**Analysis of Video Game Sales Throughout the Decades**

Submitted by Group 5:

Aaron Dzaboff

Alec Countryman

Colby McGrath

Jacob Swinton

Submitted to:

Dr. Qihang Lin

Submitted on:

12/3/2019

MSCI:6060 Data Programming in R

University of Iowa, Tippie College of Business

**Introduction**

Video games, like social media, reach many different people through an assortment of modes. They exist on our phones and in our homes and have been prevalent for years. The idea of video games has changed overtime but the important aspects have remained. Attributes such as ESRB ratings, critic scores and genres have stayed consistent throughout the time video games have been sold. Our main focus is how have video games changed over time and what story can be told regarding their evolution.

Important questions like, “what genres sell best and how has that changed over time?” will be answered. Another key insight to be addressed is how ESRB ratings affects global sales. To answer these questions, a dataset from Kaggle was obtained as a .csv filetype. This data includes the columns and data types listed in Table 1. These variables will be used for analysis to answer the previous questions as well as additional exploratory investigation.

|  |  |  |
| --- | --- | --- |
| basename | String | Unused |
| Developer | String | Unused |
| img\_url | String | Unused |
| JP\_Sales | Double | Unused |
| Last\_Update | Date (%d %b %y) | Unused |
| NA\_Sales | Double | Unused |
| Other\_Sales | Double | Unused |
| PAL\_Sales | Double | Unused |
| status | Integer | Unused |
| Total\_Shipped | Double | Unused |
| url | String | Unused |
| Vgchartzscore | Double | Unused |

|  |  |  |
| --- | --- | --- |
| basename | String | Unused |
| ESRB\_Rating | Character | Used |
| Genre | String | Used |
| Global\_Sales | Double | Used |
| Name | String | Used |
| Platform | String | Used |
| Publisher | String | Used |
| User\_Score | Double | Used |
| Year | Date (%Y) | Used |
| Critic\_Score | Double | Used |

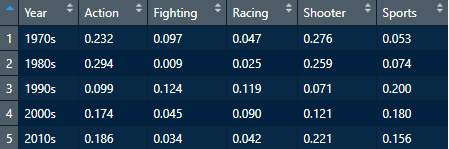
*Table 1-2 Unused and Used Variables*

**Analysis**

There are countless insights which can be drawn from analyzing consumer behavior over time, especially in the context of emerging forms of media. Our data set chronicles the transition of video games from a niche hobby to the influential art form it is recognized as today. Widely available in-home game consoles emerged in the early 70s and have grown in popularity ever since. While our data set spans from the 70s to present, the questions we intend to answer look primarily at modern gaming. Modern gaming, for our purposes, is defined as gaming from 1992 to present. Through analysis of our data set, we have found answers to the two questions posed in our introduction.

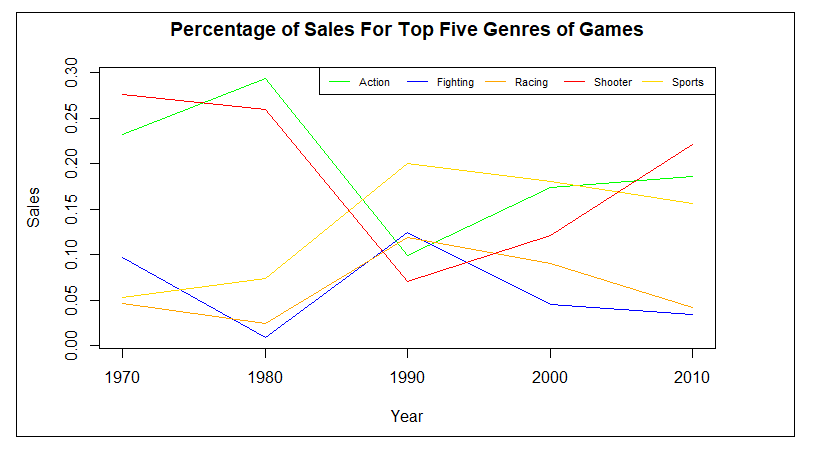
**Question 1: Highest Selling Genres Over Time**

While video games have humble beginnings in arcades with limited genres available, the number of genres has grown drastically in recent years. Despite the broadening of genres, there are several genres that have remained centerpieces of the industry since their introduction.



*Fig. 1 Most Common Genres by Decade*

The pivot table displayed in figure 1 shows the five most successful genres over the past five decades. The cells denote the percentage of total sales in the binned period derived from the noted genre. For example, the intersect of the genre “Action” and 1980s returns the number 0.294. This number means that of sales in the 1980s, video games in the action genre accounted for 29.4% of total sales. This pivot table is further visualized in the time series graph shown in figure 2.



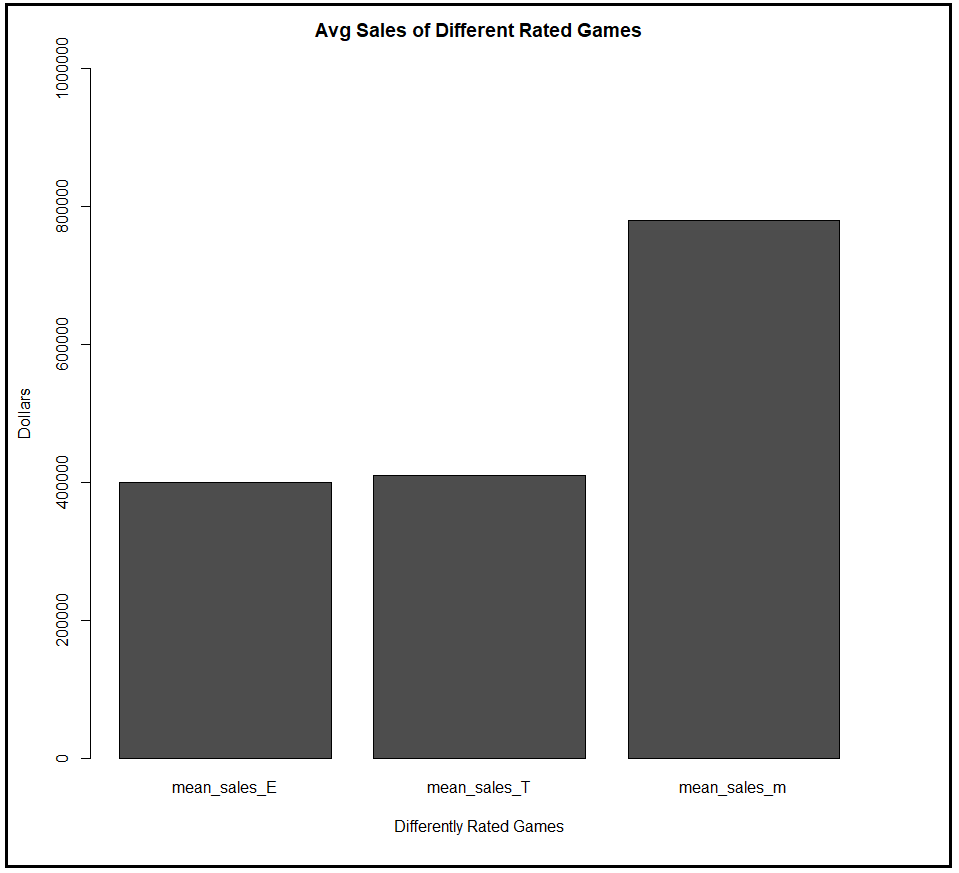
*Fig. 2 Most Common Genres by Decade (Time Series)*

The collective percentages for the five genres displayed between the two figures account for a progressively lower portion of sales over time, with a slight uptick in the 2010s bin. While this may indicate decreased popularity, the more sensible explanation goes back to the fracturing of genres over time. The action genre is a great example of this phenomena, as the genre has fragmented into other genres such as action-adventure, stealth, and survival games. This dilutes the percentage of sales accounted for by games strictly identified as action. On the other side of the equation, shooters account for an increasing percentage of overall sales in recent years. We believe this is attributable to both the increased popularity of shooter games in the past 15 years, and due to the fact genres such as “battle royal” have been categorized under the shooter umbrella.

To answer our first question, and address our hypothesis, we were materially correct on most counts. While we incorrectly estimated that strategy would be the most successful genre in earlier years, our later predictions seem accurate. Shooters have grown in popularity since the 90s and show no sign of slowing down, and first-person shooters fall under this category. Finally, although the data set does not categorize battle royal games as a separate genre from shooters, nor does it include all the commercially successful battle royal games, their growing popularity is readily apparent in modern gaming culture.

**Question 2: Highest Selling ESRB Rating**

In the early 90s, as videos games like Mortal Kombat introduced on screen violence that some detested, there came significant public outcry demanding a regulatory organization capable of evaluating the fit of each video game title for consumers. This resulted in the introduction of the ESRB which determines a video game’s rating. The primary categories used by the ESRB include E (everyone), T (teen), and M (mature). In our analysis, we focused on these categories and sought to determine whether there was a category which significantly outperformed the others.



*Fig. 3Average Sales of Games by ESRB Rating*

As can be clearly seen in figure 3, the mean sales of M rated games significantly outperform those of games with a rating of either E or T. Granted, M rated games beating out the competition is not the most dramatic revelation, but the fact that M games outperformed the others by such a large margin is shocking. To explain this disparity in sales, we visualized one other factor which could account for some of the difference.



*Fig. 4 Average Critic & User Scores of Games by Rating*

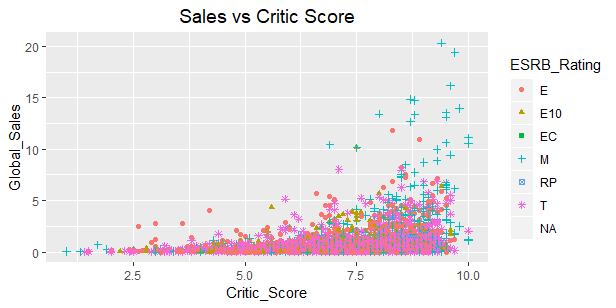
The pivot table in figure 4 displays the average critic and user scores for video games in our data set, broken down by ESRB ratings. There are some noticeable differences in critic scores, with M rated games leading the pack by nearly a third of a point. One would not expect a third of a point to account for a near 100% increase in sales over other ratings, but this is just one variable to consider in accounting for the difference.

Ultimately, our hypothesis of games with an ESRB rating of T selling the best was untrue. Our expectation was that games with a middle of the road ESRB rating would be more approachable for a younger audience and would also prove mature enough to attract older gamers. Perhaps more adult themes in gaming are more attractive for gamers across age groups, or a larger percentage of modern adults are gamers who are drawn to mature games. Either case is speculation, but what can be said definitively is the fact that games with a Mature rating sell well.

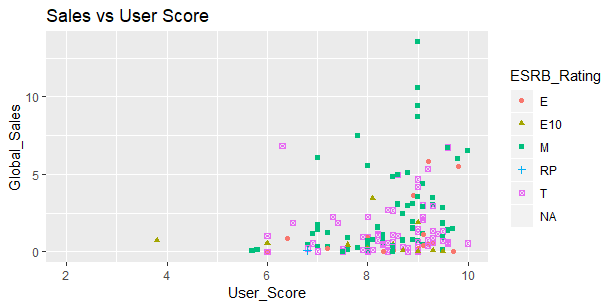
**Further Analysis**

**Is Critic or User Score a Good Indicator of Revenue?**

In the course of our analysis we stumbled onto a final question, that we did not initially propose. Is critic or user score a good predictor of revenue, or put simply do games with higher scores sell better? On the surface this seems like a pretty straight forward question, however much like movies there are many video games that receive high praise from those who play them, but do not achieve widespread success. Similarly, there are games that achieve widespread sales, because they are produced by a successful company or are part of a successful franchise but underwhelm and receive low marks.



*Figure 5 Sales vs Critic Score*

**

*Figure 6 Global Sales vs User Score*

A close up of a logo

Description automatically generated

*Figure 7 Correlation Plot Between Global Sales, User Score, and Critic Score*

Looking at Figure 5, there appears to be a relatively strong correlation between global sales and critic score. Although there are less data points, Figure 6 shows a correlation between global sales and user score, albeit a much weaker correlation.

The first row of Figure 7 makes it obvious that critic score has a higher correlation with global sales (0.50) than user score does (0.20). This analysis leads us to conclude critic score has a larger impact on global sales than user score does.

**Getting the Data**

The data drawn from Kaggle was fairly clean due to the author trimming the old set to only include those records that crossed over with a vgcharts scrape. According to vgcharts website they use their own proprietary methods to scrape game data and cross-reference their data with data released by producers when available. The data frame was read into RStudio using the ‘readr’ package and useless columns were filtered out leaving the seven variables mentioned in the Introduction. Data cleaning consisted of factoring two columns: ESRB\_Rating and Genre. The rating column was factored to produce eight levels: AO, E, E10, EC, KA, M, RP, and T which translate to adults only, everyone, everyone 10 and up, early childhood, kids to adults, mature, rating pending and teen. The genre column was factored to 20 levels including popular genres like action, shooter adventure etc.

Before each individual analysis portion minor cleaning was done to best prepare useful metrics. The data cleaning that pertained most to these metrics was removing missing data and storing the trimmed data frame in a new variable numerically sequential to the previous data frame. Some games had not been released yet but still existed as a record in the data frame. Future games were removed because critic score and was more scarce in these instances and sales numbers had not been populated.

**Obstacles Faced**

One noted obstacle that we faced was the amount of missing data from our data set. In our analysis we wanted to find out how different ratings such as user score and critic score impacted the sales of the games. However, our data set primarily had information on critic score. In total, the column user score had 336 values out of 55792, so it was hard for us to use this little information to draw any conclusions about it. However, we did keep user score in our analysis to aid in our conclusion that M-rated games do sell better than other rated games.

Another related issue we had is the earlier decades have less data. This is probably due to two factors. First, there were simply less games released in earlier decades, something we cannot control. The second factor is the further back we go, the less complete data we have, meaning many of the rows were removed. We only have 29 observations in the 1970s compared to 11293 observations for the 2010s. The first issue is with only 29 games this is probably not a representative sample of the 1970s. The other issue is that when calculating decade percentages games in the 1970s have much more influence than games in the 2010s.

Our final issue is we had to use global sales as opposed to number of copies sold, because the column total shipped had 1827 values out of 55792, with many of those values coming after the year 2000. The issue with using global sales is that the price of games has increased throughout the years. For example, Super Cobra (a popular game released in 1981) for the Atari 2600 retailed for $39.95 when it was first released. Today major titles, such as Skyrim, retail for $60. Even if the games sold the same number of copies our analysis would show modern games as more popular, simply because they are more expensive.

**Function Documentation**

The function we wrote for this project was designed to help visually answer the question of what genre of games have sold the best over time. Our function (“plot\_var2”) takes two different genres (i.e. shooter, action, sports) as arguments and returns a line chart of their respective percentage of sales from 1970 to 2010. To do this we constructed a pivot table to display the total sales by different genre games and converted that pivot table to a percentage of the total sales for each different genre. Further, we dynamically set the main label and legend to display the two different genres of games based on the arguments inputted. Also, we accounted for some user type error so that our function will be able to graph the percentage of sales for a genre if a user accidently does not include one of the arguments.

*![A screenshot of a cell phone

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAYABgAAD/4RD0RXhpZgAATU0AKgAAAAgABAE7AAIAAAAOAAAISodpAAQAAAABAAAIWJydAAEAAAAcAAAQ0OocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEphY29iIFN3aW50b24AAAWQAwACAAAAFAAAEKaQBAACAAAAFAAAELqSkQACAAAAAzcyAACSkgACAAAAAzcyAADqHAAHAAAIDAAACJoAAAAAHOoAAAAIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAyMDE5OjEyOjA0IDEwOjE1OjQ4ADIwMTk6MTI6MDQgMTA6MTU6NDgAAABKAGEAYwBvAGIAIABTAHcAaQBuAHQAbwBuAAAA/+ELIGh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8APD94cGFja2V0IGJlZ2luPSfvu78nIGlkPSdXNU0wTXBDZWhpSHpyZVN6TlRjemtjOWQnPz4NCjx4OnhtcG1ldGEgeG1sbnM6eD0iYWRvYmU6bnM6bWV0YS8iPjxyZGY6UkRGIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iLz48cmRmOkRlc2NyaXB0aW9uIHJkZjphYm91dD0idXVpZDpmYWY1YmRkNS1iYTNkLTExZGEtYWQzMS1kMzNkNzUxODJmMWIiIHhtbG5zOnhtcD0iaHR0cDovL25zLmFkb2JlLmNvbS94YXAvMS4wLyI+PHhtcDpDcmVhdGVEYXRlPjIwMTktMTItMDRUMTA6MTU6NDguNzE4PC94bXA6Q3JlYXRlRGF0ZT48L3JkZjpEZXNjcmlwdGlvbj48cmRmOkRlc2NyaXB0aW9uIHJkZjphYm91dD0idXVpZDpmYWY1YmRkNS1iYTNkLTExZGEtYWQzMS1kMzNkNzUxODJmMWIiIHhtbG5zOmRjPSJodHRwOi8vcHVybC5vcmcvZGMvZWxlbWVudHMvMS4xLyI+PGRjOmNyZWF0b3I+PHJkZjpTZXEgeG1sbnM6cmRmPSJodHRwOi8vd3d3LnczLm9yZy8xOTk5LzAyLzIyLXJkZi1zeW50YXgtbnMjIj48cmRmOmxpPkphY29iIFN3aW50b248L3JkZjpsaT48L3JkZjpTZXE+DQoJCQk8L2RjOmNyZWF0b3I+PC9yZGY6RGVzY3JpcHRpb24+PC9yZGY6UkRGPjwveDp4bXBtZXRhPg0KICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICA8P3hwYWNrZXQgZW5kPSd3Jz8+/9sAQwAHBQUGBQQHBgUGCAcHCAoRCwoJCQoVDxAMERgVGhkYFRgXGx4nIRsdJR0XGCIuIiUoKSssKxogLzMvKjInKisq/9sAQwEHCAgKCQoUCwsUKhwYHCoqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioq/8AAEQgBLANzAwEiAAIRAQMRAf/EAB8AAAEFAQEBAQEBAAAAAAAAAAABAgMEBQYHCAkKC//EALUQAAIBAwMCBAMFBQQEAAABfQECAwAEEQUSITFBBhNRYQcicRQygZGhCCNCscEVUtHwJDNicoIJChYXGBkaJSYnKCkqNDU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6g4SFhoeIiYqSk5SVlpeYmZqio6Slpqeoqaqys7S1tre4ubrCw8TFxsfIycrS09TV1tfY2drh4uPk5ebn6Onq8fLz9PX29/j5+v/EAB8BAAMBAQEBAQEBAQEAAAAAAAABAgMEBQYHCAkKC//EALURAAIBAgQEAwQHBQQEAAECdwABAgMRBAUhMQYSQVEHYXETIjKBCBRCkaGxwQkjM1LwFWJy0QoWJDThJfEXGBkaJicoKSo1Njc4OTpDREVGR0hJSlNUVVZXWFlaY2RlZmdoaWpzdHV2d3h5eoKDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uLj5OXm5+jp6vLz9PX29/j5+v/aAAwDAQACEQMRAD8A+hrX/Wn/AHax9Q8feG9Lvr+zvL6T7Rp237YkVpNL9nVlDh3KIQqbTneflHc1sWv+tP8Au15rJNq7eLviNYaNosmoyXxt4ElS4jjSF2s1XMm9gdnOcoHPB+XpmW3rbt/kVFJ7nQfEi81Kw8F3XiHw/wCILqya1gWSOOCO3khnyw5bfGzdD/CwrodY8RaZoEFu+q3DI9y/lwQxQvNLM2MkJHGC7YHJwDgVzniHwpf/APCl28L6YDe3sOnw2seXC+aybATliAPuk81Z8TaZqkfirQPEWl2DamumxXFvPZxyokpWUJ88e8qhIKcgsvB4ParlZSstv6/ryIjdpNk2q+P9JsfBV74jsPP1GG1WUeTBbSl1lRSTHIAhaHGMEuoC55q/4b8TWviawS4tba+t28qOR1urGeADcM4VpEUOB6rnt6iuasPCerXnhfxqL2JbC78TvO8No8ocWwaBYk3lcjcduW2kjngnGa0tH1+40jw7axa/4e1jTzawxW+6O3F75rBcEqts0j7fl6sq9R3OKStrfy/4I30t5/pY6LUtRtdI0u61HUJDFa2kTTTSBGfaijJOFBJwB2FMl1iwhFgXuB/xMZBHa7VLeaxQvxgdNqk5PGBWdaeKdL1m5Gnx2mrgzqyn7Vol5BGRg5DPJEqjj1Iz0rD8G+GtW0/Ukj1qP/Q9Biks9IkMoczxu+fMIBJBWNY4xnnhzjBFHXX+v60t/wAAHt/Xy/W5vReMdFm1qPSvNuorqaR4oTPYTxRTOoJZUldAjnAJwrHofSq+o/EDw1peoX1jd38hutP2m7hgtJpmgVlDB2CIcJgj5vujoTmuGi8NeLJdT0LUtX07VL7UtM1Vp72ZtVQ288ZEiA28HmhFADqTuVGABGWJ57bw7o17YeN/Fuo3VuI7fUZ7ZraXcp8xUt1RuAcjDAjnFEdVd/1t/m/uB7tf11IvGureIPD2j3+vafcaUdP0+3Nw9pc28hknCjLASiQBCeg+RucV01lc/bLC3ufLaLzolk2OPmXIzg+4zXFeJl1u/wDGUMV34Y1HU/D1iiTwpZXFqFurnOQ0qyzIdseBtXGC3J+6tdzG5eJHaNo2ZQSjYyp9DgkZ+hNC2/r+v68we/8AX9f15Dqgtr23vN5tJlmEbbWZDlQfTPQ/0qprej/2zaJD9pkg2OH2jmOT/ZkXjcvtkUsFpLc6f9k1CAWwjICmyneNWA6bSpVl+n6mn0A0ajuJ1traSeQSMkal2EcbSMQBnhVBLH2AJNRWdhFYqywPcMGOT59zJMfwLscfhVmjS4Hn3hjxRceJfEN3K+pa1axxajLbwWKaOy2xjj4/eyvASrHBJBdSCQMDv1UPinR7jTdNv4rzdbapMILOTynHmud2BjGR91uTgcVU8HaXeaVBrC38PlG51i6uYvmDbo3fKtwTjI7HmuQ03w/4mi0nwnosmimOHQ9UWW5unuYiJUHmgPGoYnbhgTuw3IAB5I9ypSwtepLlaio2trHVWl5K+qS6vX7s7tXfr/wDsD488OC7ktv7QJeK7NlMwt5SkMwbbtkfbtTJOAWIB7E1a1PxRpWk3y2NzLPLeNH5n2aztJbmRUzjcyRKxVc8AkAGuRuvCuryeBvEenxWQN3fa895CnmIPMiN0jhs5wPkUnB54xWobPVvD/jnWNXttJn1iz1iODi0miWW3eJSu0rK6AqQc5DZznjvWbw2E15ZbX05lrbl62st368tlqNt3f8AXUseIvHdnoD6QPsd9dLqc8cYaKznIRHVju+WM5f5f9Xw3OccVZ1fxLaQ+GJb1JdRsVnikWK5/se4ke3YA/vHi8vcACM/OADjrg1B4ssNQ1Ow0W9srF5Z9P1GG+ks/MQSMoVlZFJYJuG/uwBx1q9f/a9Z8HahGNOuLO6ubSaJLW5eLfuKkDJR2Xnj+LvzisVDDKFOVtb+97y79mvxtYpX50umn6iRa5ZaX4TstS1bVVnieCL/AEwwlDcsyjBWMDO5ichAM84xUZ8b+H00m81Ga/Nvb2Dol2Li3kikty5AXfGyh1ByMEjGOenNZF/oGqnwh4V+zWqzX2hyW1xLZtKq+bsiKOit93cNxIJOMjqOtZGveGNc8RJ4h1L+y3tH1COwtrewmniMjrDceY8km1igOGOAGPA9Tit6WFwlSV6k7a94r7SW1uzbvt5aGSlJRWnRHcaV4k0vWbue10+4dp7dVd45IJIiUbO113qN6nBwy5B9aZp95darfzXMc/lafbyvCkaoC07LwzMT0AOQAMHjOe1VE0u8HxOm1Yw/6C2jx2wl3DmQTOxXGc9CDnGKfoTrpM02jXZMchuJZbUsMLOjMX+U9CwyQR14z0rza8acZL2b0aT72fXaxprt/W3+Y618Z6BeWlrcW1/vW7vDYxJ5MgkM4zujaMruUjaSdwGAMnA5rdrzCw8K6/ZfEKPxv/ZUJbUJ3t7rSleMPaQMFVbgNu2Gb5B5mCcqQBkrz2V74gubXxvpegxaYZ4L23mnlvFnA+z7MYBjxkhiQM5Az61zrZd/+B/X5bop6N9v+D/X57GhYaxYalJepZ3Ad7Cc29yrKUMTgBsEMBxhgQehByDWXLrwu9Fi8SaFdm70wIXeJoSoljBIZ0JAbOMkdVIAx1zXK+N7G+i8dWll4duEim8VWzWWpIGIeKGLBN0uP4gjPHnjl4/Sus1kW9roX/CPaVEvnzW32a3toxxFGRs3HH3VAzyfTA5ojdq/9efy/rdA7Xt/X9f11L2tX8ln4cvb+yKtJFbtLGWGQcDINWbCOSKzQTXct2zDd5kqqDz2wqgY/CsrxHp4/wCEPuIYxM7WtsTEsbN85VeAyjhx/skEH0rUsL23v7NJrS4huExgvC4Zc9xxVaa2J10uWaKKKkoKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAqWv8ArT/u1LDZ2tvcz3EFtDFPckNPKkYDSkDALEctgAAZ7VFa/wCtP+7VugAqC+lng0+4ms7b7VcRxM0Vv5gTzXAyE3HhcnjJ6Zqeue8caTp2qeENSOp6fa3ht7OaSE3EKyeU/ln5lyDg+4rahGM6sYy2b/rqvzGtXY0X1RrLw2+ravbNaGC0NzdQK4kMW1NzqCOGxgjI61W8P6nq+q20d3qWl2llbXEKzQmG+aaTDAEB1MShTg9mbn865zVNOstR+BIGoWdvdCDQPOi8+JX8uQWxw65HDDsRzWx4U0DS9N8K20mjaZZWFxdWMXmy21ukbSNs4LEAZ5JPPrXZUpUaeHnK3vczS7adtfzT/Uyg3JQ81/l/malhqbalcSG2tz9iQlFuWfHmsDg7VxyvB+YkdOAetaFed+JWU/s+avEBteHR5oZUzyrqhVgffINYFhpNlY+Nme0gEbWvimGKBgxJjSSwDSAZP8bHLH+I4JyQK8+3vcv9bpfqX9nm9fwVz1P7ZqP/AAkn2L+y/wDiWfZfN/tH7Qv+u3Y8ryvvfd+bd07VoV5/pmjaXo3xxnXSNNtLBZ9A82UWsCxCRzc8s20DJ9zWAJdB0j4hPcI2g+Kr++1YbYyinVtOYvt4+8WijxnnywqgnLd5jry+d/zsN6c3lb8r/wBfgev1Q1y81Gw0ea40XS/7WvUK+XZ/aFg8zLAH524GASffGO9eYeNH0HTPGmoatfSaB4jutsSDQdRQG+hKqMC0zuJLZztCDLH74xxu/GDSNMvfh/eand6Zay39sIfIuZoEaaAGZMhXIyvU9DQtUmD91noI6c8UVwHjPS7TWPil4NtdRi8+2NtqJeFidko2xfK46Mv+yeD3rlMraeA5LKXdH4dtfGM9rfxqdscFgJn+Q4+7EG2AjptJzxmktbf11S/UdrRv/Wzf6HtVZ9hqbalcSG2tz9iQlFuWfHmsDg7VxyvB+YkdOAetcP4Gi0Y+NPF0fhNIYtPa0s/I+zLiAkrKcxfw7Mn+H5c59637DSLPxF8NU0S9UrHJam1mCn5opF4JHoysMj3Aqnomyetjqaz7HU2nvJbK8t/st3EofYH3rIhONytgZGeDkAj05FcH4dvdQ8a63p+m65A6yeE3LaozKQlxfLlYSvquzM3sXj9DXYXX7/xvp4h5a2tZmnI7K5UKD9SpP4Gmkvv/AKv8/wAgb/r+v6uXI9TZdW+wXtv5DyBmt5FfckyjqM4BDAckEfQnBo1TUpLF7SG2t1nuLuUxRq8nlqCFLElsEjhT0Bqnrv77V9Dt4eZ1uzOcdVjVGDH6fMB+NJrIlHiHRTK6vbm5YJGq4cSeU/zFsnK4zxgeue1CV7A3a5uIWKKZAFbHzBTkA/WlooqRhRRRQAUUUUAFFFFAFO20fTLPULm/s9OtLe8u8faLmKBVkmx03sBlvxq5RRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAFS1/1p/wB2rdVLX/Wn/dq3QAUUUUAFFFVtRsYtS0+W0uHuEjkAy1tcSQSDBzw8bKw6diPSlJ2VwIbCPS7uT+19LeGYXSf8fFtLujmHr8p2seMZ69s1frzD4YaHHa/CGzvtO1G6tNQm06WNZrrUJ5YLd8sA3ku5jXawHRR3Hc1o+CnbSNeTQtdj1JNdksTO0kmszX9tdIrKrSIJG/dnJHBROpAJAq2ve5f66g9Fc6bTPFmg61q0+m6RqttfXVvH5kqW7+YEG7byw+XOQRjOa2K4yD/kul5/2LkH/pTLWlfalef2u9peudJscgR3QG43BPbf92P0wRk9iKmKul8/wbQS0k16fikzoaKo3EmqRSBLCztJ4Qow8946MT9BG355q6hYopkAVsfMFOQD9aAIru9tdPtjcX9zDbQKVUyzSBFBJAAyeOSQB7kVHqNnLfWLwQX9zp8jEFbi1CF0wewdWU/iprivjNpkF78P5p55LpDb3FtjybuWJcNcRBiyowDYHILA7eoweau+IvDd7B4ch0/wrqNykkl4s0sV7rNz5l1GAd0SXDM8kecA/L6Hpkmluvn/AJDNvQvDsOhveTm8utQvb51e5vLxkMkm0YUYRVVQBwAqgdT1JNRLHZ6hqF8NKN1aXDIYptRtQoVXBAwA4KO49SjYwQSOlUfB+oWt3oupWumxajBc2Fy9vcQajevdyRTbFbaJWd9y4ZTw3GeQDkU231CbSvhLJqOnx+ZdWmlyTqjDJaZUZiCO53g5pyajFyfYUU5NRXVktgNL8F3em6FH9suLrW7ieVruUq7TTBN7vK3HJAwNowMAAACt6y0+109HW0i2GRt0jlizOfVmOST9TXlVhBbReLPhvdLrl5qV1fwXF1N9qvWm8wtakmRUYnyxkkYQKvtmorPX7y58U+Fta0r7ZbabrWqzQf6Xrs073MYSXINoQYogGUEFW3LgAgZNU01Ll+X6Eppx5l6/mz1S2j0u31i4igkh/tKWMTSo0u6byySAcEkhMggduoFTX2nW2oxot0jHy23oySMjI2MZDKQRwSODXnknhbT7r443yT3GrIJdEjuP3WsXcRLG4k3AFZQQo4+QfKM8AZqjrq39zffEu6OuatCujQRzWEFveyRJBILMSbvlIyCeqnKnkkEnNRzWjzPs39zsaKN58q8vxS/zPWUUIiqMkKMDcST+Z5NLXm63U/ibxpYaXrOqXlpaHw/DqEcNlePaG5mdiJHLxlWIQBflzgbskdKxotZ1rWPA/hDOtXsTXPiZrL+0beQLJd2qmdVY4G07lRe2CQG9Kqzvbzt+PL+f4EJq1/K/4X/L8T2GivOvE2jvpF94d0uw1rW0tdQ1Sczb9TmeTYLOU+WJGYvtygbGcgkkEHGIfhle6hc3VnJfane3pvvDtpeTC5nLr5pZ1LKDwuVABxjOMnJySt/68m/0G9Ff+t7HdaTrH9rxCaKxuoLdgSk0xjw/OOArk/mBWjWB4bhS58D28EryRpJC6M8chjZQSwJDKQVPuCCK4X4d69qOreLY9O1nWbqe0061kbR5m3R/21F5hQ3Dno+xQqgHru8zuCH9rl/r+v66MW0eY9ItdWNxqZsZrC6tJfKMqmYxkMoIHGx27nvitGshv+R0i/7B7/8AoxavS6lYw6jBp817bx3twrPDbPKoklVfvFVzkgdyOlHRf13Dq/67FmsvX/EFt4esoZriGe5lubhLa2trcKZJ5W6Ku4hRwCckgAA5Naled/E7RLW/1jwjNPLfK8uuQwMINQnhUL5UxyFRwFb/AGwA2OM4qeqXdr8WV0b7Jv7kdxpl7Pf2fnXWm3WmSbipt7toi498xu64Ps1XK4HxtZz6XZeFNL0bVdTsY7nXooZZxeyTTNG0crMpeUsWBx0bIHGOgqv45F74L8KW8Og3148eo6xBDcT6jqchNtFJ8rAXDh3jUlQN2GKmQkY4w91p3t89P8xWt91/lr/kejUV5RqZ8XeEPB3iO4udQhtYJHtRZ41SXUZNPR5BHNIZZ41YjB3DO4Ag9hRrrS6Hq3iKw0TXNTmSHwlc3KRS6lLcNDPn5ZAzMWDEYI547YpNpfj+CuNK/wCH4tL9T1eivOoNfkn8b+BbCHU5JGm0e4uLuBZyRJ+7i2O4zyc7sE+9YXhCTxn4nj07xEt3b20y6my6h5muzlViWVke2Nn5PlIwGADu3ZAJbmratLl/rexKd4839bXPYqK8YuLjVIfC3iDxF/buqteaf4peC0jN44hii+2JGYzGDtdSrEYfOO2K6dQ/iX4oa/pGtalf21vplvbPYWVnfy2nmo6kvMTEyu/zDZySox0yalapP+tk/wBSno35afjY9Aorgtb1ofD/AMRQ6lqd/cy+Hb+z8hmnmaX7PcxKWQrkn/WoGXjq6r3at/wda6lB4eSfXZpn1C+ka7njlkLi3LnIhXPRUXC4HGQT3oWuv9f11/4cW39f16G9RWfrF1PaW6NbS+WxfBP2CW6yMf3YyCPqeKh0e+uruSUXM3mBQCB/Zc9rj8ZGIb6Cna4jWooqtaajZX7zrY3lvctbSmGcQyq5ikHVGwflYeh5os2roZS0/wAUaJq2qzadpep295dQR+ZKlu+8IN23lhxnPGM5rWrkIv8Aktdz/wBi/F/6USV00upWMOowafNe28d7cKzw2zyqJJVX7xVc5IHcjpW9enGDjy9UmLq12/yX+ZZoorhPGlnqkmvJfrJcXui2dmTc6fYavJYXET5J87KMgkG0Y2u6gYJGTXM3bcq1ztbu9tdPtjcX9zDbQKVUyzSBFBJAAyeOSQB7kVNXmPxIj03xF8HbTVrSe/Nriylt3+1zRFo3mh+aQBhvO3nL5IPIIPNbXiVLHwt4Zhsbf+17ptUv4raBTrNwJGlfoDcO5eNMLztP0GTy3pdPvb8v8xKzVztKK8l0vVNXtvBXxJtZ7uSOXSBMLUx6nLeNbH7IHwtxIFkbDEnnlTkDpXXeF/DQ/sezv7zWdavLi801Y7kzajLskLqpLqgIEbDGAybTyc5PNC1+5fim/wBA2t8/wt/mdNbXtrerI1ncw3AikaKQxSBtjqcMpx0IPBHUVNXm3wu8O2Nu+tXST6kZ7XXr6NUk1W5dMbyAXjaQq5wc7mBJ4Oc816TR0T7pP70HVrs2vuYUVzc+r6glxIqXeFVyAP8AhH7t8DP94Pg/UcGuijJaNSeSQCTtK/oeR9KdtLi62MvWfFGieHmjXWdTt7SSXHlxO+ZHyQuQgyxGSBkCp9W1qx0SCOXUJXXzn8uKOKF5pJWwTtSNAWY4BPAOACegrn/il/yTu9/6+LT/ANKYqu+JNL1CbWNI1jRntHutPMy/ZbyVoo5o5FAb51VirDaCDtPG4d8jsp0aUoQlLS7knr2Sa6aXvbW/cNblseKNKfRYtVtpLi7tJXMamzs5rhwwyCGjjQupBBByBg8HBpNP8VaRqVtfTwzzQR6cf9LN7ay2vk/Lv+YSqpA2kHPoRXJ+D9Rm0nw34m1q5eG6F1rUz2iwHEcztsiCI3cGUFQ2OeuOcVY8a6S2mfCq9iyZ2EsV1qEgHMw89HnYj02huOyjHatnhaSq+yd9Wknfva/Tpfy1JTf5/h/mdPpviXTdYW4GmPLNPboHa3kgeCUqc7WCyhSVbBw33Tg81bsNRg1GJ2g3q0b7JYpF2vG3ow/HPoRyK5mSQXXxe057B1eOHRJjclGyAryxmLP12uR9DWrbZ/4Tm/8AJ/1f2KHzsZx5m58fjt/pXJWpxg1y9VfXpv8A5figTevl+tv8zbooornLCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAKlr/AK0/7tW6qWv+tP8Au1boAKKKKACiisPxl4kXwl4Rvtaa3Ny1sqiOHdt3u7BFBODgbmGTg4FAE0fhTw7DfXN7FoOmJdXaslxOtnGHmVvvB2xlge4PWpdJ8O6JoPm/2Ho9hpvnYMn2O1SHfj12gZrHm1HxD4c0DUda8T3Wl3kFnZSXLW9hZyQsrIu7bveVww4IztX1x2rPtfFHiLTtU8Or4lXS5LXxC5ijWyikR7OXyjIqszMwlBCkFgEwecYPAl0X9X2QN6X/AK8yXStI+GGqau6aJp/hG81G3bzXW0gtpJomDfeO0FgQ2OfWuzZVdSrqGVhggjIIrjZf+S5W3/Yuy/8ApQlZl9458Qrouu+J7GDTf7G0S6mhazlSQ3FykDbZXEoYLGeGKqUbOOSM8JNOK+f4O3+Q7Pmfy/FXPRVUKoVQAAMAAdKWuKvPEfiC+8ef2D4c/syG1bR49RF5ewySMjNIygbFddwIUd1xyeelddY/a/7Pt/7T8n7Z5S+f9nz5fmY+bbnnbnOM84qrO13/AFq1+gtNv62v+o+4t4bu3kt7qKOaGVSskcihlcHqCDwRWQvgvwsmmNpyeGtHWxeTzWtRYRCJnxjcU24zjjOM1o3l5Pasgg065vN2cmBoht+u91/TNOs7mW5jZprGezIOAs7Rkt7jYzClbqF7CWGnWWlWSWel2dvZWsf3ILaJY0X6KoAFR22lw2d7NPavLGkxLSW4YGMuTy4BHB+hAOeQTVDxl4kXwl4Rvtaa3Ny1sqiOHdt3u7BFBODgbmGTg4FSaND4ljl3+IL7SriNo/8AVWNlJCY3443tK+8dedq/0oWodAttB8NaRfRGz0rSrG6kleSIxW0ccjOVIZlwASxXOSOcVWGkeDJZ5Cun6E8t5dYkxDCWnnQ7uePmdSM+oxmn+GVW8S71WdQ11Pcyx7iOUjRyqoPQfLnHqSafH4U0+K6t7hGm329/NfrkrzJIGDA8dPmOO/A5pO91/Xb9PyIk3bQtat4d0TXxENd0ew1MQkmMXlqk2zPXG4HFTHSdNKXanT7UreqEuh5K4uFC7QH4+Ybfl5zxxXIXHi7XINH1fWWTTxZaVfywPD5bmSaJJApIbdhGwfRgfatKfxPdovispHARo0KyW2VPzkweZ8/PPPpjisvawUb+V/luCqJyt1/4f/I19R8PaLrFnDaato9hfW0GPKhubVJEjwMDarAgcccVYk06ylS2SWzt3W0cSW6tEpELAEBk4+UgEjI7GuevPEGrte+HLTTY7MSatbSSzSTqxERVEbIAIz94/LnnjkdaW71XxFaaro2ks2mNdXy3JmnEUmxRHgoypuz0YZUt16N66OVnbz/ElVYtXW3+f/Dm1qsukWscN7rj2UKW8mYp7wooidlK/KzdCVJHHUEik0mDRmtYbrQ4rEweSIIZrNU2+WpOEVl42g54HAOaqeGNZuNWhv4b9YRd6fePaSvApVJCoBDAEkjIYcZOD3rndA1xPDfwlbVZImmFvJPtjX+JjcMqjvxkjsfpUOolr0av/X3h7TXy1/A6ey0CCy0+SxnuZr2weNo2tbtImj2t1BwgJBBIwSRg0sZ0C+m04w/2bcywo0tgV8t2jUDYWi9Bg7SV+lZfh7X9Vv8AW5LHULZ5Lc23nLdrpdzZqj7gDERN944OQQR0PFXtM8KafpVxp81q0xbT7V7WLeVOUdlYk8dcr7dTVqTlZrb/AIf9QU+Ze7/W36f5E2m2ML3n9qR6rNqO6IxIzNEUClgTjYozyO+aW58PWF34mstduELXtjDJDbnAwgfG45xknAxjOOTxnmq0irp/jO2FsuxNSglM6KOC8e0h/rhiCe/HpW7VvozTuFQ3Fna3bQtd20M5t5BLCZYw3luAQGXPQ4JGRzyamopDIbiztbtoWu7aGc28glhMsYby3AIDLnocEjI55NOubaC8tpLe7hjngkXa8UqBlcehB4IqSigDL0/wxoGk2txbaVoem2MF0u24itrSONZhgjDBQAwwSOfWqVl4O0/TPEkeo6bDbWdnHp7WK2FvbLHGN0gctxgdsYx3610NFHW/9dg6WMzT/DOhaS0baVomnWTRF2jNtaJHsLgByNoGMhVz64HpTZfCvh6fWF1afQdMk1JWDrePZxmYMOhDkbsj1zWrRQBSbRtLe0ltW020a3nm8+WEwLskk3Bt7DGC24A5PORmo9W8O6Jr6xjXdHsNTERJjF5apNsz1xuBxWjRQBzer+FJNZvtPhubu3i0GwljnTTIbTa0kkfKBpNxHlg4OwIOVHOOK6SiigAooooAKrWmnWVg07WNnb2zXMpmnMMSoZZD1dsD5mPqeas0U7tKwGEvgbwmlyLhPC+irOr7xKNPiDBs53Z25znnNWbnw9YXfiay124Qte2MMkNucDCB8bjnGScDGM45PGea1KKqdSc7czbsKyCsvU/DGga1cx3Os6HpuoTxDCS3dpHKyDrwWBIrUoqBkU1tBcWr21xDHLbyIUeJ0DKy9MEHgj2rNh8JeHLbSZtLt/D+lxafcNvmtI7KNYpG45ZAME8DqO1a9FAGbF4c0OBZVh0bT4xNbi1lCWqDzIf+eZ45Tk/KeOa0I40hiSKFFjjRQqIowFA6ADsKdRQBmt4b0NtbXWW0bTzqi9L42qeeOMf6zG7px16VpUUUeQBRRRQBmap4Z0LXJkm1rRdO1GWNdqPd2iSso64BYHApjeFPDr6WmmPoOmNYRuZEtDZxmJWPVgmMA++K1qK1VaokkpOy8xWRB9itfs8Vv9mh8mEqYo/LG2MqQVIHQYIGMdMVOQCCCMg9RRRWd29xlGz0bT9LtZoNHs7fTFmJZvscCR/Mf4sAYJ9yDUlhp0GnROsG9mkffLLI255G9WP4Y9AOBVqim5OTu2KyCiiipGFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAVLX/Wn/dq3VS1/1p/3at0AFFFFABVLWNIsdf0e50vVYBPZ3SbJY9xXI9iOQQeQRyCKu1W1G6mstPluLaxnv5EA221u0Yd+ccGRlXjryw6fhSla2o1voZNl4WaGzuLLVNc1PWrG4t2tmtdQ8gqEIwfmjiR2OOMsxP481W0vwJaadqNhdT6pqmpDS1ZNOhvZUZLQMu07dqKznb8oaQuQO/JrP8F+PrzW/BUOu+ItEudNgWye7nvgYfs7Bc52Ksry9AT8yjofbO7oHiOXXo1n/sLUtPtZIRNDcXbQFZlOMYEcrsDg5wwFU9G/67/8H8RdLf1/WxYbQbVvFcfiAyTfa0smsgmR5ewuHJxjOcj1xjtWJe/DnTb2S+jOoalDpmozm4vdKimQW9xITliSUMihiAWVHUHuOTmPSviXp2q2+k3i6Vq1rp+rSiC2vrmGNY/NOQI2AcuMlSA23YTj5uar63anTPih4Wls73UlGpT3QuoH1Gd4XCwFlAiZyi4PPCiktP687/nr9zB6X/ry/wCAdMmgWsfiuTxAry/apLJLIx5HliNXZwQMZzlj3xjtWpXM6r44tdO1O9srbS9T1R9NjWW/ksYkK2isu4bt7qWO35tqBmx25Gc3xP4+u9NHhqfw9o8+rWWtXUKrcxmILJHIjsFQPKhEhCg5YbcZyc8ULol/V2Nrr/Wi/wAjrrzS9P1FkOoWNtdFMhDPCr7c9cZHFOs9PstOjZNPs4LVGOWWCJUBPqcCorXUfM0sXuo2suk8EyRXskW6IA4yzI7Jz14Y9fwqSyvor+NpbdZPKzhZHQqH91zyR79D2zT1JI9Y0ix1/R7nS9VgE9ndJslj3Fcj2I5BB5BHIIqpouhXWkSHz/EOq6pEI/LjivvIIQeu5IlZjxjLMfz5rYqO4leG2lljgkuHRCywxlQ0hA+6NxAyenJA9SKWw9zPtNOudO1KU2jRNYXMjSyRPkNE5HJUgYIJ5IOMEk57VqVxXgrxtq/iSa9j1Dw1e2scGo3NqLpXt/KiWNiAsgE7OX4wSqlcnjjmtPw/4wXxK0c2m6NqX9mTF/J1OQwCGQKSMhRKZACQcZQU90vQNmzM0vwXLcLqSazcXkVrcarNdGxSVDFOvmbkZuCwBwPlDDOOR1rT1XwXZatc6hJJe30EWpRiO7t4JFVJcKVVjlSwIB6A4OBkGuirk9Q+IFrZajrNnDo2r3z6Jsa+e2hjKIjRiTcCzruwp5Vct6KetY+zgoqL2S/4BCpR10/r+mbC+H7Vb3SroSTb9LheGEbhhlZVU7uOThR0xWd4g0O91TxVol1ayz20NpHciS6t3QNEWCBflYENnB6qR+lYvxMMN38OLrxLpOo6hDNFapNaT2WozwIVZlIYojhWyD/EDXSa34mt9CksbU2t3qGoX5YW1lZopkl2gF2y7KiqARkswHI7mrlG713uLki1Zbf5WLmj6Pb6JZNb2zyymSVppppm3PLIxyzMQAMn2AA7CqsHhXTYvC8mgSrJcWMm/cJW+Y73LHkAYwTwR0wKxdV8flPAmsa1omk3lxe6WJorizmWNWtJY4y580GRQUHyk+WzEhhtzWt4a8QXms6Ml5qeiXmlf6PHKXuHgKS5XJKCOVyAP9rB5Hvg5YtPsl+D/TQrkStp3/4Ja0zSJ9OkBl1rUL+NU2JFdeVhenOUjVieOrE1p1haPNc3OmHXZ/tNzLcQmSCyicKqp1VFBIUuQB8zHqeoFY/grxtq/iSa9j1Dw1e2scGo3NqLpXt/KiWNiAsgE7OX4wSqlcnjjmqtZ8oJJRutjorPTrhtUfUtTaI3Hl+VDFDkpCmcn5iAWJIGTgdAMeunXO+H/GC+JWjm03RtS/syYv5OpyGAQyBSRkKJTIASDjKCs+91PXrH4o6Lps+o20ml6jDdyC2is9jL5apt3OXYscueQFHtT6pFW3OyoorC1nxVb6TqtvpVvY3uq6pcRNMllYqm9YlODIzSMiKuSBywJPQGkBu0Vzt94wi0+HTkm0jUm1PUWdbfSo1iM52ffJPmeWFAIO4vjkYJJxS2V9pvjnR7iIjUbNrW5MF1brcSWlxbzKASjPC4PRgflYqQQcmj0D1OhorkPhbc3F38O7GW8uZ7qXzbhDLcTNK7BZ5FGWYknAAHJ7V1k00VvC81xIkUSDc7uwVVHqSelAD6Kz4Nf0e6nSG11axmlc4WOO5RmY+wB5rQoAKK5pvGkc2q3llo2i6prAsZfJu7izWFYoZMZKZlkQuQCMhA2M468U3VPHNrp+pXtlbaVqmqPp0ay372USFbRWXcN291LNt+bagZsduRkurXHZ3sdPRXn3xIkt7/AOGtx4o0bUtQikS0jns7iy1Ce3RldlIYojqrZB/iBrptb8TW+hSWNqbW71DUL8sLays0UyS7QC7ZdlRVAIyWYDkdzRto9xLXY26K5S4+ImkWvhO/165t76KPTblbS9tDCDPBKXRdpUHB/wBYpypIIOQTWto+uSatPcRy6NqemiFUZJL2NFWdWzgrtdiD8vKttYZGQM07AatFFFIAorlLH4h6TqE9vZw294upzXz2MmmuiCe3dBl3cbtoQKVbcCQQy4ySBVDW7U6Z8UPC0tne6ko1Ke6F1A+ozvC4WAsoETOUXB54UUA9DuqK5/xJ4s/4RqOa4uND1S7sbaHzrm9thD5cKDOSQ8iu2ACSFVuKwbvxJd2nxYnhtLfUtVtpPD8NxDZWZG0sZ5AX/eMsanbjkkEgYGcYo6/12b/QdtP67pfqd9RWfoWtWfiLQ7bVdNZzb3K7lEi7WUgkFWHYgggj1FWLzULPT41k1C7gtUY7VaeQICfTJNAixRVSz1XTtRZl0+/tbpkGWEEyuVHvg1aYZUjpkUO6QC0VzGkaFrdjPpb3mqtcC1sJYLgPO7iWZnUq5BxuwAwySD0FJb+JL+exhsjDAuvG6NrNHsYxR7fmaXGc7ChDDnq6jNRzd/61sZ+0t8St/wANf+vQ6iiuev8AxlY2Elyxtbyezs5RDd3sKKYrdzjg5YM2NwztVsZ5qxrXiL+xI5Z5dKv7m0gj82a5txFsjXucM4Y4Az8oNHPG17/1/XUfPHXyNmisbVPE9ppl5p1qLa6u5tSV2tltow2/aAcHJGMhup49SKZMt9rkGlXdqLrS/IvfMube4by3eNQ6lCEJDAnBHJBHOad9bf1/SDnXTU3KKy/D9he6bpbQandtdzm4mcSNIz4RpGKLk88KQMdscVqU1qrlJ3QUVQ1zVo9B0O71W4t7i4htIzLJHbKGfaPvEAkZwMn8OM9KgvvEljZ/2SEEl2dXnWK0FsA24FC5kOSBsCgkn8gSaYzWorhbG1Ok/GNbG0vdSe0uNFkuXgutRnuE8zz1G4LI7BeCRxitfV/GCaHfKmoaLqaWBuIrY6mBCYFeRgq5HmeZjcwGQmOaFqk+/wDnYHo2u3+Vzo6K86g8XXOj+NPG/wBps9X1S0sZbaTy7YB0tYvsys7AO6jrklUyx67TXf2d5BqFjBeWcglt7iNZYpB0ZWGQfyNG6v6fiD0JqKq3mqafpzINQvra1L5KCeZU3Y64yeadZ6hZajGz6fdwXSKcM0EquAfQ4NAFiiqer21xe6Le2tlMbe5mgdIZQxXy3KkBsjkYPcVhXEOraBb6xq8l59pjg0lPJhlld1E0SuXYrx975eQcnnOOKiU+VNvZf8H/AC/Elt3SSOporkNP8Q6xHrmi2epy6fdpq1s0220t3hkt9qBssDI+5edufl5q8njKxe5twtrefYrm5+yw6jsXyJJckbR82/BII3bdpPenzK9nuRGrFq/9bX/I6GiueufF8MWqahp9rpWp39xp2wzi1iQgBl3Agswzwfuj5vQGp7vxLHDqz6bY6fe6ndwxrJPHaiMCEN93c0jquTg8Ak+1HPErnibVFZF54ijtZbe2isLy7vp4TP8AYoAnmRoMAsxZwo5OPvcnpmqX/Ccac8elm0tr26fVVlNvHDEN26P7ytkjac5GTxwecUc8QdSK3Z0lFc1e+Lm/4Q2+1nStOuJprUTJJbyBA0EkYbPmAuAQCOdrEkHjNW9I1y7v9FF5d6Le27iBJQpMTeeSuSIwsjH/AL6x1HvSU0728n94c8bpdzaorGsfEsFzdXlte2lzpdxZwrcSx3hj/wBUc/OGjdlx8p75qtZeMba9vdPgOm6jbpqW42k88SBJVCF93DErwOAwB5HHXD5oh7SPc6KiueTxlYvc24W1vPsVzc/ZYdR2L5EkuSNo+bfgkEbtu0nvXQ04yUldDUk3ZBRWFqHiu3sr66tYLC+v2skEl21rGpW3BGRncyljjnau447VjeLvENxLZ6ImkW1/PZapdQ5ubOaOIyxsrN5asZFdWOBzwMZ+YGodRW07pfe7EyqRim+x21FZ+hw+Rpir9mvrbLE+Vf3X2iVfq+9+O/3j+FUvFOq3+mppkeltbJNfX6WpkuYmkVAysc7VZST8o71TlZL5fiVzWjzM3aK5iDxRLpl/qVj4oa3RrG2S7W7t0ZUmiYlfuEsQwYYxls5GKuWfii2nvZrS+tLvS54rY3e28CDdCDguCjMBg9QcEelL2ke/9f0n9wlNPQ26KxtK8RHWDDJbaRqKWU43RXsqxrG64yG27/MAPbKCkbxKsOrW1je6Xf2i3UzQW9zKIvLkcAnGFcsMhTjKiq5loHtI2v0/r+rm1RXD+NfFZHhzW4dIh1ANZ4hfULfCxxS5UldwYPkA4JAIGcEitzUfFNvp000EVneahJaQia7+yKh+zoQSC25lySATtXLYHTpUe0iL2keZxNyiobS6hvrKG7tX8yCeNZI3xjcpGQfyNYvijXLnR5LGOB7a0huXZZtQvEZ4LYAZG4Bl5Y8AlgOPoKuT5VqVzLl5uh0FFZVvd6jbaS9xeiLVpS48kaZF5fmKcY4eQgd+d2MUyw1O38SW19aSQXllLbyeRcwPL5UsZIDDDxOeoIOVai/Rbi5lp5mxRXK+D5/ssPiBbq7ne3stTlRHu7h5THGqIcb3JOByeTVyx8W2t7f2lu1le2qX6M9lcTxqEuQo3Hbhiy/LzhwuRUqcWk+6T+8SqK2vdr7nY3qKxdH8SLrjJJZaZffYZCwjvn8oRPtJGQN+8AkcZUVTv9B1m4ur6S21WSJJ761nhUXDr5cSbfNTpxuw3A4ORmnzbWG56Xjr/wAMdNRWLrMkukTR6rFPKYDNHHdQO+5CrEIGUH7pBIPHB5yM81tVfS5fWwUUUUgCiiigAooooAKKKKACiiigCpa/60/7tW6qWv8ArT/u1boAKKKKACgjIIoqC9t5Lqylggu5rKRxhbiAIXj9wHVl/MGk9UByfhTQ/Efhzwwvh2S00i4tbO3kitbpruQtOcnaJIfKwoIPOHb6HPDPC3hXU9H1+W8+y6foelm3aM6Tpl5LcQSSlgfN2vHGsRABGEX5t2SeBVnwFqOo3Uev2+r6lLqB03V5bWK4njiR/LVEI3eWir/EecVf03xroGr6nHYWF6zzzIz25e3ljjuVX7zQyMoSUDOcoW45oevXVr81/wAEL6Nef5M898BaBrXiT4e+Dbe9GnxaNYTx6h50crmeYxuzJH5e3aoDYy2852/dGePQNb0G61Lxb4b1SCSFYNKluHnVyQzCSIoNoAweTzkjio2+IHhldRWyOoP5j3Qs45BazGGSctt8tJduxmB4IDHGDnGDibUfG3h/StRayvr5o5I3SOaRbeR4YGfG1ZZVUpGTkYDsOo9RVXvt1f46f8AHu7/1v/wTIvPDniPT9c1668Ntpk0GvBGk+3SyRtaSrGIt6hUYSghQdpKcjrzw278C3Fn4O8MaXoU0Mtx4buIJ4hdM0aXJjRkYMyhimd5OQGwe1aeo/EDw1pN/fWV7qDrcaft+2Rx2s0pt1ZQwd9iHamCPnPyjoSDV3VfFWj6NLaRXty7S3il4IraCS4d0GMvtjViEGRlj8oyOanZaeX4bDd3v5/juNk0qXXdNtz4gtobS9hk81PsV00yxMD8rBmRN3HYpj69atJYNc2bWutrbX8e4FS8Iw47blORkeo/IVzHhHxZdXvwxt9d1CYX11NLLHGyhVEp89o4x8oxjG0Zx71tajb69H4ecWN6JtTaWNg6xoqIu9d6qG7bd3Uk+/Sm3ZEN2VzTs9OstOVl0+zt7VXOWEESoGPvgVZrFtbnUbBtZudb86S1S6Bslhg81vJ2J0WMFj8xbqM8Z6VB4Z8YWniLSYrw29zZs0Rlk863lWJADg4mZFRvXg+voannT333Fzxvy7b/gyn4e0XXvDup6jbRQadc6XfajcXwumu5Enj807tnleUVbDcZ8wcdu1UNI8JaxbeLLbUo7LSdAt0d5L5NJvJZF1EspA3wmNEQ7iG3/ADNxjPJNdJp/irR9Tuo7ezumMkql4fMgkjWdR1MbMoEgHqpNR2XjLQtRktVs71nF2xSCQ28ixu/PybyoXdwflzn2ojKKtZ+X6DdSDvrv/X6/LoWW/t3/AISlNn9nf2D9lO/O/wC1faN3GP4PL2/jmvPxa6/qHjT4h2Ggrp2y9e2gkmvJXRrfdaIN6qqsJOD90lOR97njuL3xhoen3l1aXN2/2izANxHFbSyNEpXcGIVThcEfN0HrUWuazHDqOnWMepXGnSyXcQLHTZJYrgHP7nzCuxS3rnIxSbi9N76fe/68+wOrGN3fYpa74NkufhU/hHR5Y1aOyitIJLhiFwm0ZYgE9F9DU3iLQdTn17R9f0FrSS90xJoWtbx2jjnjlC7h5iqxRgUBB2tnkY71ranr2n6PJFHfSyCWYMY4oYHmdgv3m2oCdoyMnGBmsC98Z2v9t6BNZagH0q+S6D7IixmePaFCjbuJzuwF6+9OVROV29SeeENP66Edh4Jun8O+KYdXuYE1HxO0rTm2DNHbhoREqqWwX2qo+YhcnPArW8N2+tw6QmneILLToY7e3SCOWzvHmM2F2ksrRJs6DjLdfbkv/F2n23hWfXLQTXkMSyYSOCTdvQHKuApaPlcEsAB3pItcl1/wxdS6FFdW+oG03wi4tJIgJGQldrSoFcZ7jI/Opc4pO2tktPLW39feVzxulfXV/fuTeHxPp9qmj3cEoa0TbFPtJjmjBwp3DgNjAKnB64yKy/D2i694d1PUbaKDTrnS77Ubi+F013Ik8fmnds8ryirYbjPmDjt2rT0pdcXWZ/7Tk3WX2O38v5UH7/5vN6c/3fbnitqtN3f1X4/8C4ovmjtb+v8AgnB6R4S1i28WW2pR2Wk6Bbo7yXyaTeSyLqJZSBvhMaIh3ENv+ZuMZ5JqTW9K8X3njrS9asdN0R7bSkuYokm1WZHnWUIAxAtmCEbOgLdetdxXF6tcatpPxH8Owx67eT2GrTXKzWM0Vv5cYSEsoRljEnX1Y0dUW3uzV16/1+1v9Ci0Wztpo7q8Caj5iu3kw7SWZWGACCMDd1zwKp6z4f1aLxtB4p8O/Yri4+wnT7mzvpXhSSPfvVlkVXKsGJ4KEEHtitDWvGGieH5zDqd1IsixedIsFtLP5MeSPMk8tW8tOD8zYHB54NO1PxdoukraG6u2kN6hlt0tIJLl5IwATIFiVjsAIy2MDI55pJ9V3/S1vzBro/61v/kZWq6Jr95qeieIrSPTY9X05J4ZrGS5kMEscu3IEwj3AjYpB8s55GO9W/CPh670Z9Xv9WkgfUdYvTdzpbFjHCAiosalgC2FQfMQMkngdKmXxpoD6Db6xDf+fZXUrRWzQQySPcOCwKxxqpdz8rfdB4BPTmon8feGYtJt9Sm1RYrW4u/sSNJE6ss+CfKdCu5G+U8MB29RTWjaXp97/wAweqX9d/8AgjvA+g3Xhrwlb6XfyQyTxSzOzQklSHldxyQD0YdutbsyNLC6JK8LMMCRACy+4yCPzBrIs/F+h32l32ox3vk22nFheG6he3a3woY70kVWX5SDyOR0rC0vxmNc+JkOnabczf2adGe5e3uLN4H8zzlVXxIivgqTj+E+9C1aj/W1/wBAeiv/AFvb9Tp4NOuoZ0kk1q+nVTzHIkAVvrtjB/IitCisGLxrodzqjWFpPc3UiTfZ3mtrCeWBJM4KNOqGMEHggtweDRu7BtqZWmaD4i8Lapqy6FDpeoadqd+9/wD6ZdyW8ts8mPMX5YpBIMjI5TGce9MvPDviPT9c1668Ntpc0GvBGk+3SyRtaSrEIt6hUYSqQoO0lOR1541bvx54bsdSlsrnUSrwSrDPMtvK0EEjdEkmCmONjkcMwPI9RWZ43uNW0fUNG1DTtdvIobrVrSzlsPKt2haN2w3JjMgJ/wB+lZNJdHZfkv8ALzHdxbfz/UXUvA0n/Cnx4M0ieMyRWUVrHNcEqrFSuWOASM4Jxz1q54i0HU59e0fX9Ba0kvdMSaFrW8do4545Qu4eYqsUYFAQdrZ5GO9WtW8aaFomqnTNQu5Bfi3F0LWC1lmkaIsV3KsasWwVOcZwBk4FTTeKdJi0a01WOWe7s70Brd7K0luWkBGQQkas3T247027vm/r+txJcuhyV18P9VvfCuvRz3FkNY1zVIL+YIz+RCsbxYjDbcthIvvbRknoB09ErnZPHnhyLSrLUX1Bvs99M8Fvi2lLvKgYtH5YXcHGxhtIByMYzgVJp/jfw5qkdzLZ6pE0VrbLdyyyK0cYhYHEgZgAy/KwJBOCpBwQRRsrdv8AL/JB59/1f+YvhK+13UNNupvEtrBbTLezR24gjdA8CthHKudwJweuO3FbtYeneM9C1OS5jt7x4ZLWH7RKl5bS2zCHn96BKqlk4PzDI96k0XxRpviByumC+K+X5iyXGnXFvHIvHKPIiq45H3SeOaOlgOWtfA+u2vjCLxit7ZtrVzKYdRtix+zmzOAsUbbN25NoYMQNxLA4GMdDreg3WpeLfDeqQSQrBpUtw86uSGYSRFBtAGDyeckcVZW7utR1ye2s5xb2tgyCdwgZ5XI3bBngKARk4yc8YxmuZ+IXxAtNF8O6zBo+oPHrFkiDzEtWkjhkYrhGkKGMOVPCscnI4o2SX9f11DdtlPxj8OL/AMT6trjTRaTf2+p2iwWk+ol3fSmCFSYotpU5J3bgyMD64Aq5F4e8WWHiSHXbGDRZZv7Eh02S0mvZVUSJI7FxIIjlQCONmTk/dxz0GseMNH8Pvs1aS7jCxiSWaOwnliiU/wATyIhRBweWI9ao+LPHtp4UvdIt5bK9vDqN0kO+3tJ5FRGVzuDJGwdvk/1YO4g56Cklbbv/AJr9X+YXuvl/k/0Rf8GeHP8AhFPCVnpDTi4li3vNKqlQ8juXcgEnA3McD0rUvLaW5jVYb2ezIOS8CoSfb51YVjXPjnQLJLA3txc20moiU2kE9hOk03l43ARFA+7kYXGWzwDUv/CaeH/+EdGuHUVWwMhhDNE6yGUNt8vyiN/mbgRs27s9qpgkzRs7Oe1ZjPqV1eBhwJ1iAX6bEX9at1iW3jHQ7vS9R1CO8dIdLRnvkmt5YprZQu7LxOocfKMj5eR0zVNPiN4XktZ7pNQkNtBaNetcfY5vKeFcbnR9m2TG4AhSSCelAWOnrHt9GeHxle6wRD5dxZxW64+/lWcnPHTDL37VVs/Hvhu/1CGytNRL3E85t0U28qjzNm8AkrgblyykkBwCVzip7Z7y88TajGdQnit7NotkCJHtbKZOSULdfQily3afb/hv1Jkk9GYB8DG11fUp49C8P6xFfXLXKy6iNs0LNjcufKfcueRyuM/jS+I/BN5rmoam0kWnXcN7bLDbS3hZm08hSD5ce0g5POQVIPrW7J4z0CKHUZJb/Z/ZtytrdRtDIJElYgIoTbubduG0qCGzxmn6wbu1urS5t9QnWOW7hia22RmMqzYPJTd/49WPsISiodP6/R77mbpRV/v/AMyrHol/Jq3h6+ufs0Z022miuI45WfJdVUbSVGR8vOQPxro6ytbuLzTYTqdvL5lvbruuLVkB3IPvMpHIYDnnIOMYHWtRHWSNXQ5VgCD6itrdS4xUNF/XQjunkjs5ngCmVY2KBlLDdjjIHJ+g5rM8J3es3/hSwuvE9rDaarNFuuIIFZUQknAAYkjjHBOc1sVDeXltp9lNeX88dtbQIZJZpXCqijkkk8AUtrtl7iX11aWVhNc6lPDb2kaEzS3DhI0XuWJ4A+teefDDRmkurnVftDXOjWDS2Ph0shG21L7mcE/eBO1FbukSkdeev0vxdpGrh2tHvI40iMxmu9PntomjHVleVFVhznIJ45qPSfG/h/W76K0069dpp0aS3822lhW5VerQs6hZQOuULDBB6VS0d/6/rf8AEHqv6/r+kI+g3TfEiHxAJIfsiaU9kUyfM3mVXBxjGMD1zntXF678MtW1S81SZoNFvbqXUkv7LVL2SQ3ESI6OtsB5Z8pPl27kY8HlCc10Fjcatp/xVGjXOu3mpWE+kyXgiuordfLkEyqNpjjQ4wSOSa7SpjtGS8//AEp/qge7Xp+X+R59d+F/Fi6l4pm07+x/K8RrEhM1xKGs8W6xM+BGRJznC/J0GW5wOz0TSodC0DT9JtiWhsbaO3Rm6kIoUH9KvUU9lb0/DYNyreWc90yGDUbmz25yIFiO7670b9MU6ztpbaNlmvp7wk5DTrGCvsNiqKra1r+m+H7WOfVrnyRNIIoY0jaSSZz0VI0BZ26nCgng1VfxhosOivqt3PPaWqSCHF3ZzQSs5xhFidA7McjACkntmi+gW1NuqGu2Mup+HdRsLdkWW6tZIULkhQWUgZx25qpZ61YeKrG8g0XU7m0uISI5iLfybm1YjIzFOmVyORuTBHIrK8DarfS23iKPXNVkvV0vVprZLq5SKNhEiI3zeWqLxknOBUyipJwfb8NF+obWfnb+vuNrQfD9hoOmxQ2dhZ2sxiRZ3toVTzGAwSSACec9a5rQ/Ax0KWKBdB8P30cNwZItSmXbdKhfcMjyjudc4B3joOlbek+N/D+t30Vpp167TTo0lv5ttLCtyq9WhZ1CygdcoWGCD0qJPiD4al1B7KC/kmnjvPsMois5nWGffsCSMEKpluAWIB7E03BSknbX/g/5mXsYcqXYuaVpE9j4i1u/leMxahJC0QUncoSMKd3HqO2apPpGraZ4n1DVtESyu49SSPz7e7meExvGNoZXVHyCOoIHTOe1dLRU8isrdCnBWt8zkNe8JS6pr1nrT6dpOpTJafZp7LUMmL724Mj7GwQSRyvIParNt4cuI9W0K7jtNO06HT47lZLWzJ2KZMbdnyKD0JPA5NUvibPq2k+Eb3XNF1280+axiDLBFFbvFKS4GW8yNm6H+FhV3xt40g8FaCmoT2V1eu7xoscMErL80iKSzojBMb8gNjcRgc0lCKfz/MXsouV+/wClh1n4ZnTw9rumXM0anVLi6kR48tsWXOM5A5GeR+tQy6T4gvvBs+izmzsZ1t0hhuba7kfzNuM7h5alAQMcEnk+lX7XxdpF1NZw7ry2kvpngt0vdPuLYyOqbyAJUX+HJHrg4zg4vDV7FtcbR1n3X624uWhCMdsZbaGLYwMkHAJycH0NHs1bl8kvuX+Qci39fxf+ZyVn4KmgvdSc2Wl6ZZalpps54rBzmIjd84JjXzCd3JO0jA+9VLSL241XxB4Zs0vdLvl0tJPPfTZzMNohKK7nAEZJONnPfnivRZC4iYxKrSAHarNtBPYE4OPrg1znhjXtV1TXNd07WbWztpNMlhRVtJWkBDxB+XYLu6j+EVcMM5Rk47Lf7/8AN/j6GbopWs/60/yMrQ/Ax0KWKBdB8P30cNwZItSmXbdKhfcMjyjudc4B3joOld1RXF6tcatpPxH8Owx67eT2GrTXKzWM0Vv5cYSEsoRljEnX1Y0oxUVyo1jCME7Fy50XWrPVtXuNENjLFqwUv9qkdGt5AgTcAqtvGADtO3kdeaG8JSW+i+GtOsZo2j0a5hlkeQkGRURlJAGeSWzjp71rQeItIuHZE1CFXW8ax2yt5ZadRkxqGxuOOeM5HIqlP448P28dqxvJJTdtKsMcFrNK7+W2yRtiKWCKwwXI29OeRUqEVqvL8NUJ04tv5/jv+Rv1heKdKv8AUk0yXS1tnmsb9Lox3MrRq4VWGNyqxB+YdqqfDjW7vxF4Es9T1C5F1NNJOPOVVUMqzOq4CgD7oFb2pPqEdmTpFvbXFzkALdTtEgHc5VGOR6Y59RWnLzWXp/mW0pJo5bUfBl34itdYk1ue3hu9Qt47eFLfMkdukbF1BLBS+WOTwOBipdO8KD7Nd2t14e0HS1urR7aS50r/AFj7hg8eUu0d8bm7fWtHwXrlx4k8Gabq97HFFPdxF3SIEKp3EcZJPat2pqYdU5ypyW10/wAb/qZqnG6n1MHw/ba/ptpaabfxadLa2sQhF3DcOJJFUYU+UUwDwM/Oa5u28C6pbXen3bW+lTXthfG4e/eV/PvVO4YdihKYDfdBYEgfdrS8AeItR8U6ZDqV1rOi3cbwgy2en2zLJbSHB2u5mfoMjBUH6dK7CtK+HdOrabvKL/G9+y/4JPsYuPL0X9f11OF1Lwlr0mka5o+ny6ebTU7p7pJ53cSR72DNGUC46g4bd/wGptS8Fl/FF3q0ekaLrKXscayQ6oNrQug25R/LfgjGRgcjrXaVi6r4u0fR9RXT7qa4mvWj8021lZzXcqJnAZkhRiqk8AkAGsPZR0Xy+7/gf57lOjF3f9f1qadjD9m0+3h8mG38uNV8q3H7tMD7q8DgduBVfU21VfL/ALKtrK5UhhLHdTtF6Ywyo/vkEelVtQ8V6Rpdvay3U05N2hkgggtJppnUAEt5SKXwMjJ28ZGcU1PF+gyR6RJHqMbRayxSwmVWMczAZ2b8bVbg4ViCSCAMg1o1fQ0tpYwm8F6gvhyW0he0RptSF9Jp6O8dsY+M2+4DO04yTtwT/DjitDwp4dudA1DVGNrp1raX0iTJDYkqsLBQpQLsAI4zu4yT90VtaZq9jrEc8mmz+fHbzvbu4RgvmIcMASMNg8ZGRkEZyDV2ojTjF3X9Ky/yX9Nmfso8yfVf8H/N/wBI52x8NSLY+IrO+kTytXuppFMRJKxyIq85HXg+tZ/hrwnNoklmkmgeHVktU2f2nbLtnkwpAbZ5XBPf5z1NdfOJWt5BbOkcxQiN5ELqrY4JUEEjPbIz6iua0288SDxW1hf32l3llb2/mXUlvp8lu0bsf3agtO4JIDE8DAC/3q1p4eMldO1l+C26fqrg6cbp+b/F6kWn+HdSg8RQXyW2n6RCrM92un3Mji9JUj5oiiopzg7vmbjGa62uFtfGupyWGneIZ4bRdB1K9W1iiCOLiJHkMcUzPu2kM20lNo2hvvHGD0cl3dabrUEN1N59nfOyRMyANDJgsFyOCpAOM8jHJOa0nh50Pdl5/et18v63HFKLdv68xmsxy6vNHpUUEogE0cl1O6bUCqQ4VSfvEkAccDnJzxW1RRWfSxp1uFFFFIAooooAKKKKACiiigAooooAqWv+tP8Au1bqpa/60/7tW6ACiiigAoooJwOaAOJ0zwtfy6L42069Bs/7av7praUMG/dyRKivweOQeDg8VleDfCr2Fzoi6x4Z1pNR0uIxjUJtda5s428sozRxtcFgGHAHlDGe2K7/AEjV7LXtIt9T0qfz7O5XfFLsZdwzjOGAI6dxUdneajNrOo213pf2ayt/L+yXn2hX+17ly/yDlNp4569RQlbTyS+7QHr+L+88sFvrGieF/Cnha901QbXXrdFvhcRlLxVnZ90SqxfdtG5g4XGG5NWpPAkttqfiC21jw/rev2OqahJeQvp+uNbw7ZMEpLCbiMAqw6hWyMemK7nSrDwp/wAJRqcuj6Xp0WtWjhL64hsljlDSKHGZNoLZBBOCfeoLvxNqun+NdM0a90mzFlqkkyW93Dfs0g8uMvl4jEAM4xw5pp9ev+dv8vIJd/66/wCZi3vhfVZU+JHlWWW1u1WOw/epmYiz8vGc/L8+R82PXpzTodJ17Q/FWmavb6Q+pRNoMWmTQwzxI9tKj7txLsAUOSCV3H5Rwa7+quo6hFptp58yu5LBI44xlpHJwFA9SaS0enl+TX6hurf10f6I4zw54c1ex+FtnYX9osOq2l0939nWVXBYXDSBQw4OQeD784rtLDUbbUrfzrRyQDtdGBVo27qynkH2NPtJJ5bVHu4FglbkxrJv2+nOBzj/APWetTU9tBeYEZUiuK0jSNU/4QWbwpd6fPayCzmt1v8AzImgctuCkYcvznPKjvXa1n6TeajefbP7U0v+zvJunit/9IWX7RCPuy/L93d/dPIxWUqandPsJx1Uv6/rQ5uLT9Y1O98PLeaW2mx6MxkmmM8bCVhEYwse0klTnJ3BeO1Y3hqz1PXPBvhiwTT5ILW1uo7uS+MybGSN2YKoB37icA5UAc8mvTaitraCzt0t7SGOCGMYSOJAqqPYDgUcl5czfW/zX9Ix9gtr9LfLt/WpjaNplzaeKvEN7PDshvZIDA+4HeFiCngHIwc9aPFOm3eo/wBj/Y4vM+zapBcS/MBtjXOTyeevQc1vUVXKrJdrfg7mrgnFx73/ABOY1KC/sPG6aza2ZvoJdPNq6JKiNCRJuDnewGw5wcZIwODWH4R029ux4X1PyEaCD+0HlkVwVXzZDsK5wSDzggdPrXbajoul6v5f9rabZ33l52faYFk2Z643A4q4iLGioihVUYVQMAD0qFT19L/jqQ6V583T/hv8jlLLQL4+FvEmnTRrDNqN1etAWYEFZM7GOM46/WtTw5Pe/wBlwWl/pNzYPbQRxlppImWQgYO3Y7HHHcDrWxQTgc1UYqH3JfdsXyK6a8/x1CsLQvEFzq+u67YTaYbWDSrhIIroTiRbrKbicAfKVyARknntWjpGr2WvaRb6npU/n2dyu+KXYy7hnGcMAR07irlXsywrmfEGkX19428KX9rBvtdPmuWuZN6jyw8JVeCcnJOOM1rTam39qiwsrc3EqhXuHL7EhU9MnByxwcKB9SOtZN/4ulsrq+hGm+YLW+tbMN5+PM87b833eNu8cc59RSbStfqTKSim3/Wl/wAjmNa8HXSeO9b1O50nWNa03WYYR5ek6y1m0LImxkkjM8SupGCDkkZIxzVxNKv/AA54r03VdL0SSew/sJNNNkLuLzbDy33KWaSTDJg7WZSx+UHDV0t94w0bTry6trqa5D2e37S0djPJHDuG4bnVCo4OeTVjUdC0DxNDby6vpWm6vEq74HuraOcAMAcqWB68dKUZL7PT/Jr9WPmjJtf1uv8AI8q0rwzqWteEPCGuwW1xeCxub+Sez07UXtJJop5Xw8UoZM4wCAWUMrHkV0H/AAiMjwaG2keHdQ05YfEiajeR6lqC3MzAQsrTFjNJnkqMBieM4r0dEWONUjVURQAqqMAAdgKdVrR3X9a3/Qe6s/P8b/5nmmv+Ddb1SPx4tpBGrapcWU9gZZBtuPJSIspwSVyUK8gdfSr8Gn65rfxCOr3+g/2ZYNoklkFvpYZyZTKrYeONyCuAejHI64PFd5RSWlvL/K35A9Vb+t7nP2Phn7JexT+Roa7DnNvpPlSD6N5hwfwrF8DWuueENGtPC97oF1dxWszomq21xAYXjaQsHdXkWQNhuQEbkcE13VVbfUrW7vruzt5d89myrOm0jYWXcOSMHg9qObUWiPNtQ8NeJF8L+JvCNto32lNbvLmWDVvtMQhijncsTKpYSb0ycBUYHC8jnHU+L9DvtQ03QbfTo2uWsdWs55md1BEUbfM5JIycc4HJrqqKFpbyt+Gw5a387/jucumjXo+K91rRtx9hfRI7RJ9y8yCZ2K4znoVOcYrldP8ADninTPAvhDS3tb829mkiatY6ZfRwXDEg+XiXeo2g5LBXBOR1xivUqKVtLf1u3+o76t9/8rHlHh/wfr9j/Y9tPpcsaWGvX148r3iTAwzQz7DvLl3IaRVJYZzk8jmq7/DrX9Q8DjSJIls7n/hG7O0DNOABcRTGQxlkJIBwBuHHPGa9foJwOaf6W/BNfqH9fjf8zz3SPD8JlvLq68Ga2t4+myWsh1XXPtiToxBaBC1xJgMR1ZV6ds4q14O0/XNP1swQ2ep6d4cjtSq2esXcNzIku4bfJaN5GCBd2Q7n+EKAAa29A12/16KK+j063h0ufcYZjdkzEAkAmPy8DOP75xW7RGV9V/X9XIUlKOhgWjroviC+ivCY4NSnWa3mI+QuVCtGT2bKgjPXPFcLrPhzxSnhXxb4csdCN82q6jLe218t1FHE0cjq+xgzb/MXBGNu0gD5hXoEfizSZrlYYJLmXdL5ImjspmhL5xjzQmzrxndWzQmnqu1vy/yGpJ6J9b/PX/M8v8ceGfE3iG51+xMGoXVneWAh0o22pi1trdzGQ/norq7ktyMq6kYGBya2Nd0rVr/w34WurbS5jd6PfW93Pp7SxCVlSN0ZVbf5e758/fwcda2tc13UNFvrPOnW01jdXUVqJvtbLKrOcZ8vyyCB/v1vVMWrO3dfetf1FzJvl8vwen6HHXFjqes+OfC2uPo9xY29lBfJcJdSQmSFnEYT7jsDu2t90nA64rBHhHXrfT/tcVistzY+LLnV47Np0U3UDmQDa2doba+4BiORg4r0+iq2aa/rVP8ANF30t/WzX6nnF34d1zW18batJpklhNrGjDTrLT5Z4jI7KkvzyFGKKS0mB85wByRnA2PEOhX978HLzQrK2DahJo/2WOAOq/vPK27ck7RzxnOK6TVNUtNG06S+1GUxW8ZUMyxs5ySFGFUEnkgcCotP1u11OZo7aK+RlXcTc6fPbjHsZEUE+w5pKSu4r+rX/wA2TzpSV3r/AMN/kjjk8MauPE1xdm0/cP4igvVfzU5hWyETNjOeHGMde+Mc1v2N/Z23jDWLe4u4Ip5ngEUTyBWf932B5P4V0VFUtFb+tkv0C39ff/meYeIPCmv3/jtPGlnpcBl0q4jit9MZ0DahCu4NMzbtokHmExbj8oBzgtgdfr+o2bTafZ/aoRd/brdjbGVfMA3A/dzmugrm9e8VyaLPqaDTvtC2Gmi/3edt8z5mXZ904+7nPP0qeZQsn6/q/wArim1rJ+n6IteJLoSafPpNr+9vr2IxJEoztVvlLt6KOTk9cYHNLr2ov4X8G3d/a2ovX0+13JbtMIvN2jhdxzgn6GteJzJCjsu0soJGc4p1N3s0hxabUuhW065lvNLtbm4t2tZpoUkkgY5MTFQSpOByCcdO1Y3j7w9c+KvA2o6PYyxxXM6o0RlJCFkdXCsQCQDtweDwa6Kih6vQcdNzkr06t4u8K6tol5oF7oU15p8sAuLie3ki8x0K4UxSMxGTnJVeO2eKyrbS/EGt6t4TXUdEfRofDztNcTtdROs7CFogkIRixQ7skuEOABjPT0KihaO/9aXt+YdLf1ruczJpF83xWg1gQf6AmjPatNvXiUzKwXGc9ATnGK6aiihaJL+tW3+odW/62sYGoeG/tt/LceRojeYQc3OlebIeMcv5gz+VbFlb/ZLKKDbCvlrtxBF5aD/dXJwPbJqeind2sK2tzkfF+j6nJ4l8O+ItJtP7ROjvOJrFZVjeVJkClkLkLvXHRioIJ5FQeI7bWfEGn6Pqlpodxb3Wj6ot5/Zt5PCJLhAjodrI7oG+fK5YDI5IzXa1m+INWfRNHe+jtvtTLJGnlb9md7qmc4PTdn8Km9l6P9f8xtpJt9jC8NaZqc3jbWvE2p2Mmlx3ttb2kFlLKjyERFyZJPLZkBJfAAY8DnGcVTtfCWpXPhvx1pdyBaPrl7dtaylwwKSQqiudpJAyDweeOlbZ8TSfY/EU4sOdFd0VfO/1+2JZP7vy53Y71Jp3iCfUdUubFLBY3hsYLpWafhmlDYQ4XgAp15+lTeMtO6t8nr+n9aEqolJa63/FaHM22l+INb1bwmuo6I+jQ+Hnaa4na6idZ2ELRBIQjFih3ZJcIcADGem34G0a90a01pNQtxA93rd5dx4ZW3xvJlG4J6jHB5FbOm6kL/zopIWt7q3YLNA5B2kjIII6qR0P8iCKbY6m095LZXlv9lu4lD7A+9ZEJxuVsDIzwcgEenIrXXmb/rWz/Qelkv60uv1ZSvfEFza+N9L0GLTDPBe2808t4s4H2fZjAMeMkMSBnIGfWt2iip6D6nNfETSb3Xfh/q2m6VD593cRKsUe9V3Hep6sQBwD1NHj7RL3X/A13p+mosl3vgljjZgu8xypJtyeASEIBPGTXS0UgOL8Vs+u+AdQu9Rs7nw3c6afttrPqEkJ8mWL50kzFI425G0jOSCRjmmeE9IvdX8Mz61rlraRatr7JdTW91AZ47eIAeVDtJXO1ee3zMxrq9Q0fTNW8j+1dOtL77PIJYftMCyeU46Mu4HB9xVymtL/ANf1fT7gfT+v66/eYWn6G2kzvdpaaUzLG2EsNNEErn0DmQjn3wPcVieGm1qDxtr17e+GNStbXV5oGimkmtWEQjhCEuFmJ6jjaGruKK3p1nCMo2T5lbr3T6PuieUwrfxBcz+PLzQP7MItbWyjuf7QE4YM7MR5ZQD5TgE8nkdqreINIvr7xt4Uv7WDfa6fNctcyb1Hlh4Sq8E5OSccZrpqKw6Fdzy7XfB2vy+Kde1DTrKOWCFo9T0pDKi+fe4hDLycpxb4ycA+cfSrOleH9d8La5pGo2+ktqkZ0GPTriOCeJHguFk8xnYuygoxY5K5OQPlNekUULS3l/k1+Tt8l2B63/rs/wA1f5s4Lwj4Q1GDwPptlrVlpcN7A9w0kV5ai82b5mcbWDqMYI/Tp0roYbefw7psjWukxXzvIP3GkW0VqcY6kSShT/31n2rcoqlK3TQVupyHw2g1TS/B9jo2s6Ld6fPZQ7WkllgeOQlicL5cjHv3Ard0K91O/wBHS41vSP7JvCzBrT7Ss+0AkA71wDkYPtmtKita1b2s5TcUnJ36/O2vX/hgSscfY2Op6n8Qodfn0aTRbe2sJLWTz5Ymmu2d1KgiJmGxNpILHOW4A5rTt/EFzP48vNA/swi1tbKO5/tAThgzsxHllAPlOATyeR2rdoqatV1GrqyStb7++u7v+GwW38/+B+iCuIFjrPhrx9rusWui3Gt2WtpbkfY54UmtniQptKzOgKEcghic547129FZdRnnXifwzqF542sfEw0zVb22fTPsdxY6bqxsriB9+8NuWaNXHJBG/sCM07UvCEmpeA9P8KaRok+jWNxO0k8t3dLPNpyrIZN6t5jkzMxypDMFySTwAfQ6KVlbl6f8G4763/raxxXhnw9qcfgu00HWNN0yGXSnNvHJNarcQXUajCzIgcFGYHndznd2INb+j6N/ZckreVpieYAP9BsPs5P1O9s1rUVfM2TZGbol9ql9oy3Os6P/AGVekuDZ/aVnwASFO9eORg+2aj8O2NxbaGh1NAt/dk3F4N27Er8lcjqFGEHsorWoqpVL3SVk/X7tegzzq08L6z/YOk+ELiyK2OmX0Uz6n5ybJoIZfMjVVB3+YcIrZUAfMQx4B6e+dNZ1yxtrT95Fp9wbi5mUfKjKpVY89C2W5HbHNb1FaVcRKq7yXd/N7v8ArQnl/ryCiiiucoKKKKACiiigAooooAKKKKACiiigCpa/60/7tW6qWv8ArT/u1boAKKKp6lqH9m2puGtZ7iJAWkMO0+WoGSxBYEj6ZPtQBcqtqOnWWrafLZapZwXtrKBvguIlkR8HIyrAg8gH8KnikSaFJYjuR1DKfUHpUd3PJbWkk0NrLdugysEJQO/sC7Kv5kUOPN7oJ9UeZ/B+y8HweFrLT4rXRIvEq2jwajbLHCLzaHw6yr9/H3c546e1avgfS9P0f4h+NbLSLG2sLVWsSsFrCsSAmFicKoA5rpvD3iGLxDDeMlldWMtldNazw3Xl7lcKrHlHZSMMO9a9aVIShNxnv/TFozybRdG8DaB8U/EMGr6b4f024e6tJdHS5ggiY/ulBMG4DnzAfu87veum8V/8lI8Df9fF5/6TmuzqjeaolpfQWaW89zcTqzhIdo2opALEsQMAsO+fas1eyQ31Z5L40tl1D4ha5Z+LdZ0PSbF7WAaRNrlk0qKpQiRreQzRqkofJJGX+72Fd0yG30nwlPNqA1KC2eJZb4jAnLRFFlOScZYg9T97rXXUyaGK4heG4jWWKQFXRxkMPQiiPuqyCXvbnlHxdtILrWZWuI95tvCupzxZJ+WRXgKtj1B5HoQCOQDVa+mstBsPEFqdNsZ7G71SxSc6jlrS3MlujPcTj+IbhlskbmYFjyTXrtpaxWVqlvbhhEnChnLYHpkknHt2qalbRJf1rf8A4A73d/62S/T8Ty34ZW2m3E/i3w9dHSL6wa7jmhs7WzEVpJC0KZeOBmceWXB5BKlgSKr6daW1h8J/iTaWNvFbW0N3qqRQwoERFEXACjgD2FetUUSV013Vvy/yCL5Wn2d/z/zPLNF0iy0Lxp4FbS4RBLqGjXIvZgSZLrbHCVMjHlyCTjPToOK9Tooq5Su/v/O5MVZJHNz/ANr/AGiTy/8AhINm87fL/s/bjPbdzj68+tdFHny13bs4Gd2M/jjj8qdRSvpYOp5Z4nfwsnxkuf8AhNmshYHw7FgaiR9nZvtEvBDfIW/ug89dvesqO6e3+HPhDS/FFlpghvZZyt54khaW3s41LGBZEYrukaMqFDMvQ85wK9VXQbVPFkviASTfa5bJLIpuHl7FdnBxjOcse+Mdq06m3upf1u3+pTd5N/1skeIaSunXvwsbSdW8RaZpg0/XZsR30O20ZBI7xwyws4KQspDKjN0C4z37fwSuieI/CN/YL4b0iHTEumiaKziWWwvSArebFlFDLnAztxuU4Jxmu4op7pp9V+Omv4C81/W/+Z4/8OoNDsPhu9r4ah0a38dQ6XcRyQxJCt6soJwJB9/G4J97jp7VX+HNnp0uu6Bfx+KNDi1dLd1vtNtrF4NQu3aP51ui9wzuysN25k6jjGa9oop397mf9b/5g9VYwtEHk+INdgm4mkuEnXPVozGqgj2BVhW7Va5061u7iGeeLM0Dbo5FYqy+2Rg4PcdD3qzR0EcHFpuoar4u8XWlpqMVlazPbxz/AOjGSUgwAHY28Kpx6q1U/FFlHY+INK02+uNPtfD8Om+Vbtq9sZ7bzlYDDfvEUPsxgsfXHJr0iiuf2Ktb+uv+Zk6Saa/re55xeadAfCvhLTzqo1a3/thEF3AxQSJiX5QQxOAPl+8eBWj4t0e10Xw7FFpNmbTS5dSil1SOzVlBg6Odq8heF3Y7Zz3rtqKr2as/N3/LT00F7FWt5W9N/wDM4XVjpK+Btab4cHTxciJfM/sgISBnniP+Lbux39O1YsNppkek69daTr2jTrJok6SafpVqYASFyJJF81zvGcZIB55r1SipnR5r67q34NfqP2Wqfb+u55/pWnWuleJPCTWEQikvNNmF1JnL3GI4yN7HlsE8Z6dqZpmm+FNJ+IGsxalZaPZTNNbSacs8MUZP7sZMWQOd4/h716HRVuC5uZd3+JKoJRS7f5WPJPFF9bz6pfXqxaVp99p+pwg7rctfNGrpmbzNw8uMrn+ErjOTzWprMukXPiPXm8R+XM/2OJ9GDncWTyyWa3xyX39Svzfd7V6PWTq2hvqxdG1fULW2lTy5ba3MQWRe/JQuMg4+VhWMqL5OVa/8Na/9fcHsmpOe/l835+f4XPPJwzxeGItXudNttFbQ4/LbVrUz2puMLncPMRQ23G0sfXHNd94Pt0tPCtpbw6rHq0ce5Uu4x8rruOAPmbgfdHJ6VrwQRWttHb26COKJAiIOiqBgD8qkroUUpNrr/mFKjyWb3sl+CX6HLePP+Qfp32rzP7L+3x/2jt3Y8nDffx/Bu27s8Y68VneHrLStR1zXbbTLa0uvDDwwbYljD2rTjcX8sfcxjZnb3967qiodO7fn/lb7uvqaSp80lL+upxnwz0bS7bwbpl/b6baRXkkBD3McCrIw3HgsBk9B+VdmenNFFaWsrIcIKEVFHAWuq2Wk3un2ng/WYtRtprpY5NHysr28bHLOpHzxhc5IfI7DHFYfii+t59Uvr1YtK0++0/U4Qd1uWvmjV0zN5m4eXGVz/CVxnJ5r1uisvZvTXb/gf5fj6GU6LlFxvv8A8H/P8DlvG0iS2GhyRMro+sWjKynIYF+CDWP42DP4xsotXudNttFayby21a1M9qbjfzuHmIobbjaWPrjmvQaKcqal99/wt/wS50+a+u6S+5tnmt3p+mR+GdCjvPE+kX0Vm0zRf2mo+x3i7sbeXIygOFOWx6Gux8J3cN74ZtprXTl02H5lS3jGIwAxG5OBlD1BwMgjitmiqjGzb7ijSUWmu1jl/iOGPgW7EZCv5tvtLDIB89Oo4zVnUIvEMXhrVt17a3V4bV/sn2O0eBlfacdZHyc4xjFb9FTKndS13NOX3+Y810j+yP7a8M/8Ij5f235v7W8rO/y/KO77T3378Y385zjvWj4S8PaXqEurXt9aJcXMWu3DwySEkwlZMjZ/d5GTjr3zXc0U1BKXN6/mtvu/ExjRSVn/AFpYKKKK0OgzNf8AEWl+F9L/ALR126+y2vmpF5nls/zOcKMKCeSa5j4nQ+dBpA0YH/hK1u92ilCAVYY80yf9MNnD/VR1K12Go6Zaatai21GETwCRZPLZiFZlIYZAPIyAcHjirVK1x9Tivhre2KeB5JpGlTUIJZX1sXI/fLdjmUuB+a442bccYrptD1zT/EmiW2r6LcfabG6UtDLsZNwBI6MARyD1FXZEEkbI24BgQdrFT+BHI+tQ6fp9rpWnw2OnwrBbQIEjjXoo/r9T1qr3/r+vkTt/X9fMg14RHw7qKz3slhE1tIrXcf3oAVI3j3HX8K8++Gs2jWGuto+jWvh7UZEsi0mvaBGoEgVlAS4xnbI3UfvGLbWOFr1CiktGynqrHg/hWzF7qemXHiLxRoeleK7fVS91DLYsmpznzSDD5hnBeJ1IACx7MYwOKguv7Ek0DxPFaeQ/jJvEt1/ZKMSbpZPtIw0I+8E67iny4Dbu9e/1maHoNr4fhvI7OSZxeXs17J5rA4eVtzAYA4z07+5ojo/l+q27bBJ3Xnf/AD/zNJc7Ru645xWNq39ofbB9j/tfy9g/48/smzP/AG1+bP6VtUUE9LFPS/P+wr9r+1eZk5+1+V5n/kL5auUUUDCiimyRiWJ42LBXUqSrFTz6Ecg+4oAxbT99431CaHmKG0iglI6GTczY+oUj8xRdfv8Axvp4h5a2tZmnI7K5UKD9SpP4GtW0srewtxBZxLFGCTtXuT1JPcn1NNstPtdPR1tIthkbdI5Yszn1Zjkk/U1V1cVizRRRUjCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigCpa/60/7tW6qWv+tP+7VugArO8QhG8M6mJWdE+yybmRdxA2noOM/nWjVPU9P/ALTtGtmu57eNwVkEG3LqRgqSynH4YPvRuNOzucj4z1nWdL8E6Y9utvayXV7bWtxKl0USKFzgt5uwmPJ2ru2nbu45wa0fB+ma7pl7qSaxNF9il8t7O2GpzXzwnBD5klRXKkgEAk45xiuje0t5bM2k0KS25TYYpF3Ky9MEHrVbS9B0jQ1kGi6VY6cJSDILS2SLfjpnaBnqa9D61D6s6Kjq3v31Xno1bs97aa3y5Xocv4Z877P43FtcpaTnV7gR3EgysTeTHhjnsDg0nhB30nXI9G1tNQXWpLNpjK+rS3tvcorKGkQO37s5YcFF6kAnFdeNOsliuI1s7cJdMXuFES4mYjBLDHzEgAc+lQaZoOj6J5n9jaVY6f5uPM+yWyRb/rtAzVyxkJRmmn71vwVt77eTT+W4+X82/vdzzjwvJ4t8SJZa8tzb28yaky32/WZtqxrKVe3Np5XlqwXABzuzglua7qQynxzbfaEWNRZzCAxtuMg3R7t3A244wBnPqOlWpfDWhT6qupz6Lp0l+rBlu3tEMoI6EORnI+tS3mlpd30F4lxPbXECsgeHadyMQSpDAjBKjtn3qMZiYYiopQjZa6dr9N3dL5egcr1/rqXqKKK88sKKKKACiio/tMH2oW3nR+eV3iLcN23pnHXHPWgCSioZby1guYLee5hjnuSwgieQBpSBkhQeTgcnHapqACiiigAooooAKKKKACiqlpq2nX8zxWN/a3MiDLJDMrlR05APFW6ACiqlpq2nX8zxWN/a3MiDLJDMrlR05APFW6ACiiq99f2emWUl5qV3BZ2sQzJPcSCNEHTJY8CgCxRVTTNW07WrIXmj39rqFqxKie1mWVCR1G5SRVugAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACimySJDE8szrHGilmdjgKB1JPYURyJNGskTq6MMqynII9jQA6iiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigCpa/60/7tW6qWv8ArT/u1boAKKKKACq2opeyafKul3EFtdkDy5biBpkXnnKK6E8Z/iH9Ks0daUldWA85+G994qb4X2er399Brf8AxL3lgtRbSLczSgkqGneZg2cY+4Oo9OdbwP4kv9fL/wBp6rpslwsIabTItOmtLqzcno6yysxHUBtig9RVvSPBg0SyksNO17Vo9O8t44LLMG213HOY38rzMjJxuZhz3qbTPCaWWujWb/VtQ1e/jga2hlvfJXyY2YMwVYo0XkquSQTx1qr3lf8Arr/X69Ae2hgaPpsGl/G3UYbV7lkk0GKZvtF1LOdxuJAcGRmIHA4HAxwK6eTXPtGpT6dpEP2m6t8CdpG2Rw56ZPVj7KD9RWTF4Fmi8TnXv+Et1x7xoVt33R2e1oVcuIyBb9MseRhuetdFe6XaX7JJPHiaP/VzxkpIn0Yc49uh70o2UUn0v+bYS1k2vL8khlzq0FlIIriO7eTaCTBYzSL+aqR+GauowdFYZAYZG4EH8jyKFG1QCSxAxk9TS0wOH+LVxrdn4Je60HU49PKXFusreS7SNuuI1G11kXaOTuBDbgSOOtWfEGq+KPDnhlbiQ2mp3cl2kclxZ6VMY7SAj5pGgWV3kxj+Fh94dME1va9odp4j0O40rUfM8icLlo22sjKwZWU+oYAj6VS/4R2/Oni3bxZrTTrL5i3e21EgGMbMCAIV78qTnvU9Lf10GO8Pas+oeHXvn1XTdZKl9txpkJjjOB90qZHIYHII3fgKqaZe2+jeA5vEV2nmyGzbULuRBl5MKXIz7DgDtitDQPDlt4fhuxFPcXlxfTm4u7q6ZTJPIVC5IUKo+VVGFUDjpTLfQzHZXWjXSw3WizxPGsbEh0R8gxnHDLgnByCBgc9acr8r5d7f1/XkKNrrm2/r+vmcR9q8QX/jX4f32vnTtt4bqeOKzjdTb7rYnYzMxEnB+8AnI+7VuP4hXg8Z6ZYxXtjqmnajfyWWbTS7mNYSFdhi6ZzFKwKYKqAeT6Vs6b8PbPT9R0e7k1jV706KrpYxXM0ZSONo9mwhUXdgdGbLerEcVDB8NLC2hsIbfWNWjg0u6+1adCJIitmfmyq5j+ZSGYfPuIB4Ipu3Ppt+n/Df8P3nXl13/XX9TMkfxhJ8Yr6xs/EGnxW40iOeOGbTppI0UzyAfILhQZMDBfjIwNoxS6x4x8UQ33jIabHpKWnhmKOdWuIpHe5BtxK0eFcBT1w/OOBtPWun1Xwomoa4msWWrahpGoC3+yvNZCFvNi3bgrLLG68EkggA8nmmTeDLCePxGsk90f8AhI4hFeHcuUAh8nKfLwdozznn24qNeSy3s/vvp+Bomue720/JXMyTxPrOteILbSPDQsLJv7Li1K4ub+F5wolJCRqiOmT8pJbdxxwc1mv8Q9YuvDGg3emWFiNSvtcbR7uCeRzFG6GVXZWABxmMEcHg4xnmuhu/BNtLcWV3p2p6jpV9aWa2Iu7N4y8sA6I6yIyHB5B2ggk4IzTo/A2kQaXothbm4ig0a9F9BiXc0kvz5MjMCWyZGJ6HPetNL+V/wv8A5af1rGtvO342/wA9fQytY1rxfosmk2M02iXF3qeoSwJcJazJGsK2zyhjH5hO4Mh43YIxypOQvgbxfq/iO5h/tWCyjiu9It9ShW2D7o95ZWVixO77oIIAxnHONx6TVdBtdYvtMu7mSZZNNmeeERkAMzRPEd2QcjbITxjnH0qpoHhCw8OtamxmuZDbadFpyecynMcZJBOFHzfMcnp7VPr/AFo/1sN7af1r/kHhoTt4JtxZvHHcGJxE8qF0VstgsoIJGeoBH1FYPg/xxq3ijXn0mWwt7O40ZWj105LqJ8lY0gOejBS5JzgYXrkjoNG03U7XRDpd0YbZViZI7u0n3yAknDBXj2gjOedwyOhqpp3gDRtH1LTb/SftFncWMD27tG4P2yNjuImyCXO8l93B3E88kU/tN9P6/r/hrNfZt1/r+v6uaDf8jpF/2D3/APRi1r1k21rqMniD7ffQ2sMaWzQqsM7SFiWBycouOnvUF7ouoXXjfS9Wh1OeCws7eZJrNJ28u4d8BS0eMHbydxJ7DHejol6/qHVv0/Q3a87+J8Osy6p4TWwv7GG2k1yBVinsXlIlCSsGYiVQyjA+XAOQDu4xXolZms6Da65Npkl3JMh029W9h8pgNzqrKA2QcjDnpg9OaXVPzX5ldGvJ/kYHiXW/EfhvT9Cih/svUNS1PVkspXMElvDtZHbcF3uQRsHds4PAzxH4h8U614N8PpJrhsr+/vdRjsrF7CznCYdc7nhDSOSu1ztQndhRxk46PWdBtdcm0yS7kmQ6berew+UwG51VlAbIORhz0wenNJ4h8PWXiXTBZah5qBJUnhmgfZJBKhyro3Yg/wCByKXT5/hp/wAEOvy/HX/gHFx/ETWbLQdcudS0qS5lsZLeKwuG02502O9edgir5c+WXa5G4hm4IPHSrGpeK/E/h+61e11M6TdvZeH59Vhmt7aWINIhwEZDI3y/Rsn/AGa3Z/By6jod/pWva3qmrwXiKu+5MMbwFTuVkMMaAMGwckHlRWUngud/GE7anPeapp13oUlhcXV3Km92aQfJtQKF+TPKqB680SvsvP8A9JdvxBWW/dfmr/hcuDxVenxB4TsTFb+VrVhPc3B2tuRkSNgE54GXPXPaua0f4n6vrl3pt9pumTXGl3999nNsmi3m+GEuUE5u8eScYBKgYAJG44rpdK+H1npmtaZqsurarqF3plvJa27XcsZURMqjbtRFHG3qACc/MW4xLpvglNFuMaNrurWWnfaDP/ZkbQtACW3MoLxGRVJz8quBycYq3bmv0/4P+X9dSVfks9/+B/n/AF0OZk8e+JotM1XWng0pdN0vXW01oBHIZriL7QsQYNvxGw3dwwbHRa3ZNe13WfGWq6H4ck06xi0ZIftN1fWz3JlklXeFRFkjwAuMsWOScY4zVmXwHpc3h/UNHae7FvqGonUZWDrvWQzLNhTtxt3KBggnHfvUuoeD4rnXZdZ0zVdR0W/uIliuZbExEXCr93eksbrkZIDAA4OM4qFsr/1ov1uU93b+lf8AyI4vEN7p/jBdG8QfZEhurH7TZ3UKsiu8f+vRtzHplXH+yT125q14R1e+1/Qhqt9DFDDdyvJZIisG+zZ/ds+T95l+btgMBjisDxv4Zu/F39leHnsLl7O3njnudZlnjTMYUrJGoRt5d1JRsoqbXbnoK7lEWKNY41CIoCqqjAAHaqW13/Xn+i9H3J62X9eX6kN5cy20atDZT3hJwUgZAR7/ADsoplneT3TMJ9NurMKODO0RDfTY7frT7zT7PUI1j1C0gukU7lWeMOAfXBFMs9K07TmZtPsLW1ZxhjBCqFh74FGgFuiis7SdH/sqW/f+0b+9+23LXG28n8wQbv8AlnGMDag7LTSTTbYzl9L06DTfjLex2z3DLJoccrfaLmSY7jcODguxIHA4HAx0rua5ZPBUyeJDrf8AwlOtNdtEsDZS02tEHLiPHkdMk8j5uetXL3RdQuvG+l6tDqc8FhZ28yTWaTt5dw74Clo8YO3k7iT2GO9dOJmpyi1K+lnv09Serfp+iN2uL8XeKdU0bxDa2cc9no+mSW5kfV9QsZbm38zdjymKSIsXAzudsHIA5rtKxdZ8PXGrTO0PiHVtNikj8qWCzMBRxz/z0icqecZUg9PSuN36Fq3U5v4n3eu2/wAPEvdF1i2tXElr500MDkyl54gDGyyrsXk5B3blOMjrWxqmpar4f8My3Gt65o8d20ypDc/2bKsQ3EAIIRMzyOTnAVhnjjirV14Q0m58Gp4XEUkOmxQxwxLG53xiMgoQxzyCoOTnkc5qtd+Df7S0uK11PX9Vu7i2u0vLW+cW6TW0ijA27IlQjBPDK2dxpvql3/DQS2VzB0rx9qVz4R8YXs8cMl74eWUxSNYT2az4gEqloJW8xOTggtyBkHmtvQLjxdqVjBfahNotvDeWHmxww28rvbTMFK7mMgEq8sSAEI4AJ60kXgGyS316GTU9SnXX4DFfea8ZLMY/LMqkJ8rbcDA+QYGFFdFZWiWGn29nCWaO3iWJCx5IUYGffin6+X63/QO1vP8AS36nCfDeTxVdtqsuq65ZXlpBrV7DJE1jL5h2uQBHI05CIDjC7WwOM969CrA07wmuk6zcXmm6vqFva3Vy91NpoELQPK/3my0ZkGTzgOBn8q36S+FeiB/E35v8zNk1S7SRlXQtQkCkgOslvhvcZlB/OtFSSoJUqSOh6is6Tw5oksjSS6Np7u5LMzWqEsT1JOK0VUIoVQFUDAAHAFPSwupw/wAV9Ogm8HS37vcCa3mtlQJcyLHzcRg5jDbGOCeSCRVnxxb+dqGiPqWnT6noCSy/b7aG2a5y5T90zwqCZEB3cYOCVOOMjR8UeFf+EqtfslxrOo2Vo2wvBaCDa7K4dWJeJmyCB0IHHSp5NEvZNLjtf+Ek1VZ0csbxUthK4P8ACR5OzH/Ac+9ehTrRjTgnLVOXfRNJdulm/uYupyHhNNMvfC/iC38S6XHLouk6tMbS31GETeTCEV1ARgcY3sAvVQdvGMUzU9IHhH4a6pc6XaxaPeatcw+eLKNYRarLKkQVQoABSNsZH8WW7118XhTT4dBj0mNrgQC4W5lcy5kuJBIJGMjH725h83qDjgVo6nptprGl3GnajCJrW5jMcqEkZB9xyD7jkVbxkfa3V+XmTa7pW/Pd/ISj+vyv/kcnZ2Vr4a+J1lpeh28dpY6hpU81xbQjanmRSRhZdo43ESMC3VuMk4FbOnKth4svtPtl2W0tul2I1GFjcsytj0zgHHrk96dpvhxdKup7/wC2XWqai0Agjmv5FBWMHIjGxAAM8k7Sx4yTgVa0zTpba4ub2+kSW9uiocxrhURfuouecDJOT1JPTpXLXqKclreys333/wCB9wJWvp/Wn9fM0aKKK5SwooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigCpa/60/7tW6qWv+tP+7VugAooooAKrajdTWWny3FtYz38iAbba3aMO/OODIyrx15YdPwqzQRkEUpXtoBw/gvx9ea34Kh13xFolzpsC2T3c98DD9nYLnOxVleXoCfmUdD7Z3fD/iKXX41m/sLUtPtpYhNDcXbQbZlOMYEcrsDg5wwFY/hTQ/Efhzwwvh2S00i4tbO3kitbpruQtOcnaJIfKwoIPOHb6HPDfCnhXU9H8RSXn2XT9D0w27R/2Tpl5LPBJKWB83a8caxEAEYRfm3Ek8Cq0cvL/h/6/QHsM1O71zQPGWgW0OuXGrrq11JHcafPbwhYIAhYyoY0VlCnYDvZgdwHUiutvdUtLBkjnkzNJ/q4IwXkf6KOce/Qd65Pw1pHivT/ABBeajrmnaLdXF/ORLfxanKZIrcE+XFHEbfAVR23jLFmJya6CTQ/s+pT6jpE32a6uMGdZF3xzY6ZHVT7qR9DSjsr/wBeQPfQ1lO5QSCpIzg9RS1RudF0y/kE2oaZZXE+0AvLArn6ZIzirqIsaKkahVUYVVGAB6UwOV+InivUfCHhv+0NK0mS/k86JC+Y/LiDSonzBpEYkhiF25wcZwKnvPGI0zSYrvVdD1OzuLm7WztbCRrdpriRhkbSkrRgcN951+6fbM3jXQJvE/hK70u1mjhnkaKSJ5Adu6ORZAGxzglMEjpmqmqWWu654fa11jw34dvGaX57G4v5JYJExw282+VYN22H656T0/rbT/gjNvT9Slu9Pe5vdMu9LZCd0F20RfAGc5jd1x+NUNHuTLpZ8Q6pdvHHLCZhGz7YreH7w46E7QCWOT1xgVB4Q0HUtI0i7ttZuVkW4nZ4LVLiS4SziKgeUssgDuMgnJAxuwAABUaaTJe+E77wjfrPDvspbSO7VNyPEylAwPQMARlTjkcZHNOV0m472/r+vXoJWuubYwZPGFxrfjbwZ9js9X02wvXuZFNyBHHexeQSrbVc8ZwQsgVu+K6NvGCW+vWmm6joup2CX1w9ta3k4hMM0iqzYAWQuuQrEFlAOPcViaf4X8VSax4Un1htIjt/D6SxObaWR3uMweWJBlFCc9U5x/ePSsez+Ges2l/pF89todzqWl6k11Jqks0hutRRt4Ikcxkx4D52gupKgDaKbsp2W36f8N/w3adeW73t+Ov9fqbs3jrWYviLd6BH4T1C5tYLFbhDC9qJHJldPMy1wF8shRgEB85yBxVnU/iPYabf61aDSdWu20JUkv3t4YykUbRiTfuZxkAHkDLcHCkc1Lqmi63beOv+Ej0GHT70zactjNbXt09tt2yM4dWWKTP3iCCB25qpd+DtSuY/HeJbVW8SW6x2o3tiNhaiI7/l4G7njPH5VF3yedn999PwNFZz120/JX/U1NR8Z2trf21hpthf61e3FsLxYLBEykBOBIzSuigE8AZyecDiq1z8RdFt/D+lazHHfXNtqt4LKBILYmVZvnBVkOGBDRspGDz7c1UXwxr2ja1Z6xoX9nXc/wDZMOm3dreTyQofLJKyJIqOerMCpXkY5FVrX4fXtlovh21W7t5rmx11tXv5SGRZGfzS4jHPQygAEjgdc1pZXt5/hf8Ay19fwjW1/L9P89PQ07nx6ljFbfb/AA7rdtdXV29nDaPFC0jusJl3ArIUKkAjduwDnOACRZ8N+NtP8UXBisba9hDWcV7DJcxBFmikyAy4JPDKQcgeoyCCX+I9ButY1jQLu2khWPTbuWeYSEgsrW8sQ24Byd0gPOOM/Ss3wZ4Qv/Draeb2W2k+zaHb6c/ksxzJGzEkZUfL8wwevtU+v9aP9bfeN7af1r/kS6dqEeieB38RXo1G+aKB5bhUneZioY5Ko77eAM8YOAcela994ksbP+yQgkuzrE6xWgtgG3AoXMhyR8gUEk/kCTWfoGo2mn+FVi1ffYpaRM1zJewPDEi7jnLuAuOfWub+GGjNJdXOq/aGudGsGlsfDpZCNtqX3M4J+8CdqK3dIlI6809ZNf1/T/zFsv6/rTr8jrra3Fl4tEEM100Ulk8jJNdSSjd5ijIDsccHtW5WHbXAvfFonhhulijsnjZ5rWSIbvMU4BdRngdqS9vtdj8b6XZWVrBJostvNJfTvG/mROMeWFbO3knpyeCeBzS6Jev6h1b9P0N2uA+Juu6nYyaJpdhpuqvb6jqUMM9xYXEULSoVdjCjmVHRzsHzfKMZ+YGu/rn/ABToN1rl14fktJIUGm6tHezeaxG5FjkUhcA5OXHXA681PVeq/Mro/R/kZ7eIrLwZ4e01r/Tdeh/tC+FpFa3U/wBvuVkYMRlvNkJU7OMM2Mjgc4vN4xhttIlvdV0nUtNkW6W0is7iONprmVgNgj2OytndjO7Aw2cYOHeKdButcuvD8lpJCg03Vo72bzWI3IscikLgHJy464HXmq/j/wAIf8JloVtbILV57K9ivYYr2LzIJmTIKSL3VlZh7Zzg9Kd9Pn+Gmv5h107fjrp+QifEDSotP1e51e3vNJl0bYby1u0VpFDj93t8tnV93QbWPPHBqNviDa27X8ep6Lq2nT2GmSapLDcRxEtChwdpSRlLH0zx3xWVL4CmvPCuqafa+H/Dfhi6maCa3fSiZEklhk8xPNxDEduQBjB4ZqrX2m6rr/jfUNM1v7HZ3GoeFZ7YLaO0qRb5Qud7Kpbk5+6uOnPWlK+y8/8A0lv80Ctu+6/NL9TsR4psjqeiWPlXHm61bSXNudq7UVFRiH54OHHTPes6P4habJeWoWyv/wCzry7+xW+reWhtpZslQo+fzMFlIDlNpPRuhrM0nwt4nbxN4b1LW30qG30WxmtDb2k0kjOXSNRJuZF67Pu4G3HVs8UPDPwz/wCEYnt7VPC/hTUYba6MkOsTrsvUTzNwyvktukUHAbzFzgdKt25tNv8Ag/5f10JV+TXf/gf5/wBdTaPxO0sNdP8A2Zqv2Oy1I6Zd3phQQwSiQRgkl9zKWI5QNjPIFaWoeL4rbXZdH0zStR1q/t41luYrERAW6t93e8siLk4JCgk4GcYrAufAeqTeCdb0dZ7QXGoa42oxMXbYsZukmwx253bVIwARnv3rQk0DXdG8ZarrnhuPTr6LWUh+02t9cyWxikiXYrJIscmQV4KlRyM57VC2V/60X63/AK1Ke7t/Wv8AkbOn+I7a+12fR3trm0vYbWK78u5VRvjfIyuGOdrAq3ocdQQal0PXbfxBa3FzYxTLBDcyWyySqAJjG21mTBOV3AgE4zg8Ywa4f4hSzXep6Fa6BqNvbeM9/keVbt5xhtplxM7jgiNcB1ZgBuRRjnFd/pWmWui6RaaZYR+XbWkSwxL6Kox+dUtr/L+v63v2J62/r+v0H3moWenxrJqF3Baox2q08gQE+mSaZZ6rp2osy6ff2t0yDLCCZXKj3wafeW0tzGqw3s9mQcl4FQk+3zqwplnZz2rMZ9SurwMOBOsQC/TYi/rRoBboorO0n+2/Nv8A+3PsHl/aW+w/Y9+fI/h8zd/H1zt4pqN03fYZh6ZqOtp8SrvR9Uv7e5tRpaXcSW9p5IQtMyc5ZiTheuQPYV1tcXFpviwePn199N0UQSWSWJjGqyllVZWff/x74Jw33fbrWve32ux+N9LsrK1gk0WW3mkvp3jfzInGPLCtnbyT05PBPA5rpxKXNG1tult/kT1fy/T9TdrA1bxZHp2ux6NZ6Xf6tqLW/wBqeCyMKmOLdtDMZZEHJBGASeDxW/XH+MfDt/rl0jWmi6PdtHHi3v7i+mtLq0c5yUeKNmx04DJnkGuNlpXF8e+L9S8LeE49U0zRJ7qaR4QwcxbbffIilZAZVJYhyBt3AMOcDmtdNcvW0eW8l8NarDOkgRLFmtmmlzj5gVmKAc/xOOhrM1zwrqOsfDZNAn1NbnUkity17Mm1ZpYnR9zAdAzJzjJGe9V/EWi+JfFHhuK3vLbTbSeG+jmkso9RlkgvoV+9FJJ5KMoJPQKw+UZyCRTel15/hp/wRLVIvW/jiyl0PXNRubG+s5NCDm+sp1jMybYxJxsdkbKkEYbHrinaT4wOtRiaz8Pa0LeWzN3bXE0MUaXIGMIuZMqx3cBwoOCQcc1zenfD7UrDRfGWm2tpoun2/iC3Y20NkzJHaytB5WwqIwCvAbeMEkn5BXeaTaPYaLZWcxVpLe3jicqeCVUA49uKf/A/W/42Dt8/0t+pyvgnxrq/iWa9j1Dwze2scOo3NqLpXt/LiWNiAsgE7OX4wSqlcnjjmu1rk/Dmi654d1XULZINPudJvtRnvvtRu3SePzTuKeV5RVsNxnzBx27V1lJfCvRf8EH8T9X+ehmyeI9EikaOXWdPR0JVla6QFSOoIzWirB1DKQykZBB4IrOk0u7eRmXXdQjDEkIsdvhfYZiJ/OtFQVUAksQOp6mnpYXU5P4hajrejeH21LRr+3to4ZIUkje08yR98yJw5baowx4KH6irHifUrxNc0TRbO+bTBqjzb71ERnXy0DCNN4ZQzZzyDwjYGeRD490nXfEGhvpOi22nNFM0Ujz3d48TIUlV8BFifIO3Gcjr04qzqtnqmsaAkGo+HtBv5mkzJZXl20lvgfdYOYCSfbZ+NehT5FTg5WveXa9mla/ezu9f1F1M3w1qd74p0fU7Ntdmt7nSNUlsn1CxihDTqgBBKyI6A4cZwByvGAcVWOt6zoXgbU9bm1CbVGuJ0j0kX0USkK7LFGz+UiAhmbf0ztIGc1ftPCF3aeEbnTEmtVudSuvNvmiQpEsbMoeOMDkARLsXPoCcVr+JdBTxD4ZudJEv2UyKphlVc+TIjBkbHGQGUHHfpVurQVW1lyuSvotla/S+vl09RJP8/wDgGTZ3Wo6d4vj8OatqU2pw6hp8lzFcOiRSROjKroDEF+UiRSpxuGD8x4xq6XcT22sXWkXUz3HlRpPbyyEFzGxI2se5BU89wRnnmqFjpOpP4j/4SLxGtrHLaWTWtvb2LyTAKzBpJCSqks2xQFCnGDy2eL+l289zrF1q91C9v5saQW8UgAcRqSdzDsSWPHYAZ54rlruLkrWvbW219dradvxBf8N+F/1NiiiiuUsKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAqWv8ArT/u1bqpa/60/wC7VugAooooAKhvLy20+ymvL+eO2toEMks0rhVRRySSeAKmrnfH3h658VeBtR0exljiuZ1RojKSELI6uFYgEgHbg8Hg0nsNbk+l+LtI1cO1o95HGkRmM13p89tE0Y6sryoqsOc5BPHNR6T438P63fRWmnXrtNOjSW/m20sK3Kr1aFnULKB1yhYYIPSqN6dW8XeFdW0S80C90Ka80+WAXFxPbyReY6FcKYpGYjJzkqvHbPFZVtpfiDW9W8JrqOiPo0Ph52muJ2uonWdhC0QSEIxYod2SXCHAAxnpS3t/XX8vxF9m/wDXT8/wL1jcatp/xVGjXOu3mpWE+kyXgiuordfLkEyqNpjjQ4wSOSa07vx54bsdSlsrnUSrwSrDPMtvK0EEjdEkmCmONjkcMwPI9RUUmkXzfFaDWBB/oCaM9q029eJTMrBcZz0BOcYrktQ8NeJF8L+JvCNto32lNbvLmWDVvtMQhijncsTKpYSb0ycBUYHC8jnEx+FL1/8AStPwHpdv0/LX8eh22q+NNC0XVv7Lv7uQah9nFytpBayzyvGWK7lWNWLYKnOMkAZOBzWtY3tvqWn299ZSeZb3MSyxPtK7lYZBwcEcHvXN2eg3tt8UJNVaIvYjQobJLl3Us0izOxBGc9CpzjFdXVaW/ru/0sLr935L9bhRWVrOjf2q8R8rTX8sEf6dYfaCM/3fnXH61Jo+l/2XBJH5dgm9t2LKz+zr07jc2T70aWF1Ld5eW2n2U15fzx21tAhklmlcKqKOSSTwBWbo3inTNel2ad9uPyeYr3GnXFuki8co8iKrjkfdJ61V8feHrnxV4G1HR7GWOK5nVGiMpIQsjq4ViASAduDweDVrRdX1PUH8vUvDd9pBSMFpJ57eSNm/uoY5GYjryyrx+VJb/wBf1/XmNi6dd3WrX81zFOIbC3meFI1QFp2XhmYnoAcgAYPGc9qoQR+KRe2nnTZg/tS4M/yxf8em1vKHHPXb0+bnmp9CddJnm0a7JjkNxLLaswwsyMxf5T3IyQR14z0rfpOOqf8AXR/p+aIlHm0uYmoeMND0u4nhvbxkNtgTutvI6REjIVnVSoYjGFJycjjmpdQ8T6TpmoCxu7l/tZhE628UEkrsmSMhUUk9DnHTqeK4rxBDqWj+FvE9g1kJYr68eaG8EyBD5rL+7K53+YDwBtweORXWRaZdL8QJNTaH/RTpSW6y7h98SsxXGc9CDnpWUZTdl3/DRv8AOy8zL2k7tf1vb8tS1P4l0u3s7S5aeSRbyPzbdIbeSWSRMA7hGqlsAEZOOMjNOfxHpSaVb6iLsS21yQIDCjSNKeflVFBZjweAMjB9KwfEegXU3jC31qK1vr62+xG1lgsL9rWZDv3BgRIgYHJBBb0PNUr/AMJyfZdBuNK0q+gg02WcyaaupGO4Ky5ywmWT72ecb8EEjNJznrp18+/4/IHOom1bb18v+DpudI3i/Qo9OivpL9Y7eW4+yhnjdSsvPyMpGVbg8MB+oofWBrWg6mfDcz/b4Y3jjWWExPHNsyoZJFGOoPIwawf+EcdodLOm6LeWQj1tL25S+vFnkYCMgyFjI+edowGJ4zitvRtOurTxT4hvLiLZBeSwNA+4HeFiCngHI5Hen70k09P+GX6t/cVGVTmV1+fn/kvvH6UuuLrM/wDacm6y+x2/l/Kg/f8Azeb05/u+3PFbVFYWheILnV9d12wm0w2sGlXCQRXQnEi3WU3E4A+UrkAjJPPatutvn+P/AATSMeVbm7XM38fin7VfGxmxCb61+zDbEcW/y+f1/wCBdeeOK6aipau0wlHmVjko/F0Vh4m8Q22sXb/ZrJ4TEsdu0nko0QZmbYpIXOfmbgetSeN7q+tPC1xrWjaxcWxt4Q6JCkLxy5YcnejHoexFUryx1y21TxQbTR3u49XWNLaVbiNVUiEIWcMwIUE9gTweOmbes+Hrv/hVzaBYj7VdR2cVunzBd5XaCcnA7HrWK5nB36LT8f8AgGDc2nH1799NToJNStYL60sZpdt1dq7QptJ3hAC3OMDGR1qD/hINL+w3N4btRb2s7W8rlWGJFO0qBjLHPAxnJ6ZrM1+z1BPEGiatYWEl+tkk8csMUiI48xVAYb2UYBXnnPPeufk8J63d+GJVubcR3sevPqQt4bsx+cm8nasqkFSQTg8HIGcVTnO7SX9XX6Nv5FOc1ol/Vv8APQ6qTWV1rRNTXw3O41GCJlSOaExSRSlSU3JKoIycYyMGk06LXm1S5XUbhls2sYBE6rHlZ8N5pHB5+6eQV5471F4Z02G0ury5TR9S0+acIJJNRvvtLzbc4wfNkwBn1HWt+SRIYnlmdY40UszscBQOpJ7CrS+0/wCt/wDP8F2KipSSctzN0u9uft91pmosslxbqsiTKu0TRtkAkdiCCDjjvxnFalYelg6h4gu9YRGW2MCW1uzKVMoBLM4B7ZbA9cZ6VuVozRBRRRSGFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAFS1/wBaf92rdVLX/Wn/AHat0AFFFFABQTgc0VW1HTrLVtPlstUs4L21lA3wXESyI+DkZVgQeQD+FKTaV0AzSNXste0i31PSp/Ps7ld8Uuxl3DOM4YAjp3FXK8g+HFt4OsvhybKObStH8SR6bPDqMtssSahbAEhmcAb/AJTtPPHC+1XvhvNo1hrj6Po9r4e1GRLEtJr2gRqBIFZQEuMZ2yN1H7xi21jhacrK9vX13/yBqyueo1zF34m1XT/GumaNe6TZiy1SSZLe7hv2aQeXGXy8RiAGcY4c15P4Q/sWXwv4DTw4bd/Fi38RuShJuo7UM/neZ/EIdnQH5Mlcdq9M8V/8lI8Df9fF5/6Tmm1b77flqEtG1/XU7OqWoavY6VJZJfz+U19cra242M2+UgsF4Bxwp5OBxXmHiH/hHP8AhMPFf/CwfK8/yov7D+153eV5Iz9kz/y183dny/nzt9qh8Q6LBceCfAGreO9Mspb23uLNNXu763VjHD5T7hM7jhd7LuB43HNStbPzX4/5dew2rfc39yPYqK5mEwHwxbf8K5OlHTRIQP7N8vYF3Hf5W393u3Z68Zzmr2nrv0+QaVK8N1vHnNqETyPn/aG5T9MHb6cVViTYoqtZpeorf2hcW87Z+UwQNEAPcF2z+lS3FvDd20ttdwxzwTIUkikUMrqRgqQeCCO1JjRW0zV7HWI7h9On85ba5ktZTsZdssZ2uvIGcHuOPSrteU/DvT/Beia5q1ncWehaf4hi1m8NpC0UMd2sBJKeWMb9nlk428YzVfwQ+haR4usbHTm0HxPd3UkzHWbBF/tG2BVmJusbjg/d3Fl5KjZ6EbNLzSf4A9L+T/zPT20LSX1Qak+l2TX4ORdG3Qyg4x9/GenvV+sxvEWlp4pTw411jVntTeLb+W3MIbbu3Y29eMZz7V5Pr7eFf+Eq+Iy+Jvs73jC3/s+K4JLvL9kXb5CnrLux9z5+R2xU/CtF5/oOMVfsei+NvEuq+FNHm1az0mzv7G2jD3Hm37QSjLAYVRE4br3Za6VTlQfUV514zXUE/Z7mXWiTqK6Zbi6J6+b8m7PvnNS+P/sH/CSeGf8AhKvL/wCEX23H2v7V/wAevn4TyfPz8u37+N/G7HfFXJcsuX+v67Ex95Jnc6hf22laZc6hfyeVa2sTTTSbS2xFBLHAyTgA9KktriK7tYrm3bfDMgkjbBGVIyDg+1eSWui2+u/DXxxa2unRahoqz3L+HYpIfMVcW4AaAMCAnmF9hXjk7eMV1Hw/Xwg/hkReDf7EjvmsohfDTREsivswPNCcg53fe5zn3pd/RP77j7erX3NHT2GptqVxIba3P2JCUW5Z8eawODtXHK8H5iR04B60/TNXsdYjuH06fzltrmS1lOxl2yxna68gZwe449Kz/DUNveeCrSyuYI5Yxb/ZrmCVQykgbXRgeDznIPrXDfDvT/Beia5q1ncWehaf4hi1m8NpC0UMd2sBJKeWMb9nlk428YzTdlJx8v1Qvs83n+j/AMj1asE+MNPHi638O/Z78XlwsrJJJZvHCfLALYdwA/3hym4c9a8/8EPoWkeLrGx05tB8T3d1JMx1mwRf7RtgVZibrG44P3dxZeSo2eml4n8X+GrX4u+GPtPiHSofsMGoR3XmXsa/Z3KxAK+W+UnBwDjoaXVed/yKtuj0yisvU/EukaRPpkOoXgjfVZxb2W1GcTSEZABUEDjucD3rUoEUtW1ex0LTXv8AVZ/ItkdEaTYzYLuEUYUE8swH41drg/jFoljqvw/uLi70y3vZrOWGRJJLdZGhj8+MylSQSBsB3Y6gc1neILbwJfeCUg8N634Y0jTF1BJZDEkL2FxKq58q4VGVSCMEgsDwvXpSvp/Xl/X4DsejXty1pZyzpbzXTIuRDAAXc+gyQM/UgVk6L4qg1fVbrSp7C90vU7SNJpLO9Ee4xsSFdWjd0YZBHDZBHIFc54Y8WaHo3gDV9X/sqx0nS9Kmfe+kgNa3eFX95AQqhgxIXpjcCMnGal8AXmla3qV9r7a1pepa9fQxia30+8SYWFuCSkPyk5wWJZjjcxOMAACre9by/wCG/rt5kvb+vn/XfyO7orM03xFper6pqWnaddeddaVKsV5H5bL5TMMgZIAPHpmtOkMKK8m0/wD4RQ+KfEI+Jv8AZn9s/wBqP9g/tnbn7JgeT9m8zjHXPl87s55pniD/AIRv/hLvFf8Awn/k+d5MX9h/a858ryRn7Jn/AJa+buz5fz52+1K/up+V/wDgevkUleTX9b/kdt428S6r4U0ebVrPSbO/sbaMPcebftBKMsBhVEThuvdlrpVOVB9RXmXiT+1P+GbT/wAJBv8A7T/sq3+1eZndvymd2f4vX3zXcat9txB9i/tLG07vsP2bHb73nf0/GratJxM07pM1qKztH+1+RJ9t+37t3y/bfI3Yx28njH15rH+JX9rf8K51f/hH/tH27yl2/Zc+bs3r5mzHO7ZuxjnPTmploUtTqaK83g/4Q4+FNaPwr/sf+3f7Kl8r+zNn2rds+XzAvz792Pv87vfNY2gf8I//AMJL4O/4QDyft/7z+3fIz5nleS277Z38zzduPM+bdnHemld2/rr+VtQ+zzf10/Pp3O60/wATaq/jhvDusaTZ2paxe9huLW/afcqyBMMrRJtPOeCa6euMl/5Llbf9i7L/AOlCV59rn9l/2T4r/tPH/Cf/ANoz/wBk7s/bsb/9G+zfx+VtxnZ8uN27vUx1ivn+ErfeO2r+X4q/3HulFeb3OgWOv/GaSHxHaQ3qp4agMltJ80DuZ5MkoeGxzjIOOo5rrtR1TQ/Avhu3e/m+waZbeVaRfI8m3OEReAWPYZP41XRef+bRN9f67J/qbVFFcj8TIdPn8GyRXomN40yf2X9lIFwLz/lkYiejZySem3dnjNS3YpK509693HZStp0MM90B+7jnmMSMfQuFYj67TWN4S8R3XiGHUxqFhDY3Om372UiQXJnRiqqdwYohx8393tWD8MJpW/tqLxFx4uW6zqwbABXGITF/0x2fd99+ec0nhS6axsfHt3HayXjwa1dyLbx/emIhjOwe5xj8aG+Vu/8ALf8AFf5i3tbvb8H/AJHfk4BNY3hHxB/wlXhHT9b+zfZPtsXmeT5m/ZyRjdgZ6egrynwZeafB8QtAvrCbw7aW+qadcRzw6LbGFROfLZIZpC5Esw+bAKq4w3HNUPCQ0eTwv4Cj8PeQ3ixb6FrjaSbqO13OZd/8SwlDwD8hyuOoqktben5tf8EV1Zvt/lc9+oorA1D+0/t8v2b+2/KyNv2b7F5fTt5nzfnSGb9Zur6s+lzabGlt54vrxbYnft8sFWbd0Ofu9OOtW7LzPsUXn+d5m35vP2b8/wC1s+XP04qehp/1/XUTu1oYOl+K7a8sbee/j+wvc3stlChJkDOjsoywGBnYcZx6c1rC/t21JrBZM3KRCZkCn5UJIBJxgZIOBnJwfSoNb06LVdFubScsodMq6nDRuOVYe4IBH0rj5Dqk3wku9X05nfWdTgW6nkhU7udoIQA5GIwQADnj1NYuUop31sv6/HX0M3KUXbf/AIG/6WO/orzrw4mnWN5e6lo2raRqGNOcvpOj2pgMpXBDOvmud/8ADkgH5qoeFrqzi8aaNdWkui20V/ZypLFpkBiUSnYyxSuWPmSDnghW68c0KpeST6/8G35Gft7JNrfz9P8AM9Urmb/xdLZXV9CNN8wWt9a2Ybz8eZ5235vu8bd445z6iszwl4e0vUJdWvb60S4uYtduHhkkJJhKyZGz+7yMnHXvmu5qotyjGW17P77P/gGl5TTtpv8Aqv8AghRWZq3iLS9Du9OttUuvIm1O4FraL5bN5shGQuVBx9TgVp1oahVTU5dSisy2jWlrd3O4Yju7poEx3O9Y3Ofbb+Nct46P/CO31h42hVvL0wGDVFRSS9k5G5sDkmNgr/QP61b8DWMz2d34i1CFor/XpRdNG/3oYQMQxH02pgkf3mahar+v61X6oHp/X9bf5dy94P8AEL+KfC1tq8totm8zSI0CzeaFKSMhw21c/dz0HWrfiDVf7C8Nanq3k+f9gtJbnyt+3zNiFtucHGcYzg155oOo/wBk/s+z3h08aksbXQa2YkKytdOpLYBO0AljgE4Brl4JLKwXxzaWF7oRs77ws81umh2v2a1mkVZg5jXewkZQVDMp6bQQMVEpaO3b9G/0KgveV+/6pfqe5abef2hpVpe7PL+0QpLsznbuUHGe/WrNeReGxo7+MPB3/CHeQ15FYyDXnhJMoj8lQi3JPzb/ADNu0SfMMNjgGvXa2mkpOxlB3SuFFc3P/a/2iTy/+Eg2bzt8v+z9uM9t3OPrz610UefLXduzgZ3Yz+OOPyqbaXK6mVqetyafrFnYpZ+cLmCeXzPM27DGFOMY5zu9ePeqtt4ysG0fSLy/jngn1W38+G1t7eW5bG0E/wCrQngMOcCuhrkPE6Xsnjzw0um3EFvP5N5h7iAyqBtTPyh1P61jJyjtrf8A4JnPmj7yf9O3/B+86PS9Wsdas/tWmz+dEHKNlSrIw6qysAVI9CAauV5/4n0a70Lwnttbt5vteqJcatcyQllaNj85MaEHyxhQVB+6Dk9TVe0tLG28J+LX0vW9Kv4JrB2+y6TCIoLZhE4JCiRwC3fp0qHVcU21svxtf7vMSqS51Brf/g/0z0iiuR07w9bWHhJdQ0O0VdZbSSkdzkmSRigI3MfvfMBjPToMCqvgr/hEza6d9n+wf8JD5I+0ebtF95u3955m795nOc5/wrZycZuL6f8AB2+4SqtqN1v5+n+Z3FFeSaBbLdX1lNrOvaVp/iCHUS08cloVv5T5hHlbzKC0bKQAAm3GMDin3GnWsfhnXtXEWdQg8QuYLgkloP8ASUB2H+HIJzjrnmso1W7afj5r/P8AAl13a9vx8m/0PTptStbfUbawml23N2rtCm0neEALc4wMZHWrVcJ4v0zQIvG2h6jrtjpy2kqXCXVzeQpsZ9i+WHZhjPBxn8Kh8UXGkXV7p+mR2+gpYtYNLaXd9bi4hcZCiKBFZQWxg8HOCMA0Oq0nfct1GnK/T/gf5noNFeWWd7bXXhvwYviGeOXR0SSLUDcuPKWdUxGk2Txg7uG7gZ5xUEpaLwzqw0PMGmjxCq3G6F3VbXZGDlAQxj+7wCPl9qbq6uy/q6Wvbe/oZ/WPdUrf1Zv9Lep61RXH+BrSxtrnU30vW9Kv4JjG32XSYRFBbMAQSFEjgFu/TpW/4h+2f8I1qX9l7vtv2WTyNn3t+07ce+elW52hzWN6cnNXZo1hNrt/c6/eadpGnW9wth5YuZbi7MOC43YRRG27C4PJXriuR0kaOda8MjwkIjeHf/awizv8vyju+099+/GN/Oc471o+HvDOgjxt4kxomnf6LcWxg/0SP9yfJDZXj5eeeO9TzSckl/Xp5fqY+1lNLl/rS/bc7qsW88XaNY31zaXM9wJLTb9odbOZ44dw3DfIqFFGDnJNbVcHDruk6R4v8XR6pdwJJK9v5dsWBknHkAYROrenAoqTcdjacmreZ3UUsc8KSwuskcihkdDkMDyCD3FOryI2F3YQ+HdP8Sz6fZ6YmlcDWLUz2yXG7JRh5iKHCEAFj2IFaVxbwWmk+FrfUtVTV/Dcc063l2oP2d+vkiT5mHlg/L8xK8DNL2j1062387a/p3MFXfVdF+S/DXfyPS6K4jWrzw7Z+EANAtdGuNMuL2OGVlCmzgJPMkgTgqMDI4GSMkVzltcSWfhjxhZaXcwPtmimiTS4TCv2dlQSSQx7mIXG/wCZSQSCRQ6qTa/rp/nuXKtytLv/AMH79j0ZtZ2+LI9E8jO+ya787f0w4Xbtx75zmtSvM7f+zF8YXP8AwgYtsjw/N5BtB+6Mu9duD90tnGe+etM8FW1lJquj3ia9pUepLEy3djBatFeXDFPmE5aYsxVhnLL1HGM0oVG7J+f5tfoR7Z81t9e/lH/M9PrGufFek2t1NA0lzK8DbJmtrKaZI29GdEKg89CeK2a4HVdUsdCnvZvC2tRNqD3JeXQmIkNzKWw21P8AWKx9QdvfHerlKzRtUk4xujvgcjIrC8Va5qHh7S5dSttPtry1t03TeZdtFIOQMKojYHr3Iri/H88OoXus2r2ul297aWStayXVsZru5JUt/o+GUrtPG5d2CMkYFb3i67jvvhFd3UM6XCy2cbeajBgxyuTkdeaj2nNGTXT/AIP+RnKq3eK7f1odkpyoPqKWuH8fmfz9CWaa2g0dpXF695bma3DbP3fmqGX5c56nbnGe1Zv9m6WPBr2x8WaS9kdS8+NhEBYr8u77OV8wjy8843AZP4U3UabVtvP0G6rvZL+rHfavfNpei3t+kPntawPMIt23ftUnGcHGcelZ+neIJ9R1S5sUsFjeGxgulZp+GaUNhDheACnXn6VX8E3lpdaTcLp+m2djDDcMgbT8fZrg4GZIyFXI7dOoPJ610laK71vpp+v+a+7zLi3NKSZR03Uhf+dFJC1vdW7BZoXIO3IyCCOqkdD/ACIIq9WHafvvG+oTQ8xQ2kUEpHQybmbH1CkfmK3Ktl+QUUUUhhRRRQBUtf8AWn/dq3VS1/1p/wB2rdABRRRQAVBe3ElrZSzwWk17IgytvAUDyewLsq/mRU9FAGL4a8SxeJbe9eOxu7CWxu2tJ4Lvy96yKFJ5jd1I+Ycg1tEZBFeeeHby70/RviFeabD595b6veSwREZ3usKFVwOuSAKz/AcHim/m8P8AiI6hbvp95bM1+W16e7+2M0eVKQNCscLK45WMgAZHOKWko69k381cHpf1f4M9A8OaDbeGPDtno1g80lvZx+XG0xBcjJPJAA7+ladeM2epXFz4X8M+I7jxDqUesavrsMNxa/bnWIj7QQ9uIM7VCBcHADHB3E5OZHk8Z+KtY8Svpd1b2V7pOqNBbPLrk9utrEm0qXtUhZJFdcnc5OdxxgAVWrevz/D/ADQPT+vX/I9ioryTXBqF3efEq7bXNVhGjW8c1hBbXskUcEgsxJuAUjILdVPynkkEnNajX83iDxnpem6vql3ZWaeHk1Qi0untfPmZ9rMzIQSqAA7c7fn5B4pLX+vJv9GN6K/9dF+q/H59joniSx13w6utQeZb2hMoJuAFK+W7IxOCRjKk9elNuvEkFnob6rNZ3gtxKkaAxgPIHZVDBSQQMt3wfbpXCeDWDfBDS2WYz25vmM0oIO+L7Y2WyOMEcntivT54IbmIxXMSSxkglJFDAkHI4PoQDQ07EO70RU07WINTutQghjmRtPuPs8pkUAM21WyvPIww64q1bXMF5bpcWk0c8MgykkThlYexHBqC40y1mtrmIRtCLlt8z20jQu7AAZLoQ2cKBnPQY6Vw/hO2/sn4Uf2vpj3b30enzFEku5ZIw67jxEzFAQR2Hr6msZVHBPm6K5N5cyj3v+f+R6JRXA2076ff+FZdN1e81BtXDfa0mu2lWZPKLmVVJITa2PuBRzis3SLy6j8L+FdVh1e+u9RvNQS3kSW8Z1ljLMHUpnb8qgnONwxyarntLlt1t97t+pn7dWvbpf5b/eeoVgfYbXw5rV7qkFvqF5Pr15Ak6woJFgKxiMOQMFUAUZJJ5NZVvp82ueMPE1vdatqcNvbvAsEVrdvEIi0IJYbT69j8vqDU/i6A2mpaJfW11exTTarbwSKl5KI3Q5yDHu2c454o5no+7S+9oqVR8kpJbX/A62qNzq8FrrVjpkiSGa+WVo2UDaBGATnnP8QxwawdWdtQ8dR6TeXt1Z2MWmtdqLe4e3Msm/aSXUgkKMHGcfNkg1zOkiXW7zwiZ9Tu5RJ/ae65WbEkqB8AbxyMjHK4wOmKn2jbVvP8NPzFOraXKl2/T/M9Pmmjt4HmuJEiijUs8jsFVQOSST0FV7/UoLDRrjU23TW8EDTnycEuoXd8vIB4964kxyal8NfElteXN5P/AGfPfRQP9qkEhVN20OwYFxzjDZB75ro/DGkWUHhq22NcXEd3aReYtzdy3CMCnQLIzADk8DApqUpp8vZNfO/+RSm3JK3f8HYXS7/TL3xFci0tLiC8+yQ3EzsNqSLJnbkBsFhtIyRx0BrdqGK0toZmlht4o5WRY2dEAYqudqk+gycDtk0y21Kxvbq5trO9t7ie0YJcxRSqzQsRkBwDlSR2NalxUkveLNc9N4tFr4ss9CvNF1K3a/eRLW8cwNDKUQu2NspccDugroa4zxX/AMlI8Df9fF5/6Tmgp7HU3emWl/cWk15CJXs5fOg3McI+CN2M4JAJwT0zxVqvKdel8TeJPiF4g0LTpEgGn2kDWA/tyfT2XzEJM+yKJ/OAf5cOdo24xyTV93v9U8YaZoHibV57eO38PrfSyabePbJdXO/ZI/mJsJVAAdvA+fJHSlHX5/5P/L8vk3p/Xp/n+fz9HorxS38Ra5eeGvBtja3731vrF9fxz3tzqb2jXOyRzDH9ojRmTcOQEAJ2AAgcVpX9p4q0vS9B0zVNbltpLnxSkUbWOoPcSR2jROwheWRFZzkHlgTjackimtXbzt+KX6i6X9fwv/kes1mNr1qviuPw+Y5vtb2TXofaPL2BwhGc5zk+mMd6831PW9S8MaJ8QLWw1K8MWl3VolrPdTvcyWqTpF5jB5CzELvZhuJAx6Vds7S20b4wm303VLq7aLw27n7XcSX0kZM6YJBYyHd125x/dAoWsl2f/wAi2EtIt+n5pfqeiWmmWlldXdzbQhJ7yQSTyFizSMAFHJPQAYAHA7Varn7HVL6a9ijlud6MeV/sK6hz/wADZiq/U1zfw7g/4SfQYfEetatqUmsG7lFxBHqUsUNq6SlRAYEYR8AAYZSTnJJzTtrYVzuL/VIbBoo2SWe4mJEVvCu53x1PJAAHckgD1q5WHb5/4Ty987OfsMXkZ/u7234/Hbn8K5tQ/iX4oa/pGtalf21vplvbPYWVnfy2nmo6kvMTEyu/zDZySox0yaOw+56BWV4g1uXQdPa8TSL7U4o1Z5RZtCDEqjJY+bImfwyfauVvo/7T+JEXhy/1fULfTLbRUuraO31CS3kupDIyu7Sowd9qheN2PmyQeKTw1qt7rPwZ1G51G4a8ZYb+GG8YjN1CjSJHIcADlVHPfr3rOcrU3Jef4O36FRXvqL8vxVztdJ1KHWdFstTtVdIbyBJ41kADBXUMAcEjOD61bryy7lvR8PPhrbWGo3Wn/a7qxgmktZNrNGbZyynsQcDqD2PUCpE1seGLXx7bX11ql3pulT262ym8eS4TzoY/lWaRtwG9s5LfLkntWs0lKSXRv8Lf5kQu4xv1Sf5/5Hp9FeJX2pa7o1t49043M9ibXw8l5BEmuT6hJbSnzRuE0oDoxAX5RkDAIPNaljLqFp4uKDWtUnS18RxWiRzXbOrRyWQkcMvRsucgHhcfKFGQZ7f11t+Y3on/AF0ues0V474Qk8Z+J49O8RLd29tMupsuoeZrs5VYllZHtjZ+T5SMBgA7t2QCW5rYle50LxU2p+KJ769sr3VVi0+90/WJRFDvcJHBLaB1Q4PykqJCeSwGOBa2X9dPzv8A1pcel/L/AIP+X9a29A1DUYNNgWS4LEuwSOONSzyMf4VA6mmXen2utafHFqdqzRFklNvI3RlIYBgpw2CBxkjjvVC9z/wm+lebnyvss/lenmZT9duf1rB1uc6p8UItD1DUryw0610c6gi2t29t50nm7CzOhBKooB25x8/IPFHbz/S/+Qd/L9bf5nT+HtetfEuiRapYRzRwSvIirMoDAo7IeASOqnv0q/cXENpbS3N3NHBBCheSWRgqooGSxJ4AA71474X1BJPhz4V0W0W7v7vVLm9a2aDVXsI3WOWRmaSeH5sYIICA59MA1ZtTc+I/gD4hGrXVzPNY/wBpRwvBqMzlhEZVRTKCrTKBx84+YAZFTJ2TfZXKiryS7u35/wCR63HIk0SSwuskbqGR1OQwPQg9xTq8s1yw/sD4Ji88P6pqltdXUWngXJ1Oecx7pYgSnmOwUYYghcAjg5FS6je6n4V8ReKbXSL6+vPJ8Nf2nDHe3D3BFyGlXcu8naDtHyLheOAKudoN+V/wVyad5xT72/FpfqenUV5fYTyaTrPgeXR9ev8AVW17f9uS5v2nS4j8hpDMqsSse1wv+rCj5sY6Vb8GaTca9PrGoalrutO9n4iultYo7+RI4o45uIygOHU4wQ+cDhdtPltLlfT9Gl+or6X/AK1v/kei1n6jqwsLq2tks7i7mud+xINg+6ATkuyjvXjQudVntbh38QayDPZ69Mdl+67TbXWIQuD8oXPbkj5SSvy16isrz6t4ZllbdJJbSszepMakmlHXX+uv+Q5aO3r+Fv8AM6KNi8asyMhYAlGxlfY4yPyqtqF9JYQ+aljcXagEv5BjGwDud7L+ma4T4oavq3hu80/VfC9xcXOqNDNG2kfPJFPAqlmmMYOFMZ2ncMFs7MnIrptD+zn4f2z2eqTavDJZGRb+aQu1xuUkuSemSenbpgYxU391y7f1/X/AY7e8k+ppPqqJpUOoJbXEsMqLIREgZkUjOSucnHouT7Vat7iK6t457aRZIpFDI6nIYHoaq6H/AMi9p3/XrF/6AKpeE8/2Vcbf9R9tuPs/XHl+YcY9s5rSSSbREW2kzboqtY6lY6pFJLpl7b3kccjRO9vKsgV1+8pIJwR3HUVZPQ4qNlcoKK87+HcH/CT6DD4j1rVtSk1g3couII9SlihtXSUqIDAjCPgADDKSc5JOawNU1O8fwl4w8Tya/f22t6PqNxBaW8d4yQw+XJthiMAOx/MGOXUk7+COMHWz9fy/zHa/32/P/I7jxNrVnYa5pEeseH9RuIft0UVpfo8JgSeTKqShlDkjJ5KHHUV1dcR8Qnkk0rww80flSNr9gXTOdp38jNV9TtLjWvi9c6XPq2p22nJoEUxtbO8eANIZ5Bv3IQwIA/hIzwDkDFLZP1f4RTFvr5L8W0dL4g8Mw+JfJh1C+vFsEYNNYRFFiusMGAkO0uRkDhWAPQgitrpXlGneIbrWfAHguyuxe6hrGsROyNHqkmnq/lKdzSzRfP0wcKCSecYBrO0jU9W1bQfDVnd6vexh9f1GzlktNQkZpIY4rgqhm4aQDaoDnDcA8Hmm/duu3/DDt1f9bv8AQ9oorwyLxN4h0jwJd6vZ6neXl7N4Ysr12upjIsUjSsjyqCCEwnJwMHZlgxyT1miaV4ps5r65GrWdlpt5pT/Z2k1yfU9tz1S4DTRLtTB5VTt6cUPS/wA/wv8A5af8OHW39dP8z0eqVxqkMGoRWSRyz3MgDGOJQfLTON7EkADr7nBwDXHeCnbSNeTQtdj1JNdksTO0kmszX9tdIrKrSIJG/dnJHBROpAJArotDz/buv+dnzvtSYz/zz8tdmPb7345qrf187E3LXiLXbbwz4fu9Yv0lkt7RQzrCAXIJA4BIHf1rSByAfWvEPF9wNY8DeN9V1XWLuG6tNUk06C0+2NHAkaOgRPJzsZnHzbiC3zcEYFafxH1m5kTxI+ifbIbrw9YJJNdtrs1lFC7IXTZBGCsx6Z8wBT93PWs+ay5n6/hcqzcuVf1rY9WuL21tGhW7uYYDcSCKESyBfMcgkKuepwCcDng1NXmfj/TINX/4Qe/vZr1JJ9VtopTBfzwIA0UpyFRwFbccbwA3OM44q1r2myQeOPCGgWWratbadNBftcIuozNJOAIyA0rMX4LHBzuA4BFXbVp73a+5XJTTtbqr/n/kehUV5Amtaknhm10ybWLyCzbxdPpE1+1wfPS1V5NiGZvmBJVU353c9c81bvL+90gfEPSNM1O+nsdM0QXNvNNePNLZXDxSkoJWJkJwqOMsSueMAip5ly839bJ/k/v+V75fe5f63t+a+49UorzHWNMutI+Eeo+IIdf1uXVG0BmeaTUJCpkMasJFTO1GGMAoF4Jzk81UsJNQtfGGz+2tUmjtfEcVokc12zq0clkJHDL0bLnIB4XHyhRkG3G0uX+t7fqQneHN6/grnpA1jzNXmsILC6lMDIJZlMYRNwyOrhjx6A1o1i6V/wAjPrv+/B/6LribnXdU0c6n4FF7cSa3eXIXRruWQvIbWcsxlLHJJgCygk/3Y/7wqX2Q/Nnf3mrGyvIoZrC6MUsqRLcqY9m5jgcb93X/AGaku9UhsbqGK6jljjmIVbjaDHvJwFJzkE+4AOQM54qhq1uLTTNJtlkllEN5bIHmcu7YYDLMeSfUnrU3iny/+ET1Pzen2Z8f72Plx75xT0tfz/yFq3by/wAxPEMxhtoma8v9PiDZku7NI3EY6fOHVvl567eMckVY0fSrfSLEw20kkxlkaaWeZgzzO3VyQAMnjoAOmBUqf8gdf7Qx/qB5+7p935s/rVDwu7xeDtOkvG2bbZWZpDjCgcEk+2KXKk2/6/rQmybTNmiq9jf2ep2Ud5pt1BeWswzHPbyCRHGcZDDg8irFBYUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABTZIxLE8bFgrqVJVip59COQfcU6igCC0s7ewtxBZxLFGCTtXuT1JPcn1NT0UUAFFFFABRRRQBUtf9af92rdVLX/Wn/dq3QAUUUUAFFFFAENvZ2to0xtLaGAzyGWUxRhfMc4BZsdScDk88VQtvCvh6z1Y6pZ6DplvqDEk3cVnGsxJ4J3gZ5+tatFAHFnwA1x4nXU72fSUgW8W8ZbHSBb3Fy6HMYmn8xt4U88KuSB9Dv6l4V8PazeJd6voWmX9zGAEmurOOV1HszAkVq0ULRJLoHW5UbStPcXgewtWF8u27zCp+0Dbtw/HzDbxznjior3QNH1KO1TUdJsbtLMhrZZ7ZHEBHQoCPl6Dp6VoUUAVYtMsYNPawgs4IrRgwNvHGFQ7iS3yjjkkk/WlsLEafb+Qk880YPyCZ9xQf3QcZI+pJ96s1zvjPxJceHdPsRp9vFPf6nfRafaCdisaySZ+Z8c7QFJwOTjGRnNHl3D9Doqz00nRtNup9Uj0+xtLgqzTXawojFerFnxnHGTk9qwda1rX/CXhe81HV5dN1a43ww2kdrayWimSSQRgPukl4ywORjgHijTdf1qx8a2/hzxM+n3Ml9YyXdtdWEEkIBjZVeNkZ3z98ENuGeRgUrJvTf8A4F/yE0rXZf8AD1x4R1Ca7ufCU2iXMxwLmbTGidsnJG8p689aXw34S0/w7Y2qLb2s19BF5TX4tlSVxnoTycdsZ7VleHzj4seMiBn/AEfT+B3+SSuhTVLxpFVtB1BATgs0lvge/EuaFGN7pE8sb3aLsdtBDPLNFBGks5BlkVAGkIGBuPfA45pt1Dayxq97HC6QOJVaZQRGw6MCehHrXJabr3iPxRqWrNoU2l6fp2mX8lgBeWslxLcyR43tlZUEYycDh+mfatbVAL/xPpum3Sq9qIZLqSNh8sjKVVQR3A3E49QKaV0v68ynZXX9dvzIvEttb6haWl419okVsrAxTanZrcpubGxo2MigH065rQ0jQLPSLCzgVFnltA+y5lQGTc5y5BxxuJ5AqTWNHttb08Wd4XEQljl/dkA5Rw46g8ZUVS13Vr221PTNK0oQLd6g0hE1yheOJI1BY7QVLHkADI65zxWekW3bqZtJS53/AF/Whrw2tvbrItvBFEsrtI4RAodj1Y46k9zVew0XStKklfS9Ms7J5v8AWNbW6xl/rtAz1Nctc+LdZs/C+t3ksFjLfabfpaIqBxHICYhk5OQTvP0464ydHU9a1bw1oWo6trgsrqKGNDBFZxujB2bbsYktuGSvzAA9fl6ClzxS5vL9A54t7bfhv/kdLWXpfh6w0jVNU1C0Qi51WZZrlyANxVdqjAA4A7nJOTkmsHT/ABdqMdxfHVrWWaztrF7w3Uel3NmFZesWJvvHHIII6Hio9B8X6tqepacJbJ5LO/iaRimmXMIs/l3LumkGyUHpkBeemaPaRv8A1/XQXtoaL+v61/qzO2qlcf2W+rWiXf2RtQjDyWqy7TKoxh2TPI4OCRXJaR4t1250/wAP6lqMWnra6tc/ZWghR96kh9rhi2MfJ93B/wB6urn0e2uNdtNWcv8AaLSGSGMAjaQ5XOeM/wAI7+tWpc23f9L/AKopT5l7vl939XGat4c0TXvL/t3RtP1Lyv8AV/bLVJtn03A4rF8XaDBcWVhsm8O2FtZMEg/tfSluUhfgJ5X7yMIwxgde3FdZVDWNHttcsBZ3hcRiaOb5CAco4cdQe4pu/Qtt2dtzNsPDmiad4ctPC+oi21GJldvJv0RzdNu3yOUIwfmYk4HGalfS/CvhvTYvMsdH0mxguBNFmGKCKObGA68AB8ZGRzWb4lF2fHvhoaeYVmMN4A84LKg2pztGC30yPqK0/DGs3GrQ38N+sIu9PvHtJXgUqkhUAhgCSRkMOMnB71Km5Npb/wCTI59eX5fhf/MuWcWj39vPeafHY3MOoD9/PAqOtyANnzMPv4A2854GKbpvh3RdGZTpGj2FgUQxqbW1SLapOSo2gcEgEj1rkNE1efQ/hNHf2iRvLHduoEoJXDXZU9COzGt+/wDEr6d4jv7W4jU2VnpP29iqnzCQ7AjrjGF9OvepVWNk3p/w1/yFGpeKv5fi7HQ1iPonha68TG6k0zR5tchCymZreJrqMdFbdjcPQGsXQPF2rapqmnCayeSz1CNnYpplzCLP5dy7ppBslB6ZAXnpmumj0e2i1+fWFL/aZ7dLdhkbdqsxHGM5yx7+lWndpr+v6dgjUVSN4Dbm0stXdZIbkrcWrlVntZBvib+JT1HblWBHHSk1bw7ouvrEuvaPYamIc+X9ttUm2Z643A4/CqmsKtjrulX9uu2W4uPsk+0f6xGRiM+u0qCD259a3avoadTN1Dw5omrWUNnqmj6fe2tvjyYLm1SRI8DA2qwIHHHFM1fVvD+g6fHDr1/pum2cymFEvZo4Y3GOUAYgEY7elatZfif/AJFHWP8Arxn/APRZrOpLli2XBXkkTQWelXdhYNbW1nPaW4SWxMcaNHHhcI0eOB8pwCvY8VI2l6e/2vfY2zfbgBdZhU/aMLtG/j5vl45zxxXCXUuqW/7PEFxol9HY3EHh5ZWleJnbattkhCroUfOMPzjHQ1ZTVfFehfD6HXL260/V1ggt7iaKGxlil+z4BmO4zPvkCncDgZKng541mkpSi+j/AD/4Yzi24xkuv6W/zOkTwh4bjhSGPw9pSRJE8KItlGFWN/voBt4Vu46HvV0aVpwmMwsLXzWmE5fyV3GQLtD5x94L8ueuOKxX8TT3niq2sNDjivbOOw+3XsqcsVfiBIyWChmwzZPZe2Qa1YNRupp1jk0W+gVjgySPAVX67ZCfyFKz/r1/zHoRS+FfD0+sLq0+g6ZJqSsHW8ezjMwYdCHI3ZHrmiHwt4ft9XOqwaFpsWokljeJZxiYk9TvA3c/Wub0vToNN+Mt7HbPcMsmhxyt9ouZJjuNw4OC7EgcDgcDHSu5rWrTVNqzvdX+8d3dr+tr/qYOsat4Zm1CLRdT1uwttTLq0Fub1I7lXP3Si53ZOeOOc45q9eaDpmqR2q6zY2uqPaEPDJe28cjI/wDfGVwrcdQBXOfEn/jz8O/9jFY/+jKh8Q+P7rw3q2r2s+nx3f2dLaWzijk8t5Y3WUykk5yVEEjYAGQMe9Yxenzt+C/z/AHv8r/i/wDI6a48N6Hd6bHp91ounz2UbmRLaS1Ro0ckksFIwDkk59zTtMttFSS+OjQ2Cu02y8NoiAmRVAxJt/iAxweQMVycnjTWL7VrbStGWwjn1DUbuG1up4nkjjtrYKJHZVdS7mQlQAyjHPbmP4fXN9ap4pa4smvLo+IZ1lWyKhc+XH8w8xlwPbJIz360RV38r/l/n+APTXzt+f8AkdTbeEPDVlHcR2fh7SrdLlladYrKNRKVbcpYBfmIbkZ6HmtIWdqL5r0W0Iu2jERuPLHmFASQu7rjJJx0yaqBn1e2ntb3T7+xjdcF/tCxsf8AdeGQsp98iue+GkKW2l63BEXMcWu3sab3LnaJMDLEkngdSa3jTTpynfa34ib/ABf/AAf0Oh0/w9ouk3k93pWj2Flc3JzPNbWqRvLzn5mUAnn1q3bWdrZLItnbQ24lkaWQRRhd7scsxx1JPJPU1NXnel6Za+FvGiHW/DmmG41bU7p7HW4AskweQySCOTKKyHZlQVZhxjjNOjSVRS11S27/AIr9fQJOyv8A16najQtJC7RpdkBtlTAt0+7Kd0o6dHPLDueuabfaMl3NaSwXM9lJZhliNsI8AMACMMrDGB6Vo1x8mva7rPjLVdD8OSadYxaMkP2m6vrZ7kyySrvCoiyR4AXGWLHJOMcZrn66DOojsbaO6F2YY3vPJELXTRqJXQHIUsAOMknHTJPFVH0K3jsBZaW50m2y5aKxhiRWLHLEgoRkkk5GDkmuW8S+N9Q0rxBaeHLXamoNYfbbm6TSLq/jUbtgVYYDuGWDfMzAAAfeJ4juPHWuWPgTS/FmpaQtnaxyEa3ZzwyRzwx7innRB9pwCA2xlJKtwcjkurX6f1+v9WDW9uv/AAP8jsn0pH0qHT0uLiKGJFjJicKzqBjBbGRn1XB96tW9vFa28cFtGscUahURRgKB0FZHhLVb/XfD0WrajDDbrfEz2kMedyW7cx7zkguVwTjAGcdsnWupnt7cyRW0tywxiKIqGP8A30wH603e9mJW6FDQPD1h4bsprbTUKrcXMl1KSAC8jtljhQAPTAA6VqVStL+4uJtk2k3lquM+ZM8JX6fJIx/SrtLbQZly+F9An1hdXn0PTZdSQhlvXtIzMpHQhyN3H1p8/h7RbrWI9WudHsJtRiAEd5Jao0yY6YcjcOvrWjXFax4Q8Oax4pgt49C0xZ45F1DULtbOMSn5iUXzNucu6kk5ztRgfvVtRhGbtJ2S8r/qhNuzZ19zZ2t6sYvLaG4EUiyxiWMNsdeVYZ6Edj1FAsrUXzXotoftbRiFp/LHmFASQu7rtyScdMmuEm0218T+J/F41tBL/Zaw29juODZ5gEhljPVHLP8AfGDhQM8V0vgnUrnWPAeh6jfnNzdWEMsrYxuYoCT+PWtKmH9nT5r9r/8AbyuvXTcV9bf1p/w5Zn8N6HdaXDpt1ounzWEBDQ2slqjRRkdCqEYHXsKjfS/Dmm3cM8ljpdpcXFwPKkaGNHlmKFRtOMl9m4cc7cjpWvXC/E9rpZPCB0+OKS5/4SKARrM5VM+VNySATgdffFcvVLu0vvaRXRvsn+CZ19vpOnWiqtrYWsCrCLdRHCq4iGcRjA+6MnjpzVKy8IeGtOe4bT/D2lWjXKGOcwWUaGVT1VsL8wPoa5Wbx7q2j6b4li1S3sr7UtGvLa1ga2V7eK4NwI/LyrM5XBk55OQOK1NP1/W7Dxnb+HPEz6fcyXtjJeW11YQSQgGNlDxsjO+fvghtwzyMClfr/W1/y1Hqlf8Arsbuk+HdE0Hzf7D0ew03ziDJ9jtUh346Z2gZqO4j02fxFEiX6watHCJTDDMolkg3Y+ZDnKZyM44OcEGuc8Ca74u8U6Jo+u6h/YtvY3asZ7WGKUy7fmCurl8DLBfkKnAz82eKfptzqMXxYn0/V00e6lOkfaIr2105oJ1Tz9oiZ2lfcvfjAzziq1Ukn5/gmJ7N+n52OhuvDGg399Je32iadc3csflSTzWkbyOn90sRkjgcVJdaBo99qEd/e6TY3F5GhjS4ltkeRFPVQxGQOTxXJeJte8V6d4mstH0PUdFu73UZC8FhJpcu6C2UjfLLKLjAVQcA7PmbAA6472luk/6/r/gg9HYoNoOkPoo0d9KsW0wKFFkbZDCFByB5eNuM+1JZeH9G01bZdO0mxtFtA4txBbInkh+X2YHy7sDOOven3d9cW02yHSru7XGfMheEL9PnkU/pU9rPJcQCSW1ltWJP7uYoWH/fLMP1p+YeRC2j6Y1lc2badaG1unZ7iAwLsmZjli64wxJ5JPWmWmg6RYaTJpdjpVjbafIGV7SG2RInDcMCgGDnvxzUmoWEV9CPOe4TywSPIuZIfz2MM/jXGyI9t8Mo9UW91H7XNBAZJTezOfmkTdgbjgkccDPOK6KNCNVJX1bS277dROTR2s1hZ3GntYXFrBLZvH5TW7xhoymMbSp4xjjFMGlacJjMLC181phOX8ldxkC7Q+cfeC/LnrjiuUgupWsfE0+l3d5/Z9vaMkX2mWQyx3CoxYjed64yvXHPStQ3U/m+Fh58mJ8+b85/efuGPzevPPPerlhZJ7/1bm+/9SebT7zRGj+Xq81/BfXURnZDLCojKPtGB1QsOPQisrStCafxZceINU1a21O7gjaztY7WDyo7OMtl1ILuTISFDNkfdACjmqfguW2vdOsJribWJb5lZnklkuzCxBPcnyzxWrrCrY67pV/brtluLj7JPtH+sRkYjPrtKgg9ufWs61L2VXke602+X3DvdMuXmkm9vIppr+6EUUqSrbKI9m5Tkc7N3X/aqS70uG+uoZbqSWSOEhlt9wEe8HIYjGSR7kgYBxnmrtFYXHYp6hpsWpokV1JL9nB/eQI21ZfZuMke2QDnnNWJoFmtXgPyo6FDhQcAjHQgj8xipKKT1Vh7O5n6Doll4b0G00jS4zHaWkeyNSeeuST7kknjjmtCiijcFpoFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAVLX/Wn/dq3VS1/wBaf92rdABRRRQAUUVW1G6mstPluLaxnv5EA221u0Yd+ccGRlXjryw6fhSbsrgWaK4zwD4z1bxV4Ws9R1Lw5d20k1sZvPjaAQTMDgLGPOZwT/tgDg5I4qXwnqaal4q8Rl4tds7yNrYT2GpzwvFb5jO3yRE7qu4DLc8mqas7AddRXDaD461rVPF2s6VceE9QjgsbiCJXV7XdArxqxab/AEg565Hlg/L2zxSa3anTPih4Wls73UlGpT3QuoH1Gd4XCwFlAiZyi4PPCil2YPQ7qiub1rxra6ReXdtDp2oapJYQi4vvsKRkWkZBIL73XJIUnau5sDOORmxf60LrTdLbRp/+QwyC3uAudsZXeXAPfaOM9yM0LXYHpublZfiDw/Y+JdMFlqIlUJKs0M0EhjkglU5WRGHRgfw7HI4rH13xjp3globC7t9Uvm+xzXrSRgSlYomXzGdmYYxvzjpgYHO1Tas/GEWoWuovY6Pqk09hMkTWnlxrLKHVXR13OFClWB+YqRyCARijzX9a/wCYeo6Twil/od5pXiDV9R1q3uwuTdGGNotpypQwxx4IYA55OQKXR/CUOmawdWu9T1DV9Q+z/ZY7m/ePMUWQxRVjRF5IBLEFjgZPFGmeLF1ay1J7bSNQW/0ybyLjTJDCJw5VWADeZ5ZyrAg78fjxWT4c8RWdr4W8S63L/bjR2F7dzXdtqcscssDIoZ4otjFQgHCjd+NF7Xflf+vv/q4WukvO39fcdDaaBaWfiDU9YjeVp9TSFJkcgoBGGC7RjPO45yTTk8N6HHIrx6Np6upyrLaoCD69KytH8d2WsapY2Q0/UbL+0rVrqxmu4lRLlFCltoDFlIDjhlXPUZFdPT1iLRnNN4Ljg1a7vtF1rVNH+3S+fd29m0LRTSYwX2yxvsJAAJQrnr15rU1TTZbqS3u7KVIr21JMTyLlWBGGRgOcHjp0IB9qSTxHokUjRy6zp6OhKsrXSAqR1BGa0VYOoZSGUjIIPBFLVIelxsRkMKGdVSQqN6oxZQe4BIGR74FYfijTTdfYby2ttQkvbSUmGbTngWWIMpDf647CpHBBz2Paman4xh0/xI+g22k6nqWoLZLe+XZxx7TGXZPvu6qDlTwSM9sninweLItQ8OWWsaHpeoatHefcgtljSRMZDB/NdFUgggjPX1qZLmX9dxSjdcrM/SPCLXHhvULPWfPtzqV/9sZBMHljwyFQzcgsdgJxkckCul1PTbXWNMn0/UI/NtrhCjrnHHsR0PfNc/8A8LB0w+HLbVUtb1pLm9Onx2AVBObkMymLlwgIKNzv24Gc1qJrF6+iS3x8PalHcRtgae723nP05BEvl45zy46HvxS5YqNun/A/ysTGCjp3/wA3+twstCe3R4rzV7/Urd4jD5F55RXaeOSsasxxxliepqLSvDZ0jyYrbWdSeytxtis5WiZFXGAu7Z5hA7ZY9BWN4D8b3/iTwna6truiz6bG9q1xLfs8ItTg87QJmkHGT8yjoeelXdM8dWWparYWbadqVkmqRvJp11dRIsd4qruO0K5ZDtO4CRUJFU4K9v6+f47hyRVvL+v8i1B4SsLfStJ09JbgxaTcLcQMWXczDdw3HI+Y9Mdq3axIZJdX166Xz5YrPTpFjEcTbfOl2hiWI5KjKjb0POc9KqX+g6zcXV9JbarJEk99azwqLh18uJNvmp043YbgcHIzS+G1lv8A8D9BP3V7q2/S/wDwxZ8Q6LqGraloc1hqc9hDYXouLpYZ2QXEYU/u2UD5wTjqQB71u1xep+I9bhvfEbWlzpVtaaIsbBbq2djLmIOQXEgC88D5T2rWHilfsunhNOu7jULy1W6Nhb7PMiTAyWLsqgAnHJBJ6DrUxqRs/wCt/wDhg9pG+v8AVn/m/mWNW8PxatqFnffbLuzurJZFgltmUY34BJDKwPC9CCOenTE+j6Pb6JZNb2zyymSVppppm3PLIxyzMQAMn2AA7Cs2bxrpkWiadqix3U0GoXAtokihzIJDuG0r14KkcZ59uall8UwWely3mp6ff2LLOLeO2mjVpZ5GA2iMIzBs5x17HOMGhOCba/rb/geugr0783z/AOD+ADwlp48KP4fMlwbV2ZhIXHmKxkMmQcYyGPHHbvTbLwlZ2up3OoXN1d6hc3dr9luGu2UiRMk/dVQB1xgAD2ySTOPECwaddX2r6fd6TBbKHY3RjbcP9ny3fJzxjryOKq/8JjbRfbFv9Pv7Ga0s2vvJnRN0sK9WXa5Gc8YJB56VL9mt+34Wf6XD93p/Xp+OxPpPhw6P5EVtrGpSWVuNsVnM0TRquMBd2zzCB2yx6CtqsHTPFtrqd9aWwsr22F9bm4tJbiNVWdQATgBiwIDD7wGe2apaT4r1O/8AEmp6fN4evFhtZoo1ZXgzEGQEmT98c9cjYDx78VfMk+UUZ04pcu3/AALmx/Z1xd6zHeag0QitS32WCPLckY8xiQOccAAcZPJqr4h0XUNW1LQ5rDU57CGwvRcXSwzsguIwp/dsoHzgnHUgD3p+peJV0q6C3ml362hmSE3wEXlBnIA4378ZIGQuKbqPim3sL+e0isb2+e0iEt21pGrC3U5xuywJJAJ2qGOO3Sh1IpJt7fpqXzRu1/WuhuVBf2ceoadc2UxZY7mJonKHBAYEHHvzWSfFltJb2LWNleX1xfWwu47SAIJFiIHzMWcKOoH3uT0zitDSNVttb0qHULEsYZgcB12spBIII7EEEfhTdpXixxqRbXKyGDw/YxeE4/DsgeewWyFkwkb5ni2bOSMckemKzbbS73wrosiW8+seJ0WNIYLCU2imNQMYDbYsjGMl2Y4Hc9dbWNZttEtI5rlZZWmlWGGGFNzzSN0VR0zweSQBjk1Tt/EoukvYotLvhqFlsMunv5Sy4f7rBt/lkHB5D9iOvFKU1dt/P+vn+Ic0Y2j939fL52Mv4feCo/C3g82F/BC9zeO0t3HuMsa54WEFuqIgVBnstb8GgaPazrNa6TYwyocrJHbIrKfYgcVy/wAP57rVbG11XULXWftNwjyPdT3wa2clj8qwiUhcdB+7HTr69xVKTauTTlzxucsngqZPEh1v/hKdaa7aJYGylptaIOXEePI6ZJ5Hzc9auXui6hdeN9L1aHU54LCzt5kms0nby7h3wFLR4wdvJ3EnsMd6z9D13V9cuNy3ulWkkcp8/SZbdzcwoGI+ZvMHJAyDsx6Z61p6l4lXSroLeaXfraGZITfAReUGcgDjfvxkgZC4q5V3V5ZS+Wi9OgueNnLp/l/wxPrmg2uvx2SXkkyCzvYr2PyiBl4zlQcg8evf3qpqPg/TNV8TRa5eec1xFZSWXlhh5bI+ckjGdwBYA56M3rVDxlAbW60nULW6vYZ5NUtYHWO9lWNkLYIMYbZz34rZ1PXYtPvI7KC0udQvZIzKLa1CbhGDguS7KoGTjk5J6Z5rHmVnfu1+C/QrntJp9l+bt+JixfDjTbXR9Gs7HUNStbnRTIbTUUkja4HmZ8zcXRkbdnnK9geDV3R/BOkaRaXlu6Sakl5eveyHUSs5ErKASCR0+X9T24o/4TOwls9NmsLa7vZdS3/Z7aJUWT5Pv53sqjaeDz9M1t2k73NqksttLau3WGYrvTnvtJH5E1opXbaCMoysl/X9XKf9hWcFrNHpEcekSzKFNzYwRLIvOf4kKn8Qaz/DnhE+G7i4eHXtUvIrmaS4lgult9jSyHLPlIlYHPYHHtVjxbq11ofhm4v7AQm4R4kTzlLIN8irkgEE8N6ipYH1PTori71/UrCW0hiLsbexeEoByWJMr5GAeMVSxEoxlDp12/4cG1flsSaTo/8AZUt+/wDaN/e/bblrjbeT+YIN3/LOMYG1B2WqY8KxS+IINW1HU7/UHtJHks7e4aMQ2zOCCVCIpYhSVBctgE4pLDxbbXt5Z28thf2Qv1ZrKW6jULcADccbWJU7ecOFJFMtfGEN9dzQ2Ok6ncLb3psp5khTZE4bbk5YErznKg4HJAprES5rp6vT9PlvYXtIW3/rckvdF1C68b6Xq0OpzwWFnbzJNZpO3l3DvgKWjxg7eTuJPYY71FqHg+K512XWdM1XUdFv7iJYrmWxMRFwq/d3pLG65GSAwAODjOK6Kub17RNYv59Tk03U3thcaaLe3UXDoIp9zHzOBxwQMjnism2rWXf9X/wC5OybH6n4Qh1C+stRh1TULDVbOA266hatF5ksZwSrq6NGwJGeV4PTFPn8KQX0emR6xqF7qaafMbjbcmPbcS5yryKiKDs/hAAUHBIJAI3IlKQorMWKqASTnNZOu+JrPw7c6cupxzpb39wLYXiqDDBIfuCQ5yu48A4Iz1IyM1s7f1/V/wAfMFtf+v6sL4c8N2nhbT5bDTJZzZNO8sNvKwK2wY5MceACEySQCTjPHGBWldWlve25gvbeK4hbBMcqB1OPY1R0HXrXxHp732nxzC0854oZpFAW4CnHmJgnKEg4JxnGehBOnQMpWmi6XYTedY6bZ20uMb4YFRsemQKu0jDKkdMiub0XQtZsbrSXv9UkuY7WxkhuVNw7edKzqVfBHzYAYZPI4pNu9iW7bL+rr+vkalro/wBl16/1T+0b+b7asa/ZJp91vBsGMxpj5Sep55NS2WmQ2N5fXMbyPLfTCWQyNnbhFQKvooC5x6knvVysdfE1kdJ1G/dJ4006WSGeJ1HmbkPQDPO7IK887hVyqvW76fgrf8AbstyDVvCFpqt9PdLeXti95CLe9FnIqC7iGcK2VJGNzDchVsHGelN8UeHbvVfDMOk6BfzaOY5oNk1rM0RjiRhlRtGSNoxtyAfWpX8TqdUm0+y0q/vprZUNz5HkgQFxkA75FJOOflzW5TdWU4pN6L9CU4ybsFZms6Da65Npkl3JMh029W9h8pgNzqrKA2QcjDnpg9OaXV7C8vZtNeyumt1trxZpwsjL5sYVgU468kHB44pvh+wvdN0toNTu2u5zcTOJGkZ8I0jFFyeeFIGO2OKyTd9tv0t/XyHd3tYo3fgfSL9te+2/aJk114nuU8zb5bRIqoYyoBUjYrZyeR+FO0jwjDpurtqt5qeoavqH2f7LHc37x5ihyGKKsaIvJAJYgscDJ4q7r2vWvhywjvdQjmNs1xHBJLGoIh3sFDvkjCAkZIzjOcYzS3Ou29t4isdF8qaW6vIpJgY1BWKNMAs5JGASyqMZJJ+pqv8Ahvw/y/Ap7Wf9f0xPDmg23hjw7Z6NYPNJb2cflxtMQXIyTyQAO/pR/YNr/wAJX/wkHmTfa/sX2LZkeXs3784xndn3xjtWnRR1uHSxx8fw+Nt4k1PW7DxTrdpd6m4acqlpIAq/djUyW7MqKOi59+vNdgOB1z71zll4wTU9YuLPS9G1K8trW7azn1CMwCGOVThwQ0okIUnBIQ+2aTWvGtrpF5d20OnahqklhCLi++wpGRaRkEgvvdckhSdq7mwM45GVdKK7Ds233Ne70bS7+bzr7TbS5lxt3zQK7Y9MkVPa2dtYwCGyt4reIEkRwoEUH6Cubl8fWTapFp+k6bqWr3E+nR6nCLOJArwuxAO6R0CnjOGIz2ycitrQtas/EWh22q6azm3uV3KJF2spBIKsOxBBBHqKrUnQvsNykHuMVlv4etH8Nx6IZJvs0axqHDDfhGDDnGOqjtV281Cz0+NZNQu4LVGO1WnkCAn0yTTLPVdO1FmXT7+1umQZYQTK5Ue+DVRnOPwvz+aB26kT6Lavqc17l1NzD5NxEpHlzjoCwx1AyAQRxxUVjoEVlcQStd3V0LVDHbJcMpEAPBxhQScDGWJOPqa1GGVI6ZFc3ouhazY3Wkvf6pJcx2tjJDcqbh286VnUq+CPmwAwyeRxR7ep8N9P+A/+G/AmWnT+rr/h/kXNL8PPpMMFva6xfm2gPywOsBUjOcE+Xux+Oam/s64u9ZjvNQaIRWpb7LBHluSMeYxIHOOAAOMnk1mQaDrMd7aSPqsjxRapcXMqG4c74HVgkeCOdpK/KeBg47VcuZJdI1u0YTyyWeoTGF4pX3eVIQWVlJ5AOCCvQcYxR7WdV80t3+v69PUF10NqisXWZJdImj1WKeUwGaOO6gd9yFWIQMoP3SCQeODzkZ5raqely+tgooopAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAFS1/1p/wB2rdVLX/Wn/dq3QAUUVmeIZJ7fRLm8tbuS2e1ieYbERg+FJ2sGB4+mD70BuadBGQRUds7y2sUkoCuyBmC9ASOakoa6MSd1c5PwNo2u+GNItdAvoNPl06xjaOG9hu3M0o3ZXdCYgF4POJDyPfi5o+g3Wn+MvEWrTSQtb6obbyVQksvlxlW3DGByeME10FFAzk4NF1zR/G2r6npkGn3ljrMkEk/2i7eCW3McYjO1RE4fIAIyV5496ua3oN1qXi3w3qkEkKwaVLcPOrkhmEkRQbQBg8nnJHFdBRR0sB53rXw787xvqOvxeH/DviFNTjiEsGtjY1u8a7d0b+VL8pXGVwORnPaulutJnj0nSXs7O3hudLKOtnakLEFCbWjTIGBtJC8DoOlb9FC0VkD13OF8V+Fr/wAXyS3mntHbJPoN7pojvA8brLM0e0kbT8o8tsn6YyDmoNa8C6vfRX/2ae0dLi+tLhrSSaSOO7iihVHhlZVJVWIzwGBwMggkV6DRR0t/W9/zC/8AXyS/Q4zwN4Su/Cuqa25stJsrDU5Y7mK300lVt3CKhjCbFBHy53jGST8opI/B2oJ4P8Y6UZrbz9duL2W2bc21BMm1d525BB64B/Gu0opNXVvK3y0/yGm00/O/z/pnJr4WvR4g8JXxlt/K0Wwntrgbm3OzpGoKccjKHOcdq6yiiqbbd3/XUlKysjNk0u7eRmXXdQjDEkIsdvhfYZiJ/OtFQVUAksQOp6mlopDPO9SfWY/jZdNoFvY3M3/COwhor2d4V/4+JcMHVHPHpt5z1GOYn+G17a+HfDmmxGx1iDTZJ5b/AE++keG2vZJSWLnCv91mYqrKwwexwa9JopW91L+t2/1G3d3/AK2sedaT4H1PSPB93oEui+G9Vs5NQluEtZ5HigMcjF9oXynEZRiAMBsgZ+XoOi8G6JqeiaXdQ6vdB/OuGkt7ZLiS4WzjKgCJZZAHcZBOSBjdgAACujop9LeVhHD+HvCer2XguXwZq8Vi2k/Y5rNL+3vHM8ivkAmExBVOGOcSHke/Fbwb4Fl8N3GnpP4V8JI9lH5Z1myXZdS4Qru8vyRtZv4v3p6nrnFeg0ULR3/r+tQeqsYkMcuka9dN5EstnqMiyCSJd3ky7QpDAchThTu6DnOOtbdFFAHN2nhK1/4S3VdZ1Kysbp7mSF7SR4g8kOyMKeSPl5GeDVfxH4R/tPxJb61HYaXqhS2NtLZ6ovyEbtyurbH2sDkfdOQe1dZRWfs42S7Gbpxaa7/53OZm8OXE1jocVvaadpo0/UVupLa1J8pUAfhMIuT8wPQd6ueJ9Em1qxtfsU0cN5Y3cd5bmVSUZ0z8rAc4IJGR061tUVXKrW87/PT/ACQ/Zxs0+qt/X3nN6vo+peKfC+oaVrMNnYmdVETW1w1wNwO4Fg0acZA49M81Qh8KT/2TqNrH4e8O6VPdWEtsLnTyQzsy4GR5SlVzyRlu3WuzoqJUoyvfroL2aupPdHOp4ful1bw5dGSHZpdpLDMNxyzMiKNvHIyp64oi0zVtN8VajfWMVlc2mpPC0vnXDxSQlF2HAEbB+Bnkrz+ddFRVuN3cFTilZf1pb8jz/VvAmo39zfymHS7qeS9W7tr+6dzNGqsrCADYdi/KRuU9D900mvXTaBq2tSDUtKik1e1Rntp7g+fHIqFB5UYXMwOAAMqcj3xXoNFZOiuXlX9aW/r/ADF7JKXNHf8Ar/Nnn48ETTQ6FqEmm6ZqE9tpUdlcWOqL8gwAQytsfawOQflOQe1dlo1n9g0qK3+w2dhtz/o1j/qkySePlX6n5Rzmr1FbcqTbXX/hxU6UYbf1ZWMbxJo9zqkVjNp8sSXmn3S3UImB2SEAqVYjkAhjyAcehqHR9Gvk17UNb1f7NHdXcMdukFtI0iRRpuPLsqliSxP3RjpzW/RU8iv/AF2t+Whbgm7mP4U0mfQvCtjpl28bzW8ZV2iJKk5J4yAe/pWx9KKKsqKUUkjlb3Rda1u+019TttLtPsFylwLy2meSZgpyUVWjXYG6H5m47GsnVvAmo39zfymHS7qeS9W7tr+6dzNGqsrCADYdi/KRuU9D9016BRWXs0/69P8AJf1czlRjJPm/rf8AzZieINIutZtNNWIwxSW1/BdShnJGEbLBTjk+mQPwrO8R+Ef7T8SW+tR2Gl6oUtjbS2eqL8hG7crq2x9rA5H3TkHtXWUVThF/ff8AC35DlTjLfy/B3/M5a70CeXRbSzTw5oLRxFm+yid4Ut23ZDROsRIPXJCqc1reHrC903RIbXU7s3dwpYtIWZtoLEhdzfMwUEDceTjJrTopqKTuNQSdzF8W6LL4h8M3GmwGHdM8RPnZ2ELIrEHAPUA9qJvCejjRdR07TdPtNNXUIGhle0t0jJyCATtAzjJraopOnF3utx8q5ubqcnb6BrN5faKdbawS30ZjIjWsjs1y+worEFQIwAScZbJ71qeHNIn0eHUEuXjY3OoT3SeWScK7ZAOQOfWtiimo2fN1/wA7f5ImNOMdv66BRRRVGhheML7XdP0IS+FbWC71FriKNYriN2UozgMflIxgZOSQBjmovGPh258WafDoryxRaRcv/wATM7j5skYwREgxgbj1bIIA45OR0VFKyasx3ad0c34X0zWfDnhJ9Lv57a7bT1aKwuEVi0kKj915iBRhgMKQuc4z1OKueE7vWb/wpYXXie1htNVmi3XEECsqISTgAMSRxjgnOa2KKq7buybJbBRRRSGFczeeGLifxZ9silhXS7lop72Bs7pJos7CABjB+QnJ/wCWa8c101FJxTafYmUVJWZyXiHw9qWq38kthaada3BAWHVkuZI7mFeOqqnzgHPylwp4yK6xQQgDNuIHJx1paKUY8oKKUnIKiunkjs5ngCmVY2KBlLDdjjIHJ+g5qWim9VYtbnIx6it18L1n+J/2DSze2zR6hG7+VCu/ICjeSQSCOCc596pfCzStSXRDrniGaW41C9jSCB54jHItnFkQhlPIZsmRvd/au7oqurfcm2iRhaFfa7d67rsWr2sEOnW1wkemyxxurTJsy5bcecE4yAB1xmt2iil0GcFeeEtau/FUWo2dlpOiyC8SW41SwvJRPdwq2fLkgEao5Zfly7ttySBnFQa18O/O8b6jr8Xh/wAO+IU1OOISwa2NjW7xrt3Rv5UvylcZXA5Gc9q9Eoo6WG3dtnmIi1nT/iv5OgafpAmh8L28bWbzPBBFieQARssbHauMBdgyO6457LwZ4c/4RTwlZ6Q04uJYt7zSqpUPI7l3IBJwNzHA9K3KKfS39bt/qJ6u/p+SRXvLaW5jVYb2ezIOS8CoSfb51YUyzs57VmM+pXV4GHAnWIBfpsRf1q3RSAKKKKACsW5jl1fW7RRBLHZ6fMZnllTb5sgBVVUHkgZJLdDxjNbVFNaO4PVGLrMcurzR6VFBKIBNHJdTum1AqkOFUn7xJAHHA5yc8VtUUUdLB1uFFFFIAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAqWv+tP+7Vuqlr/AK0/7tQ3upTWOo2sUtsjWt1KIUlWU7w5BPKbcY46hvwo3A0ayfE19BZeHr3zriCKSWCRIVmwfMfacKFP3j7YNa1FA1oynpNqlnpVvDH5oAjBxLIzsDjpliT+HarlFFNu7uSlZWCiiikMKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAKlr/rT/ALtZ3iVZGk0n7Owjn+3KI5WXcqHY+dy8FgRkYBHJBzWja/60/wC7RLpdrPqEV7MsjzQnMYaZyiHBGQmducE84zTW4PZlpchRuILY5IGATS0UUgCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAP/2Q==)*

*Function 6-2 Percentage of Sales for Action (plot\_var2(“Action”))*

*Figure 8 Function Code*

A close up of a map

Description automatically generated

*Figure 9 Percentage of Sales for Shooter vs Sports (plot\_var2(“Shooter”, “Sports”))*

*A screenshot of a cell phone

Description automatically generated*

*Figure 10 Percentage of Sales for Action (plot\_var2(“Action”)*