMX5xtbOTzuAJHHFTT+GBLp+tWovGA1SFYg7puMeIhHk8/MeM9q3qKAWjuYC6Bf2V5cTaNqkVtHd7GnjmtPN+dVCb0IddpKheCGGQOOuUu/Dt411qJ03U1tLfUxm5ja28xw+zYXjbcApKheoYcV0FFD13BabGcNMmj8MrpdreNBMloLdLpU5QhNocLn8cZ/GoNE0vUtKhhtZbvT3soY9qxW1i8TZ9dxlb3J45J61sUU73bYrWVgooopDCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigArmPFvjK38P2rw2ZjudUJAS2ySVyM7mA7Y7e4rp6p/2RYf2v/an2WP7b5fl+djnb/nv1xxQBieC7vUtY0aLVNS1CVmmZsW4t0jRQCR1xlvXOa6esvU0uLSUajaFn2LiWIngr6irtneRX1ss0DZU9R3B9DUKWvKynHS4/7RD9p+z+bH5+zzPK3DdtzjdjrjPGail1KxhlMc15bxyK6RlHlUEM/wB1cZ6nsO9ZPiBRZatpGsZ2rBObW4b/AKZTYUZ+kgj/AFrMsLmeGxttVgco+t6wruSAS0ByqDkcfIin8ata/wBea/RkvT+vX/I7CSRIo2klZURAWZmOAoHUk1FDe2tyUFvcwymSMSp5cgbch6MMdR79K5Y6pqVreammpX11bXaw3Mtratbx/Z5I1zseNwpJYDBKs2eT8uMU2Nb3U/E9iY9RezeXRUkllijQyMS4PG4FQMnn5T7YoWr/AK7P/IHp/Xmv8zrZLq3hnhhmnjjlnJEUbOA0hAyQo74HPFMXUbJzAFvLdjckiDEq/vSOSF55xg5xXOaTreoXN1pEFxOsm6a8t55EQAT+SSqv7ZxnA4zVfw/d3Men+HbOCdoorpLoSbVUnK5KkZB6E5/nQB2dFcJoUl5o2i2N2+pTz2bapNDcpMkQCq0siBgVQEfOVJ57noOK6bw5d3Oo6V9vuZCy3Ury267QNkOcRjgc5UBuf71AGrRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAEZGDyKy7TSXsdUkmt5QtrIMmL3rUoqXFNpsak1oVtQ0+11XTp7HUIhNbToUkjJI3D6jkfhSPplnJb2sLQjy7R0eBQSAhUYXp6D1q1RVCMuPw3pkcs0nkyuZkdCJbmR1RX+8EVmITP+zikufDOlXcsEskMqS28IgilhuZYnSMfwhkYHH8+9atFAFKDRtPtVshb2yxixQpbhSQIwRg9+c++aS30awtfsnkQbfse/wAj52Ozf97qec+9XqKAOd1Xw0JNKutO0mKOKDUXJummuJCIgzZZo4zldxJJwCozg81vwwx28EcMKhI41CIoHCgDAFPooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigD//Z)

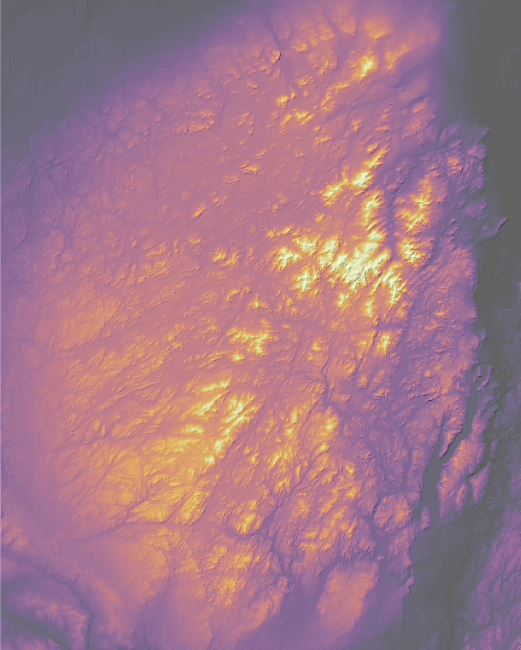
1. *Aspect*: creates a new grid of aspect (direction of slope where 0 = N, 90 = E, 180 = S, 270 = W) based on the topographic grid.[[44]](#footnote-44)
2. *Contour*: creates a line shapefile of contours based on the topographic grid at intervals that you specify.
3. *Slope*: creates a new grid of slope (in either degree or percent) based on the topographic grid.
4. *Hillshade*: creates a ‘3D’ type visualization of topographic depth based on a sun direction and angle that you specify.[[45]](#footnote-45)
5. *Viewshed*: This requires a point shapefile to represent ‘where you’re standing’ and creates a new grid of where you can see from that point location.
6. Create a hillshade grid of dem250k using the default values. Your output file should look like a shaded relief map. Now for our next visualization trick, move the hillshade below dem250k and turn both layers on.
   1. Click dem250k in Contents to make it active. At the very top of the document, find the Raster Layer tab (highlighted in peach) and click on Appearance. Use the Transparency slider Transparency Sliderto change the transparency to 50%. Check out your new map of elevation with shaded relief. For an even fancier display, change dem250k symbology to a color (rather than grayscale) color ramp.

![Graphical user interface, application

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAeAB4AAD/4REERXhpZgAATU0AKgAAAAgABAE7AAIAAAATAAAISodpAAQAAAABAAAIXpydAAEAAAAmAAAQ1uocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFNvcGhpZSBBcmdldHNpbmdlcgAAAAWQAwACAAAAFAAAEKyQBAACAAAAFAAAEMCSkQACAAAAAzg1AACSkgACAAAAAzg1AADqHAAHAAAIDAAACKAAAAAAHOoAAAAIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAyMDIwOjA0OjAxIDA4OjI4OjE3ADIwMjA6MDQ6MDEgMDg6Mjg6MTcAAABTAG8AcABoAGkAZQAgAEEAcgBnAGUAdABzAGkAbgBnAGUAcgAAAP/hCyVodHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLjAvADw/eHBhY2tldCBiZWdpbj0n77u/JyBpZD0nVzVNME1wQ2VoaUh6cmVTek5UY3prYzlkJz8+DQo8eDp4bXBtZXRhIHhtbG5zOng9ImFkb2JlOm5zOm1ldGEvIj48cmRmOlJERiB4bWxuczpyZGY9Imh0dHA6Ly93d3cudzMub3JnLzE5OTkvMDIvMjItcmRmLXN5bnRheC1ucyMiPjxyZGY6RGVzY3JpcHRpb24gcmRmOmFib3V0PSJ1dWlkOmZhZjViZGQ1LWJhM2QtMTFkYS1hZDMxLWQzM2Q3NTE4MmYxYiIgeG1sbnM6ZGM9Imh0dHA6Ly9wdXJsLm9yZy9kYy9lbGVtZW50cy8xLjEvIi8+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczp4bXA9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8iPjx4bXA6Q3JlYXRlRGF0ZT4yMDIwLTA0LTAxVDA4OjI4OjE3Ljg1NDwveG1wOkNyZWF0ZURhdGU+PC9yZGY6RGVzY3JpcHRpb24+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iPjxkYzpjcmVhdG9yPjxyZGY6U2VxIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpsaT5Tb3BoaWUgQXJnZXRzaW5nZXI8L3JkZjpsaT48L3JkZjpTZXE+DQoJCQk8L2RjOmNyZWF0b3I+PC9yZGY6RGVzY3JpcHRpb24+PC9yZGY6UkRGPjwveDp4bXBtZXRhPg0KICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICA8P3hwYWNrZXQgZW5kPSd3Jz8+/9sAQwAHBQUGBQQHBgUGCAcHCAoRCwoJCQoVDxAMERgVGhkYFRgXGx4nIRsdJR0XGCIuIiUoKSssKxogLzMvKjInKisq/9sAQwEHCAgKCQoUCwsUKhwYHCoqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioq/8AAEQgAxgK9AwEiAAIRAQMRAf/EAB8AAAEFAQEBAQEBAAAAAAAAAAABAgMEBQYHCAkKC//EALUQAAIBAwMCBAMFBQQEAAABfQECAwAEEQUSITFBBhNRYQcicRQygZGhCCNCscEVUtHwJDNicoIJChYXGBkaJSYnKCkqNDU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6g4SFhoeIiYqSk5SVlpeYmZqio6Slpqeoqaqys7S1tre4ubrCw8TFxsfIycrS09TV1tfY2drh4uPk5ebn6Onq8fLz9PX29/j5+v/EAB8BAAMBAQEBAQEBAQEAAAAAAAABAgMEBQYHCAkKC//EALURAAIBAgQEAwQHBQQEAAECdwABAgMRBAUhMQYSQVEHYXETIjKBCBRCkaGxwQkjM1LwFWJy0QoWJDThJfEXGBkaJicoKSo1Njc4OTpDREVGR0hJSlNUVVZXWFlaY2RlZmdoaWpzdHV2d3h5eoKDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uLj5OXm5+jp6vLz9PX29/j5+v/aAAwDAQACEQMRAD8A+baK+/8A/hGdG/58I/zP+NH/AAjOjf8APhH+Z/xoA+AKK+//APhGdG/58I/zP+NH/CM6N/z4R/mf8aAPgCivv/8A4RnRv+fCP8z/AI0f8Izo3/PhH+Z/xoA+AKK+/wD/AIRnRv8Anwj/ADP+NH/CM6N/z4R/mf8AGgD4Aor7/wD+EZ0b/nwj/M/40f8ACM6N/wA+Ef5n/GgD4Aor7/8A+EZ0b/nwj/M/40f8Izo3/PhH+Z/xoA+AKK+//wDhGdG/58I/zP8AjR/wjOjf8+Ef5n/GgD4Aor7/AP8AhGdG/wCfCP8AM/40f8Izo3/PhH+Z/wAaAPgCivv/AP4RnRv+fCP8z/jR/wAIzo3/AD4R/mf8aAPgCivv/wD4RnRv+fCP8z/jR/wjOjf8+Ef5n/GgD4Aor7//AOEZ0b/nwj/M/wCNH/CM6N/z4R/mf8aAPgCivv8A/wCEZ0b/AJ8I/wAz/jR/wjOjf8+Ef5n/ABoA+AKK+/8A/hGdG/58I/zP+NH/AAjOjf8APhH+Z/xoA+AKK+//APhGdG/58I/zP+NH/CM6N/z4R/mf8aAPgCivv/8A4RnRv+fCP8z/AI0f8Izo3/PhH+Z/xoA+AKK+/wD/AIRnRv8Anwj/ADP+NH/CM6N/z4R/mf8AGgD4Aor7/wD+EZ0b/nwj/M/40f8ACM6N/wA+Ef5n/GgD4Aor7/8A+EZ0b/nwj/M/40f8Izo3/PhH+Z/xoA+AKK+//wDhGdG/58I/zP8AjR/wjOjf8+Ef5n/GgD4Aor7/AP8AhGdG/wCfCP8AM/40f8Izo3/PhH+Z/wAaAPgCivv/AP4RnRv+fCP8z/jR/wAIzo3/AD4R/mf8aAPgCivv/wD4RnRv+fCP8z/jR/wjOjf8+Ef5n/GgD4Aor7//AOEZ0b/nwj/M/wCNH/CM6N/z4R/mf8aAPgCivv8A/wCEZ0b/AJ8I/wAz/jR/wjOjf8+Ef5n/ABoA+AKK+/8A/hGdG/58I/zP+NH/AAjOjf8APhH+Z/xoA+AKK+vtS0ySPVbtILWURLO4QKrYxuOMVW/s+4/59p/++WrkeJSdrHorAtq/Mj5Kor61/s+4/wCfaf8A75aj+z7j/n2n/wC+Wo+tLsP6g/5kfJVFfWv9n3H/AD7T/wDfLUf2fcf8+0//AHy1H1pdg+oP+ZHyVRX1r/Z9x/z7T/8AfLUf2fcf8+0//fLUfWl2D6g/5kfJVFfWv9n3H/PtP/3y1H9n3H/PtP8A98tR9aXYPqD/AJkfJVFfWv8AZ9x/z7T/APfLUf2fcf8APtP/AN8tR9aXYPqD/mR8lUV9a/2fcf8APtP/AN8tR/Z9x/z7T/8AfLUfWl2D6g/5kfJVFfWv9n3H/PtP/wB8tR/Z9x/z7T/98tR9aXYPqD/mR8lUV9a/2fcf8+0//fLUf2fcf8+0/wD3y1H1pdg+oP8AmR8lUV9a/wBn3H/PtP8A98tR/Z9x/wA+0/8A3y1H1pdg+oP+ZHyVRX1r/Z9x/wA+0/8A3y1H9n3H/PtP/wB8tR9aXYPqD/mR8lUV9a/2fcf8+0//AHy1dL4Q0S3uvtn9pWZbbs2eYCMfezj9KqFdTly2M6uDdODnzJnxLRX3/wD8Izo3/PhH+Z/xo/4RnRv+fCP8z/jXScJ8AUV9/wD/AAjOjf8APhH+Z/xo/wCEZ0b/AJ8I/wAz/jQB8AUV9/8A/CM6N/z4R/mf8aP+EZ0b/nwj/M/40AfAFFff/wDwjOjf8+Ef5n/Gj/hGdG/58I/zP+NAHwBRX3//AMIzo3/PhH+Z/wAaP+EZ0b/nwj/M/wCNAHwBRX3/AP8ACM6N/wA+Ef5n/Gj/AIRnRv8Anwj/ADP+NAHwBRX3/wD8Izo3/PhH+Z/xo/4RnRv+fCP8z/jQBq0UUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAQy3trDOkM1zDHLJ9yN5AGb6DvUxIAJJwB1Jrnba6vLWK6vyIWjN4ySoUPmMu/YMNnAwMYGPx5rZ+0GR5Y7i0kjhVTmWUpsYfgxPT1Ao6B1H217a3gY2lzDOF+8YpA2PripqzLMG81Q6ikZjg8nyoyww0ozndjsPTPPJq5LcSRzpGlpNKrYzKhTavPfLA/kDQBJLNFAoM0iRhmCguwGSeg+tEs0cEZknkWNB1Z2AA/E1meIrZbyztrdyVElyi5HUcHmsvU7mTU9KEUnDWsZkuQD/y0B2AfmGP4Chag9DqqKwdX1G4ge5lspbhvsoXeixx+Up4OGLYY5B/hPHFTs15dalfRRX5to4FQoFjQkErnkkHj9fejpcOtjVkkSJN8rqi5AyxwPSnVz2pbNR8O2moTxL5/7ll5OFLOmSB/XriugdisbMqM5AyFXGW9hnigBaY00aSJG8iq8mdilgC2OuB3ptvM80ZaS2ltyDjbKVJPv8pIrndSukmvrq5VLh5LEqtvsgdlLKdz/MAQM528ntR1A6eiso3U1zqieRcslqLVbjaiKS+SeMkHgj/IqsZr+Xw7Jqa3bmSS2aRYFRdqZGRg43ZHuTzR0Bas1jqNkt19ma8txPnb5RlXdn0xnNPa6t0ikkeeNY4jiRy4AQ+hPas93TTtPs1tbWGWzLRrkyYILMMMBtIPJznIqrBZyXaXbW7Is1vqTyoJASrEKBg4+vXtR1/ryDpc27e5gu4/MtZo5kzjdG4YZ+oqMajZG6+zC8gM+ceUJV3Z9MZzUen3n2rz1kg8i4ifbMmQ3OAQQe4IxWQIp75LyzitW2m/Lm4ZlCphgcjndnjHTv1o6h0OjorCa9vUt7q4Nzk/ajbQoUXamZAoY8ZJGfXH86uQtcWurR2st091HNCzgyKoZCpH90AYO707UbgaNFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBUf/WN9TSUr/6xvqaSoNQooooGFFFFABRVXUnaPSbt0YqywOVYHBB2nmud0CXz7vTjZXF8zC1D3y3ckpDBlG0qJT/eB5XjGeelC1E9DrKKw4vEX/E7TTriO1DyFwqwXYllQqM4dMDbkDsTzxVW41/ULnwxdalYW9tGoiLxSC63svqGXZgMOPl5HUZoA6aisC+8S/YJo7ScWEV55XmyLPfCKNQSQArFcsTjptGPXpmW11+TULq1jsLMPHPbpctJJNt2KWII4ByRjjsfUUWC6NqisnUZpU8Q6PGkjrHI029QxAbCZGR3pda1d9JjWQJZ+WVJ3XV4INxH8K5U5P5UhmrRWMPEUPkTzvCyxJZpeREtzIrA8Y7EEAd+oqne+L4rKWWORbNZLZFa4jlvVR9xXcVjBHzkD12gnj1wxXR0tFZlrqs15qs1tb2q/Z4dpedpcEhkDDC7eTzzkj+ladAXuFFFFAwooooAKmt/4vwqGprf+L8KFuTLYmoooqzMKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAKjaXaNdfaDEd+8OQHYKWH8RXO0n3xmp54I7m3kgnXdHIpVlyRkH6VJRQBVt9PgtZA8TXBIGAJLmRx+TMRVqiigCOaCOfZ5q7vLcOvJGGHQ1E+nWrrcK0IxckGbBI3kAD+lWaKAKVxo9jdSSPPEzeb/rFEjBWOMAlQcE++M8CoX0WG41C6nugWSYKoCSuhIAwQ2CMj2Oa06KAIprWG4txBLGDECpCjgDaQR09wKloooAKit7WG1h8qBNqEliCScknJOT7mpaKAK1rp9rZ7fs0ezbH5Y+YnC5JxyfUmkg0y1tpjJAjIckhBI2wE9cJnaPwFWqKAKKaPZRupSN1VW3rEJn8sHOchM7evPSnvpdq6sNjrulMxaOV0O8jBOQQenbpVuigCG1tIbOMpbqQGYsxZizMfUk5JP1p0MEcG/yl2+Y5duScsepqSigCD7DbG3lgaFWimZmkRuQxJyetJbWFvaOzxBy7DaXklaRsemWJIHtViigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAKj/6xvqaSlf8A1jfU0lQahRRRQMKKKKAIbuD7VZzQbtvmxsm7GcZGM1Q/sUqmmmG58uaxQRGTZnzY9oDLjPGcAjrgjvWrRSAwLLw5PaGwQ38fkaeW8mOO22bsqVyx3HLc5yAAeeOeFPhySePUGvLuIz3tuIHkt7fygcZwzAsdzc9cjjit6imKxkHSr5btb23voI7tohFOWtS0cgBJUhd4KkZP8R61Zg0949S+2Sz+a5tlgb5MZIJJb8c9KvUUBYzdS064u7yzurO5igltS5HmwmRW3LjoGX+dVptFvZrxrr7fAk81v9nmdbQ5C5J/d5c7T83OdwOBxW3RSGczPpAkvNH09BO4sYwtxN5RSN41CkLk8El0XgE4Gc1ovpd3DfXM+mX0dul0Q0sctv5mHA27lO4YJAHXI4rVop3YrIqW1j9nvry58zd9qZW27cbdqhevfpVuiigYUUUUAFFFFABU1v8AxfhUNTW/8X4ULcmWxNRRRVmYUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRTJporeFpbiRIo1+87sFA/E0+gAoopkU8M5cQypIY2KPsYHaw7H0PtQA+iiigAooooAKKKKACimSzwwBTPKkYdgi72A3MegGepPpT6ACiiigAooooAKKKKACiiigAoqA31oud1zCMSiE5kHDnon+9z061PQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRTJJo4tvmyKm9gi7mA3MegHvQA+iiigAooooAKKKKAKSrczl3iij272UbpCCcEj+77Uv2e9/55Q/9/T/8TVnT/wDj3f8A67Sf+hmrVKyHzMzPs97/AM8of+/p/wDiaPs97/zyh/7+n/4mtOiiyHzMzPs97/zyh/7+n/4mj7Pe/wDPKH/v6f8A4mtOiiyDmZmfZ73/AJ5Q/wDf0/8AxNH2e9/55Q/9/T/8TWnRRZBzMzPs97/zyh/7+n/4mj7Pe/8APKH/AL+n/wCJrToosg5mZn2e9/55Q/8Af0//ABNH2e9/55Q/9/T/APE1p0UWQczMz7Pe/wDPKH/v6f8A4mj7Pe/88of+/p/+JrToosg5mZJ86KdY540XcpYFX3dCPYetPp99/wAf8H/XJ/5rTKllLYKKKKCgooooAKKKKACprf8Ai/Coamt/4vwoW5MtiaiiirMwooooAKKKKACiiigAooooAKKKKACiiigArm/Ft1Yym00fUb2K0huyzzPJKI/kUcAE9yxX8jXSVVj0+JNVm1Dc7TSxLFhiNqKpJwOO5OTSAwrbxBczeG9OnsWt7m5kuVs5WZsoWBKswI+mR7GrC6xeWzapbalcWMctnHHIl0UZIir5A3KWJyCpGA3PHSrh0K2N1JOJJh5l0l0UBG0SKu3jjuMZ+nakvfD9rfT3M0kkySXCxDcjAeWYmLIy8dcnvke1P+vy/wCCH9fj/kc7qWsz6hoOtWd1h3t44XWUWkltuV26bJCTwVPOcHNbVxrs1mNWjuIkM9pta2VQQJlfiP8AHflTilbwvbSLffaLu7nkvkjSaR2XJ2EkYAUAdccDHHTOSWXNmNT8WW0yxTJFYI3myOjIsrZBRRnG4AgtkZAOKOoDP7X1BNaSxu5rOzwY1UTW74uyQC/lvuCg5JAX5jxk1C+sXFta30tpawRbdSeGWaO2aQIgUEyuiHcx7E5HUE9K1LrRFvbrfc3929v5qy/ZCU8vcuCOdu/GQDjdjNH9iCNZfsl/d2rTXLXLPEUJLMMFcMpGPwz70f1+X/BD+vzLOmztc6fHM9zbXRbOJrUYjcZOCOT/ADPNWqq6dp8WmWYt4C7Dczs8hyzsxyzHtySTwAKtUAFFFFABWJOv9neL4bn7sOowmCQ9hImWQ/iu8fgK26patpcOsWBtbh5Y1LBhJEwDqQeoJB+n0Jo16Ac/DMfs8Oqy28MzarqcWwTJu2RfdjK+h2jcD6saePFF7PdPJa2zvbpdGDyFsJ3Z1D7GcTD5B3OMHpjOTxvXGlW9xb2kJ3Rx2kscsSoQOU6DntVeLQ0t7x5bS9u7eGSbz3tY2Ty2fOSeVLAEjJAYDr6mhb/15f8ABB/1+P8AwDKuvFF5a2ILW8T3MF3JHdKAQqwx8s4Gc52FCPdq2tOvpb67v+E+zQTCGFlByxCguT/wI4/A0z+wbM6neXr73e8i8qRGPygYAOBjqQFB+gqbStMh0jTo7O2aR0Qkl5TlmJJJJPHOTQvP+v6/UH5FyiiigAooooA5rxVHFNqmiJPp/wDaKGeXNttRt/7s9nIXjryan+0zW0ljpWi2EGmPOkkzpNEpWFFIB+SNgCSWHRvU+1X9S0pdRmtZhdXFrNauzxyQbCcldpyHVh0PpUU2ief9nkfUbz7Xbltl2vliTa3VSNmwjgdV7CgDBs7iW3+0i6htZ5ZNeSNtyEqCVX51B6HuOuPfrWn4cfUpL7Vvt15HPFHeMiqImBU7VPBLnC8/dx15z2qeHw1aQx7PPuXP20XxZ3BLSDHXjocdPyxVu10xLPULq5hnmC3TeY8B27A+ANw43Zwo749qFp/Xkv8AJif9fj/mi7RRRQMKKKKAMXxL93S/+wlB/M1n3Wv6vDZ6rfxR2bW+m3TReSVbfMo25+bdhTg9cHPoK6C+sIr8W4mZ1+zzpOuwjll6A+1VpNBtZdPv7NpJvLv5WllIYZBbGccdOO+aF/X4f8EOq/ruV49Sv7XVHttTezMbWjXKSorRrFtIDKxLHI+YfNx0PFZ0Pi2W3kuPtjR3cUdi92kkNnLbhthGQC5IcHcMMvH5ity+0W11GRmut7B7Z7ZlDYBRyCffPyiqbeHLeNpbq9nvdScWj2xSVky8ZwSoCqozx14PPJ6YP6/P/gAv6/D/AIJH/aesWV9psepGyeO83mQQxOrRbYy20EsQ3TrgdOnPFbSvE19qFxZS/ZnNteN/q1sJ1MCkEqxmI2MOmcAdeCccx2Vk11r2mvBLqlxb2KuWk1CAxBAybQgBRC5PUk7sY681tWGiLprottfXYtYiTHaMyeWmc8Z27iBngFiBx6Cn1F0MqHXNYbRH1iVbP7NFKwkgSJy5jWQqzht2AQoJxg9OvOBsW9/Lda3cW8IjNrbRJvfks0jc4HbAXB/4EKjNvbaJoUkAiuLqHL/u1jMjuXJJGFHTJxnoO5o8OaY+k6HBbzktcEb5iW3fMe2e+BhfoKSGzUooooAKKKKAMXxBp895LZyparqFrAzefYO4AmBxhsN8rFeSA2Bz1BArLuHsjpdkfD9pHat/akYe2dPK8qXGCGUdMDB44PUdc10V7Yy3ckbw6hdWTRhgfI2EPnHUOrDjHB9z61BHoNtHEimWaSQXQu3mdhulkAxluMYxgYAA4oW/9dwexTXWLy2fVLbUrixjls0jkjutjRxlXyBuUsTkMp4Dc8dKpHxTex6drDFI5riwhSaJ2tJbZXDZGCjndwVPOcHPtWxe+H7W+nuZpJJkkuFiG5GA8sxMWRl465PfI9qhPhe2kS/Fxd3c8moRJFPK7LnC5wQAoA69hjjpnJIBWv8AWtRsJ7WzlMLXN0ry+ZDZTTLCi7fl2ISznLY3fKPbtWpot9PqGmiW7gaGVXZGDQvFvwcBgr/MARg4PTpzS3+kx30tvOs81rc2+fKngK7gCMEYYEEHjgjsKs2sBtrdYmnluGGSZZSCzEnPOAB+AAFAiWiiigYzT/8Aj3f/AK7Sf+hmrVVdP/493/67Sf8AoZq1QBzHjG7sJPsejanew2kF6zNO8soj/doM4BPcsU/DNQ2/iW6k8L6XNp7W15dSXiWMru3yMwJVnBX1wGHXg10SadEmry6iXkeaSFYQGI2ooJPy8dyeevQVha/oAeWJ7Q3X+l6nBPMIv+WJVSpkGBx0XJORwK7aUqTUab9f8/w8+hxVY1U5VI9mvw/z8uo3UfEGq6PDqUNwtndXdtBFcQPHG0aOrvsKspZiCCOue4445mvtev8AQbh/7ZFtPC9pNcx/ZY2QoYwCUJZjuyGGGwvTpzxDr/h8r4c1MrJd6le3axo8kgBkKK4wqhFUADLHgdyTWpH4dtzNJJqFzc6kzwNbr9qKkJG33lAVV64GScngc070eVN+d/PRbdtf66CSq81lfp8tXv30/rqZ2m+Ir+W6UX0QEEkDytIbC4tktmUA4aSQYYYz8w29OnPDNO8TXUupPazSQ3SvZyXMU0VjNbplCAQC5IkU7gQynt7itKLw5GtjLZXWoX15aSQNbiCd0wiEY6qoYnAxliTTbfwzFFerd3GoX13Ots9qrTsnEbbeyqBkbevU55zxhOVDX+vTp/XmOMa65b99fwv19f8AgFO21rU28MW2qX91p1o95HE0KfZ5H2lhkgAPmRj2VQCOmWxkwQeKNQm09/Jhhku49TSyLSwSW6urBW3bG+ZCA3Q56e9a8nh63bS9Psori4gOnbPs1xGV8xSq7c8qVOVJByMc0y28MWluH/0i6leS8S9d5HBLSKoHp0O3OB+GBgU+ehq2uv6/5ef+YuSvZJPW2r87P9bdP8ilL4iv9Mk1G11BLe6urf7ObdoFaJZfOYooYEttwwOTk8dqXUtW1fRIYVvpLS6lvJVhga2s5f3bYZnJQMzOAF4AxnvjrWjeeHrG/uLyW6Ej/bIY4XUNgKI2ZlZSOQ2WznPYVFJ4dFzBsvdTv7mVHSSGd2jV4GXOCu1AueTnIORweKlTo6Nr1+5bfO9ypQq6pP019d+/S247QNTu9QS5S9hcNDIAkxtJbZZlIzkJJyCDkHk9M98Vr1WsbR7SFllvLi8dm3GS4256AYAVVAHHYVZrmqNOV4nRTUlG0v6/Mz77/j/g/wCuT/zWmU++/wCP+D/rk/8ANaZWT3OiOwVha9bQXms6LDdwRzxNNLujlQMp/dt2NbtUdR0sahLbSi5ntpbZi0bw7M5IwchlYdD6UhmWY4tE8RJFYeXbWlxaSyyw7tkUbIVw4HRc7sHHXrVePXb25e4s1uIXd7N54blLKWJRtIBxub5wQwwymtcaDavBdJdvNdyXcflTTzMN5Tn5RgAKOegA5560230GKK9F3cXd1dyiBrfM7LjYSDjCqB269eec8YXS39df+AHW/wDXQzrXUb228O6Y0+oWxuLiJWUtayTSOuwHARX3Oecls49q1dC1F9V0eK6lQJIWdHAUqNysVJAPIzjODyKrx+HEhjtRDqN6klqhiilBj3CM4+Q5TBHyjkjPvV7TNNh0mxW0tmkaNWZgZG3N8zFjz35NU2ncSTSSLdTW/wDF+FQ1Nb/xfhSW4S2JqKKKszCiiigAooooAKKKKACiiigAooooAKKKKAI/Iu/+e8H/AH5P/wAVR5F3/wA94P8Avyf/AIqpv7G0z/oH2v8A35X/AAo/sbTP+gfa/wDflf8ACgCHyLv/AJ7wf9+T/wDFUeRd/wDPeD/vyf8A4qmaaixabIkYCKks4UKMAASNircJJt4yTklAST9KAK/kXf8Az3g/78n/AOKo8i7/AOe8H/fk/wDxVZV/4jubS5vQtpaC2tJkhM0920ZZmRGGFEbf3wOtU/8AhMpv+ffTv/A2X/4xQB0PkXf/AD3g/wC/J/8AiqPIu/8AnvB/35P/AMVWdovii11TZDNst7x5HRYAzNu255DFRkEDPTpW5QBU8i7/AOe8H/fk/wDxVHkXf/PeD/vyf/iqt0UAVPIu/wDnvB/35P8A8VR5F3/z3g/78n/4qrdFAFTyLv8A57wf9+T/APFUeRd/894P+/J/+Kq3RQBU8i7/AOe8H/fk/wDxVHkXf/PeD/vyf/iqt0UAVPIu/wDnvB/35P8A8VR5F3/z3g/78n/4qrdFAFTyLv8A57wf9+T/APFUeRd/894P+/J/+Kq3RQBU8i7/AOe8H/fk/wDxVHkXf/PeD/vyf/iqt0UAVPIu/wDnvB/35P8A8VR5F3/z3g/78n/4qoTZW17r8wu4I5gtrHt3rnHzPVr+w9L/AOfC3/79igCPyLv/AJ7wf9+T/wDFUeRd/wDPeD/vyf8A4qpP7D0v/nwt/wDv2KP7D0v/AJ8Lf/v2KAI/Iu/+e8H/AH5P/wAVR5F3/wA94P8Avyf/AIqpP7D0v/nwt/8Av2KP7D0v/nwt/wDv2KAI/Iu/+e8H/fk//FUeRd/894P+/J/+KqT+w9L/AOfC3/79ij+w9L/58Lf/AL9igCPyLv8A57wf9+T/APFUeRd/894P+/J/+Kp7aLpKIWextlVRkkoAAK57wxr/AIJ8YXWo2/h82l1Lp0xhnURgZ/2l/vLnI3DjigDe8i7/AOe8H/fk/wDxVHkXf/PeD/vyf/iqhFlbWWvwi0gjhDWsm7YuM/MlXoyTJNk5w4A9vlFAFfyLv/nvB/35P/xVHkXf/PeD/vyf/iqt0UAVPIu/+e8H/fk//FUeRd/894P+/J/+Kq3VK71SKyuBFKrHK5yvasqtaFGPNUdkOMXJ2Q7yLv8A57wf9+T/APFUeRd/894P+/J/+KqA69aYziQ+23/69VZfELZ/cQAD1c5/lXJPMsJBXc7+mpoqM30NHyLv/nvB/wB+T/8AFUeRd/8APeD/AL8n/wCKrLXxDMD88MZHsSK3IZRNAkoGA6hselaYfG0cS2qb1Qp05Q3K/kXf/PeD/vyf/iqPIu/+e8H/AH5P/wAVVuiuwzKnkXf/AD3g/wC/J/8AiqPIu/8AnvB/35P/AMVVuqVjeSXN7qUMgULa3CxIVHJBijfn3y5/DFADvIu/+e8H/fk//FUeRd/894P+/J/+Kq3RQBU8i7/57wf9+T/8VR5F3/z3g/78n/4qrdQ3F3BatEJ5AjTSCONepZj2AH5+w5oALWFreHYzByWZiQMdST059am5oooAOaOaq6je/wBn2izeX5m6eKLbux9+RUz+G7P4VQi1i+/dfatPhtt8rBlkujuWMHAfGzknn5fYc88AGzzRzWL/AGzfMreVY2sjiHeqLeHLScZT7nTGefbpzWtbSPNaxSzRGGR0DNGTnYSORn2oAk5o5oooAOaOaKKADmjmiigA5o5oooAq3VpJPNHJHIqFFK/Mm7Oce49Kh+w3P/PxF/35P/xVUtQ8SPa389tbWaSi3KrJJLcrEu4qG2jIOeCD+Nctqvj3W7TWbu1t4dPEcEuxd8bsegPUOM9fSplKMVeRMqigrtnbfYbn/n4i/wC/J/8AiqPsNz/z8Rf9+T/8VXN+Gtf8R+I47lkk0uD7O4U5tpG3ZGf+elX21rV9P1C5tb9bC6MUEUymMtbj52dcEsW/ufrTVmropSuro1fsNz/z8Rf9+T/8VR9huf8An4i/78n/AOKrJXxVdswVdPtCScADUV5/8drb0vUE1TTo7tI2i3FlaN8ZRlYqw49CDRZDuyL7Dc/8/EX/AH5P/wAVR9huf+fiL/vyf/iq0KKLILsz/sNz/wA/EX/fk/8AxVPS0ukzi4h59YT/APFVdophdlTyLv8A57wf9+T/APFUeRd/894P+/J/+Kq3RQIqeRd/894P+/J/+Ko8i7/57wf9+T/8VWZqWu3NnqEsESRFUxgsDnkA+vvVT/hJrz/nlB/3yf8AGgDe8i7/AOe8H/fk/wDxVHkXf/PeD/vyf/iqwf8AhJrz/nlB/wB8n/Gumgcy28btjLKCce4oAr+Rd/8APeD/AL8n/wCKo8i7/wCe8H/fk/8AxVW6KAKnkXf/AD3g/wC/J/8AiqPIu/8AnvB/35P/AMVVuigCp5F3/wA94P8Avyf/AIqjyLv/AJ7wf9+T/wDFVbqK5mNvbmRV3kEADOM5IH9aAIfIu/8AnvB/35P/AMVR5F3/AM94P+/J/wDiqhk1KSGTZLBGp27smU4/9B9qm+0XX/PtH/3+/wDsaALl7LcQ2UslnbrczqpKQtJsDn03YOPyrM8L63ea/pjXl7pTaaN5RI3lLs2DgkjaMcjFbVFAGXY/8eM3/Xaf/wBGPViD/j2i/wBxf5VXsf8Ajxm/67T/APox6sQf8e0X+4v8qAOS1L/j+vP+w9Zf+g29Z66lffagPttxjfjHmt6/WtPxDp2p28k93arHPBLqNtdbEikeVNnlqeF6j5M8DOKh+3XOc/Zj/wCCe5/+IrGtzO3KjOVNy62LNvNLNqOmGaR5Cur3CjcxOAIp8D6V0F9qlnpvl/bZvK8zO35Sc4xnoPcVzWnF31HS41hu2db6a4mdrGaJEDRS93UDqwH410t9pdnqXl/bYfN8vO35iMZxnofYVVNNR1NXuVP+Eo0f/n8/8hP/AIUf8JRo/wDz+f8AkJ/8KP8AhF9H/wCfP/yK/wDjR/wi+j/8+f8A5Ff/ABrQQf8ACUaP/wA/n/kJ/wDCj/hKNH/5/P8AyE/+FH/CL6P/AM+f/kV/8aP+EX0f/nz/APIr/wCNAB/wlGj/APP5/wCQn/wo/wCEo0f/AJ/P/IT/AOFH/CL6P/z5/wDkV/8AGj/hF9H/AOfP/wAiv/jQByUGvS3PxVVIdQuG05ukW9gn+o/uf73PTrzXefbbf/np/wCOmuDg0GW2+KqvDp9wunL0l2MU/wBR/f8A97jr14rvPsVv/wA8/wDx40AH223/AOen/jpo+22//PT/AMdNH2K3/wCef/jxo+xW/wDzz/8AHjQAfbbf/np/46aPttv/AM9P/HTR9it/+ef/AI8aPsVv/wA8/wDx40AH223/AOen/jpqSKaObPltnHXio/sVv/zz/wDHjUkUMcOfLXGevNAEFv8A8jBcf9esf/ob1ga4Wsteu9Q1mDVzpKRwhLiyvnjig5O9njSVWIyVyQrcD2rft/8AkYLj/r1j/wDQ3qrq+i6jrH2i0l1SKPS7kBZIEtf32zADKJd+ADg87CeTg9CDqgMbUzd38fiTUotQureXSTtskhnZI1KRLIS6A7X3M2DuB4HGK09Xu576HQ7WOWS2XVJh57wuyOEETSFVYYK5KgZHOM0X/hea5mv0tNQW2sdU2/bbcwbmbChG2PuGzcgAOQ3qMGp73Qbm6IdNRWOW2uVn08/ZgVtgI9hQgEF1ILZ5B+bg8Chbfd/wfvD/AIP/AAPuGeHHmg1DWNLknmuIbK4XyHnkaRwjxq+0u3LYJOCSTjFSeJIL2eG0FpDd3ECzE3MNlc+RM67GxtfenRtpI3Dj16VZ0fSm05bmW5nW5vLybzriZY/LVjgKoVcnChVAAyfXPNWr6Ge4sZobS4+zTSKVWbZuMee4Gevp7+vSh7Ajl9C1Qm7s4Na1WOGWBDbwRSXQDXk3Rj1HmbeEzg5bcewNdfXN3PhBXm2Wd0lvZyQwQzwtBvdliYsux9w2kljkkN6jB5rpKYinq2k2euaVPpupJJJa3C7JUjmeIsvpuQgj8DXMeHPhJ4K8I6umqeHdHksbxVKiRL64YEHqCrSEEfUV0us6YNY0e5sPtd1ZmdCouLSZopYz2ZWUgg15t8Mvh14w0DxFf3/jTxdq2qQwSmOwt31KWSOVP+erqWxnnG09CD7Uhnotx/yMFv8A9esn/oaVNF/rJ/8AfH/oIqG4/wCRgt/+vWT/ANDSpov9ZP8A74/9BFAElFFFABXL6xJv1ST0XC/pXUVx10/m3cr/AN5yf1rwM8najGHd/l/w504de82RUUVHdXVvp9m93fSeVAnfux9AO5r5anTlUkoQV2ztbSV2TrGz9MAZAySByeg57102kvv02MHquVP4GvPtMFxrlxHrGpR+VZxNusLM9Cf+ejeprudAkL2sqsckPn8//wBVfR4ClDC4pUua8mnfsupyVG5wv0NWiiivpTkCsrSf+Qtrn/X6n/pPDWrWVpP/ACFtc/6/U/8ASeGgDVqC9ufstq0irvkJCxpn7zE4A/OqNyZdUvJLK3mkt7aDAuJoW2uzEZEantgYJI55AHfGc80mk6kI7iWe+toQfsqsd0rTMBiPJ5YhSSCegY5PGaUXeW2hU42jvr/X/Dly5Z9IjjuZ72e4uZH2+QOROx/gRP4fr2A57mptLsneQanqDpNeSp8mw5SBDzsT+rd/pgBdO06UXB1DVCsl867QqnKW6f3E/q3Un2wBPZ/uLq4tP4VPmxD/AGWzkfgwP4EVo25asySUdEXKKKKgsyvEf/IJj/6/bT/0ojqnLbx6Z5SahrPmbJGkbz4VdmjJ4QnBIAOQD74qz4pmjt9C86Zgkcd3au7McBQLiMk1jT6npV2fJ/t3TUSZzJdTNcRln/uooJxgDueOAcHJpdR6JXLy2N8GCz3ItRcQ+VFJHDHuST+8cAbWIB4BIyfpnftojb2sULSNK0aBTI5yz4GMn3NcY95pdtDNDZ+I7V16wtLqAcHvsYEnBBxtcegznHPXadeR6hp0N1DJHKsi8tE4ZSRwcEdeQRTumr2sQk07M5fSNIk1Hw2b+PVNSg1FnmZJ/t0rqrLIwGYmYxlcADBXp6dazZddgv77TL3W5tRgtZtFF1JHYS3Kqkm4ZY+SeABnluK37bw5qsOnNph1qJLBmkybezKXG12LECQyMB97GdmcdMHkaEWhQwa1HewlUgisfsS2wTgLuBBzn0GMYpf1+D/4BXT+u6/4JktcalbeCrG0ubhv7TvmW1il3gyAMx+YspwWWPLEjuM1o+GLmZ9MeyvJmmu9Pma1mdjln28o592QqfqTVC38FQmS0h1SaHUdOsRKLWzntgQgYjbuJJDbFBUcDg1oaZ4dttG1i5utLWG0tLmFFezhgCJ5ik/OMcDIOCMdhVdfX+v8/vF0/r+v+GNiiiikMKKKKAOTX/katR/6/F/9JY65278JarreuardWD2axC8ZMTSMrZCr6KfWuiX/AJGrUf8Ar8X/ANJY6sWkup6ZdagselfaY57ppkkW6jXIIUdCc9qJQU42ZlKMZu0jjdO1fUfA2oX+nTWlrdSsyOzLOwUfLxj5ea3fDmuy+INd1C6nt0t2S1gjCo5YEB5DnJA9ayde8P69q+vXOoR6akaTBAEa6jJGFA9fatPwfoWo6RPfS6lCkImSNUCyq+cFieh9xWdNTVS1vdMbzUnH7JvX/wDx5t/vL/6EKl8K/wDIB/7err/0okqK/wD+PNv95f8A0IVL4V/5AP8A29XX/pRJXTV3NaPwmzRRRWRsFFFFABRRRQBx2u/8hqf/AID/AOgis+tTVkEviJ0bOGZAce4FJJb6fHKybbk7WIz5i/8AxNAFiCZ4tNtfLwMqxPyg5+c1INQugABMQB7CmSCNbS2EIYJsbG85P3jUNAFn+0bv/nsfyFbVhI8tjG8h3Mc5P4mucroNM/5BsX4/zNAFuiiigAqrqJ22TE9A6Hp/tCrVVdRIWyYscAOhJ/4EKAKjSPfSyW8bCNMc7lIZh+PSo7yztrcRh52jdskkHlvrUlzPbybHhuIhLGcqS3buKhiktpLiVryaKViFwSeB14FAFn/ipv8AqGf+P0f8VN/1DP8Ax+ta4uIbS3ee6mjghQZeSRgqqPcngVDZanYamrtpt7b3aocMYJVkCn3weKAKOleZ/ZLfaNvm+ZNv2dN3mNnHtmrkH/HtF/uL/Kq9j/x4zf8AXaf/ANGPViD/AI9ov9xf5UASUVw+q2VtJqer3D6bbXc/25E3TW4kIX7NEccj1NQRWOnSX6ac2k2K3jIJDnT18sD+5ux97HP6dam+tiOfWx39FcsdJ0+x1rRZrPT7W1lN26l4YVQkfZ5TjgewrU1TV5rS/tNPsLVLm8u1d0E0xijVUxuJYKxz8wwAp/Cras7FJ3VzVoqpZ3jyKkN8sFvfFC7W0c/mYUNjcDgEr05wOuKH1O0+ypPDd2rrKjPCxnASTAySG54wMkjOBzS2HuW6Kz31qxtLOObVL6xtGaJZG3XS7ADxkM2MrngHAzU0+qafa2C311fW0NowBW4kmVYyD0wxOOaALVFRwTw3Vuk9tKk0MihkkjYMrA9CCOCKkoAKKKKACiiigAooooAKKKKAKctrc/b2ubS5jiLRLGyvDv6EnP3h/epdmqf8/wBb/wDgKf8A4urdFAFTZqn/AD/W/wD4Cn/4ujZqn/P9b/8AgKf/AIurdFAFTZqn/P8AW/8A4Cn/AOLo2ap/z/W//gKf/i6t0UAVNmqf8/1v/wCAp/8Ai6Nmqf8AP9b/APgKf/i6t0UAVNmqf8/1v/4Cn/4ujZqn/P8AW/8A4Cn/AOLq3RQBTitbn7etzd3McpWJo1VIdnUg5+8f7tWIv9ZP/vj/ANBFSVHF/rJ/98f+gigCSiiigCO4fyraR/7qE/pXG1197E89nLFFgMwwM1zU9lNYQyXF3FiGFGdjuGDgZr5vOKVWrUgoxbXfpqdeHaSdzPvb220yxe8vn2xLwqj70jf3R7/yrmNOtrvxhqX9p6upj0uBsQwjhXP90evua0tGX/hO1ls9XtVb7KRNFNBiPYCRlPocfXiu1h8PbY0jZ0hijXakUS8KPQU8PQnQo/7PG8316IdT47TeiMdm3HoAAMAAcAdgK1fD8mLmVP7y5/I//Xq1/wAI/bY5klz9R/hT7TSBZ3izRyllwQVYf1rDC5fi6OIjVkr6669xzqwlBxRpUUUV9UcQVgR3n2CTxFcBd7reII0/vubeEKv4kgfjW/XLSSrBq2pzSo8iQ6kjrFGMtLJ9liCKB+JOeg25NTK9tCoW5tdjU86Hw9o8SzkzTsfuoPnuJm5bA9zk+gHsKrDw81/BPNq0pF5cRlR5THbbA/wr69iSfvEc8YAZa2c11qolvmWS6ADT7DlLdOqwr7k4LHqQOcAgV0NU4pRsTz80mznNP01WtCdNc6bqNsfLmiRi0RYeqE42sMEEYOD1qxFqJnngmmi+z3VtL9nuoSc7Q+MEHupYKQfTPvVrULSdLhdQ01Q11Gu2SInAuI/7pPYjqD9R0JrI1e4g1Czk1DTnK3VtGUuYGXEix9wy9cqfmH0461EHySs/6QVafu89Nadux1FFQWVyLyxguV6TRq/0yM1PV7CTuroKKKKBhRRRQAUUUUAFFFFABRRRQAUUUUAcmv8AyNWo/wDX4v8A6Sx1rVlX1rf2uu3k8VjdTxzyrNHJbLG+P3SxlWDOuPu579ab9q1T/oG6p/4Dwf8Ax6tYTUVZmM4OTujXorDj1S+muJoI7DU2kgIEi/ZoPlyMj/lt6UWuqX15brPbWGpyRsSAwtoOcEg/8tvUGr9pEj2UjUv/APjzb/eX/wBCFS+Ff+QD/wBvV1/6USVkvNqMq7ZNM1QrkEgQQDODn/ntW54dtZ7PRI47uPypmlllaPcDs3yM4BI4yAwrKclJ6GtOLirM06KKKg0CiiigAooooArSadaTXHnyQhpcg7snt0rl7n/j6l/3z/Ouxrjrn/j6l/3z/OgC03/Hla/7jf8AoRqOmR31xFGsccmFXoNoOKlhv7l7iNWkyrMARtHPP0oAbXQaZ/yDYvx/mas+Wn9xfypwAAwBgUAFFFFABRRRQAUUUUATSxJPE0UyK8bgqysMgj0qjomh2Ph/TxZaZF5cO9n5OSSTnk/p+FO/te3/AOed1/4CS/8AxNH9r2//ADzuv/ASX/4mgCGx/wCPGb/rtP8A+jHqxB/x7Rf7i/yqtYZ/s6QsjpukmYB1KnBdiODz0NWYP+PaL/cX+VAHCa4kMWsancyfaGJvVj2xXUkQx9nhOflIyafLCYZBMy3X9lG3DiYarcF93Ty8b8Zz36YrpLjw8s99c3Meo3kH2lxI8aLCy7gipkb42I4Ud6afDshjCf21f7ByF8u3x/6KrVSp8qTWpi41OZtPR7eRzujLay6rpNxbi6VxeOjLNdvMv/HvKeNxroPEg0yVYINWsr6UZMkNxZ200jwOMchogWRjnrwCAR7VJb+HVgvra5k1K8uPszmRI5FhVdxRkydkYPRj3rYqKjjKV4qyLpqUY2k7s4C5ttdbRdOuxFeTXshn08O6YmW3lJEcsoGMFdqE8cc5AOaktdFuraXVbBLSZbLTLS4jsMKdsvn/AD4UY5242/jXd0VDV0/6/rr95otLHERTxaZ4o0uW+sbiRotERN0Nq8zwtuGRtUFhnBGQOO/WqSaXqFouj3so1Gws1e7cRWNus8tp5r7owYyj8bMqdq5UnHAzXe/Y4P7Q+3eX/pHleTv3H7mc4x061PVXvr6/i3/mSlbT0/Kxk+G7OKz0YLbveOksskub2IRyEs5JJQKu0E5ONo69K1qKKQwooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAqOL/WT/74/wDQRUlRxf6yf/fH/oIoAkorE8U391p2nwS28j28DTqt3dxxeY1tFgkuAQR1AGSCADkjilstRitFsY5NTl1aPUZWW3vCIivCFtpaMKDna2CB7UbhsbVVdQ0611Wza1v4zLCxBKb2XP5EVmS+LLZZo4oLK9upJria3hWFU/etF98glgAOoySOVPtmO18Y2t00BGn6hFDLcfZHnliULDPkjy2G7dnIxuAK5I5pWUtB3a1New02z0u38jT7dII85IQdT6k96tVytt4se2OqNf2t5cW1nfSRyXUUSCO3jBGM5ILAA5JUMQOtaV54jS3up4LTT73UTbIHuHtFQrFkbgPmddxxzhcnBHqMiskrbA7tu5sUVgrr0b62JRdr/ZR0oXocrgY3ffzjP3e1S2fiNLm7tobjTr6xW8BNtLcogWbA3YwrEqduThwp4PcYp/1/X3CNmiufTxhbO1qw0+/FpeTrBbXhjTy5WY4BA3bgvBOWUZHTORm1H4itZbW1lSKfddXbWiwkLvV1LBsjOMDYxPPQUAa1ZMmhMb+6urbVb60N0yvJHEIiuQgTI3Rk9FHetY52nHJ7VynhzUbrUWM11rEzajAGN5ovlRJ5RwcKAVDgcjDFyD9DwAaiaJcxrtj17UVGc4CW/wD8ap39j3n/AEMGpf8AfFv/APGqy9P8Yyvo0d5qelXcck149rCkQjbzGDOFAAkOD8mCTgZ6cc1duvFEVr5u7Tb6QWsayXpjWNhaAjdh/n+YheSE3cfUZA8if+x7z/oYNS/74t//AI1UUvh6SdgZtav5COhaK2JH/kKoIfE0h8Q6ja3Nk8Wn2dsk/wBsLR7QpDksfnJ2kLxhc8HOOKr6r4ouF8Oz31vYX9gq+TJHPPEjCRGkUHCqzMCVPRlB56ZoBPsdFZW32OzjgMzz7AR5kgUMefRQB7cCp6zdM1pNSurm1ezurK5tgjPFchclWztYFWYEHBHXIIOQK0qACiiigAooooAKKKKACiiigAooqpqs8lto17PC22SK3kdGxnBCkg0m7K40ruxbori/DesXV7d6UbXXjrUdxbFtQQrCVtG2Ag7okXad2V2tkkZ/umtm38U21xcQD7Jdx2l0zJbXrqnlTEAnAwxYZCkgsoBxweRmmrOzJTurm3VPUNKtdT8v7X537vO3yriSLrjOdjDPTvVOx8Q/2hYveQaVqHkeUJbdisf+kqemwByRng/Pt4POOcRP4strex1C4vrK8tJNPCNPbyIjSbX+6y7GZWB56HPBpDF/4Q/Rt7P5V1ub7zfb58n/AMfpyeEdIiQJGl2ijoq384A/8fqu/i9Y5ri3Oh6sbq3iE724ji3eVz+8B8zaRkEbc7s/w1PL4otvtNvb2NneahLdWou4Vt0UBoycZLOygde5H58UAbdFc/Hr/wDaGpaK1g7pbXf2gTRSIA6sg+63cFWyDg/nTYPE0MVnpyxxajqM2oeaYF8uISNsPIOCqLgHgnHA5OeoB0VFYa+Kraazs5bSzvLm4vDIqWaIolUxnEm7cwVdp4OW6kYzmrmj6zDrVvPJBDPAbedoJI7hArK6gZHBPrjP5cc0AaFFFFABRRRQAVmvoVtJIzl5csSTgj/Cna1cta2cTLc/Zg06I8vy/KpPP3gRUWnXsjx3bCZr+CJwIZUVd0nHIGMKcHvwPyoAX+wLX/npN/30P8KcmhW0ciuHlypBGSP8KVtZhiguJLiCeFrcr5kTKC2GOARtJBH0PY0o1iFUuDPDPA0AUtG6gswbhcbSc5PH1oA0KKzLfUJp9b+zvDNbqLcuY5QuSdwAOVJHr3rToAKKKKACiiigAooooAKKKKAGv/q3/wB0/wAqbB/x7Rf7i/ypz/6t/wDdP8qbB/x7Rf7i/wAqAG3F3DaKpnfaGOBwTVV9as06Oz/7qn+tUvENxFDJG07hUiXeQVLZycAYAPXp+NUGulTzFfSLhEt1858yIzRq+cMyg5x8p4BJ46V5NSti51Jxo2su5uowSTkdJaXsV6jNDu+U4IIxVTTdLsbqKeW4tIZZDdTZZkBJ+c1V0CRRNKiSB1dA6sM4Pvz9a1dG/wCPSb/r6m/9GGurBVpV6CnPfW5FSKjKyF/sPS/+fC3/AO/Yo/sPS/8Anwt/+/YrnQzWHiWWfXoNXjjuNQCWd0l+/wBlAKqEVoll4ywI+ZMZIyearSz3h0iXxMt9dC5TUyiwCd/J8gT+T5ZiztOVyd2N27vXYtbf12/zM3p/X9djq/7D0v8A58Lf/v2KP7D0v/nwt/8Av2K5SWe8OkS+JlvroXKamUWATv5PkCfyfLMWdpyuTuxu3d629YEmoeJdP0lrieC1a3muZvs8zxPIVKKq70IYD5yTg84FG/8AXlcO/wDXkaH9h6X/AM+Fv/37FH9h6X/z4W//AH7FU/ClxcS6TNBdzPcPZ3c1qJpDlpFRyFLHucYye5qTWNYurC/sLKxsVu574yBfMn8pE2Luyx2scfQHtR5gWP7D0v8A58Lf/v2KP7D0v/nwt/8Av2KxLXxdezLBPcaMsFq179gnf7WGeObeUyq7cMm7A3ZB5J28c39H1641jUbpIrS3W0tppIHf7VmZHQ4+eLb8oOCR8xOMHHNG/wDX9dw2/r+uxc/sPS/+fC3/AO/Yqhqv/CL6FHBJrAsLJLmdbeFpgF3yMflUe9b1eeePPg1o3xE1aO/17WdbTyV2w29tPEsUXqQDGTk+pNAHZS6JpghciwtwQp/5Zim6V/yBrL/r3j/9BFJo+kf2D4dh0wX13frbRbEnvXVpSoHAJVVBx9KXSv8AkDWX/XvH/wCgigC3RRRQAUUUUAFFFFABRRRQAUUUUAFFFFABUcX+sn/3x/6CKkqOL/WT/wC+P/QRQBBqL6kkcbaTDazvv/eR3MrRArg9GVWwc47dM1yGp6e+j6DfSzyWlrqd7fLd2FlatuUTrtARMhS5bGWIUffPHGT3VFAGDZ+HpLKTQhHIjJp0UizM2Q0jOoBYfVsk/Wov+Eeu/wCyvs3mQ7/7X+3Z3HHl/aPMx0+9t/DPfvXR0U+t/wCu4dLf12OSn0HXXtdX02N7AWWqXEjmcyOJII3wGATZhmxnHzDBPfFW10rVtKvr9tEWymgv3WU/apXRoJAioSMK28YVTjK9Dzzx0LMqKWdgoHUk4pi3ELsFSVGY9AGBqbaW+QHMt4MDWh083H+iHR/7O8z+Pdn7+Onv1qyumavqNxYDWxZRQ2LGQPaSuzTvsZAdpUeWMMTjLc4GeOehopvXf+v6uH9fp+h53azzyronh6zv9Kv10+8iy9lcmWVooj1kQDEWABk7my2AOta2i2sV9421C+srlLjTrclozH8yC5kVVkww4OAgz6GRq66infr/AF0/yBgc4OOvbNc3/ZesalrOl3mrW+m2jaezOZ7Sd5ZJcoVKANGu1DnJ5b7oHvXSVha7rOqaTcW4ttNs7mC5uI7eN5L1o23v6qImAHvk/Sl1DoypaeH9SiitLeY2vlWeqPdpIsrFpI2MhwV2/Kw3gYyQcHkdKgvvCG7XL+8j0fRNUS+ZZC+pJ+8t3ChTj9229flBxlec888dFb6jH/Z73F/NZwNAStz5dzvjhYdQXIX1HUDrSSa3pUV1HbS6nZpPI5jSJrhAzsDgqBnJOSOKP6/L/JB5mTqPhy4vr7U4h5C6fqdglq7KxWSAqHwVXbhh847jGO9Lc2Gvapor2Oopp0TqYSssM7sJCkisxIKDZwvAy3J68ZrYu9W06wuIbe+v7W2mnOIo5plRpDnHygnJ59KsPNHGQJJFTPTcwFHmH9f19xnQaZNH4svNTZo/JntIoFUE7gyM5JPGMfMO/rWpTUkSQExurgddpzTqA63CiiigAooooAKKKKACiiigAqtqVu95pd3bRFQ80LxqW6AlSBn86s0Umrqw07O5zi+H7q3Gjy2zwie2tlsr4FiFmh24ODj7ysMrkd2HGapaB4RbRZLaL+xtBP2QFU1JI8XEgAIUldnDdMnec88c8dhRVPV3JtZWOMHhbVjZ36W/2TTFuBF/oNndy+Q7K+5znapi3j5TsB65OTTYfB12lvrCw2ul6cL9LcR21nkRxmNiWyQg3Eg9do9McZOrqWt6zZa3a2EGlWMy3jSCCR9QdDhF3EsBCccehNa0WoWz2UNxJc2wWUhAyTBkZycbVbjdzkep9KS2Gym+lztr97fBo/KuLCO2UZO4MrSEk8dPnH61gWlpq2la/ptpYpZ3E9rokcM0c0rRo2HxlXCseo6Fec9q6eLW9KmvEtIdTs5LmRdyQpcKXYc8hc5I4P5U99W06PUk0+S/tUvXGVtmmUSMOvC5yehoX9fj/mD13/rb/Ix9O8O3VnPpU008UksElzPdMuQGkmOTsHoCSOewFGleHruxk0ZpZISLCK4SXax5MjAjHHtznFdA80cZxJIiE9mYClSRJBmN1ceqnNHUDiJbGXwtNa6jPqOlQzCe8HlX12YI5Y5pPMGHKnDLhcjae/1rY8G/aJNPvry5KMLy+knieMEK6EKAVzyV+Xhv4hg966GihafkD1/MKKbLIkMLyysFRFLMx7AVTtry8ufLl+wrHbycgtN+8C9iV24/Ddn+VAF6ioFvrRro2y3UJnHWISDcPw60hv7MTiA3cAlJIEZkG4kdeKAI9TtprmCL7MIzJFMkuJGKg7TnGQD/ACqlLpl5cLeTM0UM1x5Y8uKRtpVTkgvgHLAkZxwPWrk+qW66fJd2skd0kZAPlyAjJIGMjPrUqX1tMkptriCUxA7wsowp/wBojOOlAGSmhzBLvZFaWwn8krFBkKuxsnJ2jOfXH+NWL7SZrq8uJ45EQtHF5Wc/fRy3I9OlXW1C2hhRry5t4WZQxzMMc+hOMjrzTp760tdn2m6hh3/c8yQLu+metAFa3tr1tW+2XYgjUQGIRxOXwdwOckD+VaFVJNUtItSSxeZFnddwBcDuMDrnJzwKct7ElmLi7mt4UJxvEwKdcD5iBR0DqWaKh+2Wv2dZ/tMPkv8Adk8wbW+h/A/lTobiG4h823mjljP8aMGX8xQBJRTBNGTgSISeg3Cn0AFFFFABRRRQA1/9W/8Aun+VNg/49ov9xf5U5/8AVv8A7p/lTYP+PaL/AHF/lQBha/pmoXcvm2Kq5jeORFZ8BijBgD9SKjuZYru5Nxb6TqK6qyeXtkWRI1643tny2Ayem6ulorCnQjTcmtbu+vfyLcmzH0jRZdLFurXHnLDCIiTnOAMf0rQ0b/j0m/6+pv8A0YasVQitL628xbe9hWN5XkCtbliNzE4zuHrTo0YUU1Dq7ilJy3IrnRNQ1G7jXUtUik0+K5FykENr5cjFW3IrSbyCoIHRQTgc9cwf8IrJ5ptvt6/2Q159sNmbf59+/wAzb5m7Gzf82Nue2cVobNU/5/rf/wABT/8AF0bNU/5/rf8A8BT/APF1stCXqZ//AAisnmm2+3r/AGQ159sNmbf59+/zNvmbsbN/zY257ZxU0+hahJcW99FqsY1G3eZUmltAyGGRgfLZFZSdu1cMGByuT1Iq1s1T/n+t/wDwFP8A8XRs1T/n+t//AAFP/wAXQBLo+lppGmrbLIZpC7SzTMADLI7FmbA6ZJPHYcUXem/atY0++83b9j8z5Nud+9QOueMYqLZqn/P9b/8AgKf/AIujZqn/AD/W/wD4Cn/4ugCr/wAI1/xLvsv2v/mJ/wBobvL/AOm3m7MZ/DP447UttoFwPEi6vf3lvNJDG8URhtfKkZGIIWR953gY4ACjOTVnZqn/AD/W/wD4Cn/4ujZqn/P9b/8AgKf/AIuhaf18gev9fM068r+Klr8VLfUrO7+HGss1pcypBNZG0t3+zknHmbnQnZ65PH0r0HZqn/P9b/8AgKf/AIujZqn/AD/W/wD4Cn/4ugBNHs9RsPDsNvrepNql+sX7+6MSR72xzhUAAHpxS6V/yBrL/r3j/wDQRSNFqbKVN9b4Ix/x6n/4up7SD7LZw2+7d5UapuxjOBjNAEtFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFRxf6yf/fH/oIqSo4v9ZP/AL4/9BFAElFFFABRRRQBHPBFdW7wXEayxSKVdHGQwPYisHw74I0nw1eXFzYozyzMdjSnJiT+6vt79a6KigAooooAKKKKACsPxPbzXC6T5EUkvl6pBI+xSdqgnLHHQD1rcoo6ph0aOO1Gznbxmulxpmy1KSLUJyD93yeGGP8AaIg/8erNkaObTfFOmQaVczXt/fTRxSR2zMjscBWaQDamw8/MQRjI613FvplpbX897Gjm5nADySSs5ABztXcTtXJzhcCpLWzgs/O+zR7POlaaT5idzt1PNJf196/RA97r+t/8zh7/AEuddW1qDVrnWhDqCosf2CySdJ4/LC7CxicoQwb7xUfNkdzXS6/4WsPEWjJY327dEo8q44MkZxjOe+e471tUU+gijo+j2ehaZHY6dF5cSdT/ABOe7E9yavUUUDCiiigAooooAKKKKACiiigAooooAKKKKAMPVreaTxZoE0cUjxRNceY6qSqZjwMntk1lWFnP/wAJo+mMn+gafM+oxtnjdMMKuPZjOfwWuxqpY6ZaacZmtUcPO++WSSVpHc4wMsxJwBwBnA7ULe4dLHCaRtvfCumaXY6Zcx3f9oLOZ/szLGgWYu0vm42klQVxnd82MVNa6VL9rubDV7nW1ll1Q3AS3skaCX96Hjk87yjtAAUHLgjaQOwrubKzg0+zS1s4/LhjztXcTjJz1PPU1PQtP69P8gev9ev+Zi+JvC9h4p08W98pSRDmKdB80Z749j3FXtK0qz0XTYrHTohFDGOB3Y9yT3Jq5RQAUUUUAVdStWvtLubZCFaWNlBPQEiobfUTNGkLW1zDckbWVoW2ofXfjaR+PNaFFAHPQxu2l2eni1mS7hljZ2aIhVKtln342nPPQ5O760s9gZNNvka2LNJqCvgpksu9efpjPPpXQUUdb/10/wAgMDVbWV/7W8u2eQSww4VV/wBYQxyPc4xTpgb25eW0tZokispImLwtGWJxtQAgZxg9OOa3aKQzGtrQm+R5YCcackeWTocnK/XpxVFPtg063tpY7mIfYlUCK23PI/IKMWUhQOOuOvWunopvX+vX/MS0/r0MSyWWC40ppoZgPsXlMRGx2v8AJw2Bx0PJ9KhtYpbVdNnuLeVooUlVlWIs0bs3DbQM9Mjgd66GincRz5tHnlWX7M4gl1FZlRoyCAEwWI7ZYZ5q/p8LJeamHjKxyXAZcrgMCi5I9ea0aKW39en+QzHsfDGnafqkl9BH87coh+7F64/zxWxRRQAUUUUAFFFFADX/ANW/+6f5U2D/AI9ov9xf5U5/9W/+6f5U2D/j2i/3F/lQBJRRRQAUUUUAFFFFABRRRQAUUUUAFV7+/t9MsZby9cpBEAXZUZyOcdFBJ5PYVYrA8bkL4Mvy0nlABCZMj5PnXnnjj3pPYC5/wkNgLF7uT7XFEjrHiaxmjd2PACoyBmJz/CDU9pqtpfXU1vbNK7w48wmB1VSQDt3EY3YIyucjuBXLX6afq9jYCHxDNrITUolaaC9VCm7+E/Z9g7ZBIyMnBrMu4X0e2uWs57hLWTWGiu5bjVJ41SMJld0vzmPLbQXABPAJGaa3/ry/zD+vz/yPSKYs0bTPEsiGSMAugYZUHOCR2zg/lXBw3rBNNTXtcii0aX7QyXVpqbmNmDDy4muhtYkAv1ILFeScGpIk0611PVpLbXJ7aSbSoZLa5uLySU7Nrgy7Gb5gODnHGT0yaOlwWrsd3RXO+DbyK6sbpIHaUQzBWmXUHvYXO0H93K/JHqOxz9a6KmxIKKKKQwooooAKKKKACiiigAooooAKji/1k/8Avj/0EVJUcX+sn/3x/wCgigCSiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAyU8T6VJqH2MTTLKZzbh3tZViMozlBIV2E8HjPNa1efxm4haS41CWM6JHrsryiOMrJC4lOx3ckgx78ZwFI4JJGaNLv9RufFWya/tYL1b6RZbabVZBI0A3YVbQptxt2sHByeueSKS1S/rov8wejf9d/8j0CoZruG3mgimfa9w5SIYJ3MFLEe3Ck81x+kLdW1v4ev1vr65uL5XSdZ7lnSQeU7qNhO1SCijIAPXJOSaoaXe291eeH5otRuLvWHkke9t5blnEMvkSZVoycRENkAALkA9ccPYD0Wo2uEW6SAiTe6lgRGxXAx1bG0HnoTk9ulebaXqWpT6ddz/wBqW6Xa6dcPe2/9rSS3Cy7eD5DIogKtkYXAGcc8GtrUFn0u3RIL69ZpNHvLiR5Ll2LSgQ4cZOFxk4C4AycAZo2/r1/yGtWl3/4H+Z2dFcXd/b9G806Xd3t1cXGjzT7Z5WmzMhTDqp4U/OflUAHjin6Bd6fJ4ototE1m61G2bT5Hl8y9e4TzA8eCSxOHwTleMZ6DPLtrb+uv+RN9L/10/wAzsaKKKQwooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAMf/AISa0/55T/8AfI/xo/4Sa0/55T/98j/GiigA/wCEmtP+eU//AHyP8aP+EmtP+eU//fI/xoooAP8AhJrT/nlP/wB8j/Gj/hJrT/nlP/3yP8aKKAD/AISa0/55T/8AfI/xo/4Sa0/55T/98j/GiigA/wCEmtP+eU//AHyP8aP+EmtP+eU//fI/xoooAP8AhJrT/nlP/wB8j/Gj/hJrT/nlP/3yP8aKKAD/AISa0/55T/8AfI/xo/4Sa0/55T/98j/GiigA/wCEmtP+eU//AHyP8aP+EmtP+eU//fI/xoooAP8AhJrT/nlP/wB8j/Gj/hJrT/nlP/3yP8aKKAD/AISa0/55T/8AfI/xo/4Sa0/55T/98j/GiigA/wCEmtP+eU//AHyP8aP+EmtP+eU//fI/xoooAP8AhJrT/nlP/wB8j/Gj/hJrT/nlP/3yP8aKKAD/AISa0/55T/8AfI/xo/4Sa0/55T/98j/GiigA/wCEmtP+eU//AHyP8aP+EmtP+eU//fI/xoooAP8AhJrT/nlP/wB8j/Gj/hJrT/nlP/3yP8aKKAD/AISa0/55T/8AfI/xo/4Sa0/55T/98j/GiigA/wCEmtP+eU//AHyP8aP+EmtP+eU//fI/xoooAP8AhJrT/nlP/wB8j/Gj/hJrT/nlP/3yP8aKKAD/AISa0/55T/8AfI/xo/4Sa0/55T/98j/GiigA/wCEmtP+eU//AHyP8aP+EmtP+eU//fI/xoooAP8AhJrT/nlP/wB8j/Gj/hJrT/nlP/3yP8aKKAD/AISa0/55T/8AfI/xo/4Sa0/55T/98j/GiigA/wCEmtP+eU//AHyP8aP+EmtP+eU//fI/xoooAP8AhJrT/nlP/wB8j/Gj/hJrT/nlP/3yP8aKKAD/AISa0/55T/8AfI/xo/4Sa0/55T/98j/GiigA/wCEmtP+eU//AHyP8aP+EmtP+eU//fI/xoooAP8AhJrT/nlP/wB8j/Gj/hJrT/nlP/3yP8aKKAD/AISa0/55T/8AfI/xo/4Sa0/55T/98j/GiigA/wCEmtP+eU//AHyP8aP+EmtP+eU//fI/xoooAP8AhJrT/nlP/wB8j/Gj/hJrT/nlP/3yP8aKKAD/AISa0/55T/8AfI/xo/4Sa0/55T/98j/GiigA/wCEmtP+eU//AHyP8aP+EmtP+eU//fI/xoooAP8AhJrT/nlP/wB8j/Gj/hJrT/nlP/3yP8aKKAD/AISa0/55T/8AfI/xo/4Sa0/55T/98j/GiigBkviO1kidFFzGzKQHRVyvuM5GfqDVCwvrOzvHu7i51G/uWTyhLciIFEznaAgVRk8k4ycDngUUUAaX/CTWn/PKf/vkf40f8JNaf88p/wDvkf40UUAH/CTWn/PKf/vkf40f8JNaf88p/wDvkf40UUAH/CTWn/PKf/vkf40f8JNaf88p/wDvkf40UUAH/CTWn/PKf/vkf40f8JNaf88p/wDvkf40UUAH/CTWn/PKf/vkf40f8JNaf88p/wDvkf40UUAH/CTWn/PKf/vkf40f8JNaf88p/wDvkf40UUAH/CTWn/PKf/vkf40f8JNaf88p/wDvkf40UUAH/CTWn/PKf/vkf40f8JNaf88p/wDvkf40UUAH/CTWn/PKf/vkf40f8JNaf88p/wDvkf40UUAf/9k=)

 ![A picture containing plant, ocean floor

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAeAB4AAD/4REERXhpZgAATU0AKgAAAAgABAE7AAIAAAATAAAISodpAAQAAAABAAAIXpydAAEAAAAmAAAQ1uocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFNvcGhpZSBBcmdldHNpbmdlcgAAAAWQAwACAAAAFAAAEKyQBAACAAAAFAAAEMCSkQACAAAAAzE2AACSkgACAAAAAzE2AADqHAAHAAAIDAAACKAAAAAAHOoAAAAIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAyMDIwOjA0OjAxIDA4OjI5OjI1ADIwMjA6MDQ6MDEgMDg6Mjk6MjUAAABTAG8AcABoAGkAZQAgAEEAcgBnAGUAdABzAGkAbgBnAGUAcgAAAP/hCyVodHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLjAvADw/eHBhY2tldCBiZWdpbj0n77u/JyBpZD0nVzVNME1wQ2VoaUh6cmVTek5UY3prYzlkJz8+DQo8eDp4bXBtZXRhIHhtbG5zOng9ImFkb2JlOm5zOm1ldGEvIj48cmRmOlJERiB4bWxuczpyZGY9Imh0dHA6Ly93d3cudzMub3JnLzE5OTkvMDIvMjItcmRmLXN5bnRheC1ucyMiPjxyZGY6RGVzY3JpcHRpb24gcmRmOmFib3V0PSJ1dWlkOmZhZjViZGQ1LWJhM2QtMTFkYS1hZDMxLWQzM2Q3NTE4MmYxYiIgeG1sbnM6ZGM9Imh0dHA6Ly9wdXJsLm9yZy9kYy9lbGVtZW50cy8xLjEvIi8+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczp4bXA9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8iPjx4bXA6Q3JlYXRlRGF0ZT4yMDIwLTA0LTAxVDA4OjI5OjI1LjE2MzwveG1wOkNyZWF0ZURhdGU+PC9yZGY6RGVzY3JpcHRpb24+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iPjxkYzpjcmVhdG9yPjxyZGY6U2VxIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpsaT5Tb3BoaWUgQXJnZXRzaW5nZXI8L3JkZjpsaT48L3JkZjpTZXE+DQoJCQk8L2RjOmNyZWF0b3I+PC9yZGY6RGVzY3JpcHRpb24+PC9yZGY6UkRGPjwveDp4bXBtZXRhPg0KICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICA8P3hwYWNrZXQgZW5kPSd3Jz8+/9sAQwAHBQUGBQQHBgUGCAcHCAoRCwoJCQoVDxAMERgVGhkYFRgXGx4nIRsdJR0XGCIuIiUoKSssKxogLzMvKjInKisq/9sAQwEHCAgKCQoUCwsUKhwYHCoqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioq/8AAEQgCiQIEAwEiAAIRAQMRAf/EAB8AAAEFAQEBAQEBAAAAAAAAAAABAgMEBQYHCAkKC//EALUQAAIBAwMCBAMFBQQEAAABfQECAwAEEQUSITFBBhNRYQcicRQygZGhCCNCscEVUtHwJDNicoIJChYXGBkaJSYnKCkqNDU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6g4SFhoeIiYqSk5SVlpeYmZqio6Slpqeoqaqys7S1tre4ubrCw8TFxsfIycrS09TV1tfY2drh4uPk5ebn6Onq8fLz9PX29/j5+v/EAB8BAAMBAQEBAQEBAQEAAAAAAAABAgMEBQYHCAkKC//EALURAAIBAgQEAwQHBQQEAAECdwABAgMRBAUhMQYSQVEHYXETIjKBCBRCkaGxwQkjM1LwFWJy0QoWJDThJfEXGBkaJicoKSo1Njc4OTpDREVGR0hJSlNUVVZXWFlaY2RlZmdoaWpzdHV2d3h5eoKDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uLj5OXm5+jp6vLz9PX29/j5+v/aAAwDAQACEQMRAD8AvUlFGK8w8USloxS4oHcSilooFcKKKXpQK40indqQ9aDQFxp+9S0h60tBYUtGKWkS2Jihu31paQ0xBSYp1FA7hTR/WnUYoEJ2opaKADFFFLikAlFKFp4Si4DAKeE5p6pTwtS5FqI1Y6eFxT1QmpFizWTkaKJGqZqUpkLx09KlWP2p/l56VjKoaKJCFBHPFPRKMbWxVmJAw6cVnKRSWoiDv2qdU6VIsfHA496eic1k2bJCKmetSKn96pEjz2qQR+1ZORokIqA9aXyiOVIp6qQ3INStEVQMDzWTnZlqJEo45qaOPcRmoUHZjjnk1eiADZB3Cokyoob5PWq8qhScVfYnmqkke4k4qEy5Iz5F3daaIueKsbTnpUixHHSujmsjHluV/LApskYxVwQnrimtFzyKXtNQ5TOaM544pkiALV11waryrmtVK5DjYoslRlOeRVop60nl5NaXM7FdYgajkTHFaAjCgluKrSqCTTUtROOhRdKiZcCrMikZzVV66YO5hJWK0q4PFQmpZTlsVEa647HO9wpOKWmk1QxDSUUdelMYUUUUAFFFFAElKKBS0iGFFFFAgoxRRQAUUUUAFJS0hoATGWp2MUgHNLQMKKKMUhBRRiigAooopgFFFLikAlGKUCnAUAIFpcU/AoxU3KsIop4UmnKtSBahstIaFqQJTkSpQhNZSmaKIiLmrcUaBcsfwqFENTKpWueTubRQvlnrjFOC4qVFZ6cY8cVnc0sU3TDZqa15+UdakaAEZ70yDEc2eRmi+grWZcC44p5j2gE9fSkiBJBNWnjzDu56VjKVmbJXCBcc9fwq1HDuXcKrwOAQvbvV1XBHydAa55PU1iiKSHDA+lPGHTaBSuPU854pwbEfy/jUX0NOXWxRnjMb5Aq1DIkpBAO4daQusnyNzn0qugMM2AeDxmq3QpRcGXcF9xPAzxQ20LgUyaTCfLwO3vUTS4TBPNQbKF1cYiZkOelW9iRgbupqG3YZLflS3O5mBHpVMzpxTepLlT2oKr2HNV0Y7txNP83mlqaun2K06fMapOM1qTgFM+tUTHzW1ORxzjqVxHmkEe1ulXEhzQ0WK09oiOUgkjDpxVOSEg1pBdufSopBnpTjPUTiY1wAQcDFZ0wNa93HtViaypetdtF6nLURSb71MNTOOTUJruWxx9QpppaaaotCUUUUwDpRRRQAUUUUATUUZoqTMKKKWgBKKKKYBRRRQAUUU8JxSAaoycCl284pUwGIHNOH3jSbHYbjBOKTFSYpCKVx2GGkp+KTFMVhuKMU7FKFouFhuKcFpwWpAlJsaiRBaeFp+2nAVNy1EaFxSbOalCU4R1HMVYai5qdEyelPSPgYqeOIk8CsJ1DWMRix9OKkWLNWY7Z2IxU/2bK9cVzuRsolNYzmpNvtVmO3PPHSlEB3HPFTzIrlI4Eb86maMDpzUyx45z9Km+ykLk1lKauaKOhVjiJ7VDcwAR8dQavcq2F60rQkg+aOoqPaO5XLoVLR08j5zz6ValnEkSxpncwAPHQVS2G3kOMHtircAJlUg7T605pPUUXbQnhtyR8ozjuatKMADbj3pcFF27u2cCq8t15QUMCc1hdtnXCm2tCWZv7uM0gcLF83zc9+wpsw3Qkr1FJArbT5nftUmitypkfmKWO3k9sUjbjCdy454qbykRtwFQzNnK01uRUldWCOcbcGmyS9dnDN39BVfPPHSpEGSK0cepzqT2LMI6VPKCYzjrjioo8AVMDmPd2qGaQumZ8jSKyqibiT60qxuTmQ8+gqzIAH3dTjj0pqKWbjrTu2azrN6IaUY8sKbsyeKs+U2cU5I0RSzdu1K5hytsiii+bpRImTgCpVkU9OKhkkVScmjcbjy7kMqYFQgLsJJolnLA46VUlnwuK1jFsyk0itqDg5CmsaTjrV2eXLEVRk5r0aKscVV3ZXc9agNWH4zVc13RON7jSaQ0d6VjgYqyhtFFFMAoopcUAJRTtpooAlxRQ3b60VBmFFFIaYBRRRTAKKKUUgFUc05jilVaCmetTcoYvBp4oCgHinUgQUUuDSUhiEcUgFOwaeqetFx2I8UuDUu30FOA9KXMPlGKtPC09VwvNOArNyLSGBKeqU8LTwhrNzLUREQZpxXnjipFiNPWP1GTWLkaKIQhicKOvFXIl28HBJ4zUSrtUDGKtpwoC9fWs5M1iiRcKufU96XknjpSqnfPSpETJrBtGqCPIbnge9IR+846U9gA2O3c1InlspUY471lza3LsCRHaHbgetWiqJESSD/tGqh3BNvY96kSLKMxUAd2PFQy46EW7/AEjcx4PT6VZjG92eb5wOAB0FRyoGjUKuCP1oe4aK1QKuXQ/dHf6mgcFeVmVrqSI3SII8YUlj6cgf1qZUVVyOo9etUgjfaHnlYtI5H0UDOP51IpbcPmZvQE1pZtEzceZ2LrfNGRk9OKhMHmkb2J545pVOVp6NtYEVBSnJKyZYWMRr85+Y9vShSG+70pj4dlOc+gp6H922zrjAqDSytoDEDtn2qrcDGCQMn0qUsElWInLd6bdn90B701uFSLSKWMtxV+NU8pQqZY9ST0qtBAGcbug9Kvl44zgDHYZrST6GMItscE7Dj8KiunAjIA3EdBTJ7gRxbgeO5rInvfs9wXLZXaefSiFNz2PRoYZz1RsHLxAvgNjpT7YE7vQc1laderOgkB3FwCCe9asbZRgveoknF2Zz1afJOzGrcAtJ3K/qaY1z/D97dyB7VWkDRMwHLMT+FJKyww46vjk0WXQupywV0PaTZgk85zgdBVeSUsSSahaTPeopJMVvGn3OCdRyHySYFUZ5fT07Us0v61TlYmumMTnlIhlc7jULNT3cdDkE+oqBs5ruhGyOSTGPURHFSvUTdK3iYPcjpKU0lUWFFFFMByilJxQBgUjUgGlm7YooopgWD2+tFBoqCAxSGn44ppFADaBTkXJyfWjufqaYgAzTwAKQU4VLKSFoooAzUjClX71DcN+FKtA+o/rTduWzTqVVzU3sWIPalUZ/CnhcMR2qSNABUOVhpEYWnqnNP25binLGSeKzcilEQL2p4iFPWIr9akVKycjRRIvKz61Ii46jgVIFqWOPPb8ahstRI0+9UqYJ5qQwhalhQYOABUNlpDBHlcipYARkkcY4zUgXAwOfwpSCOoxWblc0USTBwOMCnRDLYHJpEk2xkMARQilvu5B7YrnZoW/s+/hgQMdqrKNkhVsipImKNmQs3tmm3DB5MICcDlqkrS1yf5HzGgycZyaaVRJEBdWGeeegqFUkA+U4HfigDGQetAXLAuGkmVIo/lzknp+FQXAEkgT7zZOeOBShmX7rFT6g1LboseZH+YntRsVfmViG4tlhjTB+YjpVboavSHfLufk46A9KqFfnPsauL7kSVnoSxglOnTrUxi+TINNgWQxEDaEJ5J6n2qwFSJjuw74yAPWoZUYtldXYRuqEhipwcZx+dSZFnZvLKxwq5JPoKaQMfLu3D73HGadIBcrtckrjBFI0j7rtIrxorzfafUcY4/8A11CSZNgAwFOTznNWmGBwMDpj0pIYc5wO3WmKc3J2JLaPEe6nXEbSoBvKL3x3qQLhQoHAqO4k2wnafmNLqXSWqsVJ8LCUHauVmWS8upLcAmPPzNn9K37lpfJO0FmY8Ck0rTpEj3XCruPJwK6Y1PZxdj1I11Qpu25Hp9r5CxBU+UDHXpxW9GQijFU3dUPGMD0qJ7hjwDWLvJ3PKqVnOXMyRxJLN5rDCA4AHeqN1Ick+9SvI23lv1qhdyMFxitacHe7MKtXmQyS429KrtI7nk4HpTfr1qeOBm5Irqskcd2yEJxmopFxWkYtq5xVG4wT0pxeomtCjKM1WbirUlVJa7YHLMaXzUbU6mtW9jHqNNNpxptM0CiiimA/NNY88Up+7xTaQBRRRTAsf404U0dPxp4rMhAaaacaTFBQi8D8aAKAKcBQJCgUtFFSMKcopo5NSikNDGU5pVXjmnYoFK5dhcVIv3QBQq9M1N5WAKzlJFJDAhNTInyinBMLSqp6AVg5XNVERU64qeOL86FAGB+dWV2hcL+NZNmiRH5fzcU7y8DNTIAck9BSfffjp0qblWIkTdVqOPC0qx+lTKvr2qJSLUSJ02jnv2p8aALg8GnFSrAtT2A+U1m5aF2JkjA6c471HOjED0B5qwjKtsGkZQCeFA5oYSSRkqm1F5yfSsb6mltCgT8uKtQ3GxCSBnPX0FNaMJ8zHk81ECdx9DVuzJ2JlYuNzEknuakjYI3Iz2psToqfMhb05p2N3IGPaoKJEkCwhRhpCfwH41FJNBISqnLjsBSoQGw3Ap5deVTp70ik1axB0qcn8qSQr5SgDnPJpgJJA7Uydh9R+QZJSFqwkZIJPQUKn7wc8MOaVyuVsggfbLscfePJJ6f4VA6XcspMTRqpbDMSSQvfFSGWGWeSKNuYcZ9qn8xYrMt1bOOTRqbQ54S5B3lqVG7BwO3eosFsdgeSKlUiWPPTIpXUBgueg70kZSG+T5g+X5VHGT3NSGSOBDj+Ecmo7h9kaJ82SM8cY96jeJTbqiKOvJ70eprGMVZshfUkjV1G4v1AA6ZqWP8AeRAuCOO9L5McZ3Y57mhmyPQdhT0Y51E9IoVY0L7sZKjAFMmkdUKDjPWmNKI+/NNV/m3PyfpTsc7k2M8jAyzc9ajmi2ruVs1JLICeOv8AKoXYbeefWtI3MnYqyTso+6fr1qoVlmJchsD17VeZizc9Kkjt/NjCkkJ6Cui6Wpk02U4LfPJ5q9HHgDNWEt1jWmSMqAk8VDqXdkUoWIptoTkVjXBG/irN1eg8Lz9KosS3J4ranFmVSS2IX6Gqkoq2/wB01Wk5rupnJMr009aceDTT1roMVuNzim9acabTLCiiimA7otC02l3YGAKQAWyelFJ9aKALC/dH1p4po+6PrTh0qGSgoxS0CkMMUtFFIAoooFAD0HenDk0dqkjUdWNQ2aJAopQtPCZOFoKFRnsKz5kXYdEm7nFWAPnGaW2TevPFSqgaQtkgDgCueUrs1jHQeFyuQPqaRECryKmMbKvtxmnMgBVvXPFZ3NbCQxbug4zU0lqFXcvB9qEbavy8nH5U/JZee1Ztu+haSKYJJw5OPSrcQG0Go3hB57+1PViq42/nTbutBLctovy+lD7QBg8ntUeFI+Qk46gU9SF+YY9MVzM1DbubDcfWnbAswDHj19aQuX+RRxmhkZeGVs/ypDFZFfDcexxSne8flu7bM/dzT4rd5FDc47AVKbY7TyAaRSTIHgYqZT0AxUTKyMAwx3qRvMRT83t0BxTFzLMzsevTA6YFNEsenSnhiKD7DFKozSGDMD9afEVUHIyaa0TKu4jj1oTG4jPFA+o5hlScU+FcNz171GT9aliUnkUh9StqV1JHHJHFGWcxkgZxz6VT0pbs3KyzNhAvT1OK03hWSUtuyelNtoRFCAMEdsDFPm92x2Ot+75EMito42fy15dtzE9zU4UHORxSl0jk2KrHHV8cCncYGTzUnPyyeomQigDp0AoRAZGklOe+KAfkYrgkjAqNVJt2W4IkPcLwDSGkupVlL6hKrx5SM9OeoqwjooIQ5CnBNVxOFmaIJtK4IA6AUPIEjYD+I8DFVq3Y1quy1JJZFLjmo5GyCI+3U5qDknPemhXdtqHIHU4wK0UTicg3IpOeT60ed6LTvIx1bcfalK7RV+6RqQsxbgD/AOvTRFk5lGB2qxHGSS35VYjiUqzSyBFUd+9NyUQ5Wym3lj5VIPsKVLjyscYHY0spXcRGPlB6jvUDo0mFXv6017y1E9GPuL7y1JPJ7VmsLm9bvg+lWZLTZIAzbjW1BDDa2yPIwJYZCineNNXQWlN2MW3037OjSSx5wOM1VmjJbpit+6nEq7VXA7VkXOI+veqp1HJ3ZM4KKsjInHtVV6uTENn8apt1r0KWxw1CBvvUw9amKZ5qI11Iw2Yw02nkUymWFFFFMAooooAKKKKALIp9AGKWshCYpaKDxSAKUKSM9qVF3HmpGGDj0pXKSuQ1Iid+tOUbmxVgDbEQneplKxSiRrHmlxj2pygipVQnBPSsXKxokEWB9alCB1IPQ0iwk8jj+tOUkfLgmsW7s0SFRMLjOOecVZijGPT2qEfeGfWrqkGPPrWbZpFEpRY0DP37ZqFR5hyeB29qjdgGyfmbHr0qRHwvTGamzLLCIAKdinLgr7U5Yt+SOMVi5a6miRGBkipriJUjGe/PFQKwOcHJz1FDRhjtAOe5pPcBicnvg9cVOGx8q8cUeWQoxgAVLDCDwAzMfQUSaYJMYrFWBHWp4pXX5upOcZFPa3EcL/dY4JJHbFTL+7iXOct0wOlYtmsYu5Cs2M7y34UqvJKhC8Etk4GcCnu0QHz4HqxprTIm0K7AN0UkUjRKUSCdmDbWHTpkYNNhXc2BTDvxmVtzE9h0qxD8oBHbmq6GT+IURFumBjrmpo4wp6bjjP40zapTkr+VI7uVCR4A/iPr9KRcUr6hiWeQGR8KOCB2pGGJPkHBHHFSD5UwoyajAkwBLjdjsMZpIcrPUTvUruUg4OB7DJNMRQXAPFSlwSQi5weuOB2oYo6O5Hbo5yCu0Z4HXAqG/vvs5EUPzSE8DNWXcpAxUZY1TggD4mc7nbndimrI6adl7zEvJZZdPBPysBuKis9H1C6jTfIIFBw7/wCz7e9bJUFcHp3qtJBI77QFWMcYHU1UZ2VjaFZKNiO2vN22G1XCDgs3J/xrSX7oDcnHNRQW6p/qxj3xTyqmTbu+fvg1L1OWcuZ3iirM5WU+Wo3Y5YjpSQwGVhv6AfeJxVoQJ2JwevPWnEgFeMDPSi9tjFpt6kEiRQx/KMn1qGONnjKxgk9WPpUty6n5R646VJb/APHq6x53MMk9hTu7CUU5WIxaMqbj6ZqB8Zo8/wAxSZXLPwoRTwPrS7CRk09QnHldhIwzMoFXHVUjQCPecncSahgQs3yRlto5PQZpz2jty7rHjpz0pMI37FKVzuYsBuz0HQVAzEcjrU80JSYrkn3NRThVwBya3jaxjK9xg3zPk/nV6O3kdN3LcYyaW1teAzAZ9DV0lI94U7iq8DPFRUktkXCLepnsEVfmNZl3cQmNwwLNnC7avXr+WG81Q5I4CjvWLPAw+Yn8K0pRvqzKo7aFCQncfSoX+9Us4xTI7dn7YHv3r1YWSuefLexHUUg5rR+y7E3NwPfvVVo93Iq4zTehLi0imRTSAOlWDHhiB+JphhO7JGa1TIRDRUjRMF3EcVHVFBRRRQAUUUUAXscUlHJoxisRACR0pyLubJ5ptWYwPKXik3YqOpGBt6CnlSwzTiM1IigqM1m5dTRIiRcHJqwoB+lNIBI4wKcoJ6ccdqylK5SViQYHQU5PvjPrTQMcck+9SIh61iaolTLMMD60YzIB04xT0JVeOKeqdCT9agsgcAYxThMwXHXA4pxALHHrUn2f5c4+tAai28Qf73U8mrJhGzGPxqJFMJznj0q3GPPOM4AHr1rKcmjSKGK0kagIoIHqKSN1KMJjgHk4qwZEUEHjHGPWq4O1SdoLHpntWd0+hewkPzA7eORjNSIrFiVJz6im5ATplickmnKx3ccDoAKbBDyFClcZbsd1TJceXISckYGcd/aoMcdKfEcZ4z7+lZFDnd5IHjcf6zIPzY2g1J5pyMbhjqcjn2poGaMVJfMxAqthpQGbrk9jUmQ47Y9qAveloHdsZs9KUZqRW29s00qT83T6UxWDHrS44zSDkCngBY/MkJ25wAOpNIaVxGmaO3cxrucD5R6mkRSEDfxHk0NjPAxSUDvpYVfv9cVKBwcdKhqQAsvC8e5oYkOc7YxgDJ7ntUUSFV+bk9MkcmpSOeaAM1Jd9LAFz0FIRmlycEDvSKCByc0CF5EbYO3jGagt7URNJLsyznueoqyOOpAwM/SqU88yrOE3SFMkEcDJz/KmawTatctKGA+fGfaopnHQdQahRbuQCWWQRqE5Qdzz3NSrCzH5z70EVLLYbDF50uZAQijJ560r3HlgrGPlIqSSNU4V2BxzVPG9+B+tVuY7DbaBUVi2FGSx96kAeZsRjipxahkwWAGMnNRzTYjEFsxxnLsO/tQGr1YqNIF8pTwOWA71Wn3sAisUGc/KTk/jVn7KyQF5ZBECe/U0xUIkXyl3+mR1o0uF5JFUxyFgp7DP/wBc1GqbplA7mrPz+ZIZT87HntUDsY5tycHHB9K3i+hlJFvMdv1kBc9s5xUUl080gSNVHHzOe1VAAvJOfcnk0JJ+8+U47Uez6sfP2FuB/pCljnJ5JqtdLl8D0pL+6QkeWw2joc9aqJd4iIbn3JraEXYxlJXsVliNxfBApKqeatMVSYlvujsKZbSBXZjwSexqvK8lxNtjJYD0FdGraiYaJXJZrhZeM7fTJ6Cqf0q/DpuYzJM2xR1Jqm+wsfKyV7E960p8qdkTK71Y3ZhfbPJNOjVN37w7Vo+dsL/D9Kr3PmNuSIEDHX2rXV6Gei1IbmYSybY+FU81DQF2jA4oroSsrEBRRRTAKKKKANEAKOKCAaUDNKVIGT0rnuWNwMY7VMnzLx2pgQkA+tSIAjcniok9BpBUqg7RimEHkgYHrVmMpsyR9M1jJ6GiWpDipVXHA5NMXMzllGB2qwh2rluBms2y0hqoc5apg+FxyfpTDJvwBjjtUsS5BNQWiWOMnlsdOAaJCFHy4/ChyVUY+nNOiXzWG8gIg6Y6mpLEjiXy8nknoPSrLALF1Bz2qPbvlAHJ/QU8jaR35zUvUpaEzRjy9vGeMn3pkcxhVggBJ4BPagEvkkcZpSF29Oay8mV6CAkncxyTS0gGKeq5HNGiGKg+XkcZpQoLcD6ZpQTt2juafsAxj8TWbY7Cqpxj3pfLKt7Gge1PMhwAB39akoEwM+valYcZNI7DcCvpzTtwZRySfSgoQyfKAaAc/SlxnGaUAAnP6UANzmnmXZFiNAzE85NNPJ4qQoi8MTnGTikxq5EM9/0pwIyNwzjpSkKHx296QkMw2g9O9ACs4I/ujr0pFUt0p2zbyw49qXzQkf7vG7tkUDWrFIEKnzCN3YetDAlgqthBnIA6n61CiB5fMkZ3PTn/AAqUnpng+1Ip2WwvfFJJuIVUOAGy35f/AKqcAM/40ECgSuLwqZ65pDSOzBAEGTnPJ7VH+9EjO7ZBxgAcCkPSxL/CcfiaZGgVdoGPUnvSKwA55p0XLEn607C5tLA+GZFPIznp+tDEyrtjbaNwJb1AOcCmlsynJwMYyKe0ixx5A9BjHagOokgypPb1qrAAXy3TNOklebKRKdo6mnpHjAHpTWiIerJjs8v7uQegqG4u49MsWmKnex4wMn0A9qmCdB1NJLapPsWbawzwCM0uprBpNO1zOtpLvVJY2OEgX5hg53H3q7LLDbEoGwxGDIxxjPpUWpapHp0PlQjdIx2oo/iNZsNuz7Z7lf3h5BPNXbS7N5Q5Y89T5FltqudhyPX1qpcuNw55qWeTjOeazZZGeTjFdFOJ5c5ErTdhzVbzm3gYzzTpImQZU81VkU7hlq6IxuYykxHAXlgMn0puxiM7D7Vdhs0X5y6t7k0pXzJDjhQOTV8yWxHK2UTA4UNI20HsDTrYtBJmBcr0GeBV6S2V7beP4eCTVvTrJryDbziPjAHXNJ1Va7BU3fQpy+cYt0q72b+Ef4VQWN3lCMAD6eldK+lPDEzD5McE56VieUEuhHHn2J7+9TTqLWxdSD0uXrfSjEnmTbSO3fNUZ7feXcYAzwKuG4ukhLAK4HADVSmvo1gb7QNr+g70oynzXG1C1jDul2TYqGnPKZ5GfbtBPApCMV6sb21OJ7iUUUVQgooooA1kGKCu5hnpTqcq55PSuNs1sKq9z+FMJyxJqYEZJNRMCuM8k9fQVmndlWJg5ZQFGfrUZj5w5zzyBT4jhfrQB8wLcbjmp2ZW6FhMpj2IAoPc05V2kgqWc/xE9KnUAkbB9KXKqGL56Y4Gazbuy0hFG5lz6VOUCYZT2qvExwpPX+VTnnipZSADByeo6VKm4xkYyD6mmxrxuNTJ0P8AKpZaFg+Uk4qfr2qOPAqSspblocRhc/jQiF2wKcPmAAHPpinKGRgVOGY8YrPmLFaFV+XOWHX2pExG+Su7HanqhTIOc55zThkn1qLsqxAWLHLAA+1SqBsBpJUCY55PakRScZJA7UhdSwhXjjPFMAy/YAHpQMYJLY/rQgzznFBQ8Lxk0jJ36UfxHNLQMTkY3GnEjaMde9JnmkHPsKAF3AUpYnLE/pSYAHA/WnLHvPHQetIeowDJyalTYql5GwAM4HJ/KlEXqaQExkqBk98GgEu4iOZWLuDEg+6Gxk+/FBnhG3HOSQDj0NVpLaSUuXAUN/dPJHamCx2yITIcAHJ7fgKNDo/dMulsnrnik69Bj8aAQFGxTg9zTlUDkmkYPcUYC/MfwpOvbH1oLbmPGFxxR1oGLUbliQCeB2FSkhFyeSTgVCeW9zQhPYApIyBxQMgEg4pznYm3qQenao1yc4JH0piHbTt3Hp61FMzMhCZ9yBxUgUsRuOdvRe1PlLGPfKepC/5FAbhbRBbceYwCk5PvToyjguvQCoLuSONYolGc8k+lSxqqwAKOKTubeztFEu7YuR2rH1C7khV5W2hYxuGDzVm71FIYyqjLA8jNYseq/br5raKISNHzIc8J6DPrW8Kckuax6NGhOEedorxtd3EiXLQIHdmx5hztHrWm00iwqsrAn/ZGKsTiGOAGPbxxxzzVA5mbHQVUb1Hdnm4rEyqOzIpZN5xmp4YGhXzZo8J78VCyhWGzjFS3FxPLEiuxMajgH1rZ36HnLzIbqUEFsAD09KzmKySfJk+pNWbt1ZVRDnPU46ULH8oHyjHPWtI2irmctXYltogGI2qWI4LDOK04dNC27S3GFAXqT1zVPT7SW4nAj5I65rXXT4Bve92zGMZAY5XPasKk7dTanC/QxjPGspQ/PEjZGB3qzpt2yGRFyTIOi/49qZfeTC42srkclAMAZ7VDYmN4ZDLhMEE4p6ShcNYzsbVxHdSEQ2wRVC7slgTn1rJNmBqLRSS/NGPnYfwnGf61NLqCIo8pChUcOWOW/AVnQyzeYylsPcHLyP6dP5cVnTjJXNKs1K1xtxMViEQbjPBqk8DfZJLlgDjoWP8AKrF4MP1JHYmoZJ3FvsULk55btXbBNK6OOVm7MxFyFGTk9zSk5NOC8HJzSGvSOUSiiimAUUUUAbFThfyFATIBxgZyKc3XJ4FebKVzpSAAYHFQynfcbQchf5mpGkzGu0Hk8Z9Kgi4I9c/nRFdQZYRRknHAqTygy5J57Ug4xxipidxz681m2WkMgYrgMe1ErDBx60jj5s0mw5Pfnr60hj0Py8VOiORk81HHgdevarUabhhunf6UmUkIF2j1qVCu2nN1GBjinKpYdgP51m2aJCICTxUoGRShSUGBgChQM89u1ZtlJWJDguApPvU8agkN/CDgVG0eVLggegpwjZNjNhvQZ6CsDREhwXY46mlIUcDpjtUauWPIx7U4nAoKI7g8KO+aEHygDk0j/P2/OiIkDC9QcZFBPUcQQcHtSdaeU9WJOMnNIVwKBh0bJNOyT90UixswyBSlyibcEGgAQZfBPenuu0/09KaCNox1PWjqeaQwqUHEeAGx3INNKlY8levSnAsDjGT60MpaDCw27RvGDxklcmmw7l3CTb/wGnscY+bLUIVHJx7ZpFOT2H+9IwBOB+JppbqQRj2pN+MdT9TQTcUg5HoO9Dtnp0zTCckmnhD3piFU/L+NKPpRsJHFR7zu6/hSAe7M+FUY9aFVVG9zkYyB60jSnbx8ox0HrQmG3M44UZyfagZGzu5YHAyeAB0FOxtQBRlm756ULG7jf07A04xiJd8xAB7k8n2phrJ6IURs21SVwT0Hb60siqwRR03ZPPTv/SqupTmG32R4XaP1rBu9WnmVTbRtlsBmJxx3rWFJzVz0KODclzNmxq91GiKIwHf+6DUZ1DydORncbgcMQenFVNMhjdCCp355z3q3PYs8LxKgKkdu5zReKdn0NVKnCSi1sc9capblJLlpvkHLEA8/T1qlpkdxeqZiz2lvJlihUAuPUmtzUdHjES+ZIsS5AXJxn/OKm0XR76FCZpNyfdQYGOvauqdePJaJ1VsZGNP3dxSALWOKIYUDPXqadCVigkdmwcYHvWqmniOJwDGXY/eJ6Duaz7m0EDxu+GQnI96whJW5T5qpGV+ZoqpE78gHHc0l9dwLCFCMpX5VVRncfU+lXJtZS2UiNF2AYVcZNY25p8zygZbog7VrG8nqjGVorQiUFmyeP6VqWNuszopTIPXnk1Xihc4wuT3rXtI2WRRJhM9WHaqnKyIhHUuCK1sFcw5LldowOAfrUD4eAMrDaeoPOferM4zFEkXCKckkYqCK4EtxJEACEOMZFcN29T1PZr2ehnS26k8RgknOTWfdRG3YYblid20cda3TFlmycAdKxdQGJcDJ65J711U5X0PPqRsrkauZZOWCqOxpjz7ZmkU7jjALCmwhSx3kKvcmorq7VVIhjC46H1roUdbIwvpcI8SuS/IX071LMEEBwi5UZ571VhlZYmKZB7vnn8KhudQZofK4OB6f1rXkleyI5o2uyk33m4xzTD15OacM9zkmg9DXcjmGUUUVQwooooA6LdtGf7o/KmP90D35pnPHJ9aUL0A5PpXl2Oq4DLkfkKSJfnB7DpS4I68Uq5B+UVRJL7mpkIZWY9hUSj5gCMmpo0OCT3OayZqhTEdp3dhnFGwhjkdDUyAkknoe9AQvLtHepuVYRYd/PfqKlMckQXLcMeg704Eo2MdPapMGRiWOeMAegqWy0ggTzCS3r2qy0WxegAx61BENhx2qwrBny/CkZxWE27mkSSFQYjyce1QsuJCcYB6VNDKQrYHU9u1NdQzAg/h6VncvoB3nHQ+1PDN1IANSQ7BgE89z6UyTbuyvAzSHYRSRnHWk69aKBQIQinQ/L17Gkp8aM7YXIB6kDpQMJHBOI/xJoUgLz1p0saJwjZx15qKkDui0JAIhg4qGZwSAOT3qOnIuTk9KLDvdWBc5qVW2nOM1KqqiAlTntUJOTuB70FcrSuSuu355mA6ACiR1jXozFjgKOpqFwrkO43sv3Qegp+CUHOf60irrca3XgAUEBVGTyewpMY9qXJxyQP50zMRiM/KOO1B9qT8KUgjHHHY4pgIKerHqefxoVTuHyE+2Kk43OXYKqjqKQ0m9hC7MPkXC92z0ppUHpjr+VMeYSxERkBenDdDUSg7QCc4pFytaz3JTINoHH4c0OrGMg8K3BB70KNnzOBgdj3pXy6+ZJ3OFUDgCmQDZZAPMKKvQDvTjEsgDE5ZPun3pqkFhnpmlVst8x2qeo68UFRk00c7qUN5dSSRpcA/3mTt/hSWNkI2FuAAnYk5Yn1/WtW/SUq/kJsiUZAUcsfwqS1gIYSSqob+RrZ1W42PUliG6drkkcK2y5RN0jcZ/xqWaXywI1YK7g846cVIGwxkOTgcA96rWxaTmZfmzyfQemawOG+nMRxaXEZzLPuuHzkeYcgH2FXJiEkBkdsgYCKeBTyWRGOBu3djworl9c1G4gnEduWMkx7nhfetadN1JHThqLrSu2T3N7dXOoeSALazhJMkpIy5xwoAq5dRMLVXBZh0G4c4rmVe7t7qOVYzMwBIkc4VWP8X15xXRvJN9iDTSsxYcIOlaVIqMlYePgorR6GTMilgiJukY9fQVtQ6KfKBONwXkHjFZMTFb3e8eTngVuia4uoXRwwDnnbkcelXUlJJWPEpxi5e8La2/lTbTHvyOMVM1ysVxiRUUZAQClijeJNiqenORzVW/sBcgZXCqN3ynBJ9K5r8z949DDxp81pDHvzLdTu7ZhjXaMfxMOtLZDdC0rxrGZG+Uetc9CubyeKMqGQ8BzuxxW1ZQ3CW4lvJhLLjCheij2rSrBR0R24uEKcbI0pIUjizIe2cDrXMXlwJ5mLDaqjCrirN5LL5juXJyMYLHoKy8ZODWtGm07s8KrNWsiNnIBzxUDD5csDjsasSMglGDgLySTio55DcyBI12xjuO9d8fI4pFRy38NMWIyHNaJtioyVxT44AyEkqqgcknGBWvtYpGfI2zIZcMQKQ8danuGQzN5QwueOc1AeOa2i7q5m9HYjooPXmirKFopQRiigZvBf3ee56Uqpt/AHNL6UteVc6rDWAIOeTjj2psYJOegHWpdp2g/pTQoLUXCxJGPTqeKsLgR4wSeaZCAjev1q4vlNHgjBPXFZt2NIoaijIHUDr70sPExbt0FMAPJzwTgfhU0AyD6VLLRKEVss3YcU+NfMbgcU1mxE36VJGMKufvHrWDbsaISXaOg5z2pCGGM5xUrQkLnsaG52r6VCkVYBExHBwD70BXQHbgZGM+1SniEKD1PNIzFunAqR2GJIEjOeWJ60R/Pz05pCgCknihXKrjHHrQA88EgUUwPk4AxUhI2gAfWgB2z5fc08ZTA6Gm78+9KJNo4GSe5oKEY725Puam2KEGRgnpk1CpC/f6n3ppJZuvA6Ugv3FbG3NS26jaWfoOajYfLz0pm5iuBjB9RQCsnqRy3b3l35Vqu1P45D2HTAq0kccce1RgLwKZGuwYj4z1wKl2YU5OSetDNZT5iI81IjgLzz6CmHg4NHsKDIXJc8c/hTtmCM9+1ImM/N0p7HcCwxyMDPb6UDG52Nnj6Zpu/dIC4GBxgUYy2Ac+9IRtODQA5nznauz0waagypXCndwd1BNNGR0yD7UBcFhCAqg4HvTgg7nAA5oAwOf1pyozdBQG5HgdWJPpgdaRgc81MUK55HHpQkZZsnigVgRcY3dMd6VvKU/MSBt3FuABTl+ViV4/Wsm/iluboLu2Rq3zAdxjn+dC1Z0UqcZfEakBEsIdOUYZHY0FegGMVCrHyFUZQYwBnFSqRHD7KOp5qQ5bbCkHnnGT2pY1CgIgx2ApqSbgOOT0FSgbc5xnFBDTvYhnddhjjGfVs965bUIoxfIFy8zDuegro55AyMS4257HgViNAs+rRrEiksoOR6ZrppPlTZ6uG9yLZdtY4SqowBwOT6nFOuZfl4UnFLBc6dZ3As7fbNMDhgDk/U1YvVYwl5CsUZ5Cjqaz2lqeZilLm1MqzVmvcKAWbgk10DzrbgwWwLyR/ex249a5yHImyPlDHqa3o4zJbtErAA8syHrWlboc2HcVLUo/2sFYqmWy/wAxHPPpVma/QKiDl34Cjmo5rLyoRHAE3H7ozWI/m2twsEQaadsmSX+FR6D/AApRjGWp7kIU5rm2LyR2kVyyH55sFjj3NXfM2w4WIAdu9ZFvFJZwm4ucm5kLNtx2zgfqQK0ZJswIWHzYHtSkk5aHJi2krxKd2wYMGXaaypGw3H4VcvLkliu0DjrnrVOPy2mzKQqDk+9dtNWR4VR3ZWYHJZhnPrU8TiJBIUz6egptxOtxKRb25SMcDJ5PvVZ3JULjp3rpV5ROd+6zSkmWVPk/h61UklVo8KDz+tVdz4wHIHpSySMqKAe3pQqVmDqXIpI2RvmwCe1NZCenSk5zk8n1NTRguQBXVqkYbsqlWyeDTauXs0MSm3twskxHzvnhKp0RlzK5drBRRRViOkVc8DpUqJxx+JqJBlx35qePLggHaB1Y15DO1DJFHlsWbgfqfSmxgYGSB6UtwwCrGuc9SMdqZGPnFAdSwuDwOxzTsbjgc0kaErkd6swwkfOSMjtUt2KSEe2lVfb680JuQ7WGM81eUGVsfdGOTUN4m3YAOTzn1HpWSnd2Zry9UMHzNtU8Z9auxx/MG+9VGAfOAFySaurK6tkcY7CoqFRLBOF/eYyfTtUB+Y8UpZ5Awwck80FSiA5AzxisTQOpwOcU4q4ALLgdqSFfm6ZNWWJkGwDA9zwKAWpVOWAB6U4rt70FNr7VO73oCbpNoOcd6AECDr3Pb0qykKhcsOcVDyjMQOM7c+9PMxbAFIat1Fbg4HSo2GTUqpkZJpMA55AxQFhgAx/OnYCrx19KSniMlN3Qe9AEZHUdM0oXbjHPH5U5VBfnkZ/OpdypwuPQUXKUWyDdjuR9BSh9qkcjPrT5QM5YjJ6DNRoo3Zb5QBnmgTTQ3PpT1+bAFNfG7g9qUNtxigQ9nAG0Cm7iM/TAJ7UBTnPWkJOOTyTQMfEhBGBxTZG3S4xjjOc5pQ5H1A4BFNyRGQCcnqfWgNLEgwzncxZgAAvQD2o3RwoTJJ/DkjFLF+7UuFyR9361mSwXIkBZ/My3zk/KAM8CjQ2pRjL4maqOGOW+XPOD24rOvdYCXKW1ovmyu2Ofur6knt0qUwNNMJGkJXBBweKZDpttDIXVMseMn+n5ULlRtF04X0uyzE4it2mkbd345yfQU4Tj7KJXBHUkf0rPvEKy5nvcbTnYBnAz6D6dfrUs17HbW67QuMZ5PJyeKfI3sV7Fu1kWROrSsIgx2jJbtmkkJIyE5qsZ1aNcAhW+9g49+fypn2lppgsQHlKfmbrkj/P50crH7JrUsou58lfqafMNybScKRz9KcXVV57jP0FZ11qO7MKRN8zbSRzxjtSUWxRpylqaMQAYEHjHFIwLMR0BqO2zhnfOf7p/hHpT57gRRuwXJxStd2M1FuVkQyQKUI25z0FY+oWt2mLbSlJmuWCyTMfur3AHpWql6s0eQhByBzUd7dG0t3ePAdhy7HpWtPmUrHXR51KyK1pHZaSpht2E90OGZv8APSr89v5se6VzJKB/q0H8649LyUXBlijcs/8Ay0bjP0Fa+m3d5dKV+aHLndxy2O+a2q0eT3ky8XhYqPNclEcrSJF+S1r20bxEeah6cCs6KU2915nAYd8ZxWpaySS7mYtICeA2BxUVJOyPCpxTe5R1pHVQ0LeZc4ASIHG0E43H0/8ArVR03T2to4xdsvnKMswbAJ7nnrW7ujkdgrDeOpPPI/wqs9mJZZHE4k7MWAA+maz55cvKeo6040+VobNJEI8EqxPUjvWdezPcSErwAO1XBZeYewAPYVBeaaIIz5kiK20EqTyPwrSCjF7nlTlKRj+ZGGPmEBUBJ75pILZ7pwoUnd0HrTUi81m56HuOvNaENpMhLfaPLVR9/qBXc3yrQ40uZla6WO2j8nafNXG4g8Lxn8TVBUbGSD0zUsoVpj+9MoB++w5NBzg5J56jPNXC6V2TK17IpSNjOKbFgzKzjIBGaknaPACNk9+OlRKyRnLnOO1dcdUc0ty3Miz48kYA7YpjA2kDuCucHAY4qD7ftX5QcntVaWRp2zJ930qFGW3Qu6vcaqBBgdckk+p7mlpQcDPU0lbkhRRRTA6MZzhfpShjGxKgZ7Z5xSDJ4Hepo4wD64715B2DY4t2S/LHqTUyw7T04Pr3qRUPB2/L1p/epbLSBUCYyM+1WlYlOgHsO1RouSB0OOpqyuF6c4NZTkaxQseARUdwweVUA3HGevSrEnlxrumIBPQAEn8hTILdpcyAAZ4G70zWCetzS3QrxDMh9zjir23DBRjjjA9ajdCDxgbaF/dbXxz1FEpcwJWJGBVzknNIF8x+wpm9pH3H0qQM20KvSpKFicRqSvU4x/jUvmqUJOTziomV+GYHBHU04RAqGzwe386Q1camCxI/CmZ+bnnnoamkZYY9o+8RUAGBTEySeYvIyr9xRgH+oqWGMLGXcVWqyscjjbKCqAZ64pFXuxxkBO1Bk+goVFVN0nJz0B4FMa4RF2QqzDOM460ySWSVQsSFDu5LDtzzSNlDuPLAqx+XJbgDt7UkpkYIFX5Qp/D3/nSKnlRsWG4np9fWnThgibWCgfeyM5oJtZseSFXCrk4HU1DLGWkWSJsSYweTj8qmIJlyc9OB2ApqsI2OevbigSbi9CFYPKk8yRzJIOfmPT8Kczlm4z7se9K7jlVJJPUmnImW+bJAGcCn6kyk2xIojIfYUrRHdhOaklYJFt2MQ2Aee1UhfRvgjI3tsUf1o1eprGjJx5i0gd0HzELg9Mc/jTXKg4Vcn68CpGZIbcMW+VQMkf4VEskjr5mFjXHAPU0iOR8tyVYwyL0BbJpjhVIC9e9KMR2u52xngY6t/nNQwBxGNwwRzwOlAcq5bk2z58EEDNOMaugD/dByB705QSfn6emar3N3sUCKMyOeAucAfjRuVCDbJQByEA4NRiZS+1WDEdcVn373Ag2RnDY+Z8YGf89qyLS4kslkaQEP9wMzZAGff8TW8KDnG6Z6VPCc8Lp6mvqFp5sJSL5SxySDisS+uHh8uLdvAYAkYI/z7VrQavA9ukr8I5+Tvkdj+NVr2zN+yyW77cAKeegzk49+1bU26btPY6KLlS0qLQzxqkzLKsUb+WynMjcd8cd+ma17GImxt4x8iY3SHPTnOP1rOmtrhr6CK0Cq7AiSUfwd8DI+vNbEgeC1SO2UO2MF3NFSSbVgrSjJpRKV9eu0xSJmEa4Ax346VixT3D306QSMZGACKDwny9Se5J6D+dWp7N8PPqEokkJPlrEpCr9eeT71J4esIt/2iOdniU723DnJraTjGnodE3GNK0ToZjLBYhYUy7Y71JtMuARnjmqN3qMKSAmQLHGMux7Cpzcq9nLImQoBwSOtcPs5K1zzfYyVk0OluY4UPklSQSCR61jXuosWyzIFUZbcBUEd0sFwyMMxNyT/ALRqhewm6uNhK7M5VW/nXdToqDfMenSoRp3uib+0ovt0auBIX7AdBgnP6V0llab4t9vCUYjktWTpejRi6NwVxlcEnsK19R1mC0tDHCegxmuer+8naCOHExeIly01oVzCyXGyTrn0rWup/siBUG1dgBbHf1rLFwbiGMkj5eRnqav3RaewCqfmYfMR2Gaybva55dGCp1+WRzt1f2yNJGLiVISczy9Cw64Ddh/9erul6lo8kXmxFFTJSNA24kA44Gf5Vl6vPHaxgPASjEBIsAmU+/4n9Ku6ZcRxmD7TDDFIq77hlUAKeyD1+tdNSneCaR7dajzU04r8Te+1OVIjURKoHC8t9M9qytXVDGZBiJm4XHpVtr61njiVcvLIv8I4B64/KsjVYmjdI5JcNjIQE9P8iualH3j57ENxVmiGwCqeWIJP3RWokZmXY7si5+6ves/T4GbLgDjjJ71eUsW2htueM+lddTV6HFT2My4t0F35UB3N0OOcGq9xancQr7scZxXU21vb26gorBtu5mA5NNlQPCxjVYXYcHPIFQsRytIp0b6nHXFtsjDcnjrWeyk8mtq+h2THEmTjk81kPwxBNenRk5I4KkeVkVFK1JXQSGM9KKf0WmUAOHSijbRQM6WNeM45PSp1G3r61EDyM9M81MrbkIA6nivHO1EiNuOAD9BTyvzhV/Soo22E8ZPQVbgG1gCAOKiWhotRYkwB3Y1Oi8gD8TUSnJyvSrUWApJ7dvWuebZrFDLpAvP6nvT45vLQZ9+1JPI80qYTbjnnvSxR5kLyZIJzz3qOhXXQR5fM27k2jrnHWm5Mh2oOPpUshDZCCn2qAY/vdz6Uh7sakOOBnJ68VKU8rDBuhwAKdIQoO1csffpSH5iFTk459qVyuWxFMxbap4UdvamglugA5z0/SpGj3SIpOc5zimyfIflGB0FAiLGCc9e5qdhiHeVAHYepp0MKqmX5PfPah13tGCDgdBQFiJEZWQsCASOasBPfg+tMcs85BzsXgCnTM+35PypXNIx1sCxnfzz7U3cokIJGfQUyOUrIQx5xUQjDxlnfcpBLM3cUG0Ya6kyTLK25Tlc4APf3qUnqW9c1UgYMo8rciHoSMEj2HarQGFAHNImdkw3FhkAHOPoKMA/e9KUug+XOSegAzTSTwFHJ7noKCN9yJ1CsBnNPiOG+7ye9NbczHcABnCnPJqVVUdEwB/Ef4ven0ItroUtQSe6kCozJHggkd6jt9HjhmSWR2CoOFY5ArU6EYIzmoZLZZJA0jlvbNPmex0qrK1nsUby+E0J8sExhxg/3gKlt0Zvncks5zz2qVrdM4WMBQAKmRShJz9PahsVSaceVDnAQAD72DjvioY4nWMgtvwcF3NSMobBI6dKDlwoHBHt09T9aRjfSw5iNzRjIRRgknGe9Vo0WKIzSbUHOMnpVjYHY/McEbSf61BdMZEEaJhm455wOaDWm9bdDE1KGe/kJW5lWCIAYTA3n8s4HtXOm1XVdYkhuhLIke1VU/d7En65rrNRhdpFjiGVVCSuPvMenf0zTNL0prNBvJLMdzZOcnmuyNflhY9VYpQpWW5mz6Z599EFz5cP3QvCg/wD1hWxbWxgAj3cudwVuwq95QHAIAHUmobq4EMZKsqLjJc96x9pKo7HP7SdZ2GvEjbxhdxXaWHXB6jPas7WJvK2kzhGJGxM9SKsLMfsM7xfKSMjJ5Puaj1DFxayLCQXCncw/h4Oaum+WSb2NaT9nO8tjDe6jns/Nnm/dBuSeAT1wOOeh4FalsY7HS/sysis3zPgYC1Lp2kW1hp8T3W0GIZTzBnYSOT9ff3PvXP3Au75mNtCxhlbCiQbS2OTkHoORxjtXTCUaju9kdtOcKju9kUr7U4r6YQQs3ko2GOOG5/XJ498108t6yWqwqgZguGQjFUbXTodPgV4og0oO5SR06/l1NVLM3VyZp5XGXchRjAUVvaNTXsb2jU17DrporaPcgxIx7HvS2VuscBu7qP5iQVUdTn19KZe7hH5MO1rliAoz93Pc/wA6hudVZ/ItNNjEpkDDdIeAAOv44OKuSujSSTWuxuahq/2awLBSy9CIxkk+grJitby9j82R23s+RGONq+n1qG6ivpLiL7Q/kxghcLwAefmx369TXW6NZxwWsbSOJNxKhi2S2Opz+P61y1ZKlFKHU4q9T2MEqfUn07SDbwvJcy8Hnp7dBVvMEVvtjfJfjJ6CsrVNWkkvXggYqqrgHtntUUGnyLCTcz8Ft2S3JPtXG4NL3meW8Oo+/N+8NvNJiWeO4l8+8lUnAO0KpI69u2elYun6OuoXUktyjbJJCAyL6dMH+6Bj8a7DaDbgOAx75/iFV71owY5WkIkQ7mHQdDwBTjWmo8o1jJRi4NkCoumWCIGZWjG0bnB5P8RJ57VlxRtdzl5pcjJ+Ykknn35q99hmvJRNdbli6kn0rUCWSW5faAowFULzVRap6vc8io5VpFMeSlmyxKdq92PWmWo3Nuw3HTaKn8n7TMWXmFT8oB4NXIYTEg4x9BQ52JURq2+1PnbbkbvXNJ9mj8tnuMk4yeaklJO5y2D6+lV2lM8XkRAsTgE1irmrsjEvrXcS8QJA9TXNy5Er57Gus1OMW8Zw5U9wx61yc7Zlc+p7V6+EdzzcQrMioopyjjNd5zitTQM0E0q0gHBeKKC+OAM0UE3OoZc89O/NMVumOlHLcE5pzLhRjrXkHoFqIhn+VcAVJnLYHWq8aLkqCfrmrCIFYbSc+pqGaInjwjDdyB2FSqWcllG0EYqNdq4zz7d6fuOfQelc0jVFuGIK25hliKJm4IAAPrTPMPl/KeTSFSeWOSazNOggxgDHOetWF2oPl5J7DrUSoAMnrjgCpY1Jzx9KGCGyKQRzjPXFCAE7S2FPX3qXC8cZPeoT984GPakU7kwbqVGKjeMMy8kvnkntSl8HCDOB1pIh5UeQN7dvc0D0eg+WQINqqSccKP50kRYJvk600cPjIZz1NLIWOAo/GkXpsCEtI24jJ5wAeBTGuF8xUjRmJPLdAKfGjpu3NnIwM02K2SLn7zHqx6mgfNEYsTHDOB5mcgA/Kv8AiaX7OG/1hMh6nPI/LpVjp2GKZuDYxQHNIjSAKwZj+A/qamzjpTSyhsFue9MeUIuXz7KBQHK2x5Zy3GdoHPpmj5s8tx6Y61GJWd85IQHuOtSq2/6dKBSTQgXGWP3iCF/2aCflRQCOcn/P40rNzx+FAXPJGe9BK0IihBLZJPqe1Ro21/42yfSrJz2xmkAPc5J70F8zsLgnk9PrS4x978qTBJyfyprsQ6jdyTwKCbXFL+i4Gevc0jH5uM8evehgob522sRxg9KANzAZ4piloOB446U0DBz3pxIz8vQUp4U4wTSBXGKmTuIxzxSOyiTbxnBNPc5BAOD71Dscs28ADtz1oNI+ZUvb9Lfc7hvLjGWKjP4fX2rntQ11Lq1l/wBEnVApwXUDJz9c/p2rc1KW2tIgGVd2flXqSa5/WbuWPT1aFcvKAFAAIGe9ehh4rse5hYrR2JrDUJE0iaS4jZSBuwTk9Kv+H/NkSMzQ7FwRhh83vyeufaqGjWU5UebL5jnB2nGM/QV09vCtvnby4Xn0z/kVjWktYo5cVUVnBDbm38/JmKxW6jLMerH/AArKun22qR6SEMsrBQzLnbnqcfTNbUltHNHiQZOAM9ayNPsQNQmlgZgmQDk8Ej/62fzrKMklc56VRKN+qKF7HceYtvE+1YkBnl25PsMe/wDKsye8tYEPn3KqicsOM/8A1q6rULYzQsluxDOeq/zrAn03TtBt5LibbLcZMpeRtxBxx+PFd1GqmlHqerh66klHqY2nQvLdTXawtC2PlRmyRnuQehxWj4atg1q4kiQJHcSKjA+jH/P41Y0m0L2zzzlt7RLkHuck5x+NX9F0+V7eaGZJIUabevIycnJHFFasnFonEV48rQ6+0EavcMsxEdsrKHIznbjJ+uTxTLjWraG1l+yJstLMGKEDq5A5P58fhUviPUpYok0zTyVmuGKqw/hA6tVHUNCRrK1tY15Ckt6FvesqdlZ1DKk4xs6vy8ippkTzzHUtTkYAkmOIH5VAPU+talpqsepahDIs6R24VljiCgl+eWPtxWTq1k6qNNhBeJYwZGBwBjHH4n3q3o9zbaZpH9p3EUaKqqkMaxgNI59O5/8ArVrVipR5luzevFTheOrZ1kgWGMFgQcfLVS4iYZeYEsRkD0FV9NuL2SOS8v1VbhlXahUfIvJH8z1pzylHLSD5+q7j27ZrhimnofNVoqMmrjfNEi7p3Axj5cYJqRd943mbfLiXoGqpKxK+Y7KWYnCqOlSQidoR852A52kVty6XOa/Q0I5lUHA4Qct2pxDOvmhigP3Fz2qCK3V0zJIqqvJ3nFSs0dvBvIDM2AuDnj1rB7mqvYa90yxkMue2cVSS7FtLv5GOhFQ3M7tIdqsPqaqSy5Qhjx71vCnpqZSmGpziaNS5LNztUDpXMzDE7L6Y/lW1PcL9m2hRuc43eg71hvzK565PWvSwseXQ4q0uZ3Epc/LSUV2mAU5elNp69KQC0VagERj+dSTn1oqeYRvbfmqTblRgfWljGWz2FWY0G4d+K8hux6KRCsePXnqasIq9AAMc81KVU8UixgP7YrJzTNFGw5D8pI71NGnHI5NR45HHHarCMF5PJrBu5ohQhHPbtT8qEOclscChcsMZqUBYvc+9SaJdiNUz1qR2AGPTrSAjDMeMc8U1gMlifzpGkVqLkfxc57ULtByQAOwApincTj86eAE5Iye9Ipq+gqrhMtxQCCuV4HvTEbzOWwWHt0pGlGMnkewoEoEgGCO1ISQ2FHHc0isSwUn5m/h9qVslQqdSMk4oFazsKCeTjA7UobLACoWYEY38jj1p6cLwPz6mgbQrDPfj0pD8vAxk+tK7bflQZfsPSot3Ixznso460FJdwYorZPPoACcmlX5sliG7DA6etLsxxtUAdMcn/wCtS7M8dqAbQ4KKcD6dqAMLRkAUGe4YA5JxUZnViQmeOpIIpWZjgAY9eagYKXO0P7tnr9KDSCXUkE6MSATx61JyZBxwBVdU3qEYAFh0znFWJNyxnaOg4GcUA7XsVL27ZAVt4zJJnG3pj8aIDcCFpJwodciMDufWltIZFY+Zgg8575z0q1Im7A6Y54qm+hcqi+FbFJrVpPJYPsK/Mx6k1c+WOMM7AZ4GaWKMCPeeEHJqpqN7HFs3uAA27pnp6ChJvREQhKqy2ynb0470oHAx0qMSq6jJxnsTRubZs6HNIzcXF6iMWa62x48tV+Zvf0peHUqe59e4qRl8sZJC4GTx196z7mQ2EK7BukkfOW6cnNCV2bwjz6D3s4Q53BmYjknkCsO90dNTvBO7DbGNiqo5A+tbsLyXVu3zDcWwfTii3tTETlyy+pArSM3Hbc2hWdNPXUpW9rDpzKsUfJXBPU+o5/z1p+mfantme5ZVeSQyYx9xc/d/IdferckeAMJkseSaEG1SxYLjC4xmpcroJT5o2LT5EQVAMnjPoKQkKvAH0HU05Fbag6nv71DczJFCcnHH8JI/WpSu7HPTjzSSRUW8he4MO4BlOD+WazpoYNUVZIlzHkksf4u1ZZKajrMv2d2NuoKOQfvseTz6DpW/Y2sdtEqxjAUYAzXVNKntuepUjGj8O4zS7drS3WKYjc2SoHZc8VomeO3TLEk44A60yCDEnnPzIwGSe3sKhv76KyQ7yBhN3PfB6Vik5y0OaKdWehnWEEt1qAvbrKEgqsRH3F9M9z0rWk2+YuTlhzgdqp6fK88jzlHRJDuVT2GK0sL95u1KcnzCqSfOYmuTyW1nPK0YWJYiS2eScdqxtH08XMcN3cFyST5CSuWX0zt9un4Vf8SSrcGC3cfI0nKyDKsQM4P+FWdI0y5n1A3FyykKu2LZwoA9B2Fdbly0kjtnU9nQSvqXdKtZLOOQ3T+fPI4xzgZ7n9f5U++aMQNtDSbhncMcn3FTyWzO3+js2c8H29T6Vkzu3mGM5IU4PzdT3/pXPBOTvc+frTbbctyWziWab96Qdo+UYq00pdsRklR3NVIPlUtk7m+UVOHEa4HU4NaTV2YR2LnnvHjztjDAPTGPyqpeT+aycCPgkAGnmONo0d5S0jHG0ISAcVGoXzh5iqoB54rOMVe5bbsVmj3KS3PHc1SulIUgjHpWu4VZD0YeuOKzr6NiuSRz2HauiErsxlHQwrtjFznB6Cs+tS8gLIT3rLPFerSacTgluFFFOUd62JEIpV70tLSAmj+5RQrgKBRUEnURcdauRYDEt2FVP4ifXircKlBzjmvGnsepEcuSaf096ZH2HWn59KwkajxmWTJ9PyqUjoqjJ71DEDuwKl5HAqCkTx5B4OMgjNKw7Dn3pEX5s9hUvQe9SzWJGVzwelLhmOAOKUkAc1HIzFsDgCkaJNj1XavHX86Y2CDuJ6c0wnA9fQUwk7fmzz2FBpGI5GHO0YGPSms6+UWbKqOueOKTOCFXqf0pEV5iGDLs7HHWnZF6LcmjA2khdpYY5GDipHyIwqx7uOnao12oML8x7kmnRyb2xkHucUjFp7ioRsJ4UKPmOMAUocMwVDnjJOOB+NMlDSE4QEA8Bun1qRFKp8xzQJ26DPIBJXA2HsKcIwowvA+tPFBNBN2IMDtSjBpgYknK49Ae9OGTwBzQDQpyeFGeaa8xQhV69+KaVfy9mPvH5iD0FARUOeTxgAUFKwqu79VwPfrTimTnrTSV2hnJA9KQShskEYWgOVvVDwMHJGKY5kJAjX6kjpSq/Tpz79aeSec8CgnVMam5V+Y5b2GKaw3HByfXNKzkqNvGf1p+Ajlc5I60ydSO6UPAIyMhjz82MVmX2mNdNGCQF3ZAA5rWIyeaTZuPWhSa2No1JQ2KiaeI/miKrgYG4Eipbd43KqJN5GQTjr/k1M4UMMsSewNH3WDAe1FyJSbXvFW7kMssKW7tliC3HAAPNLcW8c80YkTcepBPp0/Wp3C/KS2dp4Ao3Luz060ale0IFu1E7QhCNp64qwXUYDjk+1QiBQ0ZPzMCW5PT3p5CrJvJ3N2XPFDCUot6CvEXO4k+2KR1ZI8oOScn3OKkTJ5dh68DikizIN3X0+lIXMxY8mM5681BdxKYTFubc3AAOMe/FToCC3TrQFCAnG5z39KBxk4yujEawSCUxW3ys2SzenPQVdhhCZYFmYkAZPapHVVlYu2WdfwAA5/nT8LCu5zg461cpNnTKo5aMSVsR4UHJPPYAVzusG1B8wIzuGAyc9c9M+ldCu5oeNwBOfm6ms2+0+W4Ql/LbHKg8DPqa1ozUXqb4apGD1HWBn8mL024wO1abIRHgHbxweuPesu1drW3iSQGS4cbjjOEX1rRuS7xQpAQgcjeSMnHesp/Ec1SX7yxS/s9Lq48wxbY4xtiEmCTzkt+NXrh0t1jtojh5eZCoztX0/GpY5E3bUG8R4zj+VU58zoxyFmkJOc9F/8A1Ur3epnGopS99lWYNZwEIxcv1fd1Oc81TiVn3s7ZYkkk981JfKqCONXztHQHOOO9PiijcKZH3AYOwdq6qaSjc8+s3KdrjUlRFQBMtu5J9KezyTS4ClnJ6elOkjiLIq/IpP5U+GOWFfNt87M8Ee1O63Is9i3b2ssZZuRtTrtJ69qSSBYEYzAb842qfunj/Go5ZpLpQXlcYyCoGMfSovNUxFFDEjglhg5rD3mzoago6O4O4c5LduM1Xkw/QZPqae4EBPnLglcgd8UqsnUnHet1oc71KU1irQs0gLDHQVy8i7ZGA4ANddNqaRxMFiZifTGBXLXBD3EjAYGf6V3YWUuZpnLWUUlYr1Iq8UzHzVIvy9a7jlewpQZ5b9KMAdCSfpRnNFIm4UUNhCAxAJGaKBHXD7wq2pAHcnuarIAevap1Hf1rxJHrxJE6UtNBxT/4hWEtzQsQLgZ9RVjGB0xTIlwpz+VOdsKf0rNmqWgq8gYokfb0/Oki468emaJOMDqf5VLNIEZY+WOtLwV5/Q0Me1M/hpGyVwLjsoFISMZP500Hd0zgUbS/OPlBp6F6IWJfNcY+4BnPqaseWuMZIXHAHGKI0EcajpnsBTUkEpbaDjpk96DBtvUXYjJkjKgfpRHwpbGPYU7AIwRmnBcdaCb6DdpY5PT0pxX5eaaz5baqk0pIA5NAWYuQtNDO7HIwB0pevXgUwtkDbkZ5zQNIdtAbIHJ/WmyTiFORmkJWNScgHHLGoGmVxtHzEdMjODjrTNIw6snE2ZAPbt2pWfagLnAJx9TUaQ9CxLY5yakMCOwdgMr0z2oE3G4pJI4Tv1qOSDzF+c7VznA4FPlcqcDBxjjOKhZXm/12No/gU5pDjpqwSRDMwLhiDwOmKslvl/nVQWW2VpMjczZJJzn29qtQrxukOQOnHFPToTUs37o5EKr5j/KO1MTGDsOcnr61SurmS8YxW6vgcM5JVR/jUIuTbukBlRjnLHPar5G0bww7cdNzSyQx+bPGMelKnyg9T+NZ0F7Bub50BZ/XrxmrC3Ub/MsqhVPPPWk4SQSoST2G3RKuGEjbgehBNSW0v2hMM+49TkdKrSajEiuXkQHJC5Pt1p1nK8yrtdTk5+51pyi0tSqlOSh7xfSMbvn5GO1Q/aLdpDGhZmzjgVKgbaS5UkcHH1pfLQKXKqAo6gdOKi5xxUdmhPKzyCMHjOaYyhTgEHPTBpVZCq8Ffl6MOlEZBkJx2wKCZRsHzbfanI2IyB19qcTl9oHSg7QOBlj6UAk0xsKGKL5vvNyfaqs1zIWKRKMEgEtVwjgkk1EsCmXPJI5BIoRrCaV7kRITAPLDjjnBxUzRAruxkgcZ9cUhhzhV4AOT71Js+UbyoJPFIbkr6DCPlxVdw8oy3Ixwo7mrR2KoLMTn0qI3EMRUhcFuAAM01foVHmexQvBL50PlttGd0+4dRtIAH4nNKly0eCmCQOMjIp6Xseo6hKm9Vt4id8px/COf8+1XSLS3iVpQoMhO1eM9eK0VtmZTp1ZzsuhlrJLEOMjd196iM83V92Mdq1DLa3Mu2PZhDgnI61DqdyIoTHGoQBeWIGT7CqUo3tYwnTnF+8zIcrLMgjDe+RWhEclUwAue4qrYf6/cw3dicd6ulSko2ICQxx3raTtoYR11Hpa/aLphCy4XkHFWoojbxOJnVI2HqMn6VUjQrD5nmbW781VuJ9ijB/eMePYEVi1J6I1i4rVk0kkDMW2ydfTAU1WiO5mcNt9GYdP/AK9NEEptwwdgrH7oYjP1qUQ4+XdtAPfvWsVZbmbd3ogeyDHekvmFhyQDWfdhoX27zxxirJdo5DskIxxlTVWbMucAlV6n1rSKa3M5WsZtzNIV25AXvWdy5yPwFa01mZgfLU+4HeqsdufO2kYI7EV6FJxS0OKopNlDkN81PFOuVCXDKCTtODkYpi8iuhO6uQx2aWmjmnEdjTMyN8u2cZoqdYxjkYopaDOrRQeDnp3qYLtTIOAO2aijwQCanUhlx614sj1kLhiByMU9T8wLUqAbQKsLCuDnmsZSRaTJIX3ZJ6U9T5koHpzUClkp8TEFiDg+tYmqZPu8wkjnnrQ6/N70IwWMgdcUwh2TK5yetI1jbqIxycAYP0qNvugnjPIp6Rsfv9MY+tSFQevbpSK50noRIm5R1UEcEjk/hTlj4weFAwBn+dS7cU7A6DrQS5NjCM9aAABgcClaRQ2FFO24HJ5oE4sQfKM/lSfNzkDPvSjBPH4ZqKSQqTjr2oKjG4S+ZtABA9scmol4AeQZKjhR603e/JzlmPU9vYUokywXFOxvy2Q/ztzbAVZz2HQfjTldGZlQ7tvBPqaYQEwBgep60qKqMcEKB94mkJpdCGaOaaFlRsFuBxgCnW0PkZR33sTn5V6VKZNxXaAE7s3U+wqGW2aWXEeURWGcH71VfSzHzaWkWMxnIycDrx1p5+ZeDtyPTpUUERiZgNxXtU5FSYO19CERhdzZxkYORg0H/RoMRoGc/wB48VMQB2pG29wCfpQPmZBGkkrrvk4ByQvAqfeXkIHCYwDilf5UwDtz2FMX92oUsAAM80Ds5ala/mKx+XCFAPdj+uKzo7GOJWeTccoNx9eK2GZG6bS1RM37xgu1gB0zVqTR0QnKKsY0WnmecSldkajCp6+5pnl29rE62dv52G5LHIz61q3MqxW+2bPz5BI4AH1rNvwIbJo7ZFVFX5sHoK6KbcmrnbRk5tXKVtG2p4llmG51BVEXAWt23s3hYOrO2FIGWzyao6VNFNEoRU5GNq8mugXaqge1Z1ZS5rHLiqs1KxXt4pkGJNuOwUVM6GRCGHB4P0zk0eaNwCD6nFNLTOwEYwucZJrE4dW7tkcsjiRdqgqF+bnvmpYVY4xx6mmSjgKDktwan2bEGRyffrQS25MVNoDsoIC9D6mqpuQ7AhmKcABR+pp1+7x2bLGm7jJwcVlaZPJHMY2iIKkAkVSjeNzqp006bl1NkP5iEbSoPBJ9KVXHk+YcgHgZquJWkCYHHOSepqwVDsqjOF55qTnlo7CYwp28E+1JMryBUiwAD1qQng7SB2zimId8W/DAN+dIautSOZordQZn69qpx31vOs0ig7YfvZGO2asXlvEis5AG1QOSTVNbTKpEF/1jb25rSPKlc64uChdk2hxBdJEjKFD5ckdSpOaz9bZIi91O53hSIlH3V/8ArnNbV0fs+lukR2/Lhccn2rm9StpTBCJSXGVTkZx/erSi0pczNcK0m5ss6AYvsKyeezKRv+YdeM07ULjz2xnPQsQMD6VPHsgsVijX7w+bAxmqciKsJyctjOB2pwXNPmPMxVXnk7EkE6RLhELs3fHSpzLsmQEFzjG3Hr2qikmxRtKg9ScZP4c0klwWZSgK4HJJyTWzjdnEpWRdupleQhI+o+6RnbVQFnm3MNwXtTEErZ2sfc5qW3KqxEmPm7k4xQo8qBy5mXoJvtLiMjBxgBmzU0rxAGN0AHZxVSSOGGNpHuYwOwXkmoDPycKW934/lWXKm9DS9lqNmCtJ8nIqZ4R5fH5CoQcyBiAPpWiTHIvyjJ+laSfKkQkmynbwqgy7Kue1ZOqSi3vZGt+WC5rQv7owkYTCgHAUZz9a527naeRi55b+Vb0YylK/QxqyUY2KZLMxZmLEnOc5zQGwOKdimnrxXqK1rHHuPXIHSnAndn8aF+7mnfKAD+lIhkgORRUZKjpkZ9KKiwzrUUZA9uanjAySe1QKCWFWVBA6/hXkSPVQ9OnvVpCSMDmqyrgZNSxOBjPTNc0tzVDmJNIDxih23HC9KljiyBmpKFjwozjP1qbJcDHTNGAOg5zwKXoD61JaTAhiOv60hUr1prPjheTTFAEm5izN7dBSNOXQmAJ4A59fSopJuqQjdk43ev0p7sxjITgmomjbbgNhu5xQVCy3GxY8xnbOBwD6/SmSSNI3ygjvyelPkYJGFUhVH61CWZj1HsKpdzdLqWI34wfTqajkkZmKxkdOWxwKa2e5JGOB2poR3KgLkZ5JNGgtFqSZCoMfMcelNiVw2+YgHqEHU1Oqtk7sAdgKaZUDbYlyx6ml0sSm2rITaRmSchR6CmM6LCW5UAenSiVu8nPbA9arzJJcSKschRFbLZXr7Af1ppLdmiS3ZZiQPiR+nUbqsgk9OlRonygHcfrUw4HFSc0pXYmCRnOFHU0hlXzVRfxNI6eZgEkgHoKTy41ctxuPU5oBWsRm6LSMEi4C5AznJ7UK0kfzeX5sjHLMWwqD0p0kscIHBJ7AComDyQk3LhUJztA60zVEElyk2Y1nLyjlhAM4/GnxWzHJdWHQDc3UVNBsLbYo8DqTU5YKcck+gpt9AlN7IqSloI2KIBzySOtZA1kC8aMRs7DA+UZya3poFnTEiHA6Amqi6aqNlNqnuQtXGUUrNG1OvBRtJaksTfabfdKm0Z4DVFJbRTxsgbKk5OD1q6kYVQDzSFGOQAOemBWe2xzqpbYoRaeVZpPM2qTkKq8VeRMYVTk9zT/mj4K03dhQqjnuad2zKdRz3HhVi/1jqhIzye1NeePACN8v8cmcY9h9ab5eX3H7x4yaJIVC5LBlXJ6d/WkJOPYWE+dKZMgKOFxS7PMuBIG2k8Lk5+UEZNLAP3ChQcYp3Cntu9KBRZSku1XUgEYucYZccCpGlyPlIA6/LxUv2aM5IRcnrmq8gEKlmQgD0FN2OrnjIlLqWRFBzgEn61MwWBVLMdzMFH1qK1hbO+XG5stgfwjtTmCyXSsRkRjIbPc8UjnSTbYj2/mK0eSMnPB5qO4Gy3CxKTtxt96kV0SOWWVsbmIzn36VH9qAiLhfLi2CKPcOT6nHYYo1NOWQy/LSy28SJu8xu3QY9anZFEh8v5iowcdqht5AzGbkrHwh9SakBWHKp0PJ9jTMnO61CZxIyZOAvb1NVbqNWQqXBCkED1OQaSSfdIB2puM5bGfSqUepHtZLREiSlIT5Ua7z1ducfSs28i8sfM7u7EliRwfxqy8kkI6EgnJxVCe4M8m48cYFbwi09DnlJWI1Ck/OcD6ZqYSR/wAMWeKSCLflj0HT61btI12sDtY54Hdj/QVtJpGSVxsQZctGmOONwznjrikjjVuZpCXJ+77fXtUkkOzIOd2cBR2FT20QbAVQzE/xdKzcla5ol0ITZwNMBEvYFnHQGrcsRjt/KhKruOMqOTUs0ENug3n97x8q9s9z7YqDc2cqOfTNYObZrycu5SaIv25U4Jz3qw8GU3IoB9R2qWGHlVA56njvVkBUEmMNgVUqhKic7qEjBCki7lx17iuemwZWx0+lbWragYzsXDFv7w9qx5Y5ZF8+Q8P0wOlenhk0rnBiNXYhOKi6mp1t94bB5Azz3qEnJ9a7kc6HLzjJOBUoUsv0qIABR608OQuKTEwooopkHZRgsc9BU5601BhAfXpTq8GT1PaQ5eevPtT15amK2BinjhuayluUiUD0qePJxntUCnIGfu5596mDHbgDrWZaJQcdKRmwQOpPpSZp68cg496RomRSHD7ATnPJAppjBHVh+lS8J90c461G77F9+/sKRsrsduEeBkZPApCBjqOTnr1qvgnJOfm6D0FLglhjgDvTL5UOaJD98/XHemGSNfuxkk980p2j7tSpFwCw5oHzJEUYklOThE7ADGatH5VyBn0FMDFmwAcDuaSQIGHmNyeSOppGfxMMswO7j1xwKidyF+QqVHRV70pAmYnacf7R6U5Y0XGTn0CihaGidiKGJyvJwT361OsccPIxuPc8k0GWNeCwHtnmlXDtkZxjrjFMzk31JBxjuaO/XJpuDu64XFO4A9BSM2gYEjBPHpimiNc88/XtTxz06VFNMiBgp5xyc+tBUU2PLKtMKxN1B/PFRBw7buwGBRubsPxPejU0UCcsqKACFHoDUTXBVjtO3jrUZZd3zcn2qs93CsxVwflBPJ61pGDZtCi30LaytvG5iR1C55NTrJuPTgfrWdZzG5meXouMKParnmfMAFYqOp7VElZ2M5xV7EplAkC4JOPSpFO3nIH1qpH5jZJGzd09cVJcSbWSJQS7jJ9hSMuVN2QgkYyhCSSTnAXoPc1II+54FNWQBfMeQlcfdA708Hf8xJwpzzxmmRLVihSF3SHHHAqCUb2CkZPoKkk3EhgRvIwOOlKsaxkmQ5IBLHOPwoJa7EbGRvlUED0JppLRuAzqu7vip1fcm7afYZpGiEhztOfU4OBRcmzHBQFO581BMCduG3AHJT1FPWJwMRk7ccl8YpjRTRgFmBLdVA6CgpPSw8SeZBIyEAscnH6Cmsh+6MA9BzUVmxWZoCpX5t232qcZG4yAFgOwoasyoT0Iictj+FenFZ909xLPu3YjTIAWrclwVGAOM4wKr3E3m4xwATgZ/pVxi7hKvZNImsVdlCKV6557n6VJORD975/p3p9uwgsjJGr7mG3PaqU8m5hGfmfdkmm9ZWMlG1PmY+1h86TcwwCTirN06KWVE2omAD/e4606OaKKBQEZcDliO9UpZWlcjO5Tx9aHeTsSrRjqVriZd5WPrjH6c1QxjgHOKsXMflzklce2c023jV5N0pCxg8kiuuNkjmldsSJnGNox74q/asI23y8jsgqIeTK+7JEa9sct9KmUgL2h4+UsetTJqxUUyxYiGS4kM2QqrwGPWlN3EJCyL5RP3UzyffHas6Ebo9xbcG98596mihVpSEXbu5Y4/WsnDXc1U1y7al+IxzNxxIwP1PPf86mFsvOCOtVbNFWUsTgY5PtV53/dnHGRwSKxlo9DWN5bkDSxRyNFHJhwOSOx7Vz2oS3VopUyHBPBB4PPerFwGlllWHgKd5JPXgVm3Uwli4JJwAc9+e1dNKnqrnPUnpZGdKjTzAk57VPdTQi0ihEsfmAH92D8wHrimJOttNl1ZuOimoYIXu7hV+UO2Nx6AHvXp8t7Lojz72bfVixsyWsrL1PHSqA+VNp5PHJrUvwtvstYTvKnLkVSeBgpY1rTkndkSTWjIRnI9M09cE/Smcs/NS7Ng6Y5rUljwBiinovy8AmiouI7APwPalXJGTTUHyrn0pyHMan1FeIz1kSKMg07qaanenA4INZS3LLCIDx3zx7VMV2kBDuqupPbqasx8KQOvc1mzRCKpLYbp3qTPH+eKToBjrS5VQSx74xSLSGNzk5AGO9M8vPJU5PJOKf5u5uF49aSRwuAcsx6KP60jVJkflbjljlj1JPSkJAXEeCo7jvSs7NkK649MZ/lUixAYLckUFN23GImHyeeOlSM21em5icAYp2PTj3oLpHwWycZOOcUGd22RGRlIihXLH70mOFpWjVV3HAbpk9TSee7nEcXHqxxT1jJwX+ZvXFA27Eax56REj/bOBSPDJJ/rZQif3U4z+NTspbjcy59KhdGB+RY+OdznJFBUZXFjjiTCRIOBycf1p28GQIvJ9u1Q52KFU5A/wDHvepoo/LVnJCk96AaQk0ojB74/n6Un3wA/GetROVTBB3MPug84p0SHBeU8nk5NBbikiZ2CRkk4UCqSDLtNLhQ33QeM1ZdkJw3JqPfEzkAAleDx0qlcqKaViKSbZly3AHAFZkurXEhKwxFh7jFaRi/eMxO7J71G0QY5J/Kt4tLoddOUY9DLgS5kzLLKytuJCgUTaQbnLyzsv8AecnjFXLm7itW8uJPNmxnaO1Ps0e4KLfHdIw3tGo+VR6E1TnJamk6k4q5Z062ijtx5ByhHDA/e/xq6oXGKikmSJMkgAcACoYbnNu0hwTngZrm5W9ThdOUtWXAF3ZznFI0KSEk9SMde1UHuCkcau23c+52JwB14qSyvjeSOYlxCvCsT1ocWlcidFxXMXViCKAOFFK4AX8KSVwuFzlm6CmSfMc47cUjnatuPQBnLk4Cjg0ArtznO7nimrzhMdf1qXpgsygdhQJCDA96iLtcFkYMkYPPPLe1P3gn2xnNNZtwKoSOOWA6UjSKGvNvkEUZIVeXO3gD0FQG4V5pJmcqFGASOn9Kmd3S3bytqsSBycYFQzbJIAD8+0ZZvemi2+VXsV7OcG8aVc8rnJGP0q3bFvLYyMxLEks38qo2zYDk9XIArVPyqq7F2gc4Of0rSasckG3cz5ipchRx1qvIMYxWnIbRG2tgBQCSep4zWe7xzTMYQBGOAfWqpy6Ezg1uMe6lwFB+QdA2etETbpmnmIH+6KeyALkjr0qv84B25x3FapJ7Gbb6lpXe9lSKMMF7k1NLYIsix+cuQCz/ADAbRUC6j5FsqRFFZRkkxZP51XW9w0zui7pEO5h1PAAFZ2knaKL9215MhuRsYgOrc49ahQ7iEZsJnJp02Cfv54yMnk0RQM/PQV0rRHO9ywt5HFbkKrNIwwuAMD3pkjyT/O275VC7mA/H/Cn2/kwNI0wVsEBcjJps95LMrgRIgY4AxnAH07/nWf2tEX0HRLMMJHH94gBiDwK0gkFtaSS3D42DkIc5rHEl1O6xxzSBRzsULj6njNWrae0hK7rtbmRWPyLLvwevJ5x3/wA4pVE7FQauawUCeOOMgc5b2qK8ukMhRWY49MY/xqCF57i5WSRtisMKqcY/WnPp6HO13cZ5I4ya5+Wz1N1LR2RnreiCSUsOGGMiqM0dqEHksST2JrZns4Y4WMm1PQE8k1ztwPJJaP64rsp2k9DkqXS1KN3jzjjpnFWIZ7eOJVhVwx+8ScflVWebzn3bQKdEu9VAwOtejy3gkzivaV0AAWU5yTnqxJP4k1BczPI2z5VUdh3rS+yhbfc5x9ay5diSkluvQ5604OLduwpXWrIgcGpgpIJY/SmwLlgx554BHWrsqbk+6Bt7itZSsTa4+J1WJQc5x2FFRp90cUVg1qWtjrT8q01Puj6UwHgnuTyacFzwa8ux6I8HIOPXFTJywqKpY/vDNZSKROhw2TUgbGcd6auCvSlx71maokc7I+Mk+v40qcrluBmmqobJOT2GakHPA6VJSInbnJbA6ACmGPk9i3J9hVggKmWIA/nTQQ33eaRqpOxCqbRuLck8eg+lTBPmLE/iaQRhWLNy2eM9qewJXkUCcrsjkuET5U5buSM4/wATTU3y8kbB6tycU5YfmyRk+lShccd6A5lshFAA4pGbHTn2FNJB+Xt65pCiqmBkZ9DyaASs9Q8yT+4MexpSF2nI4PWmbcgAEj2pjts6TLn3OaDRR5ifKDG4gVBPKjNgFs44BNVbm7mWQKjrgnBwOaeqbcSS5Zz0FXy23NVTUBw2xAySnJPQU5m3AbuCRnHpTFDzSZdR8vIUdqGBLnHzN7UaXHpcdsBbIyTTXeOFcuwUZ/CnMywRgH5nPaqVw5bDyLvb+BB0FVFX3NIRu9R0l7lsIMqMksKy7zW8RgW0bMdwXJGASaddzgJtkBz/AHVXAz9afb6dFNtuJjkj7ozwv0rpjyxV2d8eSmrtD9HtZViae9KmaU7iQOgwMCteNNu5hnLCqCWbG4DvMzIOiZ6mrsobywsYO5iB9BXPN80jhqPmmZepOrT+VGWMm0sT19v61UubmTTrNEYtiMZduOvrWjdILXdJDFukbqxIrFjtpNZeV7rEdsrDdg/eA6/nXXC3LeWx6FO3Ld7GtbpJqLhj/wAe6jABHX3NasbW9uPLBxgDOKoRyTyoIrZPKi9utImmFZflUlQS7sX5Y/8A6gK5JW6nn1OX7TNGJklZnRNuTgH1FWgoLgdVBxUUUaquOiqOgH6U55HabaFIXjFZHnfE2x27e5OMc8fSmylV25G52yRx0FPJADbVAGeCfT1pqMkn73HQcUikne40vsxkYJ4Hue5+lRTXSwoVzmQ4CqO5NUry+Jv4lQ5b6fdGR/hQj7WLXA5Q8MeM8VpyW3O32ShqyaVJLiJoo3+ZyMnGcDPNTvC8MIjiRQFHPOaWxt2trd3fJlc9Sc7RUknlAhN7l27469P8am+pxzvPbYy7e0mmMnlnAjHJJ4zRFPJE2xmIHbmtG7lENuIIectt/wB41XvLOQReY5UOuAFXtWqmpOzOeVJwVxs7l1D53AADmqavwq4wM9MUzzm6E4HSkY7mxH+J9K1jCxjKVy0oE0gGdo96ueUIYDHGwZ3PJHPFZiSlWw4GO1BnZiAhORwPalKMnohqS3ZLcxbZGjQgsAN47Lms51K4DfhViVmRCG4B7AcmkWLZCWnOX2jC+n+cVpG6WpnKzehHbw+czHBOOuKkeRoty7iCR0FQJK6cR4BPXjNT28Ak/eXD9Ox71T8xLyEiRpskD6k1HKNv3XDDPBHerE0yqpC47cfjmqsaGSQlzk8knH6UlqD0BIy4I6AjB96uW9knlElgD0AqWFUjKkL0qaLYjfdHI6VE5voVGPcWODyZsK3GBkZq6ZhGyInJbvjAUVXlYW0DSFRgDkd6yZLx3UEsd2AMDnGetYKLqM25lBGhcxhl815VUscIGPJ/zg1z+pAuG4B+greXhQQQ5xgtjp6gVka4UihCxsMEjpnJPvW9HSSRjV1jc5+rtrExVSOv8qqKpdwAMkmtW8Hk2CIoKuQclelepUlZW7nn043dzOuZXklCt8208A9KhlgZUMkmTjtVhEVE3bufQ1UZjPdM0jbgv3V7A1UFbRCld6sWAEkYHOevpV3DMNrHqKrxjaScE1J5hx7056hERnMZ2nJx6UVDIx3nGD60UcouY7XhuKTndmmq2ANoOO5Pc04Z6nvXjnqDx1qUdRUWcGpQcNxWUikWUxtpRyajVs/KD+NSYx04rM1JI1O6n8fLnuaYnBIpT97Pp61LLRFKGbP95j8o9PrTwNoCKDjHJz1pfm4Co7E8bscZp4GwZJyaRbk2IAI8Dq3YelNeRY8kgsc8nNOHIY4OBxx1NVbkNgLtIBPbtTHBK+pYjfzF3DpSOOcY61HI/kiCJcD156VNGQFMjHPYUgaaehHHb7X3sWJ6AHtUjHA4zn27VA0zF/kIx3psju+VPPc88AUzRQd7sHudgODkfSoVuDKpfySf7owOakSNTjKk47n+lTouAWwD6Z6Cnddi3JLRIjSMBQ8qgN6DoKieYvLtiXOD6VNJKwB2yov0XNJDGfvvIznHGRjH4UloK/KtRfLOwBsY7+5pT8v9KkwByxxjuaY0gBJUfjmlYmN2Vmhklf5uF9B3+pp7RHAAIGB0pk935ZKlgDj1rHn1WSNlKK8rE4Crx/Ot405SO2FGU9bmu8Dc/MfyFVxbEzAyHKdhiqUequsii5BjY/w5rUhm86INjFOUZQ3CpCdPRj4o1U8AD6VDdXbRK2xTwD0FWAdq5bpUBm+RpZo1jjAOFJ5P1qYLUimnzGR5M99ma9JitwMhe5+tVJpJrstDaboLZVwOBk8HpV77UmqjaisIVJHytjdzir9vZx7FEWPlNdDqOG+52TrOktdyla292kUILHazDKjrW5HF5IWPezlsszMaftUYEYzkYzUibEBdxkKPu+tckpOWrPIq1pVXYfny41HfPNVZ71FK53LyeDUiz7wXlUjGTgD8qqRFL66835ti5UA/Wku7KhFJXZaz9ohO3g/wn1qNRcQAI20xoh3Ox5dvX+dT28glfdGm1BwuT1qlfTQQSM93Mz7T9zoo/wAacU27FUU5S5UZUSSXWtNLGjeWnG4jAJz29q2lhMrhAQOQ0hz29P0qpBMtwrOQ0e4YVR/CP8auwL5FuixKS0nzE/WqqSu9TSvJt6ktw7MoSPONwzj0qsFbzM5x9KsSusMewHOOpzkk+lQO7qn7vhyM5P8ADUK5nBO1iK7uPs65jRnfPHNMW6Jk3yui7z8qdegqjqrXZVFjkwM5ZsdcDNO0yxkZDPK5kCjPTvW0oxUDqqqEaVyWVfMuG2LwOafEDEGwoKtwTVm0UbpnZc5HQD2qFiy5znaentT5tOU8G3UZIgdQEAxnJqvCQk3zdA2KllmZdwAxk54qoWLNjGCST+daxuRKwXEzTSbXZiFPQmh42eMfOCF7E0jQSAE4GWOaaHZCwP0NUkktCb3eo0bom3gdKkVmmBUHCscsTUbt5jnAPJ4pkkZUYJ4PaqJ2Jkia4djCNyg9far0VmIowXbk8gVDDNhBH91R+tWCzbRxjA6ms5OWyNIpbkwQ7ATx6VWuSUjDq2054PrU5uDgdAVHHPSqc7vdkLk9/oKzjzXLdrEeoT7dJ3F+WGM/p/M1HpFojss0+PKB9apXaFCiSMzrnhSOlaNnDLMv7qNl+oro5eWDt1ML80lc1nuDcOVfESfwKO31rl9YnVyVEqyHPbkD8q2rxJoYQJ/JCAc7+M1ytxcfaJXZQuzOF29CP6/Wlhqd53KxE/dLuiW7TXRcDKoOuO9X7q3YszNn8aj8MvtuGDLkMRzmtHUJwqPK7cAEnNaV5v2tjOjFezuctqDMp2rgL3OevtUUCbYs4696ZdTm4mLbcc8D0oEjBdr5246e1d8E1A5JWuWUIK8EE+gqAtuJx6VGNzDAAz3JPSpML5ZA6iqtYlsjLAGikHSirJsduXUHBI96cDnn9ahiz12nJ6GpcnvzXhtHrIfT1qJfepF61m0UieE4bpmp8HbliM1UBwcirMfK89qxZoiaMZpzEZ9MU3eqAAc/So2dSRtySKk06EipvcPJwAvAPvSOQB1OM8AUiq7Y/wD10qw4+ZiB9aBpuwshYqpC8AevApEPzYQE80pRpGGX+UdgMUPMIysUQxk5J9aCleWhG9uZZVZgFwc1IyExMikDPc9hSFyuSxwPrSxyZUt29zSK5ZbkBiccIu49z2FJ9mkb5ScKTlvVv/rVO0vTbQCdvWi5d5BsA9Pz6U2TYzBDgn0NMJUttBLH65pwVYVJ/iPoKB8o7ykD8IoP0FDyBcAHJzUBY4JH4knpVeR8ksXJHbtirjG5rClfcuPKigE5z65qsz28kmS24qexPWqom3Q/xEEnNQ7j0RWH1PerUEjojRVi9JDBJuBZenPzdKiWK2RsR7d2PWqDJOSwJXnpjtUi2ymMFGbnrg8mtLJdTXkjHqTSWls5PyRsT6Hk1ai+RM5CH1xmq0USQ528Nj5m9KkB27UyfmHBzSM5K5YVlO47icdS1VL1IpQfPuBtH8I71W1OaSCER2+Q3XJ7e5qlZb7nBnJcMOG6YH0rRQ5Y89zaNJQj7S5d08W8efLHHOMnbnn3rato9yj5Ahqlaad5twnmIDHCPl9zWo8iQMYkw0uMn0X61zTld3PNxE+eWg4Y37R90cn3oVSd29+GOTik/wBWEjZvnYbmGOppsr+XEWUjrWZzqLEkdBF/ETIcBV70yKNFUxoNq/dwtPCYIxycdTQqsST0XtQaXVrB58aSbPMUc4AHb2rO1G1E6t5zM6ddgHWrD2FuLhJTncDuAJyM+uKJJ0Z2AJCRD5iR1PoBWkdHodFPSV4FO1jZWRCp3EZJxwPatdPvAg4VRjGPyqiivLjY+FYg5PYVdhI8ndu+U4IOP6VMtzKs7sikjRiuwjIO4knmoJvMYHY2BjrU0zKY9wOwnpxUawLDF9ouzhQMhWP6mnE0pva25SVH3lppd4xgLiroDeSVyQCAQo4wKp2+oQTS/MrZZyFAXqK1Dt3NIw9OKc73syMRKSfKyojtA2UPGOR61Wlld1+c5xVubGSw45xiqkg81/l6d6uFm9TzpXSsQGQhTlN/GBk4A96jhKC6BdgBjv2q9IsJUA/IAOcDlj7VmzfIwNdEWmZSTRclbZGADu+Wq6AOzFuppFJkj39cDGPwpYyRwBmmlYTdxisY5zhQfY0+aLcxAI479qkRN17yuD0xS3KqBIF5O7C470X1C2hBA4b5jwQRhQOtWopDJKvmZ2ZyVFUI28mQ72288VbhIeIuGAJJIBPOKJIUWWrmNfJ3cLgZPPtVeIAQMeC3Zc1VuHbGH5TPGR0qtc352Ao21u4A4xUxhK1ipSVytcuTfHLlgpAA7DmuqtJfI0wsiksxAJUc4rkLdjcXIB9efzrS1i/msIYbSAhWlU7368Y7fnW1am3GMFuZ0aiUnN7Gfq959p1BhGzeWnYnOT75/wA5+lQRWVxKocRNsJ+9jilsLN7u4WNAW9T613LwRwxLakg+WBnA4LZrSVSOGgopamcacsRJy6GPp1sqWbKV2uCOvpWXq7yHejMCuMfWujntwJCVYqPWsPULZHL5y3uTWFOalU5mayi4w5Uc4ny5JGT2FSEZXPPHU03YBcbQOAeeetW79lWMJGMAjp/n6V6rla3mcFrlZZQAuRxjp600EdX55zikAGe3T0qZF3DA4qiWMBGORminMpDYHOKKCdTsF4UAn6VKnNVYWLPknPGOTVhWxXiyR6yHkc5pR37Cm7hThzWZZJViJSUOGwPXFQoBjHtVjdsjAHcVizRCFQSByR71YWNUA3dfSo4RzuNOkbkVJasO3s3CAKPp1pHzjHX3oVlVR3Y9ABSMGPXipNIjGlaNQqAM30oLCNdz8sacv1qE/MxZmyF9KDaKTEb5xlhz79qRmCxjeQqjoKTduZgONo5NRlBLdYP+rQd6pW6mqt1H+YIU82TlmHG403z3lGX4XsPWkMPnTb2XgdMntTmkVemPwq1boWl2FjlVTtRTk+gpZwCuSrNjsO9QNcNghcj6d6kjkJwDksfQcAUnGzuDjZ3EKNMMyKVx/Dnj8aryWuTkgyHPVj0/CrMjYGNpIPaoN0xJdiyr2UgH+VWrlxv3EkD7hHGpCDq3rUUltI7r+9YKvPvT2uQq5RXZu2eppsTSPgzSE45KDoKo01SuRR20sUnysXyDndzVpV2KMDB9u1PXJBJGB2zTW3n7rY98UXuS5OT1G891H+7nrUaxyCTzHCj0UHoKewJ4B+vvWfeSXas7J9wAd6qMeZ2ubU48ztckvIhcK3HJOCQasWtlLbKkat94gYbsP/1VW0bzDvFwCd3ODzW1bWKRz+cxZ2J43HpUVJW90wxFXlThct4KKqIB0ycmo4YlRgT8xZtzHHWnt3Pc9aXAjXJ+ZiMAZrnPM6WKUouri+GwMqg5ZuOn5U66aK0WGKWTJUDainkn3qxLJIFOwY9ST0rFjldbqe4uVaQ5CRAr94+3tVpXVzsiueLk+huID5eR97GKY0hC5dgFHfPWiUF4QoYqCeSD0qhdXXkWstxKCEAxHH6Ae3vSjHmZNGHMxtzeZ2iNhuZwuO/X/wCtUc8qTSS24Kll68dPSqum2jeU9/dfK5YlQexPQCpo7NhIZEBKsQSuAMdz+PSt/dWx2NwjsT2z+akMIycghsdB2/rWooCqAxCoBgA8cDvVS1RIo2aKP7r8hR1PoPx/lUssPl7ppXd9v/LM8jPvWDd2cM2pSsSIiSSiRcMsY49PrWfd20usu0e4iBT8zHgHFW0zKDGrAK7b3J7jHSpLolv3S4EfOcccUJtMmlJp+6U7HTbaykMiyySO5O0ucgAnt6CrMgcsQnTPGarW5d7w7uQrYGOnrV3fvkwGy3Q+3am731JrRd73KUqFGIbk47GmIm5sCr72kcsh6gdCagaAqpaN1+UcgH+lVGWhyuLIYoxKzhRuZR+XNNvIY4rTdKrPK6/Iqjge5+tRueSOQD1AOM96ZctJcOiF5FXuCcDGePetLSuiLrqZ5JheSMEEYPv2qRZAWjxyTyfai7WOORdi7AeD7+5qOHlcqSfnAGOg/wA4ro3VzDZ2Ls3yTh1fLMOcdqtCPPlgkDPJ4xVKCXbIWC7hjnd0zT5pnZCSQPTHYZ4rJp6I0TRX1TZ5yrGMAnnFaMNvF9hQrgSNxk9qxJpd4RByQepNa+9DbRgSAOigFR19aqSaikKNnJsr3yKFAHNc/dMQ2M1sXhZItyt8ue9YM775Sa6cPF31Oes1YvaYYbeOS7nJxGM4A647VUvLybULpp5wAScIoH3V7CoQGkKoMtz8q+9aWm6e32pXuU4B4Uj7xrolFRl7SRjGTceSJseHtOwEZ8ruGSfWtlI4Uy0Shd3O3P8ASkk3JBAExGnRkVe1NlkWMZQbRgGvGq1HUnc9ilTVKna+5WubhY5cLwAvQnpWTfuEtHYdW5/z/ntVq/mSSPhtxA61gapeIYljR8ttxXRRhexy1ZWuZiEvKSDyTT7gs8qqTnHFNigZo2ZQdqDk0wAsckk9smvasjzR2P7p4P8AKp0bbz0PoahQ+WvA+lTRKWbLDmhi6jiTnpRSnrRWYzpImHlqq8nGT7VOv3egA7ACqsRIBA9asR9eTuPtXls9FEyjGDTx1qLJJHNPVskAVky0WExu5p5OSM9ulRZwacW/lWBoizE2fenpHv8AmY4FV4Tu4Y/Lnp61aU5AqWWtR2QBhRgfzqNmMjYHGOtLI20cck9B60sSeWpZ+tI0vbRCbNgHU4HFQMhbgnAHYVOWLdKjZQFpG0XYjUKgwvryT61KUWMEkZPemxoEIkf/AICuM/jUUk5Z+hJJ44ppXLS5ncRyz5AwM1Ey4HBz6nFOZ2ZtqOuT2YcmkdX2gGI/8BatVobrQhU89MemamDFYf3Y+Ynr0wKiKY4XIH+1TmjL25QNtBPzN7U3YptXuG8oGeSTbGo/WmrIZOVRuem8/wBKlW1iCo0ikheVUmmNffvTGm3OcDbzii99gV2tAWHAyw5p0SHcx4/LpSRzSOA0qbFOevpSm4jIxGSQD1C8E0ais9hkshDKAC3PaopLqNWKhsYOPqfSnqreZuds/hUEyLJIi44U56d6pWNY2LDIdgCtlmOBkUwxpczFQQY044P3mq1BbidQ7EBVByc8Cp4UijGIE9s1k5nPKo0tBttaLESVA3HqfSrOQW2qeagmujHGfLUt0AP8zU1vnYGI+Y81Hmcs092OG0M3yn5PX1pvmjaWOAOvToKNu1CoJUFtzEnrUUjjICjcx4GDSCMUxz3Hyny0DHIAJ6Co0iSS4y3zNH0J+nNOO1MkkZUZJ9KW2XEO5QMtzmgqWi0JmYRgADnIz7Cs2a3k1C4KE7YlOMY5arrSKLkRnBJG7kZ57ZojHlLIsXy5bAPXr3pptCUnBaDJIYUWNJGBVfur6n1qtZSAytsBwWzz3q2bctJ8q4QDaCep96ZmK2d1T+AfNj1PQU76WNL3jZD5Zxp+nyT48x8nB4AHFVYsS6Sv2ss+8biM8tk4qa4jM+mMjjJJycVFEuGjAwUjUD6mjSxjKSVNW3LNtbiCNZJ22lhwvtiq2oXqoQltG0kjcAAcAnuasXzyKuIFVpmXauTkj8PSi0gyqhnEh/iYDihdxxaprm3Y2ztZcIXIJAAbHA98UFRbyb2yCzdB9aW9vvKjl8tgiRgjPv2/WqdraRy3CTzszkHI5/D+n0ot1ZUrxjeXU0EkkK3DIed3yjH+yP8A69ZovkGyCUb53bAOeVGa1d8YmKqMHHOemaz7q3iacTywsZFbCYPU+vpQrdR02lFqSIZQokwhJGcZIqx5OV88922r9AKi8olzkUrGSTCqeEBA/r/KttbKx5+l9ShcR7bg+aBt6fhVFh5EuByrdK0byBk+aRsvwMe3+TWfcsAkO05bk/SuiDujCaJoZ/4OQM1bmVfJIDjtjJxVULG1ukkZw3cE96ZK0jW8mMY6n2ptXegJ2WpDAm+4AY9+TVme5GCkaY7bic1FZMAzZA545qRoSz5J6niqluTHa6M++uf3IQA9eM1mnmrmo4WbA6VSrtopKNzlqtuVia1jaW5RUJBJ6iugsIvs021wQ/8Ae9azdDgM94qhQdzAciumntkE26FgyodvFc2JqJSUTfD024uRPhvJjaRzkNuz1OBWdq1/+7JjOVP6dqsPOEiKOT7e1cvf3TmNh1AGSD2ripUuaZ11KvLEs306x2IkLdRz7/8A16xoreW7lzwATjirVnpUl2RNKzOVGVBPAz7VuW1mlnbBnQZB5B7V6SlGin3OKzqtGNeW62cO1D05IrOydu3Jx6Vf1SXdgL0J55qgBn+prai243ZjUSTsgHB5FWo3DE8Y9qq9TgdqtWsRYMeenatJbELclXA6nHPpmirUSqE6rnvkUVz86RtymmgI5I4PSpFcBjnOal2KFCjoBjpUJGDmuG9zs2JFbPXrUsf3qrqeRU6NjpUspE4OelKTxTUPWkLc4HNc7WpoSo201YUu3TjmoE5k9zVtMLgd6hlRHIoQ5HLepokye/50hkx05pQdxBPAH61JqnYGGO3JpnllpPm4AqVSS27qewppYop5y7Hn2pFpt6EbsGPBJUcAdPxqFkGPlIFSs5FR+cc8rmhX6G8U7DPJRV3OfmPcCohGFGY5T+PerBwy5cduRVcuvmZya1jextG9h68R/vDk4PaiHlRnpuPNOVd3zDJ4/KlxhR65yBUN9CJS0sMaGWcuQzJ2Gewot7NbdAq/UuTkmrMolACxJkNyzE4pjFh8uNvYHNF29BKTkiF12neBvbHc9Pwqk0mpOfktI1XsWfH9Kt+ePux7v948g/jUM80ikAyIM9thz/OtY3R0wT2JEjYL+9Zcn04FNCqzYR1Yk889Kit90k+A2845HZanQGJSz5Kp947fvGmS1rYklfbDtTIQDoo60lvHMWUuSABkp71VS6DyAGBiAfmLfLirhvlUKnl/O3Jx/DUSTSsiJqSVkTKJHmwygRAfn7YqxkknnA6AAdKbGDsy+c4yf8BUg5yR0Xqe1ZHC227iBQq474qvHF5IeQje5HAqxjr70EcUApNFbyvNch+i9QOhNTtuWPEYA9WJwFFOApDk96B812RysiBepdzgHFOjZiyRgBSp+bI7d6hkdo4y4DP8+AByT+NRQyuriSZMbvvDPc9aYTio2ZHqd1cMTFZccZMp7D1xUU1s/mxFgzK8gYtnuOcmpjAGDea/EsoZsHGFHIXj/PWlluN8JTJLBjtwMVd3sjaVdJWRLva5EkcQG3OWY8ACnpHHDiINuI52rTILfClXlCLt5P8AOnfaYI48QvI53gABMZ9/pUvQ5YpyJfLIYpwHccnPIFJ5wRtkA2oBhSOrGnFUVvmbBxyB1FVgT/CPm5wD2o3C9hPscZhEcm6QsQX54Y1ajiMKFyijjCL0ApsbSKn7sbSeC2Og9qq3qzSShLidvKBGdjbPw4/Cg1gvaatk7tEsvmTODJnBx6/5NIkryuxEbRpGcb3wc/SpIYLZIzlVEajcSe9Z99qaFfKi+Rcd+Men1oUbm1OPPsXLxyLVsBVDHaMHJz702Fkgt2bHzBWx9ccVUVCY0kufkOCUjBzgds+560rMzoEbgAc1SV1Y46loyK1/c+eu44HbHr6GqEgCZ2jKkYJ9Kt32yOLcOp61npNJ8wRc5H5V2U1pocdR66jEIycc4PBNSSyjZ8jH5uCDQlvMwJWPAbuafFZPKuFGT2rR26mSv0CzkEasGUNmp5iHtnMQOVGQKjgtQ69eQeQKszWrxQbo5QeM7SMZqJNXNIp2OdvZBJICPQZ+vNVqfKxZzu65plelTVopHBN3kdJoltIFSaByU43gEZFbpxH8yD8BWJ4amKKc5AwRmr13LvnSMlRH/E1eTiE3Vsz0qFlTuilqE/mPxz7+tVLjS3Sw3uMFxnBPar0KJPf7f4M8U3XLllLkH5BhVX2qoycWoxJlFSu5FPQ7t4ZDG+WRTnFaGp3CmMsDhccgjGaw9HffqIEhwDyT+NWdSkLzHJwMc8/41tVp3qozpztTZj3Mnmy8EED0qMH8hxx3NJ1divrmnIQP4fbivRiuWNjik7u41R82D75rQtSwU7OB7GqH3mJ96uQEIuT+VTU1iOG5aRUIO44OaKrmQk/L0orDlZrc6ccrkdKYV71MvKdOPekZeAK8++p3WK5GKkQ0rJTF4bmq3ETbiDT1OOepqJTlqkyKzaLRKjEEEdamV8DLdSKrqQFJp2fSsWtS0y3F8zFm6dhT93mttHTvVUPnAH41ahUBeOAKhlpkmeOOnoKjIYgnB/Gns2Bhabkj73H1NSbR0IGYgfdP5VEWwcmrhIIBHP0FRv8AL25NNaG0ZX0IGGU4G4nnrwKrMvzAAbiTgACrolJGGVWGOB60ohWRsKpRm4yOOO/0FUpNIr2jiiCJJI1P7vLYwqg9auKgii8y+dBjoBzSNcQWcYVTubGM9z9KpSSmYhsEDsSOR+NCTe4oxc9ZFiSaSbDwzhVz/Gv8qrNE5YtI/mEjC8UAiPkcn1bpSea3BZjgjkjnJ9qtRsbxg1sNlVvujcgHsT+QHH51WCAy7oIpZZWO3e2AFHr1qym1xnGV9DVuCFdvyAKvsKJSsEqjjoR2sKJA7nhAfmIP3qqz3TyYEIZcA4BGAvvVq8l3KsUUTYz94nGPes5vNGUhmAdjk71LBR/SnFdWaUlZczC1l42orPglmJ788Dn1P9a14IvlUyqvmHkgdqpxvBaIouHOVXezYwM56AevOMVfhJaMMwwW56YqJu7OXESdyZetRyguyKXO0NkIDjJ9/UVIOWCICzdyOi0juiKGLYycKR3+lZnNG4O6xRlpDz0CjuaWM+ZnBHHXnpUAt1EjNLK/HzHnPHpTZ5EGyFU5Y8KD075xQXyp7E7SxhSzPkDsDVd9QhNx5MbFDjJY8EUsq+XAxRQcdAemap29tIkpeSHJLEk+tUrWNVGCg31LrRiSJUDOE24yCQeetOfZ5IDncTz02gelSE5APVQOFHQn1qhc3KQEEZJB+UEdT60JN7HK5dyJ3/dtzgliFX1xUyRhyixqc459zUEEGyFTISZBzk+9XYOMcYrR6GC1LK7eyHIGB/jUX2tWfbwoGeevSpZCyqI02gfxDFUJcfawUkxt5YbMYA/yKzSud1OCa1LMpxCzbTlvXtRE+1Aka7pGGST0FV1ffCW8wyNk5JFWYJIoITK+eBknsKOhhZ89iWVzCgMjk9z/APqqh50l9cq64WBOcFeWNRzzPdbhCzB5Ce/Rc4BP+FaMNswVQ5ycZPrRsbytBWW4xn2xFAcbup9RVG4W3CriNcg5/H1q/JNGspiiC7ujMRn8KzbuElmIIUc9acUm7HPJzghYyZVDytkAYVR3qdIw4ZicVlJOUkCtkgcY9avW8yA/OxUE1tKDWxgpX3KGrOiRGMAl2OFFWNPSCKxZJkPnSfKecYGDn+VU7ULf65JI5MgUnORwMDt+VaLx7tuEwd3JA7f5xWj0iovqZrWXMPb94NpIVeRx29hRHavHFhQU3cKfQU8xlFQk/L25q+AwRHbaFVeFbnPPFYOTRtGPMzCvE+w3KqBsVugHtVC71B3VsYA7VtarA8tuXk2DB+83BHHSuPuJfmKA9CRXXQj7Tc56z5Niv+JPfJpwBIz26VcsrTzI2kYcdBmq8iFJCDXpKSvyo8/lduZmjo0rJNtBO30q5cT7zv6DqMVS0ofvCScAUtxJsUgHOelcdWKdS51U5NQNXS7iJWkZiC3IFZGrTPllJ98Gora4WGX5s5xwAKq3k3mSMST17nNONF+0uEqn7uwy2m+zzq/YU67uvNkYo27P5VV6kUv3yWAwvau1wTlzHIpNKwKdg64/rUgGRx+ORTFba2SKVpMmrExQpLYUc08GRR0yKSAEtux+HrVzyyzBV7+tRKVtBxTZEiOy5EgX220U4wsGO3JGeMUVF0y7M7Dy9qrtzjHOaNo781LI4YhE6dyKDFx3rw+Znq2KjjPTpUbDkcVYcYbkUxgMVrFktEeacp5FMAOOOlL9KoknXAbmnZ3Hj8TUIPSpF561nJFpk0QG7J6dh61YSQk88AdqqA9xUsTAt81YstMmLgyfL6daeSG69ahyAT6U8NxSsXdkxO0fKMnHpURimlJY5A9+1PR9zcdv0qN54yTlt2OgHekaRlYcirFHhP4R1PaiCNpJHcFtpGCzH9BVffJKuxeAeSBUm1mQIxyvTFOxHNd6kkrQrjbtZzwOKqSLN/GFA9QatR26gg7Rx3Ip7Rg/eYY9MdaE7G8anLsY75lO4BmGcDAxmmzK4ZC3RTzz0raMEZ64NRSadayqBKvyD+HtV85vHEvsUrSDzpGG44U5b0rQkIij4BPYAU9VTYEjwF/uio5oN7DaxUA/p6Vm3d6mPPzSvIoXTvGnHA9QKg09XxJLOGVOpY4+mP5Voy2kjFAkmyNR82eppxtdwAkC+WOigd/rV8+ljZ11y2K8CfaJi7phFbIyffI6e3860FwOcc0gUD2oPzHHQVD1OOUuZ3YjHzI2UMQDlSQcVWaIIxkDMwhTCqT3P/6sfnVnaI+gZTjgiq8h3JlsYBztznFCK57LQmhjXytzEjccsSfvGm4WNzcbfMdj8pA6CneZvTagUcD/AOvVeS4K3CR7Apbd17KO5ppNsulFyIrnUPJI+dDITwr+tN0+8lupHcpuVBhVHc1SkP8AaNxyE+Q42tzz16GtQr9g07bF8skgwFQcitJWWh11eVJQtqFzcLCFIbdJk5A6DtWWjtLcKZOecmklLkhcdOOOff8AOrFrGgjDtjk8D1rSEVGPMzxqjvKyLCgyMSoyP51bt4y8gCjjvVeLCgRgZbqx9B2qUEfPg8KBu59axkXEfPudmKnOc/N6fSojHEYCm3JYlmJbAFJMzBETdhcbVApHRkYICdxGTjsKlI1dR9BkYZlO3oeDViX5IRbqFO8fP6/55oS1byxnIJPT0p7RbZFGSzHk02QrrUdDb42tgAsMAZqK9nuBL5MKgZ9Oc1YYOCMgrtHJBqjaiSS5Z2yq5wFPWku51U1ZcwWaupZWTOP4u5NRSrLNOIPuhm5NaD3CRMqKwz69hUDTRWlqbudvMeTGweo9cU07O7M6sJSd+5iSQsSzQjIU96pTXMwfLdQMDA6Vs+cBI7KQd1Z97bjyg/ALE/0/xrthK+550422LejmGG3UpGTI5OR656mtUZMZYoAoHJNc7Y3vlLtJwOlX7y/82RYbZsptwFHPP09ayqwbmaU5LlJ1ne6vPlG2JTxnvV+8k2oI42APAJznmsqPMSjcxG0BtvqaRr9Axd5BychR1NRKD2RrTqcruxdVkItwruCI1JII6/54rk2jPJbuT0rauBLdTb2DEMSR/Sq9zb+XtBXnHNduHtTWvU467dRl6xgjbTV37hxwM1i3a7bpgPSttHhs9PDSyBd/HXvWHcMrSllYsD0J64q6TbqtkVElTSHW0wiDggnI4pHcueah8wLTGkZgccCurkvK5z81lYJCVk3dD2FRO25iTR9aT3/KtUjO92IODTvm28DNN70+qB7De5z+PNKF5pDwakUhV5xk0gLNqq985q5GmXOKp2iMW3Yz+HStBPlUk1yVnZm9NaDjGhPJb8qKjebc3Wiuf3jbQ6W3iLfM/DY4GauPIse0DBz71SN1FDASuc7eKS0BkwZCeua89pvU7U7Dp8tJkCoO5zWg8aLg5596zmOG/Gqg+gpKw7tio+59M1JkHilCADgVonYkYgJ7GpCu3v2pThVyv50xmJ4JqbtvQdrEg6etSJgfiKrBj0FLuYVLi2CaJzJg0hmGD61CAWOSeak2gY4pcqW47ghZgc8CnIuTzUiAcZ5qeNEJ6dqltFJNguCoCKETP51KMAZApnlrTvLPQGoLQoO7GBS7QMliPzpQm0ckfjUM7fwkZB/GkaRjdiu8SKWZx9c1Bc3AiBwWZicAdh+FNZ14VRuoLMOcIP8AeParSOqMeVjY5JFyxVm4x0HWpjcYhBIKnuCOlRpOpOGbn0GKa4dVGY2Y5wo9T6Z9aOuo2lfUsrhwrEE46e1ORg7FsEAcCo41PllQ6sejMGzk+n4VMAAoBI/xqDnl2FwD91T9c0i8NQXBb7456DpRggcfjTMmrDTuMjAZd3Oc+lRTWnyZJYsegxU6ltvycE/eYdaYUKsNoY54O45GKNgspblJWeNsjtTmKs008eRO67FzztFWd0ahspyAScHjpUL2j5B5BbkD0GKu6Yk503dFCGFbWZnYA85ZsctTrmaWdt8kRTHQMcY/CryWX7wnk7OpPaq90rEncd2MZJ/LFUrN66k1Kk5vmZSklxblQMN2/wAatvJHFp4I+9sAwBwKjnTzZE+XCqMkD+I+9VbuLyiiq5Ibnb6VtZS0MLtamjaymONmO3cxySanTYICWc7m5Kjp14qrEDIyqg5UZarj7AjvL91QAF6ZJBNYzVmaQuymZQ8hMeWIPy/XNX7a2Rgz5bOfmOc1mwEmRrhQoGSFXsM1opaztD+8IC46E/rSkrDhq9Ql1C3ijO3dI45bB+7S2UvmQteScZHG49BTf7NTyQCoUNge5HpUlzGv2YRtL5cfBYAct7fpUOx13g7JIqvJJNcLEWYLIcsAR0x09almuEhcImNw5OBTxarB5ksMf7xx1Y9BVO8YIrAHJI/Kjd2QVJq1yZYYbmWMzLltudueAMY/WqV8hkv/ADJ2UED5I152r7/4VJA7BgynDYAHtSyRqJiC+SQNzEdK05WmYKs+RoqudxGFwMYAqG6yI23J83Y+lW7NRNKzkHap44/CkvLTzNwAyvTBrfmSdjls7XMOFkWVjIMjPFWEma1lEsTe1Q3EBgYMcYJpmc4zXS0panMnYtSXRkB2q3Jqa0gAkVnXOD90jrTLJN7KHHy9RWywWGYlOQpxyPasJSUNEbRTlqyC6VIxG0fy8ZPFYt/LiSRTnLDPNaN+zLGHByD+lYNxM80zSSHJ4FXQi5biqySGSMXwXydvTngVCxp7GoH+9XoxilscMpAOX9qGI6Ug4pDWhmHWkPSjNIxpiAHBoyT0pBTwKZTGgc+9SxJvbjrTQMtjpV2K32x7u/bPeolJJAlzOxaghYJGM8HnAqx5ILdQQBmoYHbHGQcYB9PeryBRFlhzjgetedNu92dsErFCRU8w5z+VFWZFUt8hUD3Gf60UuZj5REfLDdzitaC7TGCecVlNCY25NLuKis5RUlYuMnE1HuBkc54po+b8KzhN0z0qdJ/5VHs7bF89y0hAY5qXPyZqkJMtUyyHcAPTilKJSZNyEY9QB3NMAJoKZY5OQMU9FyDU6LUe40HFOFG3K0h4NG4DwQKUHPSoxT1PQVDQyZPu1OjAEd+OlVQcGp0P61my0WgflyPzprH86RDlacfu5zj3qTaLIW4OM00sQOBzUmBk8Z+tRn52K9B7GpN0xhweShBP8YOKQW+TkSHk9D1NSOpOdrgHoORxUJDFsfNwTxn7x+tWjRahseGRcR8E87ec1ZSLe24s2fr931xTEmwvBMhBAIHNTxtuj37SM9AaT1MZylchdMqFjG1c7VGOg7mnKcLschTjnJ/rUu3+PBwvQjPFQKpWTeRknp83P60hrVCqikM2447kqRwPQVLhyoULgd/ajOMbtxz04zmldpAp2iOP1Ytnn6UGesnYZPcCMqqqwRf4vU1Vm1EhyIwGAHQEflRLdFYyW8uQ9FJBGT9KSO2cyeZKEwvKhRjn1q9EtTpSjFWaLqjeoDAc4Bz60MB80m7AI5PPNQ7yCueud39P5VCboSSMhQiNcDnoT6cdqlJszjSe6JiZJNkQZiM72KkjFMZBIRHGGVFbJz1PpUT6ksQ2YBdjlmYEA8VPHKLPTDczJvLKSoXvTs0KpSlohsiqoOdpHpWPfy+ZfGUKQg4HocelbDD7SF5be4yQOiiq13EstwEUYSPIB+laU5JO7OKpF2sVrSUcsW+btV+42yW5+U4ZecdyaxnHkXpiB6gN9KuOZFt9wz90kk+nStZxu7ozjK2jGRfuboEdOq/WtFgt1Jgyyh9vzBWwOO1Y6SNMytghR0x3rU05C0xc9B1pVI6XLpVHF6DpkmCDby54XBJwP896kt3dAWlUSbQAoB+8349BUzoJFKH5gw5z3HpVeVhHMyJzxjr0+n4Vz6vQ651HaxBcGa8nKyMBF8oA25zzzVa/ZI0AjO5c/lU0snlH6dazr2VSAiAjua3pxd0zmq1XJamlZELEZ2OB0UZwTj/9dU5JQZsBySzEsSc5qFL0/LuO0RqQFHc8c1DdzLJP+66EA8DofStVF812Ycy5S0t79kaSMHOTglee/WpJNQjkkQBgsaDcRySzH/P61QAMcRCjMknU+gqExlRu7g1Xs4t3ZHtGkLfTNJKVLMdpx83WoVI/iPepraL7RdfvWCK2SSewA/8ArU26SFHXyHLKc9RW8bL3TKV37xqQuBHEFHXoPWnSSeVM6E5PWswXGxv3ZOF6fWp4zvlyxJYnPWsXHU1UtLBq07LCsJ4Gc8f596xmNbmq2++2WUdvasEkgmunD2sY1r3Gmom+9UjMB1qInJ6GuxHIxQwHWmk5NGBTc1Qgooo70yhR1qWMbnGKjFPTOfakxPcmCK8i7fWtQpuVFXJPJOaz4E3N1x29zWvbKEQk8Z6kVx1nsdFJCeX5eATzipJceSCOg9D/AJ9KgeT5n3DjsKId8u0EcCubV6m+i0HJaiRdxGc9OaKlWfZlfeii7CyLhVW+8KqzqvRBQZ92eeKgacA561CTLbQeSfekG9D0NH2kGgy7h7VZGhIk2T6Y6n0qWOcNk/gKpMevoetOjlCKQRk54osNSNWOT3qVZAo4rMS5GcDJqxFICT3rKUDRSLytnrTWHzZ9aarBVBpyTLJxg/hWNrO6NBMUoJB4p4AwPrmmsMHPajmuAqnOSamRs1AOKerVMkNF2Mjue1Sc4xVaNsYzVkZIGetZM1ixpz6ZpMc+g/nUhIH8NN3A5wM0jVNkBHJAXIHUnjNRPv52DPtirEnm4+TYq+/eowSHClunpQtDeLdh0CtGu0jjqSOP0qVDlsLgsTnHXaKYHB2sGIUnAoik27405Jfk+opnPJ+8PmVscybePlGMn61Rl2bjjlsY3Z6fSrLwySMS5UDtyaRbYIBggnJ5xTTsbxmoi2mQBu3AoMYY5xTrhR5e25EZHXLcYqKOOdJR5s8YXOdi8k+1TPBG6kMu7J7seKXUzuoyuUEhW8uMpPK6RsOB901fdcttAyzHgZ7U+KAIu2NMD2FMMDlWI+UucZB7emaG7j5+Z3ZAzt5xVdoOOo5qnJLDDiJCzv3KA8VpKnlrjqcVFHCr5/d4JPQVSlY1jUUVcpQ2cchG7rnJz3q1OiTTFF5RABk9AB6VK8PLuvGF/Kqm/GR60ayZy1KrbuXrMLvzyVUZOB1qsrG5Z921WwSBSm52wCIDjktg9T/hVB5GjYFOMVUYtsyckolfUVaORSeDnGcc/nUl0xazRVYgScFie1Mvbj7UOQTgdhVNmOwKwO4cfhXVGLaVzmk0m7G9bwxCJI8Kx7H0qxHJDGWXG36HrWZbXinGOdo54p0comkLgdelYyjJt3NYySWhdeZo8MTzgEjPSqrl0CyJyVHfmlkb5PdjVK/vCMQR9x8xpRiwlLuR3F4SpXILMck1FFbtJmSRuDzz3pbO3E83z/dHJzW4lkGg2rgY6e9buUYaGSTmYMsPOcckDinrb4ZCR8p61qPYHjIGA3X1pixb22j+E0e0QuQZ5cTbflHuajmtUYZQcelaMFl5o6hR6mj7GysCMkEZBrP2ivuacl1sZt3aBbYOmBIo5wMViFt2Pc5rd1R2VtgGAFwf8awfusPQV00Ly1Zz1Uloi3EFRc4BPvUsRw43D3ye9UBMcjK8DpViOUM5288VcovdkxaLl7qscVv5eA7MOhNc7M+5jjgZ4q1cELPGCNxznHrUVxGFmIHTqPataEIw17mdWTlp2Kv1pRTitIeBXZc5RrdKbSmkoKQtIKDSqKYyRVBU4609SAoHemA7AfU1JAPmzjPNQxLcvWsRXlxg9RmtEui2/TbnrzVKEnocknrmnSS4ba3btXBUvKR2QtFDGJdgvqfXNXDttoTjr61SiwZi+MAHI4od5LnOOgPr1ocb6AnbUnQgrlz15H0oqq6jjBLYHJ5opcvmFx5nIzimeYxqIZNSqtbciRHM2KCalVjkZoVM9qcYjjuKyk0Uri43cVIIlxTBxUgbioLRGUZDlack+wdCTUgIPan7V28gflSv3HbsIt45XaOvT6VctSNuO+KyCWjf/ZJ4NXraUZ+9n8amUdNCoy11NFHzn0H6mrCIGA96y/O+YYPBq9DOTtGeK55xe6N4yRLJHimhcDnirce2Tr6VHLD3HSsbl8oxGzzVpW2gkn6VRBKHipVfPPWhoaZbUZGcYOMknmkIOMk8emKajZXB6etOkJ6L/PmoNY6jHAbjJFNCKmdp6+1KYW2nklscY6D2qFpAFzmnYTk1oRSsfMVc4A9KljfDDHA7mqobfL14q3CgYVbVkZXuyyzZOB1/lQy7gAC68YyDilAANGRtzg59DWZsrkawxI+7uo++3b8TT/MjyuHDFuQB3HrTJGBUZXcCe9LHKWDHaAeQBn+tBUl1YTb2wpfO77208D2qOWUJ91skDGc4C08K80gZNo4+8T0FVLlht2RMznONx71UVrqbU7Ma1+wjATAVeSRkk1Nb3JwBGrM8xyCw6A9qqzwkIPMfCgD5T3PpVqMskQ2EK23hj/DTla2hpU5EkOcmQEKRsUYJHc1XljCqGHbtU0MRKLEvbrTbthF8gPH86I6PQ86VnqRs4aMY4AFVLmSMQny2BfvxTjueMDGB3NT/AGYMudoA6LxgZrZe7uZbjLC2xa72IO7jDDg+1QawsUUy4QbiuSQc9q0I0WPCvwoztByBzWZfpG9wrtICucDnqKcZNzBpKBnq5RGULknHJPatC1kAhFZ8jb5CcYqSKTAAzXQ1dGCdmXXf9BWfOQZB69TU0knXn8argb5PlGcmlFWHJ3NXS7UugYnG4+natsBQMIGI9SefyqjprHC5IXHYjgVb3nGV+cZ4OOtclWTcjroxXKNmXAOMZApkUAA4HPWp8A4JFOXA9sVncrluxEjCr0z+OKbMuFG0lTjkdvxp+c9yB78VRurxYCeATjj3pK7ZWiWpl6s7CKSI4Dk8t6CsbH86u3k7TSsWPU1VxXp0VyxPNqu8hgX1pu8wMdvIxxn1qYDPSpUtgw3OM+lbc3cys+gun2iFTNccseVOelZ98Ve6cxcrnrnrVzUSRaphiAGwVBxWU7ehqqScpc3QVRqMeUjzSZ4oNNrsOXcKOlFBplh3qVRgVHink8YpMTDJY1dtYN+NvA96qIhLCtWDAhTHB+tY1ZcsS6cbsRz5SjjPrz3psAaaUlumc024zuAAzk1PAqrbEP1+uK5to8xvu7FUeYWkCsMZOe46YqbIWHB4OMjimQkKWz17c0m/ILH+Gm9dAXcl8/bwVJI96KaoG0ZAJPXNFTyoLsbGvHNWI0U4zVRXwOtTxP6nrVTuKNi7FEmRlvwqfyQ7YA4qskqowqf7WFwBiuZ3OhWFktwCAv4n0qIx4bAqcXKngDOakiQSdu/JNK76jsuhUMeKeozwelaE9oipkDOKrpb+YuRxSU01cfK0VJYVdev0qmN0LlT3GK0Z4fKzk81nTg8k54rWLvoZyVtS1GclcnPFXocHHNZMUnzrz0HSr8T4xzUyj0KizWgcA81eDAqKyrc5xmrYcooweBXDONmdUZCTx7efxqFWIqxM6snvVYdTQgluWY3zipDKE+ZhnP5VTMhUACoZrgvGADgA0KLYc1i1Nd54bnPUCqLzE5xwPQU1pMD3qIHJx/k1vGmkZym2WYj0A6dTV+JgF61nwnFW4zk1FQcWXFen56ZNQAY709eeM1jY2TGyKZHywzjoB0FLEpbILcYyWPHvRkhfTNJ5ZeMgjKngg96RTlfRkoYbWcsChACqFqqsKtcAqmT1z6VYJ+XZt2qo+6OM03LxW7bdplxjjuaDSElayGuu+bGFwp+6QMn3zTZTl+B2pkUU3m7pHH3ecDqaJW2uR1NNE1Wr2QqT+TzjJ/nVKUmabPU559Knl/eYVeCeuKtJbRgKQdp9KuLUdWc7u9EVzFnYq854/GrMKtGPLlXcE5A9TUzuke/bgHnLccH8ar798kRU7i5zkHrUOVzTk5dWMvLgCNtyAc87hngdhXNFyzkn14rX1SVRF8pPzdec4rGzya6qEdLnPXlrZA3WgHBpM5oroOccxyBVzTrfzGLnoOKpdWwK3tMhRYlxyxGaznLliXBczJo4GjkyDkGr20IoAqFm24HpStJ+7yetcUm2dkUkPLc8etPwAPWoYjnBNStz361JcdSOWURqSR9DXO3spluGbt0AroLlsRsDzgflXN3ZCt9a3orW5jXbSsVZPu5qMUSPniliBPJ7V6CWhwPcmjQAZNE9xsjJA9qTOBUU5BhbPYcVG71K2RSnlMxG76/SqtPkOW4plehCKitDjnJt6iHmm0/FNxWhKCk7ilNIeooKQp6ZpRkmm09Dg80hFqFeCBnmri/6vnqKqr8tTox4756CuWpdm0NBsyMmCTn3p6yEx4x39aSc5GD9RUSt8nvUpXjqW9GPkTyzuH8QpuQIuO5pHk3+n5UiqW6CqSdtSW1fQcHbAwo4oq1FbhowT16c5oqHKFykpFDOOKesmOlJIoFR4K1vo0ZaotiYFRnrmno+ZFzjHeqQenq+CD6Vm6a6FqZtoIzEGBGfarEN0oTjBK9qxIrorUiT43e+K5ZU31OiNRG7PKCBk/N7VBDKBw3HNU47jzHGaWUmOYZ6EcVkoW0NHO+pqqbdh+HXFVp7IyH5QDnsKIZwAARmrkcxWJ5NnT3rN3hsXpJHPXVu0DE7cEU+3nz1JzTtUuCx68k889ajtlCqO9dSd4XZzPSVkasDk1fDbo+lZcLc9O9aluf3fPpXLVXU6YMhbdio2BT1NTv8p6VC79c1MWUyMzbQfUVXZySSeuac7Yy3pUBk+Y+lbRSMmyTPOTTl+/zyfaod5PapUPQd6oknjOKuRPjHFU06e9WI+1YzV0axLnmg9TTucZFVk+8Ksq3GPwNc5smSIm7qOexPanH5VOM5xjg800OeMCm3GY1B9eKktaEe8Z+UYHuaXcSRjA+lR9s0ofKFR3pkXHM4ByD+NQgbpNx5Gacx24z0piglsCmJsthElI7H1FLBEFkLE5UdM1EpYfdzVhUCxgOaTLVmV7jLbh2756VUS7EBaTPzYO2lvLtQxRc1kvIW71rTp33JrVNbIW/nErLt6A1UqYqG5NQ11xSSsjik23cKKKWqEORTnNa2mTBCd3YdfSs2Jc9auW/B9qzmrqxcNHc0vNMjEryM8VIFLfeqCNhtqUS44FcbVmdSZMGC8DrT1bnmq5bHJpk0xSBmBwQuRzStcq43UpgkPy7Rk4rnLiQPITnPpVm8uTLms5zlq7aNOxyVp3Actz61KvFRjGaUv6V1S7HMh5fFVp3PlHnFI8vP0qKV/wB2aqFPqKUiArzSUbuKSus5RxHFNp+QF96ZQgYEVGfvAU4tSMKocRwGaljjLt0zUC8jOakjYq2M59aTuN76locDrn3qeFstz6cVV3ZINXNyiHJGD/OuaeiNo7jbk7o949hxUUce5c96c8o8koed3T2p1seikflUxvGLG9WRhcErjnNTRHYuDwTSBcyg+lC/64n0PQ0N3VhpWZdTaF6r15z3oqsuWGc/maKw5GacyKpO5snoOlBxn2qQxFRTo495rq5kkY2INgPamFT2q7JFjAUdRmohCzngUKaYOJWBKnmpFbI4PepHgZPvCmLbu+WjHSqumibNEqSkEc1K0zSADOfxqluw3PFSI+CMVnKmty1JmvbP8yg+1aFzP5duCvyjODWXa3CqoyuT9K0HCzx/N1xxXDOOup1wehiXspluEA9OlWrXBcZ6VQmBW6wBjA71PG7LyD7V0uPuKxhf3tTXDxh1C4x3q4JQsY5xWCjPndVoTl1CntXLKFzeM0agk3oCefeoWweBTd22H8KgkkZVPpURjZ6GjloRSyBpCg57fWoCcSDPSmFwWprudwz1wcVukYNloEbuDmplXkGqycdeRU6Mc5xikxonHXripkY5GKr5GetTxkEdyc1mzRFlQfxqdSB71W34GakQ4auZo2RdUrj3qOYFo3brjqaiD1IZlSJi3QVBdykZsLt70qnjHvVYSbnJ6ZyRU0Zwuetb8mhlfUnCs3X9amUpEozjPvUAJAqGacH5Senb1rOzehV0i39qiTnrVa71AlCseFHc5qi84A4qu7bmHOcVrGkupDqPoLJIXPWq5Y1KelMVSG+hroWhg3cZzmkpSKO9USGKcFoAp4PpSAkTpU0Z61CgqVVJ5zUstFlJfU4qUSjHyj8aqqO3r60ryeWP5Vm4pmiky0ZAvLnrVK7uiyMgOM8daieUt83PFVJH5P6U401cmUyOZsY55qEUO3OTzTPM4rtjFpHLJ6j/AK1DLJgcHimySHNQu5PBFaxgZylYXdmmu2VxTVODRjHWtrGNxKKSirELSYJpR3z6cVLGny7jSvYFqQEYPNI3Ip8n3zUbHjHehFDkHy/jT9uelMXpVuyj3zDccL3zRJ2Vwtd2I1DL1GKmUPJ8vY+lKwzJjt6ipoFPQetYOSauaKLTsLFZknJUtjsasW0A89uNoxkipbYqEYFSdw+9jOKW3kUTMH43LgVyyqSdzojBKxVlTyrhgOxqF+JPw5qe6JErE9M8c1VJLtx1NaQu0iZaMUP6k/gTRVqHTjJGGYkZ6cUU7w7k2kStB8n4VBB8kh/Kr7fcP0ql/wAtW+tYRbtY1krF6OEOcnr0oNqFYFOoOafb9BU/c/Ss7tGiSaI3tFkQFhjac1RVRBcEKPlI7+tbTfdNZlx/rh9aUZN6DlFLUo3UELgsoZX9uhrPB2N7VpS/6z8DWfJ1/Gu2i21ZnLUSvdF20O7BHStBphsODgisuw+9+FWm+8awqL3jWm/dKNw3+lBh+NPik4+b1qG4/wBaaXv+NbpJwRk37xqQum05HGKjY7G+Xn0qCPpU3p9K5mrM2vdCi9Ct85qdLhZ4zyMd6x7j/XD6VNB/q3+lXKmlHmJjN3sTzMqsQvOPSomctg0z+I0tVBaCk9SzHL8pJ9asJLux9Oazov8AU1ah6ms5RsVFmguB0p4fnIpifdNCd6yNiZW4A757Cpkc4561WT7351MvT8KiSRSZOGqC8nwoRc9eee1SdqqT/wCt/Gs4xXMW3ZCpjGCccc09W2qB3qGP/WH6mpD/AKz8a2MybzCBnNUJHJJIPU1Zf7v4VTP3fxpRSQSbGM2Bk/nSIc5NK33D9ab/AMsx/nvWpkPopPSg9aQxj4DCkAJPApf4xT6ZPURUx1p+KBRSKJelIW49qQ0nZvqKBkhlCqMGq7zZ46+lK33R9agP3fxoSE2K0uMgelVZJcmnHoPpUDfeNbwirmMpMR3OBmms2OlI/wB2m10pGLY7g/WmMuaWkNUiXqQng0ZoPWitDMSiilX7w+tMB4j6etSdFP60goH+rP8Au/0rNstIgZssc1G33hTz1ph+8K0Eh4Hb0q1aIzyBV79eaqjrWppf/HwlRN2iylrJCyQMjgHJxT4PlYeueBVyT7z/APAqpQfeFcfM5ROhxsy4qMY32Hg/h0qkzMsmehFaUXf/AHKzrj/WtWcPisXLa5HLIXJz+XpU1rHwXI6Cq38X41aj/wBX+BraXuw0M1rLUtIrSKGdo19A5GaKjbon+7RXI3qdCWh//9k=)

 ![A picture containing mountain

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAeAB4AAD/4REERXhpZgAATU0AKgAAAAgABAE7AAIAAAATAAAISodpAAQAAAABAAAIXpydAAEAAAAmAAAQ1uocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFNvcGhpZSBBcmdldHNpbmdlcgAAAAWQAwACAAAAFAAAEKyQBAACAAAAFAAAEMCSkQACAAAAAzYwAACSkgACAAAAAzYwAADqHAAHAAAIDAAACKAAAAAAHOoAAAAIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAyMDIwOjA0OjAxIDA4OjMwOjM5ADIwMjA6MDQ6MDEgMDg6MzA6MzkAAABTAG8AcABoAGkAZQAgAEEAcgBnAGUAdABzAGkAbgBnAGUAcgAAAP/hCyVodHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLjAvADw/eHBhY2tldCBiZWdpbj0n77u/JyBpZD0nVzVNME1wQ2VoaUh6cmVTek5UY3prYzlkJz8+DQo8eDp4bXBtZXRhIHhtbG5zOng9ImFkb2JlOm5zOm1ldGEvIj48cmRmOlJERiB4bWxuczpyZGY9Imh0dHA6Ly93d3cudzMub3JnLzE5OTkvMDIvMjItcmRmLXN5bnRheC1ucyMiPjxyZGY6RGVzY3JpcHRpb24gcmRmOmFib3V0PSJ1dWlkOmZhZjViZGQ1LWJhM2QtMTFkYS1hZDMxLWQzM2Q3NTE4MmYxYiIgeG1sbnM6ZGM9Imh0dHA6Ly9wdXJsLm9yZy9kYy9lbGVtZW50cy8xLjEvIi8+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczp4bXA9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8iPjx4bXA6Q3JlYXRlRGF0ZT4yMDIwLTA0LTAxVDA4OjMwOjM5LjU5NzwveG1wOkNyZWF0ZURhdGU+PC9yZGY6RGVzY3JpcHRpb24+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iPjxkYzpjcmVhdG9yPjxyZGY6U2VxIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpsaT5Tb3BoaWUgQXJnZXRzaW5nZXI8L3JkZjpsaT48L3JkZjpTZXE+DQoJCQk8L2RjOmNyZWF0b3I+PC9yZGY6RGVzY3JpcHRpb24+PC9yZGY6UkRGPjwveDp4bXBtZXRhPg0KICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICA8P3hwYWNrZXQgZW5kPSd3Jz8+/9sAQwAHBQUGBQQHBgUGCAcHCAoRCwoJCQoVDxAMERgVGhkYFRgXGx4nIRsdJR0XGCIuIiUoKSssKxogLzMvKjInKisq/9sAQwEHCAgKCQoUCwsUKhwYHCoqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioq/8AAEQgCiwIJAwEiAAIRAQMRAf/EAB8AAAEFAQEBAQEBAAAAAAAAAAABAgMEBQYHCAkKC//EALUQAAIBAwMCBAMFBQQEAAABfQECAwAEEQUSITFBBhNRYQcicRQygZGhCCNCscEVUtHwJDNicoIJChYXGBkaJSYnKCkqNDU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6g4SFhoeIiYqSk5SVlpeYmZqio6Slpqeoqaqys7S1tre4ubrCw8TFxsfIycrS09TV1tfY2drh4uPk5ebn6Onq8fLz9PX29/j5+v/EAB8BAAMBAQEBAQEBAQEAAAAAAAABAgMEBQYHCAkKC//EALURAAIBAgQEAwQHBQQEAAECdwABAgMRBAUhMQYSQVEHYXETIjKBCBRCkaGxwQkjM1LwFWJy0QoWJDThJfEXGBkaJicoKSo1Njc4OTpDREVGR0hJSlNUVVZXWFlaY2RlZmdoaWpzdHV2d3h5eoKDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uLj5OXm5+jp6vLz9PX29/j5+v/aAAwDAQACEQMRAD8AguP+PqX/AHz/ADqOpLk/6VL/AL5/nUXWvbPPCkpcUu2gBtLilAooASlopaAExmhRzS0g6GgAP3TTaU9D9KSgApQKAKdQAlLiiigQ0f1pcUUtAxAKD2paKBCUtFFABiiiigAoopQKYCUuKXFLinYBAKXFAFOC+tOxNxuKeox1pQuKdjirSJbGAetLjPelIxilSnYVxRTwKVVHWlxWiRDYgFPA9KAtPC1aRDYiilKelLjHSnKuelWkQ2MAI4NPA5prZDCpEHGapIVwCcUMuKmXG3FRy4PSqsZ3K7n0pm3mpWGMCgLntWbRqmNVaMcVJjNBXFHKHMQEUgX1qUrimHpUtFJkRHNNIp5FGKhotMjC0pGKeFofjilyjuQkU3FPI9KYazaLTGMKYac3FN7VlI0Q2ilpKgoDSUUUhhRRRQAUUUUAT3P/AB9S/wC+f51HUlx/x9S/75/nTAKoQdKKKKBBRRRQAUUUUAFFFFADW6GlAoPSloGFFFFAgooooAKKKKACiiigAoopcUwExS44paKdgEApaKcBTEIBSgUoFOxVJE3EAqRFycU0CnYNWkS2OIAOBzRige1O2nqauxFxrDNNTG4dvepNuaay44oaBMlUcZpQu7pSA5AA9KljHGPWtImbGKOeKmAzgVGvysamVh95jz2rSKM5MCnB4oXA+9Uq7pMhRyTmmbNkm1+1XYi5G65yR+FJGV/iwPfHStEW4kT5eKoTwmJvapur6DXYkG0R9eT0oWIlsmlgKs48w8dAKvvEDgChySFYy502MBT44y+AOpp14VFwigjOOgqW2kVJRn9KN9R30Gm3ZeoxTDHzzWkxDZKjtUQti3JqVNdRWM2QAe1QNV+eArVJh81U9VdFRZFjJpStPC5pxSs7GlxigYqNk5OKm20jAUWC+pXYYHPWoG71akGe1Vn4NYyVjaLITSGnGkNc7NkNpDS0hqChKKKKQw9OfwooooAKKKKALFx/x9S/75/nUdSXH/H1L/vn+dR1ZIUUUUAFFFFIAooooAKKKAM0wClxxmgj1pSaLAJigil60UxCUlLRQMSilooASlxS0UWAMUUtFMVwxRS4pdtOwhop4FKopwFUkS2AFOxTgpxT1jOORWiiQ5EeKdinFDmnFMVfKRzEYHPFS7crz0pVQ08ITxnpVJEtkWM04pnqMU/bs60Hc3biq5SeYgTiXb0FWEZFY8jOOvpUMkfIK+lKORjGOOaS0Y3qhyfvJCxPHQDuanVAPvDilgR2UBQDjnFX4YPNKqwCE8e1XdLVmT7FWFd0mVyRUsqAYBT/AIFjmmzx/ZLoAOGAPapp7pGQBR8xHPHShu9mhWJRbYjLBtw9c9aq3bwrFtJ3NngColLA/KxGfSoZVKH5jmkou+oXIw+056VILh0z5bkEjB9qgbrn8qBz1qrlWuODmSUsVCjGBirEfykEdahQetSA8gDrTQma9vNC21X+UDqc0y51SCIlYAXP949Kob2h5xzjuKrE72JP4ms/Zq9w5h8tzLcMc96j24FSAHbkdKAhLc8VpbQBoWnkYWrAtT5YYEYqCUMvB45oVhNke3vUeMtinPIBwDzURfDZNJ2LVwlwq1Sbk1LI+TUJNc9Ro3ghppppxprVzM6EMNJSmge9ZliUUZzRSAKKKKACilxSUAWLj/j6l/3z/Oo6luP+PqX/AHz/ADqKrJCiiimAUUUUgCiiikAU4cCkFLVIBp5pTRgUtAgFFFFMAxSUtGKACilx60oFAhAKXFKBk+1LTsITFKFpcUoFVYVxAPWnYAHHWgLml21SRLYg4qVQT246U1VA7VIvJ56DtVxRLY8YzxkDpSluePwpBzyOB2pwXHFapGTEGe9Ob7o+tLjCmgberflmrSJBQTwOc+lSoh6Zxz0pn3W+XimjJJJJGfQ801oS9R9wuz5V43c8nnr1pAW8vCDk9/Sl2ASFpAxJHfvRBtEwLjKjv6UxLYuRWEU0JYychfyNZts0c0CSLwHUN+BGau6pchYHtLBl3zrh5AvCAjt74qiuVXCHbz6VG+rKRYUlc7Tg1YbU7hSBGqkgABiOlUkOOtOqrJ7iJS1xdzZfbn/ZGKlMRQZOcZ6022l2HHH40+UFhktnHoeKNtESxqAtzTbhVx3LdyTxVy2iM6rHGOQMs1V5I2Zj8pIHoKL62EUD2NSQqC2W6VEBuZvZiP1q3bwBhjcNx6Cl1NL6CAIWPlg47bhU0MDM27bwPQVPFbYYKwwvqRXQWNqMCPYu1hwT/OoqVVBCjFyZz15EvATdI+OSegqgRtbB/Kuwv9N+z22AoDN3xya5a6QR3HT68VNGqqi0HKLi9SeK08y3MjNjFSLaDaAeSec+lSWk4eHy8Z9SelQahchcLGcADkg9apylzcpNla4k13HbAxodxH5VmS3DSsS2Bz2qJn3Me9Jniq0RSjcXPeo2agtxxUbHNZuRqojXNMzmlJ9ab1xjpWEmbxQlIadTayZaGN1pDyMUrdaSoZYUUUUgCl7UAZoNABux0puDS0UAWbj/AI+pf98/zqIVLcf8fUv++f51F3rQkXFBoooASiig8Y9c0gClxRRTAWiiimIKKO1FAC9BQaKKYgxS0Y4pcZNOwgxS4pT+tAHFOwrgBShc0u0mnYqkhXG7aAMU8ClxVWJuJ0pc04JntShRVJE3ADNGMGpNvpgUucHIq7EXFAxxjkUUKSGoYgtwO1WjNkgGR0zTXTbgnv7dKMv0DECpC6eSfMYgKMkkfoKsl3Q0bcbmNOEbNlkBA7GoFBYf0NOYM2N/T0FAE0LQKC9w5UHqcEk05mSaIyQoURT1fjjtx6moMAdqVjJInlB8J3GKAsNgt/MO5c9KZ9OlXN6RQlUPzbSMgfd4qqQAi4pNDT1BTz9KkAzTEGGGBn2FTrHJI5+Xb7A9BQgZGRg4NSeczKsMSKFA5OOSTT/IUqArBSBlyx6dgKZHIYnJ4Y9sinoSaB3WEAYEbnXgbscHjPFUJb91jCjcWJJJGBmmTSyTSbpGy2No46CotoLAntUqPV7jGwqzH5+rEk4+tW42CSAld3se9MQbGBI4AFTRLvcEZJJqkJmhC0twQXCoq9FUV01i8cGntJLghVyTjn6CsSJ440ChRzjJ7mk1PV4Y7YW8KMxx8zBuBXm1k5+7FHRTajqyxqGrRzPvyypjA56CuXmdZrx2DEqvTNMlkeTluB6VGH2rxXXRoqkjOc3Nmnb3VvbIWdcseFA7ms69k3yds9wO1RbmLZqNieScmtHZO5KTG7sZzUbSE8AUhJYntSqueBWLkdCQgBPU0pWpVTH1pr8dqVh3ID3pmOaeaYaxkaoTNJmiisyxhpKWkqWUFFFFIBR0NHagUmOaYAOlFFFICzcf8fMv++f51H61Jc/8fUn++f51HWhItJS0lMQlKeo+tFFIYtFFFMQUUUooAQ9DRTqTpTEGKcB60gp6rmmhCdaco5pQKP4qqxNwxSgZNKo7npT1x3NWkTcMcUAU7rSnCjnrV2IuMxzinKvNKo7/AIU8DFOwrhtz0pqj5qeQccfjSqBtxV2IuKF5PNP6DAFNiBZlVV3MexNPdgrEfebOMCrSIbIBkdetKhwTx94/pTyrMfmGOc/hTW46Uhj3kywVQFH5k0mM9aRfvZPpTyyHhN2e+RT3FsOBBdABgdCam8uKb/UyLj1Y4BPtnrVYj1FDJGy/vArc8KRmmSxGAV2UMDtODg5py8ZoQIG5AVfbtTQwOSBxnigY7GetNcZXj8KcoOPepDC+37p/KmIhwUwfXmtOzvI4rctIrkZwduM/r1NMgs3ubGSQlQkfPPaqKIGkAJ6HFZtKWhXmWZrnzZcwxGKNT8ik8n3qvISZcsxZmGTntVq7iSAx7HySKrBSSW9quNraE9RoxjczfSp4LSRz8wxmi0iMtwiLjPbNWrh2WRV80smecDANJvWwFmLTMw4kKq/U5boKiu3t4AsccyMw67eaqXNyXkYAsVxjk8mqrMOwGazUZt3bHddCY3Tq2VPPaoWPIJ+Zicsab9TTWcsdoNa6IVmIQ8z5JwB+Qo8v3GacWAXAOPU1GD6cD+dSy0MY7PU1C8hPypxUxbGcdTSpncCMZ7Vm7misQLGeh/Wp1QL0p6QnO5myT7U9gBwKSiNyGYAqvMRnipJJAoqqz7zTlZIUbthUbdakpjd65mdCGUhpTSHpWTNBtJmlNJUlBRRRSAUdaT+KigcUAKxwKTNBOe1FAFmf/j7k/wB8/wA6jqSf/j7k/wB8/wA6jrREhRRRTEFLRRQAUUUUAFLQKXqaaEApcc0uAB1pdpqhCewqQDCnH501fvYxUjAhcZ+Y9KqKJbBAMUuPmFOC4GBzgc0oUsxzWiRm2N4yO9SLFuHIpFxTvMOeKpIlsjbKNgHNKgycscmlK5bmhflanYRIop+Ox4pi855xikAznJJq0Qx2cg4P4il24UmgMFAGOn603k57Z9KYh4UBcdzSJmI5jPPvzSKMt8oye2akWIj3NMQ0+ZI7s7lnfjjgAegppQrkdSOtPZXQ8cVHIz7WAwCxAzk5xnnvQAq0+kACr60tJAwznrScHrTsZ6c0mMVQhxI6KKQDLGjOPrQPzpiL2nwxyzASkAfStq7vLK0sR5SLI3l4BK8c/qa56J5YRvTj3NE07SWqRk5w396sKlNza10KjJIZJcSyWZhJMSO29lQ4z7VGo2jPepoYBK+GdUCjqxwKcYGLAIM84BxjNbaLQnUiCgvliT9f8+1OZ9qsqAEtwc9qV4ZE5ZetOcx+QiRREMPvvng0xFyxhWzhS6lySeFXH3qjuXku90j4SMccDAqaLy5Y8zSsXVflH8Kiq13NHHGU3K4P3evWsN5+ZfQpuQMgGoxgKSTUZbcxxQeFBJGB61q2CQPk/e+UUblXgUCN2G5unqaUIB71JQ0vnsaadx6CpCM9KeBt4FIeiI1QDJJ3HvQGCtkDP0qSeJY1HmYYkAhR1/GofoKLWBO48zccD9KrS3DE7Yxz608xOyk/dHrU1nbB24GaTk9kVZLVlRLaSQ7pMn2qWVFjIRF5xya0JnjgO0EMw7L0FUXJZifzpOGl2Cnd2RXYYFQmppGB/OoWrnkjeIhpppxGaQjFZM1GUlONJUMoSiiikAUUUUAFFFFAFmf/AI+pf98/zqOpbj/j6l/3z/Oo60IExS0UUwCiinAYGe9ADaKWnovc07CuIBS4xzihiS3t2paqxNwA9af34pNvAFLgr1qkSwC/P9acBlslue1JnNPjxg9OTirRLZIidgaRm2tgfePU+lIxxkKSAfSmoVHArQzHqgAA7elPwBSKc5p+B2qkiWxtPjTcCfSmsCvXpSdc/MQoPbvTENbGeKcv95iT7UiJ3x9M9qft4+Y4H1oGJ+AA9qeHPyqOmefenLFu5X7o4J6CnIo84gDHHFUkyLoaZDwAoHqccmpjdptCsCzEj5gOFFPEHmNtUqwBwSppTZSIyjgMx+UHvTuiSCe48zO2MBQcKO+PWq45bNWp7k/Z/IESl93zPnGMdsVXTBb6UhofjpShCMluMDNLycDjHucUqbFkzISV77efyp2FcsRmOKHeIyz/AO10qqwO0yP1Y8AnpUsk4lcCNSkYPCk02aVGVVSMludzZwPyoQEZPHTtxTovvZPNNPvUqIPLLMyqOOScUwJriZPICEYfGVRDnHuak02y+13IDdAM1TAVnGz7pxzWpLN5Nqq2p27jtLjg9OlZyvFadQWrFuktIL5VhDOQMsCODzWs1xZKsc0qHeQBtXpgCudB75/Gp4LmONt0+6QKOFBxWE6cnFalxkky/NCL3M9w32W2QkRxryXHqe9Ylw0bT4iTao9Tmn3l08zcudueFzUUdtNMDsVj6mtaUXFXbFJp7DXl2RHB7EVWy0hBIwB0qwYt3UnApQAvJ5P8q1sSrDEtwqAtkCmEqZAOir1qQkCPJxnp1qOMBpOTgZ5NDWg02xdjOxYjHcZoZdo5rWJDWXnRRAnBBZhgD3NY24ySNht/PJ7fh7VKaYxRw3FTQIGceY2Fzzx1qLgZ3cACn7XdQI1Y8U0DGXAiWUiFScnl24qItnp+dSzW8sY/esfoepqNU+Uk8CpZURhdim0dM1JGr4wCVyO3WmxLvbirkUJ2krwVHJJpK7Y20kVhEE6jb7mmSFUx71ZuT8qbQWIGWY9BWdKBJJiPsOT705aIUdSKRkLsIuQD1xTDUhXFRYz/AIVySep1xWgtIelSiI9/yprrtbHes7FXIjTcd81Iy8c0jLkcVLRVyOinFMDgc0hGOtQUJRRRQAUUUUAWrj/j6l/3z/Oo6kuP+PqX/fP86jxWpAUc0U5BlhmgBMY60vXNOoA5qrEjcU8fypcAUg6H1p2FccABS59BSYPc4oAzVkj1OFoOdoJ9OlA4wKccs3sBVohidVGT9BSK2ORTiMKKFTdRYBv32x271OsYGDTAmOlSK/B7kdhVLzJfkIBtbP6UF2LAbcc8nNSAbBl+abIQzAD8a0sZ3GSbfMUltzHoPQU9ge/Az+dJ8pfCjC+p6mgt8xIBJ7ZPSgY8bupOAPSgEKGIzgdyOv0pCS2M0mKZJK0xOxV65yTjoMULM3ntMNyjaFCkehJ/XNN+gwKXpVXJsP8AtUox5aqhPVgDn2701nZnLszMxGNxNIKXA64GfXFADVjC/dGPpSgY7UtKTngLzTFcSgD86BSjOeOtAAODT55ImZIoS3TdJxj149+1LLD5OA5+bGSB2qL1xQIUk0uPlGfqKbSjrQMeBlxk4qaSVQo28MOM87j/AICoMtkk5B6c0nehq4h27sOn1oDEc0hGOtK0jMAAq4HemIaSWbJq0b2RLXyEJQtgfJ1qsM9u1XLeNRbs7xrwNxdjUTtbUavcgBCxCNVYkDAJPAFRyfLya0pbyytwpjhaWXbk9hnn9PwrLuJJJmUFEj7kJnA/OlGV+g2iIngg5POcCpfLEMSs3JPahIf9oDjPNRS89WLHtVD8h1xdSzWy2w4TduODTcLEoAIz6CljTPPpT/LWE+ZN09+9IewxNynew9x6VI95clV+cgZ6LwMVCDLcylmGAT8qjsKfJGySEStzjhR2oAhaW5lZmlk3552gYA/Lk/jTSrbfmJqSQv5aoigAn5m749KSXkEn0wKllIdDGxj4JUdzSmdY8nOQO/WoHzIqqThF7DuaQgKMDrSTshuNxW3yQ7nBQFR8ueaaBiHPenO+IiTzxhR6mq/mHcATx1NTKXcqMew2VtseaeieVbgkfM3rTHYOyjHen3Ep4wc+mRWLV2bLYVpQi4z8x6+1QEc5J60qRPL1p8sSwY3MN7dgKndaD2ZGBk+386Xvz1oB28gZppO2Pc3UnoKksWV1hQEt8xHQdqrqSeW6mhkZpN0gwB0FLWcmUkFFFFQUFFFFAFucf6TLn++f51HUtx/x9S/75/nUeK2sZiDrSrw1GDS7aYC0q9aCeB3PpSr6Hg+lUSIaVRmldgvA5JpVUjGR1qrEhTlG080btv1pBzVEjlJY8cmnldvUfrQOM0zdz93OOgNUiRQN74BFSIvJ28j1PFIE8tBuI3HqaFU7cjNUiWPUAs57D360jDaxOO9IDgYAySadtBPzVRIO7SHCDao6Z5JoAA6Ck4J44pQM8UxCgfNQQPxpQMHilA3Ek9KAAD8s0u0mgDinA461RIn1pTjPFIG+VifwpVP4fWmIAQG9aTdSijHFMQZ9aVcbhu6Zo4/yKWOMueOMdTQAkrxtJiAEqByx70AkEEdaUqAPvc+lJkAcnmgAG0Z3ZZickk0mefc84oAJA4pw2g80CFSNnbCjJp7R+TJ869MEjOM+1SG6WFT9nMYfuSdxz7VW7ZJJJ6mktwF3uwy/H+yvQUq4HLdBTeo608JnFUAO3mykgYGcAUrJg+vFIuFYZqU3UamTy4N+4YBboKWwEIOP61K8mYgucKDkgd6g3Fj0x9KGbPAJ96HqA8Y8wOwyO/vSAg7nc8scEHn8KH+WInGWxxSKFyuccDA9qYCncxdiMKT8o9sd/wAc1C4w4qSSZUYqp3bTjio1DOxdx9BSew1uTKBwM5J7UpgWW5RN245556U0DvSqrE/JkmjoD3NW9ksNIjXpLIf4I+cnsDWda2lxqEklw6BN53EDt7VLp+jNeXpdwXkz95zn8vStTUrmHSUFpDIwnX77KvQ+n5VzOXJpe7LSvr0MK+heGQCTMaDhVJ5b3xVRz8vNIXkkcyTOWdupPWopHOCBWremo4oUNhc5pjNzxQELLzwBTG3fSsXI2SEYFwvXv3pBgcAc09IWkX7xwOOtSMoiTAHPrUasvREAVi3yDn1pGjwdztkjoKsop3YY4JHSkhXZN0BOO/alyj5gWSVgAibQB96q7jMzHYS3djWgLR8YOSe+KguIymN5wo6IB1PqavldjPmTY2K3eTkDNPnjVNsYALE4pEeRI/3fG6mGZvOw8ZGOC2aUYxtqNt3IJ1K8ntUFOu5kLeXHl2P6U2ueokmbwbaCiiisywooooAuXAzdS/75/nTD04qSf/j5l/3z/OmV0GQirgepNObgYHWj7o96GHQD6k+lMVwQ7aPmJBUY980i8tTmO4gChCY0ALIDncae3mH5m+RfbrSoABnv2px5A9KpITY0bTnA49TzT0UbaaWG8KDnjnjpTgeKpEsCT0yT60Dg4HPOTx1oAJ79aeAB/jVEiH5myQelS54HXgU09fWnVaIYqj0pKUH1pQuTxVEihMqSeB60m3HelO5wOflB6DvTqdhXGM3AAUn1OaVeacVzTB14oEPGMn2pWxxjPvTQMd80pHzAZ/CqELjOBjrRig5FHQcUAJg9qUYP3qKTgUxC5pQ5UHZjJ9aTH979KP0NACEknkjJ9Kcq9AOppQh/P1pShHLAkd+KAJ0jRFzvVpSPkiUbmPvgdBweTTksZpMNIm0McDio4boW6nbG5ZhgGPC496sw61cLKN5IQdmUHb+Hf86zk5rZDVupUmhMOQV5HqOlRZz2OKkeXzxuldQGOdo5P41GPm6DFWr21JFWlYBeN3zZxgdqd8qoS2Txxj1pnTpVAFGdvIGfrSgZNEoUYVTn1NAhnP8AEcnvRTl657A01n3MSM0igbJOD2oJ25zx60fMCcYz6kU5Pl4ADM38RGT+FAEUSGWcHGRnpVuS3kSPzJARup1pbmW+EbMEYEA5PSpr1X83azFlVuM1HNZ2H0KoQ8fyrX06OFVUyR726jjpTLPTnu23LyoPJroV0SKK0EkkqRqBksTjArCvWjFWuXCDk9Bkl1ZabGgAImmPG3GQO59ulchqmq2s0rJa2zM2fmkeTOT61NqcRZnlh8wx5++w69awzhcqvP8AWs6NJL943cuUr+6kBcmmqpZuBk07Zxlvyp8UzwqTGATg8EVs9WNaIHKooULhu9VnYAHccf1p6Z2lpmG7qSe5pkShiWK59qmXkVEVFyvOanWDe3ypxjPJyTUeD06VbSCbyuC0anqwNKCHJ9SO4QWkoLHLADg96hRgrLjJOcs1WprCKBPNB3MTud5Gyfy7VT3IZEGM88tmrkrERdzXt7rzfvIzogziNfvH696zrs3FwXnmiWFMfiSTTzIkQbzHk46JGeaqXE0twqQeYRCrq7KTknacgZ+tW2ramaT5tCdh5PksWzkHC1Uy8zY3febtU0peX984Cg/Kgxngf/rpkbeW+QKwlorI3jqyrMgjuNiqF2g59SaQn5aWTcZt2zaCTyTkt70EYrmn8R0R2EoooqCgoopaALtxxcS4/vn+dMX1qWcf6TJ3Jc4/OmAYHvXSkYthjnmkYhI2YDpRnB9zUbHcw443GmSOQYXnk1IB2HXvTV6fSnqePfNNIGNA2kAGnlhgdM0h6U3kr14BqtidxQfmP1pwyeBSKMVIv3vloQMAp+lOHWlAwCTycUg+ma0sZ3A9acBwCaULg/MPwpTnvVEsUAYbJx9acvTJ/AUgHGOp+tOVGD4XqP0qkSxxG2ML0O7pRxyTTAdoAAYnJyTTqsjUXOevNRR8n0HtT2PUd/pTANpyemaTGh/bI/OkAxTuSMZwB7UY/lSATBxx+poyAKKUfKeRTATk+wpwX5c00Hexz0p2Tjg4piEpyABhngfSmqOgHJpQcE7RgDvQIm8xTgmRQF7NxntTp7hGtyhVnbrgfKPp71DuJ6cD6VGB2xQ0A/PHXt2FLgZ+Y4A680hwOnX1zSdDzwMdKYBjHIFAOF5pM5HGc0vWgBBywz606jFIcrQA5WUH5ske1NyZGzjAJ4FAbHUZoLEt2HHbtQBKVjW2JJ3P1Az096hQb2yeB7UrrgAAfeHegRyHCgE8dAKQxUDSN8iEjsDUkMTv83PXt0q1ZWD/AGuMSRnAGdma6iPT7YMrsFhBHzAr1/CsKleNPcuMHLY52zsJpr3zQpxuALY9AB/StO/so2ljEWWwRuOOBVnUZFjieOykMaL2xt3cdQfSsNL3D4lZiq/McHI47VzKcqr5o9DRxUNGdhY6fHbQ7nkVQ5wCSBmo9avrWGOO1kKSufmWLscdM1gxakzzqULNtGFHPBqvq2tSWgYNZq88gxyh544rjlRqSnqbxqQjHQpeIL2ecIZ9qIW+VYvu45rDRSTz3qytpPcyK8qnIIyBzTprWQHKxlF6LnqfevVjT5Y8qObmTd2VpiPO2AghQOlKpWJS0gJbHyj396dG8VvGXK75CeM/zqC4uzcTLFDGN3dgelHmV5ERkWRiI337ThmHTNSRqOhHHYChVA+VecdT61PED2T6n0rPdmmyLNrZLKNxO0+p4FXry2MVuio+/AzwRgmq9sgLIzsoAPCbufyrU+zpPBJMUOAMgGtG+WzOdtt2ObmgWUnzOcnkA5zTDF8oKjaoPUnmrcihSdqkfUYqC4GxOW4HpVSVyouxWDfKzDktwOKVx5cOMhS3XA5NMHTmnv5cYDOMseig9PrWFzewyV8sAoAC8ZzyTT0RE+9liBzzUIk3uCRtVfQcmntMUclgMAcIf61N11KsQz4EgAXBzyQc0w57YpCzO+TwPQUtYzs3oaR2Eoo70VmWFFFLigDRuOLmTHXcf51FnnA/GnXR/wBLkx/fY/rUQHqfc5rrOcM/e9TxQRSgYFFIB/RQKMgAj86aOfwpwGcYHfmmhMcR82B2FG3bS9M+/WnNwM9KuxNxAO3enLG2cKMmhRhdx79KduO0heCeM46VSRLY0Zbrzk44qZY8DJyTUYXbgjoKk3HaQOtWiWKB+8/SiUfifYdKOAVxySck+lOc7iccelWZjVyPu80LkcYPJ5NKg9TxT227Bg8noKEDGc8dqUknjoKKSmAYpMHcPY5p1FIBxIC/McUwEk88D0qRYmcFuwHYUymIemN/alkkBqOk20XFYAcjinCnIvIB6+lTSwFYgV5yc0DI42blYkyxGPpTjA0bbHBDHHB70yKV4W3RkBuxI6U9pySDuaR/vM565p63JGzosb7d28j7wHRfbPrUajPAGP6UmO3YHoOlLQMPlAPQkelHrR04x+Ao6AmgApckUnanjHlsdpJ9fSgB0Rj3DzSQPXGafLFuG5QcdiRinNavHbidhuDDgCoZb2V1CbR7k4pX7AMHHOOKQHOSP0poBP3/AJm96lD7FKIoMjfxE/d96YCI7rN5h5ZRgA9BT3nkafeNqHr8tQjC5A55xn1peFxjqT+VAHTaRdbFMskPnMeXlL4NXrvUjeA4LLFGPkjTqx9zXMWVxFG4N0d6DpGD941fu76NgPKTaSuQFbO38a8+tRvM3hUaiVb24kmm2HK8YyTyKhSFXmEUTb+mT7005G4gjLeozUx8uOzUDiZjy2cBRXVGKhHQxbuxz6jNaxmG2VEPeTq1VLSBjdGZVMsztlmc5xk/lUagNkgFiTgE8ACun0O1idkTAw+AWIPNE+WnFy6jV5OwlhZQpG8t7L9wFmVEJJ/KsjULu5kbe8KQBv8AVwk/MF7ZHauye6tQzRxRiOFf4zyWI/pmuT1qaCOVjbQtJKwy003Uk/0rho1vaVNTedPlgcwUByrnAHWn2lv528opVO26o5WYsVJ3HjJAxVqG48uNY41zk5Ymu1pOVhJtRuP+zGMZK/Ke/rWjZ2qXKFUVi+PlAXgmqb3M87AMdsajhABVmyu3hmDElVA4C1fLZaGTk3uatro5hjkeePJQY5Xqai1CJYrHZKW8xxwijoK3NPu57qxkmMrHaciMoMD8euayNZvyFIjssTbSBMzltvviuFVZyqcrRq4RUbowBCxkK4OR2qrfSLCNo+aRhwD2p0k08aP5MjK7ZBcdeapSF5Jt0jM31Nd0pJIyhFsDw2AcnAzTG+Z/epDhULMfy70nmLFDuKks3SuVnWiLIBIWm4JPOfxqWNGK5Ycnt6U8Lg+9Z2fQu5XKbVyTSYNT3CiNQXzljhRUR5FTKNhp3IyaKVuKSoLClopaQF64GbuUf7Z/nUe3J9h1qWb/AI+pv98/zqOuo5w6AfSmnAOBn8aeBk0mPX8aYhcHHPWnqeRk4UU0L3J+ualXbwCKpITEXrkdhQ4+UeppWxn5D944FHfJ/CrIJM/IAOwowE+Uenelxg0gGZiOwGTVogftAX5qaDknb/KnYL9Mn0oHy5zVWJuNUE+5pxVupzSx9c9OaXd94n14piG8swyNo6AChnBYBelBBbk0nCt+tADsYH40tNLgnn8qVSO9ACgZpQOfakB45oB/CmIcXPllTgj3ojTJ5ySe1NJ3NgDAzSltv3CQaYhzrtOKYOWwKFXHXrRna31pDNaxtkiha6nk8tF755qjPd/bMNGWjgAwid29zVdi8q7ZGO3+6DTgpJHQAelSo+9di6WA4BwDmkHBz/OlIw1J71YCsw6Kc+tABPSkp+QFwDliOPQUCGgfLxSl9owFyenHFI3HBG0dME5zSYoAcpVU53bsdqYWZsDcdvp60vbmk70DJJpZHjVcsqjgDdUYUjsfxoGSRzx6YpaNAA5XHPWkHy8Kee5HanbGPOKCD0oAao/H3qeO3aRQQMA/xGmBDt9/QVp6ZJDHuaRfmUcY7/Wpk+VXDdlCS0lhjR3UgP0BGD+VCAq3zA/lV+5kN3dGaQAckIo54z1qvOXcqpwFX0FRGbktRtWZEXzn+dMkbzAAThV6AVO0IVBzye1Vtm5tqitFZkktvCZW+9tjU5Yiur0hpiirA2BjBbHauetYG2Z2Z54z2robJZEj+fcqleCpxXJineNjaluVdUUsW2MdqnlvWuTu/wDj6YscnpXRPa3epuywyskKElj61iXUMNvM8MOZ5Q2M9h/jSwyUVbqFR3dzMc5yBwO5rTsIDKC20Iijue3cms6YESYYjd3A7VZgLtHjJ8vI+TdwfrW/2hv4dDp7axt5rc7WXZn5mIx+Ge9RvpLG4AiUkZ7dqp29zPKiRmMMifdVRiuhtbh5QIo0MKLzLI46D2rmqSqU3cIqMtCotrOYjBD0VsuQeOKyL9UiRg0zMQPuitufVrfYtvYKS0jYywwGX/69YGsCBcGN1diNxwemamjJyndoc0krIx3cH+AgVWbGeOtTSSBVbAJGeBVZm3c46101GOmhGy2AOlCqu/hefWnySQ20I35eVvuouDxUatjk5FYM3ROJV2kAHA7njNMLAMdxxUAz1PXOcGnLkMWc7uO9HMrWDlGuu+bcBk9z6UY4pCWYbScDuBTh0rNu7LWiI2BA+ppKsqqhGklO1F6mqvm+exZVKx/w57+9Q1pcafQWlzSUVJRozj/Sps/3z/Omgc/0p9yCLmXt85/nTAcDJ9a7EcwuMDsKaRiTBOT6elP2kNl+D2FQqcksO5/OmxIlGB1pe3401V6VIFLHApoTBEYncucjpSBWU8jp2qdf3akfypwU7ct37VfKQ5akOc5JOPapI1JDc43HrUIO48jAz69qnU/LlVPpVITJFBAwo69T6U0kUhclQPzNAUs5x+FaGQDgZNKPYfpSHJbHYVKjBRnn8qBsjBxQq5yacwJy/Rc8Z703tmgQY3dMU5Vz06Um3bHk9zTlk29qAFZQvb86aelG5nOTSkY60xDQOx6UoUZ6UpGOvekxngUBcDzwP0pMZbJPanFSMD17VJFCZBlRnFAEWRRuyRg/gKsNA5+RYyW9AKgddjFTnI6igBGbLenFANKVwvvjNNFADhwMn8KTdyccUElunSjpwPxNABjLDHHHSpVUGM7iVHrjiogcEngUE5wD90dfVvagQK2YyVKjI6sM4/8Ar1KkDysoiG7IzUXLOcj0wBWpp17Da/JsBLH53I+6KmTaV0NblZrYoq55Z1BCgdBV7TNIa7bLjYmM5IpovQl09wkBKNjG4dAOw/xqH7bdNbmIysinqAMVk5TcfdKsk9R1+scbtDaLvQHaZVOVY9wD7VDLa+SIw5AZzkr3Aqxp/mRt+5t/tDgjbuBbbVp7C5lu1+1hULEHYrZbHqf8PpSU3DRhZPVFFbQhXYSKqqMkk/kP/rVGABg9M+1ak+liGRQy43DOCefxxT1tMqZJyTGox0xnnFL2y3uHKzPLIq/K2OOoqFTlwTz9alMLTzfImAfugnoBV620vdGXkIUADnBp80Yq7CzbsZ0jMSWC/LjA5qKEhVO6r16Y4pJEhIOBtHfAz1qrDCGfB4yOtVCScbiasx6zOcANgDoM1fhuJJVELXBjQjDueSB6D3pj2USxhklUcchjzRHDmTYr/KTgsvJrGXJJFq6Jrkz6wrWWlK0FlAQjMPvSY65rIvbM28n2a0Ry+Pmk9K7m3FrY2Cxxjylbrx8zfQVQvvsQhOFK7yAR3b8fSuSniFCVkjolSco3PPSghmIjPmEZy2Mgmnwo20EjJ9cVLqEpmvW2oqRDKqE6YqS3vBHGIvLRtwx3yPevR3dzC/ul3T55IrgeQGeTtuPArdvNVRoVtrQncvMskZA3HGcepFYUdk9xGzQZ2EYbI/SkaPUIYZHgjRARy5P8sVFWnGo077Exm4iXkzA/vg3zDG8Daf0rJlkGHwWYsQBuPQU57V/MEkoJZh8v0pRZs2QvUDOAa0XuqyBK+rKZzjL557etI2AVXguVyQO1OuE2TYJyfc5NOSF1ZimA3AJ9PasJXvY6Y2sKkCoplk4UDlj0FQF/MfK7tvOAw/CpbpZtsYknRU7RjqeetRqMDA6scmpkkkOLbGtx9aYTkEVK2C2XbHHeolO7kdKzZoiRSiRcj5zwM0ixkmmmRVIHU9Saje5ZuF5PoKWltQ1uJdDz51jdf3cYzjPDH/OaKaibSSeWPU04nnjpUSd2WlYKKKXFSM0LnJupScffOPzpnJxjPHTFPuP+PqX/AH2/nTAu7r0zXYcwhzJ8o+7396eEH/1qcBgAAE+1OGcc9aqxN7CBcmnqQOg3H1NIKei4XP8ADwBVpENijlvSnk4QkntzQg3cAc0x9jMI0bcx4IBzitEZ7kQ+5wDgnqasIPlJPb16Cgx7QMr0HFJgngg+uBSSG2OwdvHHPpQScdaaXKpsXn1JpV4xxnFWSG3aB79Kk8wZx2BxyOtMyzZ4yfYUqqWOB19KBBNtD7Qdx46UjdhTgihjk9OtMZtz8dBQImgeKNHkmP3B8vc57YFQx7pDyMe1FOQkH5Rk0DJ/KCrk8cZ5NRHEjDYCR/exxU8Vs8xEtxINuQPmIH6VK8dsHyJQcEcAHmjmS0EQS2/lxgr87FsbuwFFqU+1jePkBqa4uVkDRxqAm7gjuagiVI7pVJ3KoBb8RnFJNtagMB86Z2wSe3HU1JFN5UwMJK47kUu7NxIyoq7l+Vcg4Hf6VAexP1zjFPdCLzahKARaxqpySXIyT7+1UDJ8pz1PJPUmn71VNo2qP5+1Rg7iWHTHU/zoUVHYerExnqOvt1qTyiEp8UYZlAPJ6/KeK1v7OZofMXLqcRoCMAn/ACamUlHca12MVchhwDSkHbmQ9B2GBVie3aK9Kd41/wA4FSXFr5MSGYFmcZVB1+vsKfMhFJBvfC56+mM07yjjJBApqh/MVSu04wQOtXLxttrHGQu8AkhTgAe5pt2Apg8ZGfalUdOST6UISBwM1ctLQyMC/Ge56U72VxDVikk+ZznGPwqytnI6b1Rio6tVm2Nr9o8tWyqEGR2BAJ9B6+tdGNlza+TbR7GI4+T9Tn8fxriq4jk2RtCnzHLWsrQEqCVVvvY710llMl5LHvQlVUKWAAqC70MxlFRT8xCj1J6n8qrrBNpkqs45U5wecVhUlCqrxeppFSg9djXmgtWEhkcoN20fLknA7D8qydTlRpbSOLd5Cgucrg5weo/Gp7a+8+4y+FReWduO3J+pzx/nOY9x9uvMpF5NunGSPmY+5rnpRlzWZrNxtdGjptv9qnaZ0IToin0rXlRobCQIg3HG0MQFAyOpxWdb3oh2pZW29yQoaQlQPf3/AEp2qtcQ2qb5llGdzlmHzH+VTVcpSsVTUUrnOXzibVHhQ4jCqd23AY5OT+lOmEQnxDuKgDkirtjps9xIbiZOGJJ9qS7sXgbfMoQMflUnk13xko2jc5Wm7uxWhtHuDvYHZnBat7T9Lg46j1qayshLpZ8zhB83Hc1PaxSwRsQu7HABrlq190janT2bHPp8CgkkhiOCTyBXIa1KkMjrBdNwSMY61sX8/lpLlmEjjaSefyrHt9Fn1C48wofLAABJ60sPF83NPYdZq1o7nOSRybg75x6k1c02GOST96cA966HW9Nitbfb5Y4XOQOTXNac58wA4xnnntXpxmqnvROdpxVmdpY2BW3VFliS3HLMw5PsDmq9/pl0qs5uVWPcEihiIOOOpz19c4q3pkkFwqCVmCdFCqfmNN1LTYbvUD9nErtH/rZVdlWFRzgc8nnp715kqklU1N4wThoczLZR28rNdSNJKFyVByR9T2qreG3kgdFcqGHCIf51pXGhFQjBWhWTJBlbGAPXP1rBuIzHNIsT58vIZgwwPXmvUhJSV7nK4u9iisYMxCtxnA5q4rYI2fMSeoFU4U24y24+o4zVwqY1CgAYGMVmtZM6HpFEU0Ay00rqWA5Pp7VHszDuyAD0z3q0sCTsrXDfIgyqj19amfy2MaBd2OQoGNo9TVOHM7kqfKrGX5JOdx6dqiYY+Vf5VeuQ3JG2NAMADAP1qkQQRk8YrnnDlN4S5iLbzzyaUDHSlPJpKwNgopRQTk0gCiijBoA0Zxm6kx/z0b+dIBnoOBT5+LqX/fP86YDjGeeeldqOUUNjPvT+oLHJph6nHT6U/IY9MgDvVohggLfSpAM/Qd6DjavA+lKOatIhscBmNs8D09abFhHIFSNIsalSpJx2FRIG8sDoScn1NWQSGZcgEbvUCmK2Bk9T2zUmFROetNA3SDPApiVhFXcctwKkCk8/zqVI96gKcCmybVkKox2qM5NFgbEDFOOpGRUSk8E5yT69qeASucYHXn1pAoEe4nk0xDCDjkkD0BpyAdhn0FABdgM4FTD90QV4PbNIexC33sAe5NPTOzAJHPIHepbNUVJZJBuO3Iz3PamxfK3zc0dRCl2VRlcnsc9Klt42kU7VJPf0qyBHLCdqgHbnr0psZMUCoAvJwfXp0qHJWCwgtGihLyYxnaB6mquzYSCPmzzV9w7Qo8r7QvCLnk+uB/WqDuS/IC+igfzohJt6g0JgJyCMsOaGw54yR/ePf8KTbvbjn0p2VyBuX3welaCImjwue3f3pgP5e1WHkiML4V2wMLj+Lmoo0BzvO0AdB3pDLmnzwQzB5wSoI696uPrlxMy+UFQAfKv933rKCE8Ae/JqRHkhz5SjOepGaidKM3djUmti5Z2TOjXd5IqljgAnqfaptUlEYcRN+8ZRg+i4rPWaVm3zSngHAA9aZLOW38ZJAAJ7Vn7OTkh8ysQ26s77gSXJ61M0ypGFCrkH52I5J+v4VGrFQAvGKRTiTLfMe2egNdDVyB0K/faX5QMYBPWrQnK2ygbtzHAAAA96rNISzMAAPU87j60+2TewLNyBgcfmamSutQNzT41s4RNPCGUDdyeWPoPet4ahNFpc11K8Ucu0D5UwEyQPqfrXM2s6SXig/wCqiwpyeuDz+tPvtZmuLOO2zjd88oA46cKOleZXpynI66U1FF+01ARXslxJM0zKv3mbIHrj64FUp9Rebert5jMxOWrO3M7HIAAOcVYtYPMlG8bVz/CMZ9q0jh4x1ZLqt6DwWfcQpwpxnPerVg3+kKAhbaoVVJ9+ST1zUlxaiC1VQNgPRFH3v8BUc0Lo6yRR4XywxPbPP+FPmjJE2aOiuAkHzyeWucE89Pb/AD61Qv7e4v7iCEpkffLbuAv0znk+3asnUNQM3kxWm0bMnG0fMc8t/P61r6ZKdP092uJN00xyNzfNKx6/QZPPpXDySiudnTzRk+VGwZINJ09GndV7AE9TWKsD6jdfaJT5nGcDsoyOn1zTLt/7RuAx3ZU4GemMdga0fN+zWsUNjEvmzyAPI3t/PA/QVleSfMa2TXKTW9su3YkkiqOvBHPpVa7uSGaGAsc55U9/U1pbZNo3L8ijrmqcDQLdzGUBIVIVCR99up/ADFRe7uyrWVkU10ppLlRO24nlu4X29zU91fx6ePstnteVGG8n+Bf8famwa4120j21ttLL+7LnOTyM4rD1W6u/OKSLh9xVjtGSx5xx6Z7VrHmqNRM5csE5GX4g1ee8eW2t1GXKgueCBn9e9VodGnEaccEVtaPpCtcPLckEKD1q1eX7QqIIoFXBzuXOfpXpKcaSUIK7OT3p+8zPt76508LFCI12/ed/88Vp/b4rbSnSK7aSR5MyMoZMnrx+OKwrySSaUtKNrnB98VRgu5IbjeWUleN7jO0e3uaJ4dVVzbMUajhoXdQv57wf6RKZwmQYsZz+J6YxXN3Msr7YImAQNhsKBuP88Vbvrua5uZBA2S2fu9hnuKS2tIrdN02GlfnLHoO5NbwioR5YivzPmkNgijtwGlb5h0Ucmh2/fMCTnNTziOH5Y9rSZAwO1JDb7Xyw3OeSTVKNlYfNfUETd8qkkD72Bj9acYmZsFvvct34qQu2zA4z3qHeIydzcAdPWtErIzvdkNzEikAMxbGeaoTqUIyMVoFDI0kpLKCeOOtZ9ySZBuOcH1rCslY3pN3Ij6UUZyaK4DsFHQ0nelJwMCkFACinYpBxzSZb1poRqT/8fM3++f51F0xUlwf9Klx/fP8AOowvc9a7DmFBG0lufQVL0UdqiUZyewNP256scVaJY5QSc+lSbgFwOWP6U1Rke1OyB05P8q0RmxwVmyOgxzipThVGBUSnPU0pLOSAeKtGbEPzNyMDtT1AOe3PGaaFp3AOBzQA9XO4iPPHXBqMlnYs2B6AVIqE4UHAxg0joqx7s854FMkO2WbJPRR2p+zICphQOp9BUQwASaUyM4VB8q5y3vTAfbxgg9evGf5mnzvEEVIm3P3I7UsZwuyI44+ds/oKbHs8z5s7VOM1PUB/llbcqF+c46nGBT4bZpk3hlVM8sTTJ7jeroiAg8AnrTPPmECwxsEQEkkD5j+NL3raD0JROqoVhJYhurLgADuaQXDKxKcsScyMOfoB2qFQO+T+NPEeRnt70cq6hceLh9wbczPjrn9M9h9KgCnq5yfYcVKkbSH5RmnLHyM8tngU1ZC1ZHiMKS4BA65HFIJFA4jGPpirRgSHLSujkYOB6+1V3XhnIA56UlJMCHlsYwCT2PSpERd6BeFxgn37n9aRBTi2OF5z196oCVZtoYDbkkjOOlTiUeSRuVc9yf6VRHqetOJzjav1Y1DjcdwfAYhTu+lR4JbkHNSKcdBzT4x8/Izmr2EMSJTy7fgKa6BS3IAFTbHMjCFSWz17CoJd4f5yM+386Sd2A0GpBJgEY4NMVPkLUAZqgJA6Km0dTUkEZeQ4HPfFRhBu+X071MswUHcpBxxjuah+QF2xtVkO5/u9etbttZWluYpZ7hU34KAZLEfTrWFZRPOwXJRc9BXTWltElzEkj+Y7YJLHdj615+IlJdTppJMZq8tvKFSEufkUhipGORxzVPV5rW2s7eJ5TvbJ2L3/ALueOO9WdW1BhdzLBAgRPlLFDyR/+vj/ACK5y6nklmLICuPvN7Vy0ISmbVWosqWksaNvffjkAD7x68c1rQw3knlSzpsjY5UA9hWMCYivlkhgOTWtHqUq6dP5sqngLhskn2r0q0Xa6RyQeupp2d7ZtdmKICOC34kcnOTjJ/AVt2j+fGtyEjRTzGh6gep964e1Zix3RqI2YbkHAPqPzrWlvLvU3is4ioiVhvKr15559K4K1B9Dpp1F1NfV7keWtus8jSyHO2I5AA7nPaqWpjyrOzzvdVYx5U43FlJOfyp+pLHpcfkW+z7RJGXkdlLFuy/lzVDUtSiOlKsh/ej51UAnnB/KuaFNvVG8ppaEUV4bGWSUkgqDtAOMkn/E06zsbvVL86jeO/2ZXCQQ56seM4+ufwqHT4G1O/P2hlVARtVVx+dXZ9TzrUdra4FrbdHHG5sckfnjP1rtnHlaUV7xyxd1rsa90zadCtjYoJLuQDccZCZ//VVOXS5YQLi6/ezt9xMgbm/DtSaZfF9aeQnK4JLsc4POOOnQdah1QNeMblzITKn7ld5GBwMcfWuROcZa7s6Goyjp0OXvFmW6ZJQA/dUOcVSYZBjiIxj5mI6V0F9a22k2IiGWvpUJYDJ8pffAzmueklbAjjUqP42DZz7k17VKalGy6HDKLTGg+SxSEBSw+8QQRSNIIyRzJM5477RSElsJEo55LMe1NiYrIDDtz64zTvYq1yaOIQ4eUDce/epC7NhUB8xsYA7c1CqO0mZCN2c5NTi2dPmO7c/cHtVJktDSzRsQSGqGRwzk7cUTTIrFIicIcZxmoNzdTn8e9EpW0HGN9SaW5LxrEm0cc7h0rLlC9VOQDknHWreV3YbOD71UnYSZ2jahYADPYf8A1656krxN6cbMQDFKOtJRXEdQdaUUlKKAFpKfGAWG7pV7y4v7jfmKpK5Ldh9x/wAfMv8Avn+dMUc4p9x/x9S/75/nQBgc12nKMC5HPAp6gHGc1IoAXNIV4qkiWwwMAevrT8ZOAOKQADB6mnL3q0QxduOlOA5pA3I29qesZY/4VdiGxpxuwvI9akjTJPt1pzxhY+BzTlJi44yRnpTJFZewHJ9+lNeP5TuJc9hnAFTbdsQZvSot5cYXK7u9SmBCV+6Op74p7RleW69AKmMISIOnXPJPahIsqGPJPcmnzICsQR1yKfGoKHJwBVh4stsA3SN+lVlXdJjIxk85wKE7gPO3aSAc9lxRs49BjrUi4Zt4X5QKbPywDMAPQdTSuBGvXPWnfM56/wD1qERnfav5elToq7wqDcM9c4UnFNsBUTGQudvQ5701vkjYgeY/TIbgHsKjMqqNpLNt52p3NIW65we45zUWYxGLDqelRkDqTSu5c/SkIwcGtEhACegqZLclN7kKvqT1poCKRn8cVYiYHLCRY1HGWHX2pSdtgQhgBXOQvHc9aiUbJcPxx1IqdnD7VPzHpgCq2/fLlskAYAqItsbLNlAJB5jkBQeQxxU95dWMa7LdDLIuBlTgEmoZbtUszFsY/NuYqBzx0FUUGWJxj+lTyubuO9kWzP8AY2iVWIJBZwp6+2f89apu8lxcvIyqoY/KAKJnaSTk984q/Yac8zrlc7uauyj7zFvoUpI2jbY6lSOxpgzuOfyrUv8AT5YryTgBjztySQKzZFaOb5xinGakroGmmT223cWn4jUEsfSnBGli3BCAx446VXz5s2QhIGCR0q9bs7mOE/KS24sO4wRSldaghkF1OuVSXZnuR0rWsbhrOMXC/O2MKxbgE96pahBDCzfZx0wrE+vtUTagTbhNmFAwM/8A6655xVRXijSLcXqXBPNdMI2uHEZB3BWzxjHXr+NFzLFBYJHGoeaR8Ek5AUdT7mqMUue5XcecelPllB+YA/KNuDUKio6Ibm3qynMxefOzYv8ACPagqruoG4qDx9adOdsoV0AYdcNmlt4zLKByB65xXYtjLqallpxngLx5O3qB2qzHFJaqsxcxoW28ZGcc4/Sr+mRvYadJNI6eSq8jABJPQZHvWbd3M8sce5zhM4UDgE9a82VSUpuK2OhQSjzDbm4Fyq7VBmduT/s4/wD1VQ2F5MLyc4pzTsi7Yzh2HLY6CpbK0e4cKozk9+9bQgqaIlJyZejmj0+z/deXJO4Kru6L6k/4Vl24w2AOfc9q1bu1hsbYhioeVRsXHPXr9ODWKw59c+lKnaUnIcrpJGpY+SbgCfO0sScVsapeCza3itZNkvlgoCgY8k+v0/SsrSYAJkZpFU5/iNS6vqEVrPNceSz3LZSKYMGCDpgDt9frXNXjeaijak7RbMa+1MxLJA8QkmlbMs5xkn6fjmsuRI1XCuHX+I45Y+mPSpZYZrgmYknkAY/iNUJQ6IJOqjO3A6mvRpwVOJzNuTGMwaRhHycYBYYGasgJbRjack/rVZASQMknpk1KcM+c5VPlB+nWmtzR7EiPJy21T6luwzQXjCnERMh9CMUi5nYorKgPVmOBTGVFLKCJOcEq+fwq07GdrkSZKAbuOvFDDHQZ4qbCrAMbQe/P6U1xkYQc45J+lZtXNEym3DEiqx5YDsoq0VJ4qsy7XIrlqHTASiiisDUWkp1FADk+8Kn8/wBzUCHByaXzH9B+VXElmhcf8fUv++f50vrTrn/j4lA/vn+dMUZPA4Hau1HIyRsABR+NA6UjfeHbjpTu1aGYZwpA6njPpT0XC5PTFR96fyQM1SJFXntip42Pyj5QB+tQrk5Oaeo6VSJZMXBJ4yP50gO59z+mKAueBUkSAOd4z7UtEIYxLjAHBPPFSIuBwB05qXG7AAHHSn5UYXGWPB5rPmHYQRfugWbouB/WgJ+7Xn2ANSY8xsZ4A9OBR5qRx72TKjgc9TWd2VYiuQ0YwGwzcKBxx61UbG9F6KowKnLPMdzfKMYY55IpTANhYAn3PFaRdtyWROEaP5HJC9c8CmiJgBwFBGeeOKWFkAMjkY7DFNnlEjggFmI5Ynv7fSr1TsA1ZiFOBlT0wevv70CR2ADMcDovpSFSOtA9zVWQhx+br+lNI9KkATZnd8x4Ax1pjYAySeOtCAFXnmnpGHk/2fU0m8FQoGOeTT2uC7Hyz8gGFJUCk7gKyQjqe/aoQxXoPzpwwGADBm9KmFu+PMbmle24FfdxnkGliKLjcwA/lUzwsMAjBPPHeoDhSQQc01ZgLLOrnCIQPUnmmb8LgY+uKf8AKCN3f0piqZXbbgKvvTVkgCEFpASeenPatKLUDDODhnwAFycDis9eB9aMsOcVMoqWjGnYuz6rcS3kspAGTwoPTiq87NcqG2BMdTuzu+lRokrsNnXtkU10O7bL16VEacY7Dcm9yexU+ZG4ZdpPO48D61Ks4fUHeA7VzhSB2x1/PNUkJTAAxtNCyYdtz8k/zq3G7uK5oxWqXrSSSSENn+I8e2KrPAPNKKeQabFdMqKiH+LcRimLOys5BLFieWqIxlF+Q20x6SGBiOp9+aGkZmz64zj61EZF2nb87E8tnAFO3BIgc4ZjxzV26kktztPzxjr19qIGfIC49eeai5MJ4OKFZ9oWPIz1PpRbSwG5BdtKFgygRCCWxwOuf51Fc3bMp8kBU6LkZJ96oxBgCkW7LDAYnueP8advb5UQgjBGc8Yrl9klK6Ned2sKFDSAA4Hqa29OV94MM2xeBuOBWK/7qNAxAJOQMcmrdvfrFjMQJ7cnFFVNxsgi0nqaerlIpR5mZGzgkEYHHrXPySgzYT7o6cVqXd59tVFj3CRz8xbpgdcA9KwfPjfUnSOQsicE9Mms8NFpWZdVpu6L63xtl35BKj92n95vU+wqnGkl5dCMfKSfmY549TSXjbpZHRQkKcLg549c+tNt7lIOPmEjHhsdB3rqUF8XUyu9iXUZbqGLyIMLEhIyv3iP/r1iTSy3Ey5OFU+mOgrY1PUPPhCxEEBcZB689TWNbqdpyy565akrqOu5cUmyQAI4DkgY5xQJQUIRdo3EEnnAH/16f5cYBJZmbnOelMCAquD948KO9CuitGOjVmQvghV7kdanaFt0cSqAFAJwfXpkepqS1v2tn+eJHXsHHSi+1Pz9oIWLJ5ULjJzxVRuRJlZig3KhzjuR7UxgNuCeo7UbdzNtBx7UZTdheoGTQxoYY93C8D1NU7pFjmABJJHOa0DKkeN3eqF3MssqlFYAcZIxmsZxXKzWEndENKozQelC1xHWO20BP9ofrSk8DFFUSHTikpcUeYv91fzpgac//HzL/vn+dInfJwKWcf6TL/vn+dIB2H413I42O6kU6m07OasgAMmphzxjtUcfqKl6flVoiQmeRipIxk88c1CT830qzEMlQOeaZJMyqrqAO9LKuWyvTABpAAZCB26n1p/Bx9ayuMVY8jc7H6CnCMBhg4pxIVQTxzgZppkCLuJ+n1qLlDziJQZDgYzjuazRIzhWYepUHtmpbmRpZlQZ28nHtSbAsDs5C4447+1XFWV2SwJchWJHX5Rikk4hXexYsOB6Cod5OPYYFKSW9z61pyiuOLBOMBmx09Kbli2SeafHHuJyQPrS7cthOR609AGnknvTwqIp39ewpCCp5pwjPBOBn1oYDV3AZXIz6UscW9lQYGeOakwzNheB7Va+ybEBAxt55NQ5JDsRmyAkKBgxAzkdKg2DgdTUs05VsIRn+Jzz+AFVxNIshcMd2eMilHmYOw508uQh/lYHGB2pQ6BvlG7njPFNjUs5aTLk5JJ7mrGYofmKMzduMAU35gTCKeZGk2ZbAA7YrOdNrncTnvxVk3s6q4DtubHI7AdqqzzbzgRgNuwMnoKmCkmN2sRn5pPlHNWfs8iQgEYU9cd6s6fbRCPzpnVQDyWNakcY1EhI4mKAAeYRjP4UqlVRdhxjcxEQhD8mRj8qawJTaMflW8+ms1vKIgQu4Y56iqsmmvFlipwDjBqFWiwcGilZs0Uwxt981NexKybkVMkkn5gcVci0wvEzbMNnAH40X9iLaFQ8ILHOSWxmplUXNdMpRdjnGQliTyPc1at7Azx7kdRjrk4pkxBDFYyD0B3ZHT/GowWHHOe1dWrWhnsEsBikKcH/AHTTPKO3ODirfls2zLY6kAmqspIBQ9SD1oTAaB6UAfMC3b9KkVVCnsFFIF3UxEzz7oREnfrVu0hjaNzIcKB6Vnn5Wwp/GpFneJSAV9c1Mou2g1uXnIMxSIMqoe9VWJilGCMjuKakzbfnJOTk02SYyucLyx/IVMYtPUGyTOWBIycck9zVhJFQb9u7HbNVR5h/PGTVhLV3IBf73AxxSkkkCG/2gkMvz4wy4ceg9BWQ8/m3M0iL5aMxCL6L2rek0+G3tZpLnBCjHB5LelZdrZG5jjlVM+axKgdl/wA4pR5d4l+pUkldo1hUYRTuPOcmmvNIzc+ncZ/Ct1tGaGNmYbcDkY6HFUESKDPn/KPpVJ32YaIzHCFMO2MDgYqSABUBIzz0Ips0vm3TBcBB0AXBx2qxgGNMA4HUCod27GislcQj9wXIUHPQmpEtnTYQnIHBHWolUyFF24xkk+9Stc3CfIs2B79hVkO5LcqiRh5XWJzjg+lUHZPlEbnk7uRimrunnypJwSBnjJyeaeincWkfd83oAP0pNjin1HPE8kbR+asaY5+bBP8An0pjRlULKQBjildSBliN3c55qOR22gOxKjgDHWpZSuQliuD97AwKgYsWBbknoOwqyU+UZBz2AqJo9rEt16VzzudEbEJyffPU0o+7+NSzDZDkkDsKiFc7VjVajh0FLTadTENc/KR60mB6U8Lk80uB6CmBoz/8fUuSfvn+dIBzwTmlmP8Apcv++f50DAxXajkYDcOOppw3d6FA35/CnquasgEOFxUhOAPWmkbTxSE7uD+NaLQzauSrhYskgFjwafFnJ2iojy656KOKmMqrtReh+8aZJOi55zxTvMXIA61FJdqFO1c8cACq4Z9wc/exj6VHK2Mu3Eqrje3Pp1JNV3uMqO5AIUe/qahwWb1NOCc4pqCQrjQW3Fick8UEFsbiWxyM1PFBvyT0HpTGTL7U59arQBgFSjaq4H3qaYygye3SpoEBHNDegCRhS4G0n1qy0gO0oMEfw+lPCqihYyAx6uR0pfKQ/dyqjoD1/GsJSTKSIktmdjj53I3Mc8DNMMZeN3T7idWz1PtTs722DO3PYdaCMoV4CDnGc4ouwEidUiy2CScDJ6dP/r1YuJ2vYTFbxgKFAyeBwc1XjgwVMhKJn8aSGfyHdnDKq8iMnk+maJRT1GnYjaGRVJ4CryTUbZLgswLHoM9KnmvXuFkDhQmcqvTFVQeeOvtWkLvcl2J/OYR7eMHgjPJprOzqkZOBncff/OKiGScdKcE5yOp71XKhXLReGIBUQsVHzM3FVVO4vNNgA/dHpR5e6Tby3PTNTtGz4QpwvYCptYY21RJpFMw+UdupJrbkv/LiEMLmNNpBOev4Vii3cchSBU8cPyudhwo65rKrFT3Ki2jVjvktY1dpNzbTsjBp8T3M8OWmaOINliO5PaslBG8iKuQxOCzdBWovDJE8haKPkBen1rknTijaM2zRkdLeEtCTNKwPzSNwMe1YV1qknn5kK5xySoP61s6pAk1ssi7yoXhRxjmuSu4z5wGchcj6VOGpxm7sqrJxVkPkvo2tzHsMjZJO3gZNVFLDkD5u3tUgRepOB3pY5YNwLZK9gBkmvTSUdjlvckhlQyg3BIAGOT2//XVWVla4OzOMZ5p0pDvlchB6jrTYl3MWAyD6U7dQH7f3eWOAOi9Mmr0VrsgWR1BUg4PvVONQ0o3Z2ryfauh8+ylsEXzXG0HPA7n/AOtWVabgkOMeZmHPGqlj5inBx8tV2fc4XIyeAP61eKW45Lbl3dQOTVBWBkd+mDxmtIO6E0Ssdny5wMUqOvmhv4VxTEUudzck1JNDsRSABk4A7mqETo5uJx5a4zxitE6bJFAZyQoA9cVlWksiyfIxwo6D3rTeXMaRMOW5INc1XmjpE0jZ7lPWwosrWJju8yQkrntjr+dW9EjeJg6RhZCu2NivAHPPvyTWXcS/bb7cwyFJC8dK37e8FusCJGpKRnOeuSeKid407W3GtZFnXfPis/LLI5x5jZIyST6fX+dcffyeRGwmQBiMhgccD2FaXiG98y/YEqQpwCCc/wCev5Vz8hNxMrPwFGPp7UsLFxhdl1GpSshsIXlpPlyc9OlTecJcsgKqoz83r/jUIwHbnIApTL8pBHHUKvP0ycVqnZjauiXzVFv3JXjd2qAt1Kj73cknNJlnQKTgDqKeQ5Kl+mcjjFNyBR1HxuIEwAd2OuKnACRF2BIz696j2eYMpgD/AGmFRyMqybfODFcfKhJxTjotSZa7Cy+WSMdz8oPWkiQH5sc+ppvDdEPpktU0RXy+fzpPVjWiIwhaTpk9z7UXe1bcsWHy092VFJVN57ZPFZ08vmR+WADu5Y4xSaS3Gm3sR3Ejy+WoG1FwT7nFIOOtLjJ3Hr29qDwK4ZO7OuOiDOTTieMUi089TQhsAflxTMSU8kYPsM5qPYPU1RJrTD/SpfZz/Om4GM06f/j4l/3z/OkUE/8A167EcrHDjAqRTg/SmDJNKOCK0Rmx59xSfWlLADPemrlqsgcOW5zT1YBgcUqqB+Jo4zxz700Jji5LE7TknuKQhmbp+QqVE3NgdB1qZWIVhGByMbqTdhFMcH0qxDF5gLk7YweWPf2FRmPa3Lbvm5P86sGUMwEa4CjqBQ3poBMzrHC4T5QowCepPoPektoFiGZGBzzg0wKZ5FyMRp0Gep7mrm0K2WTnstYN2L3K8yiU8dPXHWi3hwhZ1IUdz0qQPh87QfYjjNDTImN7Zx3xS5nawWI5G3uuxdigZyT1p5njSEJGC8hz0OcCqr3Ad3bazdkB4xToIWkBw20dznGafLpqF9RVYRggjdI38IP3amETjZ5h5bnHpTY1VG/djPvjvVpSIpGkldCRgkHn8PfilJ2BIgnb7OQPlywyO5qgylW3yZO7nk5zU11cm4uDJsVMjAB6gVVJy3XdWlNO12KQ7I7/AJVLFA0rcjav9KhXrnHSpd8sjs2TluDgVo79CR9vDG4ZpGKgAkY7496XenliOPAZsFpD0Qf41EkZLBSeOh3VO3kwrsGJZT02npUS31Gizb2yeWGhjcqOWlcYFMuNQVSwjkiLY6RLk88daZcIZoiLl1CY4jJ4AHtVNF3n5OB19BWajzO7KvbYtxzLL/rJMDgYzjNdDbWFtLYsSdnyHJJrlDiNuHyw9AasC+kKBZGZh7nipq05Ne4xwkk/eLGoLbQOvkyqz5xtU5xUSmTaXBODjJ+naqssu9htUKBSbwF+bJPbnpVxg+X3hNq+hfm1OXa3mYckYUMcKKzrm4eUgfIv+7TJJC5GFOFFMyu4Fhx3q4Uoxd0JybFSJpSAoJz0AqwlrIdpYbE9WquJJMnYzJ9KVA5AIIYD15zWjuSLcqY1HBG/5UBH61JEWhVSmNx4UYzmq5y9wGkOWAP4dKfyWyOuOMdqN1qBp6XCJTISqFMYYufbr+dJ9lQFhjcAfXArPVmRdi5C+gq1DOqphmZTnuaxlGV7rYpNWEuId0nBEabc8DsKpQp5vCngmpr2UO32eE5ZsFmHRV9T+VSWse1QwOABnmrjohDCWiLRkZKnnA6cUrXMkjhpj8q9MCnGNvs75zvkPLd+lWPs3lRAzsOB8kY5LE+39aG1uw1ILa4ifU2P8GFyR0zTbiZri6nkt5N0a/KGB4xUV/H9kdBwGK4wOpNNZfIh8gP23P8AXFJJN3Q+gQSCJ9z845qddQYFmYZ5z1/SqcknfHaogdyj164qpJPcEmPmmNzemWfkDGcd/lGajk3St91YIlPOeSfrSkbT8o6cnPeopLhtjAcOxOMCp0WhaTIhhuQcg1JlF6nJ9B2pijoBzU2wBkHXnn/Csept0GBkPIRvYY5PNPdWeVVARRjDN6/4CpGBziPjszKcge31piqrOdzEqDirtYi9xDDA0bO7ZCjO5f5D1p9tbRIhcIBuPK8ZJ/rU0dv5x4iO0d88mklAVygfeehIPA/GqUSOYhbJdmZVC5woQCiOPqGHPA607BZ1yOEyRz1NShcJu9+tHLdj5rIqyFlXPb0PNUZWBJ4IPTGK0byQR4VeBjJNZplkuGIiRRk53VlV0RpS11ExTWxTihPG6kdSjY68cVxnWIDinqMdeSaYoyfSnKcNxzSQ2LjHBpce9NHJyaWqJNSf/j4l4/5aH+dAGBz1p0+Ptkg77z+HNNrvSOJsMkdKdjHv700U7OaokUAYp6nB4pikcU9fU9TVIljgMAVIuDgAYqLJJORS9fpVkFiHDysByo6mpC/OFK4BxxUKglVUfKBzxUyJu2xxqB2wKiQBteZsDn2A6UbCmUH4471ZVhGm2PG5unr9aXeFOScADAxWfMVYiRmUjAOO9SLHJIcyOFLdcU0M7DcOFP61FNMAQq/eNTuxk0zwQRnlnPQDOMmqTsZJCzAD0A7U8Bfvuen40kRZpCIhy3oOauMbEtj1RRwOW75OBU6IQBvUsvYZwKT5lZ5HYBm4A6kVGXd2GNzMehYn+VJ3YyxPMscQRevUgD9KqNLI+QPlB646mneQ7N/eb0HNIUMOS7BMD+8M0KKQXZE6bX29+9MxjpTkbGCR0HAFIQTxjA9K1RIg+mfrTxI44BFMKMBkjFSw27y5IHyjkmm7dQGohbuTk+vWniJk5U4Oe1W/KMeNuDtGF9zTVUYG7p39ay5+w7FbymkYbiW46dqsRWuTh+PQCrCW7tgxoc4qza2MkuQM5XnGKzlUSRSjco/Z1UcKP8aqtEBkuefQdvatqe2+yWrTS8yMMKPSspAgx5hCqOeaIVL7DlGxAkPmE9qhdfmwOautJEsPDZdjgADt3NRRJ59yEXCjoK2UiLCQgGIrtG49MnFVWwWO3BGeCO9XJwu5tqh4+mWqu48pFyUBOCAO3sKcXfUNhgDZAXqfagho9uOuM5pyO0bFurk5+lNdjMAMbVXlmzyaoRGrHcznJY+1KWlYEnge5xUpUJEhzy3QU1sEYDHt2oGNQMQCNoHoKsgOFHAPsaq7AvIO0Z4+UnNOH2ghVQBcjJJNIBiNjzA4xJI3JHp6VoeZlsbeAOAKzJW/eq7JjBwQORVpW3Qs2MHsR6UnqBcVwc5+6ORnuamju4bYNPMoZgOOe/vWPJKVwin8zUUk/mYLqC2fl471DgmNNjZbhrzUPPxgL90YxU7I7ZeQDk8+tQ26hm/eN9T1rVuGgSwC4wAnLBcdvSmnYpmRIQ7BVBJzzVyCGNUJc8gcfWq1m0ZYySEhecd8065lUfLG6ke3NO1wbtoRPIAjkkjjj86gclmBz8oGB71JJGWQkqSfaozzgD8azmzSCFBwc09d7EcAHtntTjsijXcw8xuijk0fImASXfnIU8D8alJlNoWV0CKisx55x3q+9pHFYiVuWI4A9f8AJrOkD+YqZwOuB/Wkkj3ggyPg9QrEA/lWl9TO2mhbS6IJRG4wQ2OKRYlIDKeDjn1qARhYxjCgg4A44FXkj+VRxjoBmrWpDVtSIoqqWc4Ud6rXLSv5bRkbFGcD+tS6iqqE3E7cj5c9eapPvUHzXK7lJAHoaUpJDim9StM8krszOWxwKntU8vOAM4IBPaojxnPamzssuyIJuTaS5PTPHHv3/KuOTbd2dcVZWQkfJAznnFMmJa7J4AUbcAVaggS3g81wscSDIHSqsZeZd5BG4k8ioe1y1vYCfnJA47ZoHTmhsrkAc0qpu/A1kaDgABTqRaf8390flVok0piFupSOu9v51HuJIAp8w/0qXP8AeP8AOmjhgPY13I4mLTumfSm041RIqDvUirwcHgdKjU8Yp4569KpEsOSOKeg6HuaXqQOgHSk6njnnj3qyCVWA5HPHHvTxJhcH5Sw9e1CQKBlyOlKkW6TCDmodgHeaRnGMkYz6CnjdIMsG2D9TSiMd/wB5t4PXAPpUMkx3ARqBj1OajR7DJGlwWUDtVUevUnkmg55LHJPU+tKqs5AUdqtRsK5KIw8vllwFTl3J4FNMo8wi3yI+gboXp4hjSPfK4A6465qF5l6Qq3uzcUt2MnLhOGYJjtjJoWdR8wjklfGPmOBVXJ3Ek5J6k1PHIS2WO1emEFDjYLj3a4mA81hGoH3V4FMjgD52j5R3NTb1kx8hCDn5jkv/APWplxIRmOM/ePbsKldkMZFH5jnH3QetTSRLGwXPzYz9BSwxOI1CrgdRx3p07BEKpzI33n6miUnewJaFUgtLlu3StBJBbWoB++/RR6VWigdj7+9Si3c5fd90dfSlOzVgRPFCy4aRcuRyD2rTt7O38rfM6qSelZcLtGrDgnPU1PGTt6ZPqa5pqXRmkbdTVa7t7e3Atl3txjIqAai8BYxqqsepHaoYYJbh9oPA/IUl4Yoo1itF82Un5pCflUVzcqvaTua8z3RS1W7ubht8vyRY2qM9azmDOOeBViOBryXz3PmE8IR0A9quXFl5NuuR8x/Su2HLTSRjK83cytj4JH0zTP3kZ3KcGtlbZD5cWMFjliew9KLyxjjWWabKKGwgxyeKv20U7MnkZhs7sqoT8qjgU0JznvUyoXYbV69qZIfLdtnWuhW6EETd+56U/YVQKOh/WoxwxJqRcscldxPAFMAMfzcYJx1qZEiVGaR8YHQDJNNWIgcjFOSPdgk4HepbAfHF5rl3IRFHQnhV/wAasW5AWSbKL2UZ5x681ARuX5RhegH9aL2JVZdieWqjlj3NZvXQpFPVF8mNAxAZz13Hd69KDcstukCqMPjcx6gf5xVSbMtwryFmY/3uwq3DtaVmIO0fLkdqpb2Y7aEcuBgt25AqLGeavLapNITngDPv+VV7pEt4/m++xwq7uab1CLsQRyeSCY8A9qbJNcTKys3LkZOf6VIF7UxuG+Wou0aWTY8yJAipu529MdKdDaSTKJG6nnpzUcTqkpaUKR/tHApZtSMsRhjhVFblmjlJOM/ShbEvQbLC6wqWYhX5qIEq3bINK5EsinG3ZGoCntTVU5wOTntUTNIX6j4wFbfIQWbJoa4DGQQY27doO05Y/wBB70hjwM/hUktxFDmK3jDPuxkfME9z7+1EbhKxCseyTcAAwGAcc+9WYUaYs20qmcLyOfc1XWebfI6hULH5QSW/PpT4Ybuf5ppxgHJIUKv65pq1xO9i80KxyfM4cqoYgfwr2/l+lSWkTSQ+a20cdTWeZI9hjs086Ryd0hPGRwfy5+lT7JmgUG4wijnjqa19DK3cr3Eokl3MQ2DgYGKjmaKe5Vi20IgUgCrCWqjuW9sYAqvdRIkuzjPfFZyuaRtsQSbRHx/EQKSMxBszMQPQDOaa7gLt2ZweMCheoyM+1csrXOqN7CXBFzs3FtmfucYPp70ryeXH8qZwPXAp8Ue7HQDrgUydQONw60ndgtCAbiSXPzZ5xUiliNq+tNbhlVfr0qdcJGflBOOTmstWzTZCR4VjnsOtS7h6foahUbc560/zPY/kK0WhDNKVcXEh7lznn3qI/wCsH0p9wS1xIOg3nJ/GmdTkV2I5BenWnDrTQMcnn+lOFMQ8fdp2eAKRcYGaX9K0Rmxw5PXAxzSbv3hA7EUnbryfangBfrVEk0Y25Z1BPUAmpvM27oyQCccAVVG5mHGTUjRNHywAzzxUNATmYlMKPYE1Az+WzAcHGMkc0xpGVcLjPY46U37snqTyTQo2C5NFbvKc9B6k0+UwxJwcnoB3Pv7CojOyrheT79BUQUseeSadm2Ar/Pg4wvQD1p6oT2P5U9ISy57L7UnmNgLngdqd+iAk2x7cNnPsKYy8lUztqQsQwzg47AU+IvI3CZHsKzuxlcxszDqTjAGas2to+/dtGewPOau20MbTfvoio4BIakmmCTNHbJtOcZ64FZup0RSj1GF2A2Dl26mmC3Mcgj6yYyR6U9WjhQk/PJ7HgUyKQtuc8s/3mNRr0GO3OufcYpUUy/L15zTctPIqR8+pq5EI4CAPmk7E9BSbsholgscMDMMDPWr9tp6yKJHIWMN1PeooPJMg3SB36licD/69Pvbp4QggZZGIGCPur9K451JN2RvGMd2Jqs8cUL2dqDvY4dh2HHH61hEFIzHjG9dpBGeKvi5lh3u6LI78ksDnP1rPRpHkBlILnqR0Fa0YtbkVJJ7GnpMbl8JhQo5PpWluS8kgRuUHzsfX0rLt3Z5GjibbHjBYDr61rmS302xMqRyO2AAMcE9qxrP3rl01pYq6gYbS4Lvg/wB1cEbj2P04rElt579/MZSQvI9q0J0+0XDXuoEjdgRxgdvU1Vk1VojtC7IRyVUcsB2z/nrWlLmS7smdr6bGfcRtaW7M7lD02jvn/wDXWeg+Unt0qS7uHuZyzk4JzgjH+elPt4058wjpwPSvShe12cz30GKq+SWJwTxTrcsXVU4zTVUOzrkgbsKPWp3i8jbImRzgZ9aq6EPRA8hVTuI447mpY7Mu+wD5geauaLY+Z+96nPU9qkkaH96AcMrHnPXpXNKpyy5UaKN1crTRm3VlCjIXJPpWXeXcl5OcA+TGAAB3PrVjUbmTYkEfDu2WbHQf5GKjS1eUBIsKgHLHvV019qRL7IzJd4kDFduBxSuk0JXcSvGevWtGCyzdDzCGCkHPWm6ihe5CQpuIGCxPAq38RSehTR32scjOOMjvmoGX/SN7/M3949aU5iYjqR39aTOckmlzFKKvceG+Uk5yemKlht92CSMd+argnGccdqUycDHHHHtSTT3G0+hLJhvMkO1I16E8ACq7A7t2MAij5mQA5ZV6KTxmjDySHntyewxRKz2HG63GYzkdd3BqXb5afL6dcYpr7Uk2ryAKQmSdsHoRg81ntuXvsDOXk5ORxgAU8xkKCcKCeM96eVWFcZBbGeKryMXlzxwcE9SBgcD0qvUn0F5J57UPaJdOn2hVl2j5VfkL+HapYo1RRnjA4x2qT5SFwOg5pJNjbSAQhA2xsbQBxUyABRuYfL3Y00KrcKMjqeagnuMSGNBj5eTjOOcVskkYtuWhM7tMiLGNoY9c849aqSxiLcqhSc80+Is28mTAUbc/X/8AXStGixkqihUyVTONx65Jx60m+ZDS5WZ5++c+lPQZYY/Wo9xeVyxzg446CrVqgwzMuV9TXE171jtT925GzvFGNvHYcVAkTEDkk92Jp2TcTbmY7R0B4FLcSskRERCk9+uKJX2Eu5Eqqj7QOepqdcheOB71GsYRQMljnknnJqQtzxms47lvYDlWLk9RTN/+cGhySvsP1pOapsk15j+/l/32/nTD396WbAuJSTxvPFNyTx0rtRyscKUUg6Uopkj05604mmqeKcOeT+ArRGbFxnpTwp4pnOKkV9uOenSmSySFiucDc5O0D0p07+bNjcAijkjufSoUfoCdvqSaTPmDEX3f72MUra3AUs0pAXgCpIo952qRgnlqjbCIR/kmrFuyxOu/pnkenvQ9FoAXEAgx33DgkVGh+bH8qsMwvNURM7kTniqlw5WV0HB3kZqYttWY2TfamRcRbSeg4zj3qJFJPzHk9SauW1v5cfzY5GaesSMxIX8T2FLmjFhZsIbcMoJA2nvU8sVvDFkuFY9F3YqGabPO7ao6ZH8hVV3BOTy3YntWXvSZWiJppERwIHLMeTzwP8alto1CtI757kk9agiiB6IzepJxmnTSeWoXyoxn15zTa6IBJpUaUBB8o689aTeWbnj0HpUS5GPX19amigY8nIH61VkkLcnhmSLkjJ9AcfrSb3lfdgn0A6VLbWgkbbgcc1s21qqQx7wo6g5Nc9ScY6mkYt6GMsrr/D+hqeK6UfeRSe3atb7PaPI0cLq8mcHAOPzrLv7UW8o5XnsO9ZKcJuxbjKOpUkd2LFnbkngHgVJZxIzfvDxUTCrEaRiP5sszcKi962dkjPdmrHPZ2kKlAskh6KD1qVcFPtepkFVUmOHHBP0qCOwW3tVupyAAcBfX2qhe3csn7xn3KvG3071xOPPKyZ0KXKtUW7/VYnnjVo49pBUKB0APrWBe3huLqSJAixhuoHb0FQTTq1yzM2AeMmqhPmN3xjH1rvo4dQ1ZhOpzDov3jbz0PPPp2rRtLVZJCAy5z09ahSBIolJYbzyR6CrsMf2aH7UXU54Az3recrLQzS1Kt1AInYjghuMU+OZLho1nUBEyWKjlvQVA4BjeeV+STtHrVjSkd5CI1Use79BU/Yu+gddDY0uaK0sHknZYsjADnGSewrKlkJkkkGcFskj0rSu7J7dN0zq8rZ2r6e9ZV25ZVgLjYeGx3HeuWmlKfMjWTajYqqBJcPKwwpOF46j1rQSZctsHGcDB9qpKpnl8tT8idSB1q4IwGCDGSMkeldM7WsZIktY/MlC8KM+lXJrOKHeIovMdwOg4z70WhhS4UNH8nqe9S6tqSxwkwoApzj144rjnN8ySNoxVm2clqarFdNlCG9KqBARyM/1qS4BluCW5ckcntT52CyLs6gDt713WutSE7DWYM/3cYHQVAw6MRjJ4qRjxyM9M1GzlpBu6Bs8flSdrFK9x8kpjhATAJJzxmokVjGRu5Y8+9G1nA475NBB54wM1Fy7CbGB5+93pfMPC44HX3pC2BnGDkdP8/ShQSNyn3FIYMp273PMjYAFSxQMTzx9ajiwrmRhuYDAJ5xUwkY8sxLEZxmmtRPQeFAbAOT7UhHb1pEcpnC84/KkaUqABwcY3H9a00M9RsTOzmPeFUHHWqg3T3bhTnnoD3/8A1YqUJInzBwuRnJFR2gSJWK7i7NktWcpaWNIx1uaifZ7W3w6eZKeQCOnvVS43CLLFcEckjgewpyxSqpKx7uOjZH61RvRjaZYk3s2Fy+ceuPwzV3SiRZuRGgHO3pnjHer8iFYEiGBxk+uapx/Ky+1ak0n7tMfKzdc9eKwprmk2b1HyxSM+QCJDxk/SqqIXlHmD8B2qe8mAxGv3jzx2qCNimSvU9zWdTR2Lp6q5OOWHAA/lTWbt3xTCcsMsST19hSqMtuYFR0AJzUXKA8dTxik3exoblj6dqdikxmtO3+ky4/vn+dR54pbklruQdt5wB9aaMD7ox2ziu84xw6UtNzThTJHVIMkDHTuTUfanKatEsd0qQD5cmmKADk/WhnBHXirMxVYq2VGW6jNTJuWMbmLEnOSe9VlP93PufWnEOeNxH0NICSNgbo5weefQUs8nykAnBPPvTQjwrkKpPbcafb2xmlzM+SeTS8wEgnMLbkQkn071EEcs0kv3mOfpV3Cl2VBkA/LillgKR5YYJ6Urq9xi/ad3AG1QuMn+dL9sQfKqnb3Pc+1RLbdCwOP5051xgAVLjELsa00lxIX2hc9AOiinLGzNnnHY4qVI5AnyjA7nFMJeT93GSfXBpXtohjA7Mx+ZjjjhqckLSN+PU1Yji8pNnAPU1egjYcqv0LColNIaVzN+zFZMDj3NXY7KROVOcdyKuOmIl392xyPxqVdm0BmAHXpnNYSrNo0UCgkc6MxBJJ5J9KnVLlwMEgAVfWVFjPyE/QYqKe5kJHlkiLGPqawdTmexajbqVUEsa4UMB/s1FOdzAtksRj6VZlnebKh9oxzg4xUYQuqqBgduOppre7Qn2K7xMF4CquM5PJNTWsbxsGEe4jpmp7VPOlWNvuqeR61rXk8cMWYgqj7u89z34onV5dBxp31KFyk0luplZVbd8qg+vauZ1B/LBG4liemMVoXeoqhLzOW8vke9YkME11M8jEszEsxY8KK2w9NrVkVJX0GhcDe/NKVJjBwNzHP0FSBPOnSKJd6jljnrTtjHtjPpXfdGABGfHTk4AFTOCFKM+RH2HTP9aSQeVNtX5flznvzTEkUIcj6Cs3qPYljtnuVYhc7cAAdqn0+Y2z4Kqe3NRW086HEDsmTnpVm2gZ5XlmbPJZsn+lZyb1T2KXkXp5vPwWcb2HOOigf15NYMr4uGY8qDjk9a1HQwqN6DLjIB9Ky7x2ZmJQBc4X39f51nRik9Cpu+4638wKCuME5IFXomwzO6HDHiqKIRhh1PGM1ce6MeyNMbz2HJrWpvoRE0PtIEXyxqTjAzWZeSDaOAzAce1aD6fN/Z5lmb96x4y2OK56ZmjlddwLYK5U5xWNOKctGXJuxXkZpJ2kbHtgU2Sd/lAA6cnHWpG2qNo5NQuQAc9RXW9CURliM554prtuyFUqMYy3fipkUBS0gOccAetRyAAgbssRkgdqydzVWJFHyLtI5BzULMWwB04NNB3cdDTsYbHPAwaV9CrahJgdOelO3Ep0AAHr1pHOYzwakKgQqfcD60rahfQhHyYXqW6VIH2fKmGOeSOlRPky5XkKetPB3MiAg89qFoweqJkUMnzfM7cnjjrUWz96B39Pb/ACKJC68A/hntUKsE3ZwS/Ukk4FU2rEpO469ZlVwjbcDBJ/oKk08cBc8A+vWqDSmQjGGUdMd/er9svlQtI+QAMnHrWbd5JI0taLuP126S3zHFKwbHCoev+c/rWTDBtId/nlPVj157U0SzX84uZsLHg7Iwc9+D+Vbul2pCvKw6L1oqS5nyoUI8keaRStosSAuv0qW6LKWK9iQOasOgAcZBO7JxVaeP5Ruf2AHaqjDkJc+czGQ+aWPUgZNSqQOOQB1PrRMioc/Nz0p8W1YC5HzZ474rkkm5HUrKJGDtPIGcZx6UjPuKj8T7cU0EuzMfTjtT1UDnAqdmMBtz13HHJqTj0P503HGePypd59aYGlL/AMfUuP75/nTc88nNJOT9omwcZc9vegDaBxXbE5GPPSikzS5qyBR705etNUc5NSKAGz7VSJYrKQeSPoKVI9x9fc03O5uKlU7Vx+dWQOCoqksenOB3pYyXYZUKB6HNQgl25/KrCFF4BDEdx0oEPwJGCtwM9TT2AEnlw9e5prc4OMVLBhF37RnnvWbGPWMQqACCx5OO1SFN7KTljQqARl39Mn2qS3kCAyNjCJnHqaxb6loR1cMEH+sf26U9reKBRvOX9Kjt5yA07HMjdKWONpGLuSSfWp1HoK8XmLtL4FQIohkwpB2+lXhbrjmmzRpkKgA/kKSn0BojdkDBt29yOBjgVLHcyA5zz/ex0+lQRgFsA8ZxVtWiQEsN/GBwamVrajVwEiyylpGO1R1bvT0uR5mfLGzsCOaAm5VI2rnrjqTUrrDFGAih27kngVk+UtXES9Y7gyhQxJ/Cq5kDYCZAFNZ+NzEZPQAUqkYGRmmopag5NjxtAxyfoKlSQRrwGMh4HHAqMMD0UKB79atWskQZjKmRjAA7VMtgW5EgMH7zDAMeaL+9L4QLuVRx7Vc1KSI6YVRMMU3fjiuZkv5oomSJwC2BkjOKmnH2rv2Kk3DQp3BEt8QFwigcUSSFoDGgKqxwe2R6U1AVDZYkt1PrTSWdsLwAMV6qjZJHLfUu6ZLDB5kkvfpx2p0TteXWIo/3asSFHHpjP61VRUVwrHjGPpW5ZvAlhLhcOy4UnqfoKxqtQ94qKvoZF4rR3JWRg0nfb2ojQYG5enekuEENztJ3MAGc9cE9qvQhZCzdW+5Go9e5/Sq5rQTFa7LFtYOEEuOM+lWTabp5gmAseMn8Aadd3Q06wjgjOZpAGPGcCqxnktbXD4YyKSwb1964nOcm2jdRS3HXJ83yH5VR8pyelYkpE0hYHcASAPcmrd9PujLI52BgSMd+maqLcGKQqiqxb5iCOnoK6KMWlcym0RkSQqJfQ96uWTxwxtczY398nr9Ko3iSQbEkIPmYYkdx1IHpUtuDcT+ZMPk/gHoPWt37yI2LtxqV9fQkxDylYgLu5wPpjj/61ZDR+T8o+9mt8OptnkK9Bhe2BmsqSLKvIFzzzWdLli2ki5NvVlBkcqSeB3NMwKnKCSM7iQvQY780ptmC5X5vx6Vs0JNEJHygngHinJBubaihRjOWHt1pkoIbDjJUUnmuAx8xssNo4yFGKnTqVr0IHeIzMLclkTGX7GgNuk54G0E/rQI8wl7hmZicqoGAKYCCFOQecf5/OspaPQ1jqtSdcvbsSQo6lmPQCnR5cAtyqDoahJGw88buOOuKlMhChEjxngtn2/xqoksVlVbbcwHXj0qOyjWVyz4wTTGb5gX6DtT7I/K5bC8HBPak7NoaukyVkUbioCryB7+tUpOnHp1qwwPTdyD0qpKx6cZz0pVLDhcbGu+T/eNSajd+XELG1AeWTG9/7i9/x4qNSUxt4I6GkigO4lQzMx+Zic5rCMuV3N5RvoS2kALKoGEQdAK34vMih4dvm6qOh/CqunJHE6oY97fxHNW5yisVJ2oRwAc4ranC2rOetO+iKczKm4gFT/WqrESOo6cc1LKwJKkrj3/CqZcIJDu2/JxW03YzgirdPvuOOmf0px3fZz6VCD5kmR0B4qSRXX5CccdK4JS987or3RqKSvJ5P/66kQ88/hTAuCM5496fu3EKOh6kVmihSc4x0FNyaeeFAApMD0rQkvyEfbJt3ADtn8zQOTnH07UXAAvJsf32z+dGWJJ4HPJrqWhzMXFPHApoOBxz70A46mrIHjpT84HrTF+7Sg1aIY5Tj/GnsScAdTUQOD/SpRwck5J/SqRLHrEAPn59qkAVRvOAP5UxTxyaY7NI2xfujqfemSTCYuRxwOgqxGQFXI3EHPTioFQIvPWpVYkADiokl0Giw2+VDuOFJyfeq7Es5jX+LrT5JiiADluwqa2tlEZ3tmRjyc96z0WrHuOiQKvPzN/SrCyFscYUUixgscfMB196QMueVZR7HNYydy1oWuNuenoPWq868qPzPrT1mBP3gQOgK4zTJ35HGBms1e5T2JmKRoQqcKOM8ZNIVWFFaUqjN0GMmq811K0ylQFVcbVPOcdzU0VpvVpJ2ZnIzmnZpXYDHuABhc5zSlx5JBwT79qcY7baApOS20AfTk0xYdylmOEH940e6w1H26bsEj8TViGETO+1gVTqTUYfYCpCk+oPSn25xjccDOcGok30Ghku6KbyyBkHkUF9rSSH/VxjHH8RqveTlZ3l67mziqLCeWIGQkJnP1NXGDkribSY67vJJd4ZzuYYJ9BVLblSyjAUZJNWFhXJ3dOv1NJf+XERHEd2QMnsa6oKMdEZNtlb7wZs4A/WpFh/dggjLc9ab/yx2ds5J9asRo0jZIwhPBx2rVuxILajaSxAHXrUjfu93lcmMDLN60mMyFEOdvU0y5YpCq85k+Y1k22VsVkXc3JJ3HJJPWr9u8dmJJn+bbwuDyeKqxIHk8sHAI65xULSMbZlLZwwJ569quSurIS7lv7RLeXwmZc4IAH06Cr8iP8AY3Msg3FvmBP6VmxyrHgDhUUcL1Yn+VTRJJOCDwigs1YygkrIpPuU3bd+6AH387vb0q5qMEdnb28UfLP87NjrVS4AimiUA7jyfYU7Vp2do24P7naO1aO91YSK9xJLfXCRBs7Bzg8KPSr9tbMjDzH2jHc9hVSx/dsMghj94gZOamv7hW2RW6fIg+aQnqfSm+yAnvdRgS48qDMmz7zD7u7PQf57VFC7mN1CsNxptjaox3y5xkc1Y1K6ksFijtgFkfoSO3/6qiyj7u7Hq9TMkfyi0akFhIq59Mkf41s2tsl9apFBhZ1OWP8AWsu0tWnV2dw8p+ZjirVpL5OTysgHGRVTu46biVk9SlqkflXjK8u7bwM96rICVKrwzkKDnp61JeAm7bL72ByzelNRjD8yrz2zQtlctEdwvyEKOMlTVd1GFIwD35qfypWjKlsAjBbv9ajQDcQT65qZJFxbGiTBDE5Oe/c1KnILMe/51BblXUbmwOo46085XgdjUItjZ1IlIPY+ntTwUjgG8Ftx4UVCVxOcrj2qeT5yAuPTrRvIOhCJP4gNgzwKqg73J7A+tW5RshJJqsvSs5tmkEhasRxuUVmdhH/dU4quOSK14rdntGdV4BwBk1MFdjqSsgt3cMvlMFGcn5adcXKsWbjcTkColJjA9uDVS5lAcbTng4yK7E7K7ORrmY1G86Ry3Zc4qpM5kmKAbj3GaULNM2yJimerCrdpp6W5UfMzdWdzkk+p965ZTctEdMYqOrI4LXyo98nGzoBUDEmYsxyferly4xtAwAT+NUU5JJ4yazlHlRcZczHcnJPNPRsLx1z1pnQZ6D3pUBJrM0Jf4qk2n/nov/fJpFQbxnnjuMVJ+7/vD/vqtUrmbZNc83kv++f503IAxU0w/wBLmY8fM386iPIrpsc9wLZx3GOtLTRTh0poRIDx/IUtNzmlJx9KtEMUU4MccCmKcg1Kn5CqQmKFJ+8cD2qaMhR8qgVFuAFAfHarMyUvmUjp2qVZFU/SqwO0H+8f0qRVyojTqTy1S0BJHkkyuM88A+tWVdlUDd9cVEqLkKOQKsJEhH9ayk0UgMzcLH8v41OpljRQACOe3WoAgVht6nv6VchibYGz9M1jKyRSuRyMSEwoDZ5x6f5xTJsCFMkZLU51aBgwwR6mqvmA7Fzn60JX2G2PWfyo5H4L5IANLNeyzxpEDsRTk7Ry3FVS6m8ZW+6xBPHvU8ZSZjsDBV6ZHWrcVuybvoSROycrxk8E1eiazjiUyl2YdB1JqvHAWQ5IVV5OR1qzFCBJwoP/AALFYzsXG5HLKrn9xE4HqxFKok2fdbHrVmQ+WhwoHHc8CqKziSMZ+6Cck9/oKiOqKZGV3zBpASinj3p89zEjBSqs2MlcdKtxwILUPLIke4ZwT0FUGtVlnCiQnd3bgADvVpxbsS01qVRPHl2n75Ix25qjv37nYckfKCelT3uxJjGhzg9ai2YTcTxjP0rsgla5kw3Myhe30qYTlLXYvU9T7VBjC+maBVtJiLKMsUWM7iq5bJ/SoJGZ5N7nJPH0oJzQKSjrcLkjJ5jqsWVVhgMeM+tV2URTlXGQpwferkbqI8MOcgDjnr61HqhjjXZGQZM7jt/L+uanms7DLOmQpK5klGyLdwfUVcku40vWhRFS3ZQFOBljmseO8KWZgXO9ztJ9B3/wqKW8Z5VkOMb8Kp7KBj9TzWcoOctdik7IfqEo+3SSbt2WwOPSotks8iyy/KiD5EPp61GWNxctKPur6jjNWRZu6hppEI4Xa7cf/X61otFYXmRgeZkIWbOSxWnAAgSS8InEa56mnyxOkjwh1OOu3oBj/wCvUDgEoN2SePpViLC3jG3WNfk7uR/Ko5me6mDNlnBwpJ4A+lRqckYB29uetaenTQlmDQ9uM1DsvesPyGRxNGu2NGywwSe1P2xorGeQA59OtRX0kvnOGkYJnhQAP5f1q1p1h5+2SVx6jc1Q37vM9A62KUsOGLeWcdh61RUeZdvu4VTj6Vu6nMqSpGinzMfdA+vJ9q59W2FgCWYgkkjuacJcyuO1mSXE6BURRuLLk8dKpBflbd1AwcdzVjYGYlup9e1VTIN3yDHelN6GkEDEAjA29gAOlKu1c4+UE8d6Q7nbheMcYpxicsCy7QegrG5sMDF5t55zirBkXfjaR6Ypgh2uM8DsakSHPQ8+/enG9xO1ipcHYJVP8K7hUQ6VLdhxIobac96jrOpuaU9iW3TfJgEA9s1pK0m0B3KsDwB8vFZkBImXHrWlLKqwrjkgcj9a0oJXZlX2IppNkZGM1WjgNxLjBPrTm/1KySE73OFTPQVYZjb2B8n/AFkgwCe1ay952M4+6rlEs0NwzDqeOlXvP/dAdH68cf571lux80AdupFXZX22iAHJcZxkf571lCym0jWd3FNlWdsZ6bsdfSolAUZbpSuowpP3j7UDtnPtisKkrs1grIG5xnr39qkj4KmmMflwBj1NPQYbjqDUFkhDM3z8c9KfiP1FRMwHqSDSfN6/pWtzOxpXBzdSj/bP86jPXmnyEfbJ/XzG/nRj5s11HMR4oFOxTTSGOHApeT9Kb2pw4FMQ4HtTwSQF7VGOTTj3q0QxxPZetSEiNf61CDinqAxy34CqTJaHoOdzdT2qcMFTtkVGF6E1LuTIA/lTZJMjKVGTirKMo49OtZ+Cj8j6ZqRCC+0EH6VlKNyky0X2sq5HPf2q5HKCvHPuaoPHGQMr83QVBK+xAyO359OvSsnDm0KvYu3N2nzJkkr6etUJpll2LCjPLtGSOgpkMUl5IoB2RL0A4z6n3rWtreO0AXKj6GqtGmtRayKcdnLb4mlVSXOSCecVbSfaT5cIXPTLc/yqwAzP8vHP3jyTTkgUcEHnqT1NZSqc25SjbYijbLAMeg6+manNw6oSrLGrcAk5/l0ppDJGPTOMDtWbcyELh3YqDwCeKhR53oVexNd3CtCVhZigYAsQRuP+FWbS3wiSykDJ+VD2FULS3FxKrSkKqnjNbKMJVO3jn7zgf1pz9xWQl7zuOmCPbqA2ADy2Mbj6D2rDvLgbh5QYs3PsF7H+v0q/dEXbiKFFVVz1fORWPekRsqlwZJl3Yzzt9cenaihG71HNldjuYt3NSR4DbmUNg5wajRdx64A6k9qkVS33AcZwOOtegYCtukmYnliccDge1LND5OMnJxk47U8O9urRqFDYycAEinQQSTuDIQQ3zhR6AdT+NRdoZEkLkbsce9XYNKklBJcDjOKieQtMV3lljJAx0z3q6byOC12bm3NjfjPSspzlb3SopX1MmaTZOrDG1csoP8X1pjSNcyru2hj0ycAeppDsFwzj5x2zUTlQPmbk9fc1qlomSNnXy5tgySW6mmIFMjFvmC8jHc0zLT3SbZCVQku3cnjFSxoqYRRwKRaWhJFgIdw7cDHWr8FiksW8MTjgnHU1WhUuwyCVXnGa0rLKvldu3ONrNjFKb5Y6E7szpvkGBxu4Iqsu1pjn5UHUmtS+AWHfEIwGPDZ5xWVGAzYZgBjkmnGV4hazLalZHAgGQe5HX6CryQxWymSVsnHCg8mn2kAhRWDKC3Tp09az7+4F5cKsKrtjH3gKhycnyoLaXZDLJ5s3mMuCWyQDnFPF6yN8nCgdPWn29mZvXA64PSq10q5xGuMccGtLK3KIimupbi6LoMM4we/NIqBQUDbmP3j71CcxEHvjHBpyNwvJyOvFRdbGvL1JZVC9Tj0qpbKkty/B8tTyfWnahLthCRyqrSMAWx0GRx+NTxxJDbxxhcbuWJNTNXdkVF2V2PeQec5t8ED5FJHAx1/GowjM6sSSSDx6D1NOiXjKjHJwKmtuOxY454q7JkXaIJYywaTrsOEAP5n9Kga52x5X5ix47DFaEoZVMXl4LcnJrImUwthlCDoq5zUz91XRUHzOxDJueZMnAUk4FOoRS7j1PFSzJ5ZAX8a5JNydzqVoqwxCUcEcEVbkZiqqeWPP0qov3h9aszAqy5IzgirpuzJqK4wYLjdjrjNS30owoi4VV61TY5cn06U6eQFQqMTjGcfStFOzZm43IQPnJqWWQfZwM47GogcCk4ABIy2eP8/jXNzWlc35bqwmN0gJ7DANSZBI3EcdqbjA5p24KMIMVO7K2Aj1peccU3OT6mpen4CmtxDFBY8Af8Cp+wf89R+dBU7dx9cCl8mT+635VQjRaJhdTu/G52IH40mKsXDKs0hbsx6/WoFBbJPHtXckcTeohA7VHUjDH1pOtJoaYwdPxozQ3WikUOHSncAe/rTBSimiWO+v5VJnaAF5NR+/c0oNUiWTGTapyfypEYgc004wD1pc9qu5Fh+d7liePerKSxxLkDLYqoDgGniQRrk4z6mhq6ESTXDSYz8qj9aiebEbIowWHXGTUcs26QYO7ufSkQybzISMnpx/KlZIerLkEUpKAZXjAq5FNFD8rKSwPUVmma4ZgTKRjpilQuoOOSfU1Mo8wXsb8V1Ht38KOgJ71MlzGbkEnPc8dK5vMxblsHtjtTxJOp4kI5zisHh2+paqG5e3Ig3kn+LeM+hzWL5jXD7yPlP3R1/Go5UnlfzLiRpCegPQfhSxuyPuz0I4xV06XIhSlc1rfEMgjc5xjJB4q7dXMKWWAVG7I45OKwxdN9oDMBsB4X19KY12zOWkjH+yqnH59azlSlJlKSSLbTLFZmSRirEcDBLY+n5fnWTkySNM4w74zSu0k7EztuJxkdhj0peg966IQ5dTNu5J5fyZHIz+dWY7oxqpIUiMcD/P4VTDPgfNgdhSSSBoQq8k+3X61TV9xIJJGLeSWLFlBdsfePpVlHkTJAwW+UH0FU422SMz5Z+uc1rWUaXLqBkgYXH86mVlEetyews1djHHh271au7WG1gZ5OGPGD3P+f506zjihha4QklTjn+L3rH1C5kurkRjPJzj06Vx3lOdos1soxuys8A2B0bOeWP93PasyWcyAKhyvOW9a1danjht0ghGDtG7b6981kQpkha6ud2JjHUmiwkGBwWPQVKoKjnrSBUVxnhVPzH0pd2V3kEccA9vSnFDky3A3kqWbjdxzSNd7pBGvyxkck1A0km4AncFBwpHHNRKrPuJI461TS6kakl5L57ooJZAOCRjI+lLEmX3SfdA5qONDI4b1HBx2qQRs275uO9CHsOaZ7iVtgZVxtH0qzYRIJDvB2gc4HWq1uQpHZR6VqwyolnISPmboAO9TJ8qFuwuLqAWzooIVc/d71iSNgZA3VoxQG4k2jGAec9BUd5bOAkcYA3Pgn2pQSjpfUNzKdDsDv1diFA74NRuzxgqFH1NXdQCRTJApBdACfbNQSAyyhR0zjNTJdTWMitCiy3EXnZxHyPritDzVdgUVmAGAaz0bbJn1HAq2t0EhdgVyowo7ZpU3rqVUWmg6efyVxs+djhVqzYxlRmQ8nljWdEXkczSHJC5JIqYyuo8sNl2PJHArTmu9DPldi/fXO18Ii5UZ69a52Rf9IAPzPyzHNWp5dwEcbbmLZYjsKZHAFUsRk7eT/Ss6j93lRdONndjrMfv+OuOOM0l2oQHDlj1P1p9qm9zyQMc4NQ3ciGXYsgBzyg61lBe6zWT95DQcEGlkcNJgZPHJpgoL+gyayTsaNXBvu4HU01uVC9hQdx+8fwFB4qWykhPb86AelHSlXipKEJLZ6/WjFKeRQnJ4oAcgwRU2BjA5qHlmwOlTgdh+frWkSJDio4yRwODRsT3pGfGQPwzTMv61roZ6mhOWlvZsDjzCAQOnNTIoUYz2pkrKLmXJwNxH61C83mTBYzx3NdS7s5X2RK75X7uD3qLnbzU6RAJjOKil4wB0pvUS0Ggc570jH+dKp4o2gnJqCxtSAZoA70Fuw7UBcAOeaXvUeT1pckmmIkJxSb6Zkn/ABpVUd+adxWBny3y0pBLAscn3NOUDtT8A0ahoIgVRkjcewp4OeW6+npRtHGOKAmPuk1aIbHHC4oUt2z+NIIznJ5/Cp4Y8nDZFGyECQydgeepq1BAwlCsBkgY3CpEjDtkHgdafsXccZJPFYSncpIklaGJduVPHJGT/Kqht1LRhHX5hyORirJtw8ZKqRz1NQRyKuASNwNRFtbMpkc8XkspGORUDJhWkL55wM1ZuDubaMkLzI2Og9B71VlJMgVhjaMEVrBtolkKx4Ubmxgc00jFWFiYk8Z9BUMgO4A8VqSOVgImHc8E+1RbDM2EOBnHIo+8QH4B61YWbDBV+VRwBigCiU2MdpJzxVi3vHttwRirMpUEdRnvUpijkYnJUg4yemP/ANdQTRnzPLTqBkk9hmo3LuaY1a2TTzbqSAAuW7k59axnvmMpaPc0jnj2H+NL5OVySQueKcUMUJUHbu+96n8amMFFtob13KuXaYPOWZu27+dSQENO+SAqrwx7eppV+VZCUycZA/D/AOvTFibZkthsZJxS1L0F3LJMUThFwW7ZqdiZZFVgqr1JqtbYG9ic55JqdRthZmQZIyM81UXcmSsJNJhi28E9qEQOuwO6oG5IHXPWkuFCXCRIu6UkZORxTo1l+RIwG2L94nnPrTvqLoaNvp8sqqUbCk9+MAVJewraQhRIHd+OB26VWE12u1MjAHApHMk1yGlA+UYUegpWm35E6GhZWwjtwHUcjvzUODPI38KKTgdAADTJbi4ZnThNwACr2H+c1HcSiGBguQNvJPrU2k3dhpYhW4eK8Kxn7hznsOn9KvWt2dj3G1ppWQhf9kevNYYO5pAO67T/AFqdpJBbuPMCR7fmJ6mnJKQ7NFVcM0krfO8hJB6/Sn5IXjI56ihgsQRVIG47QKmePbGoB+bNK2potEZ7YD4QYA6U9gjDC9uufWnPA2c8k/Wo+n1FYvRmy1RI05MaoSFVf4VHX60wDzGJ5oj+VsgZPWriAJbks3zEjPHqapXloiXZahGkUcTAAAqDkiq8shMJ575I9asOzMuxPl65NZ8rt5bRp/HjJ9BmrdkiFdsGdizbTtyOo7VDHEsa4HOeST1NSDgYpDXK5M6UhDS/dUfnSCg9agsO+aKSikAhpd2FFN9aUDNIYZJHpSgelLinou6gQ+FDn5QMDuakAYruLZ54pmSrFc9OPWpVBZhnlQMD+tbwRlJjGVVUZ61H5kX95v8Avmp22nOAScfhmocH0SrcSUyxcMTdTYOPnP8AOlhITOe/UmnXKHz5T23n+dRYx1qk2iWkyy0oI4bjFR5z/wDrqHdSq2O9ac9zPkJSMAU8elQls08Hv3ouFh/c0jfexjFJyVyMAUu35uTknrzTEJTvpSkcj3pMUALRkU2nDg0xCipBUee9OHPWqRLJFIOB+dSgdhUIPTAxUgaqILKc8DGO9SADioFbAwOOOlTR42nNZMaJTtGACV980hkljyqfMCMLxzTFYswbHQYGB0qzGe5GB345NZvTcojiudrlJflGTjtxVOSdYZGMO0nPB6gdvzqzdqW/eHBCj5jjpVGZFRsBgST61cFF6idyVHyQ7nOCSvux7mpZD53KL9z5SR375qsPlPXOKtW+4R/KCWfk461UlbVCRC8rRxcYXPAJqKR1LJnrjOB1+ppzx7Mp3z3FMiClipJPqVOatJbiH2yLJcAy/KmcAHvWnBp6yO28ZGCcio47feiHyyjDuT1/ClmnFuGRULSAZ+939KxnNvSJaS6lK8jEVxsQHhQx/wA/hUcWUZmI6jHP8v1q2AHbLclupI7DtVmC0jMbySNgcnoTjNVz8sfeFa70KSou1FdVAznn0FVrpleQysfkU8KABuraWwNwuG2qSBuJOOPQVn6pB5bQwIM4cnOeMUozTlYfK0jORDtLPjLtnHoPT9KiuXCW7jB3MQAQM1o31sLfanmLuZdzE/w/5xVHaqRtNjJztQ4x9TWmjV0F+5ViP7tU6cDOauBgc5JOBkc+3SqroUg3nsCTT4snBUkZHbqayi7PU1krrQSQDzGcFi3pVqzm8kfKyqCMs7c/pj2qmzuHwcnPQd8U5QfLVSc/Squrk8uhux3XmFZCFJxhSFAwP602+uYlJ2KBgfiTVRMpEF6HFRTuWjLE4Vfu0cmtzO/Qtw3cNsjSS/PKATg92xwKpXc7Xbea/wAiqMBQeDx/n86jbnJHQDv6nkmondSMvn5c4wKeidxpMbES7MqjljgZqW5OGSLdtA+Zhgf/AK6rQTGPLKoLHpntQ0ipbncQXVQWOMc96lM1aHgkqszHPNP+2J+8kfJCDhR3wKrrGJcB+FU569KGPmsSBtQcLxioU7FOCY6SRkhG+RfMbO/BBwT29qhQbRj35pzA7diD+LJqVokjhVpHClui9z6mok3IqKURYMBmzkntxUhcmLd0AbJxx9KrI4WJnzg8Y9yacSXRY8kIDk04NIJK5OHxlgN23k1ngszuzn+Lj6VfVA8TKO/eqRG1iPQ0Tb5QglzAKQ0tNJFc5uAoJ9KSkOBUjFNNpaSkMKeOlMAzTxSQMdwE5/Cp4MKuScc+nJqDHI7mp0TsfUcA9K1juRLYIUPl7uMY61KhGc9cdMd6ZM2QAPoB6Cml8P8AKM5HrW+xjuCpubZkn1xT/s6+o/76oX92qluSTySafk+lFri2J7n/AI+JP98/zqBgoHNPuX/0qUf7Z/nUDHP41ehOomMmgqRR5mKN9RoWLu9aXfhR6noKYTn8aTPzZovYLXLAb0PAp+ear713HHTPpTg+fYetWpEOJPvywxStytMXFKXC8GtLkWAUU4EEj9eKD939aLCEycYp/Q0ylzQBKvNPBwRUIOTzUinJ4/GtEZsnBHP0pyt2J4B71CozUm0AZz9aGhE8bcfMcetWInG3djrziqSFNwDZPtVpcMOF4HrWMkUhLmZJI/LA46k5rOLF9oHHPftVtjt+Y4wTgcVSkKs3zY2bsEHvVwVkJ6ssQMC/3C3oD3rShVjgkhMDkjmqMVyibiq+wpxuXdQvOM+tTNN7DWhPf4VA6nOByCM/jVKDGEU53Z5bNWfN3QshiMhbrjvVQSSRs44Tc2cDnA7UU00rA+5rK0tvC0xI2qBzJzWcJHmlkkY5LkEYXGKhlkaX7zMwHA3U9JSkeFyCeM+nrRGnZ3BvoXYQGZupwMZq3bgzIqrtVQdxJNZjyl0VFGEXoMU9vltQVJHPIFRKLY07GjdXDQxkRSbgp+bHUj61iNeMJpLl2BwNq5/lQZyN23kFdoFU2XZtU8kCnCmo6sG7kjvLMwe4fPHAPoKnuNiaerNzIzDb7DFV42Xzg7jIB6VHcStM43EgLyFx0rXoFtQnQ7MHG1h+FRWzZ3c7ewwKcZiIzuxntUCEqzYJG7qR2rOTWjNYp7E9qvmTvNJjH3QD2FWP3YG7a2O3NU4HRN3pnvUryAxog60Rs9RSTLMj7m4JPGT7VCxLsATwM596QAYAHfFN3hBI7cKBV8xHKNeRgqocYXknPJqDLzMQBwx6U3c87F5OA3AX0GKvQQhNhIyx6jPSsm23ZGqSSuyu8e1WXILbc8dqaEB3cfSrZt8HpkHjimbPLXJ65IxScBqY2NUEZ3Z5HIH8qXYhUdj0Ap6x9Bjk1IbYgA5qlHQly1IIoQS2cfVj0qpKgEoBAJAxnHb/ACavuPLgY4yccfWs9yTIGbrjGKmSSRUW2xUUHr0FSEjOAOO/vUW/aoAGTShvkPJB71kjVlqORUXLcVnyXKzTExocY6+v+f61NJ8yjd90Lz71EuBb5Ufxcn1B6U5S0sTGOtxvJ60v0pe1GMVzm4hpp+9Sk02kAUtFJSGOUZp44f8A+vTQOP50udzdOKpCY6MFmGPrx2qzHtBCgH8O1QrnG0cD+Kn7hjI4z0yK2gupnIR2/efr06UsC/L5jnFRkjAx94+/SnO5SMIvJPpVPVkbIcz+ZMAOi+vaj7Uv939R/jTAjIHMjbOuf8Kj8sf7X5UcwWLNy3+lS/75/nUJYk0+4/4+pf8AfP8AOmAVPMyuUBmnD2oAp23NGoAOlKFz1pMYpQaokCvpSZ5Geg9KdmlGPSnYLiCX+7+dORi75PAHT3pknbA5z0oRj3xj6VXM9ibLctF8Y7inDkgHrioC3y9fpT435z6+tapmTRNs7gU3GTTkYsOaeU44q7XIuR5wcdzUi+1REYNKGOMdKEDJw3O0Z98U5SAo4z9TUKnH9alQZOT+VUQObMTBj0PSh7pmUgcA++KWV98e1QOnU9qqn5Tg+gIzS33GOllY4I429KhjACgtz36daJG7U6MfKM0myktCaNvlyeKerAyZDYx096YFG31p4HQg49qoh7kwlbGFO0YwOlQ+SwYDH3j1JqZEBI5/M027QJh+S2Qo9qnRMBsI3PtAyc4LdhVtFMs3QAKevp71VV0h2Mnpj5fX2q7agypuA2hTnJ6t/wDWqZt7jRcSyRwpYnb1PHWq11bBN0QdVDncD6KOtT/alF0EVQVC9MVBqMreaNzfNtyMfw1zRc3I0aVihcRrHHuTJVcj6ntVPYWbLnkipbmfzREiDCqSzc9TTdhCGRvyrrV7akESkDIIyfem4H8e1R7Uhf8AeZHv0oWPdkuoZjwFJ6VPkX5kcf766IUKFHI+lWpEAjkyoO0DJWmooifKYyDwemfwpkq/uDGrklhhjnk96Siuo3J9Corh8ELge1SRsGmLFSMdM0zaI4QmcseCfSlU4NY7M23ROz9O1QvgqAenXFLn5aY/PX8BVtkJDoVLuoFaUUPVnbHsKpW3yngYJ4ye1aMZCxjfjmnTXUmo+hERzxnjmotm58HovPJqxIFJwMkfWmAAf1rfcxTsCr83oB0qUDGMbsY70Kvy5OM0jyeUm4jigV7lS43D75BXqaz2ZnmckYXOFFWLm4MmUQcZGSTUCj161hVfQ6KSChh364paUKWOBXPY6LjMPcTKg4UDJNSXflxW2yIEDPHHJp6BUyFHJHWqO3MjNIxZwSOe30p6JXZOrdkOPFFJ1oNYM2ENJRRSGFOUU0CnqcA0gFY9h0pVHf8AKmgZPvU0IAIz6VfUkeE2rluBUTuWwB67jnt7VIxJ5JJOeaZBy4PbPetdjPcWVTGqYHVuTQobzS8uCQMj8/8AP5UkoDXC/eOPyH0pXfLYHUjGaLAG4B2zzjn1xTt/saYAM7OgUZP9Kk3D+6KdwCcf6VL/AL5/nSAc0Tn/AEqX/fP86aDz1qUNkoUVJgBfU+1RAinrIABxWsUjN3HCMYyabt4z69KUS7uopdwYjg49hVWRN2MxxSip0iBUk8Y7VGUAbAo5WHMM2j8aiZNvSrJhbFQPxwDik0NMFOfbjFSJj9KgU4zn0qVD8o70osbRYWrCEHrVRTyKnUAV0RZhJEki+lQHg1KG9TULdf0qmQiQNTwSFPOAetRZwab5u3n8sUkxtE3mhR8q5PqagkmMjZJJPb0FR8knec0hP5UnIaiOHLZPIFTpzycVAtSg1KepbRNnmnKcHio1HFL+NapmLRYilCfN/F/Km3MwkUDO45znFQkdB+OKDksO5+lKyvcCTbtXeyglhhM1fgLQoAzfw9jWfn94GlDNtG0AHgVJJOXVQB1OT6AUpK6sGxZjIYvINxXP51TuGDb2J5P8qvLdRxQhFTPy5Yk+1ZjZbJbGM/lUx3AaMDGabPNvjCDgdz/hS7h6UQxeZln/AA9qq5VkNgTCk9OODUkQZWEgGcHvViKENkZ79afKoihVQAFYdMehpJWByGNEiwFtwyeT7D0rLupA82IxtU54z2q6szfZSuT82eSKzc7nJH06UpuyHBXYqqFXCjAFLRmiuc6QzQq5bjkk0ZxUtsm6Tk4xQBYERVAo6ipUTdgnt0o4VRjke/ekRz611RjY5ZSuOPHFCDdTM5fFSocYqyB3CrzVK+mBUJGcnpWgMNnNZt1t+0EDoOlS3oOKuysBjim9OKUtTRy1ccjtQ9Rk08ttHHXpTegpCQOtCEyOSU7iq59zUKrtHuTk896e5AkOPrSVnNvY0ihKQ06kNZFiUGgCkNAxVozjjrSClpAPQZHpUqH5s+vTimDpx2pwJ5+laxIYpXIIQ8DrSI/bPFOz8p21GDhvSrZCHYyCemD3PakUAsvoBQW2gj8qaDge9JjQ7d8zHHXgUnPpT40/D+tTbIv8mhXYOxFc/wDH1L/vn+dRg1Ncj/SZf98/zqCp2KHh6UNnNR0ZqlIVixCFK/MB+dShlVsdRVQPgUrNnpWkZIzcWXhJkEYwByTUJb5upPNRiTlsdKfgmPjk9zWnNdGfLZkwKN988fWhkQriMZqKMjuPzqYOpOApJz2FUmmJppkDxcE4696iDYYjOOat3EuMIOAOtUYsvIS3AH61lOPLsaQlzbllG9OasI3rVcH9amjPOauLIkhzfe4pmDnOcVK/amE8dK1ZmhmfXOPWmM+cAcCnMc1GzdQOoNZtlpC880duPzJpM0q89RxU3KsPHbFSKfxqMHOM04dfSqRLJg2FpQc9KZ2p6YH9a1TMmhRnPXBpwTb0B/GkBxz605WYjiqICSXC7F6Y7Dv9ajySOn600ctyenFLkA80irC5JXk8fWmNkrjNOOS2cU0n/wCvRcEh6ABcEUrJ8gwTjPApq56mnqGZhk8ChWB3LdsgjXn6nNUr6QSXC7cdDnmpnn8mIsxzxwM1mPIXcvnG6pemoRVyWadcKi42oOnr/nFVEB289SakxmkIAOBWMpXOiMbBRRRUFhUiErj6UwdaeBj60ITLTOAiKvsBn0pRkjoRUa4zk9akDYrpTuc7VhwGKXd6VHnd9KXPYVRNiQsQuM8+mazJZCWbt261NcSkMyDpgH61VIxms6kklY0px1uHsKcOBTQKceBXKdOwpNNJ/OkZsUwH35ouFhpGZCT60UZ+Y4orJ7mi2FFJSikzk8UhhTTS5pOtIBF6U8CmDrgU7kd+KSGSbSB6A/rS5wpA703OeScnt7U+LHfmtUQxzEbdo5z05qJRucgcY44FPz+89D/KmKwaZmAypOap7ErccVA6cj1pVALdOM0r4wAOTj8qR/ljAzg5osO5Ip3Nu7A8D3o8/wD2m/76pmMbVUdTyadsT/Iq0yGguji5lx/fP86iAwvvU1wpN1KT/fOPzqPHPNZljaMVKEG3JpmM80WC4yjNP2HFNx2pajFzg08OdvWoyrL1GKAfWqUrCauSRZ5zVyFgB/KqcbetWUkyCFGPpWsGZTRDNKWLZx6VFb/6vPrT7lVQcZyRTI/uDilN6jgtC0m0LlqkiYYHFVCWOBT1YrVRkiZJlnflwM0hxxmo4hliT1oc/NWvNcz5bCOQqlqjPc+tJISSM0Z+XjpWUmaJDh933pw5HFRINy/h371JnsM5pIbHj7tOHHNNB45pRjPUc1aIZIvNSLUakDgU7OfwrRGbJRinbiBheM1FnApR1q0yGhjHbIc9ep9qaDubOeKS5cGRQBz3+lIOcAfWpb1KitCQE9s/jTkTn5v/ANdNB9KRnxndQBIZFGOgprXKqDjJIquWAPNMLcEZxQ5JAoXCWVpZCX4HYUzoBSgd6COaxlJs2jFITrSY7048ACkqCwoop3SgBV4pc80gpcelUiWSA4pdwHU5pmPc0oAHIq0yGiTcTwMgU1pQo+XmomkPIXNRtxxT5rCURGJaQsaZ1pWPGB0poYDpWEnc3irC0EgU0twabk9ai5YhO40uaaPpTjziouVYTuaKKKkYUn0opQMtgelACEcUgOKe/HANMpMBF5en4yMUwH5yaeP1oQxcGlyQMDv15p7jy0TJ65zSKOhPftV2aIESInnoT6VIY1RdoU9euacM8bicelErbmO3OCMDJrRRvqQ5CzrtVDnnvjtUTfcz6VLcc8rzkDioWOV2+tU1YSdxemO3FM3t6VIkZkbj8/SnbP8AYNQr9CtOpPOv+kyf75/nVd1wRVy4/wCPmX/eP86qSH+laOOhClqSLyMD6U7yxx7UxO1TDkDNOKTFJtDUUkYPNRyIFGe+c1bUDafrio3A5q+RWI5ncruVkQFuMiq7bQ2A2atsMLxUMoA2/SsZLQ1ixiHmrKnYOcVU6Gp15j5pQY5IbOcqRk4/nUcbHauaJPu0ifdP1ok7sIrQnQjvTnIJyKr5I6U9DnOaaYmh/mEL3A9qUTLnGetRTkrbuR1CnFQr0p87QKNy24GCxqPd1xUG4tKcnNSjtScrglYehwMVIGwfwqA/eFOXqaExtE68gE0/NRjvSn71aoyY/J49O/NOU/lnrUIY7yM8VL6fSqTJaJM0bgoJJpq96jlPGO1Xciw1W3yMxzye/pUn8Q6dPyqP+Ae5p4+5UXuzSw4MT06VHKxOFB780FiAKjY/vPwovoK2op/L2FIevAxR/jSE4OR15NZs0Q4jtRTVORn2pNxxQA8+9N7e9IDkfhT16UhiAZ+lLiloHSnYQo70U0npR1H4UxDgcdTSF/0po703vRcLBu680jvkkmh6Y1Q2WkJmkBzkmlPWkrNstIM5+lFFFSUNNFB+9SCpGLSUUtACgZ+lKBgUD7v40Y/QU0hDGPWmnkU89aYe9JjQJ0zT17UxfuVLH94VKGyTyiV8xgemAT2pAOnrUknRB2zSTk/aAvbYDiujl0uY82o7uMdc4zTZg2/Ld+n0pVOBxxxSTdj3xVrYl7jCx246H1pFGT6CkPWnqSoyOtZlk2WDCKIckc461Nlv7kX/AH8qnuO6TnrwfpgVb8x/7x/OtVoZs//Z)

# Part H, Lab Production: Areas at Risk of Tree Loss

**Measuring Land Cover Risk in the Adirondack Park**

[Link to Video Walkthrough](https://youtu.be/kRiUUOXY_m8)

**Problem Statement**: The Adirondack Park Agency is concerned about some cases of small-scale illegal ‘logging’ within the park. Park managers think that local landowners have been cutting down trees for firewood. The Adirondack Park Agency has asked for your help to identify locations likely to be targeted this summer so that they can position law enforcement to prevent loss of trees. Here are the criteria that the park managers believe create elevated risk for illegal tree cutting:

1. Sites within 300 m of roads are at **high risk**
2. Sites with slopes less than 10 degrees are at **high risk**
3. Sites with hardwood trees (land cover value = 1) are at **high risk**, and sites with mixed, but predominantly hardwood trees (land cover value = 2) are at **moderate risk**
4. The Park Agency is only interested in lands within park boundaries[[46]](#footnote-46)
5. Also, the Park Agency would like the final map in the same spatial extents, pixel resolution, and snap raster as dem250k[[47]](#footnote-47), for consistency.

Use the files in the Lab 6 folder to identify high composite risk (meets all the high-risk criteria and within park boundaries), and moderate composite risk (meets high risk criteria for roads and slopes, moderate risk criteria land cover, and within park boundaries).

**Map to be Turned in**:

1. Create a map for the Adirondack Park Agency highlighting areas at high and moderate risk. For visualization, make low risk areas no color and overlay the map on a shaded relief background. Also include the outlines of the towns that overlap the park so the managers can figure out jurisdiction. Include a legend, scale bar, and title on your map.[[48]](#footnote-48)

**Questions to be Turned in:**

1. Create a bullet-point list of the data layers that you need to complete the risk analysis.
2. What is the pixel size for the DEM raster?
3. What is the pixel size for the landcover raster?
4. How many pixels (within the park boundaries) meet the road distance high risk criterion?
5. How many pixels (within the park boundaries) meet the slope high risk criterion?
6. How many pixels (within the park boundaries and in the resolution of the dem250k raster) meet the landcover high risk criterion?
7. How many pixels (within the park boundaries, and in the resolution of the dem250k raster) meet the landcover moderate risk criterion?
8. How many composite high-risk pixels are within the park boundaries?
9. What is the total land area, in square kilometers, of the composite high risk within the park boundaries?
10. How many composite moderate risk pixels are within the park boundaries?
11. Describe how you can calculate the area covered by the moderate risk pixels.
12. What is the total land area, in square kilometers, of the composite moderate risk within the park boundaries?

1. University of Massachusetts – Amherst, ArcGIS Pro Edition

   Written by Forrest J. Bowlick, Bethany Bradley, Sophie Argetsinger, Steven Bittner, Brit Laginhas, Chloe Thompson, Connor Hughes, and many others [↑](#footnote-ref-1)
2. And fans of Karl Marx [↑](#footnote-ref-2)
3. Which contain pixels, don’tcha know [↑](#footnote-ref-3)
4. Run length encoding example from Penn State, <https://www.e-education.psu.edu/geog486/node/1879> [↑](#footnote-ref-4)
5. For installs in the computer labs on campus, this should be the default. For virtual installations, use the workflow in step 5 here: <https://gis.library.umass.edu/toolbox/desktop/virtual-desktop/> [↑](#footnote-ref-5)
6. We provide both a tiff and a grid file depending on your preference. Both will work on a local installation. Only the tiff will work on a virtual installation. [↑](#footnote-ref-6)
7. Be careful how you set up your classes! If your classes ignore parts of your data (500-600 instead of 0-500, 500-600, 600-above), processing tools will not work properly. [↑](#footnote-ref-7)
8. This is not permanent. You could redisplay it at anytime – we’ll check out how to reclassify something permanently in the next step. [↑](#footnote-ref-8)
9. This question is trickier than it appears. How many classification ‘lines’ do we need to set? How many different ‘bins’ of classification are involved in setting this scheme up? [↑](#footnote-ref-9)
10. We often use this schema, of 1 = true and 0 = false, in raster modeling. This is referred to as binary modeling. [↑](#footnote-ref-10)
11. Or go to Toolboxes > Spatial Analyst Tools > Reclass > Reclassify. [↑](#footnote-ref-11)
12. Keep thinking on that last one [↑](#footnote-ref-12)
13. You can search for this too! [↑](#footnote-ref-13)
14. From ArcHelp: ‘The default cell size is the shortest of the width or height of the extent of the input feature dataset, in the output spatial reference, divided by 250’ [↑](#footnote-ref-14)
15. This helps with processing and consistencies in model outputs. [↑](#footnote-ref-15)
16. Make ArcGIS do the work! [↑](#footnote-ref-16)
17. We can use this in all tools or set the entire document to certain environmental conditions. [↑](#footnote-ref-17)
18. Extent sets the boundaries of where these tools will actually ‘do’ processing. Snap Raster ensures the resulting process matches the orientation, size, and shape of the feature of interest. [↑](#footnote-ref-18)
19. “Wait”, you say. “Why does extent say ‘As Specified Below’”? When we choose the ‘same as (layer), if fills in this extent bounding box for us automatically. Thus, specifying it. [↑](#footnote-ref-19)
20. This is what you named your output raster, remember? [↑](#footnote-ref-20)
21. Screenshot next page [↑](#footnote-ref-21)
22. With raster processing, it is very important to keep your processing goals in mind. Otherwise you’ll have no idea what’s going on! [↑](#footnote-ref-22)
23. Ha [↑](#footnote-ref-23)
24. It is hard to math with letters [↑](#footnote-ref-24)
25. **Typos intentional – do not copy and paste!** The correct format and syntax is in the screenshot. [↑](#footnote-ref-25)
26. Yes, that’s the double equals sign. [↑](#footnote-ref-26)
27. Where have you heard ‘be clear about GIS’ before hmm… [↑](#footnote-ref-27)
28. The double equals sign did this. [↑](#footnote-ref-28)
29. A raster calculator downside. [↑](#footnote-ref-29)
30. Trouble is raster calculator’s middle name, after all! [↑](#footnote-ref-30)
31. Most of these help pages are useful but fairly dense, but this one is really nice with example illustrations and such. [↑](#footnote-ref-31)
32. ==, really? [↑](#footnote-ref-32)
33. Yes, that’s a symbol. Shift + \. |. Never thought you’d use that key, eh? [↑](#footnote-ref-33)
34. No data and 0 are different, remember? [↑](#footnote-ref-34)
35. Remember the Pine Marten? This is a song about Pine Marten. [↑](#footnote-ref-35)
36. Remind yourself of this process on page 13/14. [↑](#footnote-ref-36)
37. Or display, really. [↑](#footnote-ref-37)
38. They should be! [↑](#footnote-ref-38)
39. These names relate to the files you’ve been making. Do you know what the files you have represent? [↑](#footnote-ref-39)
40. In non-Raster calculator language, we are asking Arc to create a file that shows us where all of the conditions are true given our file inputs. [↑](#footnote-ref-40)
41. I removed the basemap for ease of viewing here. [↑](#footnote-ref-41)
42. Seattle Seahawks-reminiscent color scheme notwithstanding. [↑](#footnote-ref-42)
43. And the Green Bay Packers colors, apparently. [↑](#footnote-ref-43)
44. The coolest looking product out there. [↑](#footnote-ref-44)
45. Great for visualizations. [↑](#footnote-ref-45)
46. Ah, wouldn’t it be great if there were some kind of Clip tool we could use with raster data…it’d need to be called something really simple. Like ‘clip raster’. [↑](#footnote-ref-46)
47. See part D. [↑](#footnote-ref-47)
48. You’re not getting off that easy, more stuff on the next page. [↑](#footnote-ref-48)