Gaussian Process Regression for Predicting CO2 Emission by Vehicles  
Jobis James, SID: 109102871, [jamesj29@uni.coventry.ac.uk](mailto:jamesj29@uni.coventry.ac.uk)

***Abstract—*According to the California Air Resource Board, an average of 206g CO2/km [1] being emitted to the environment from a Canadian vehicle. In total for a lifespan of a vehicle, this value becomes 66 tonnes. When it comes to Gasoline use for a 206g CO2/km vehicle in 200,000 miles of lifespan, it is calculated as 28,000 litres of gasoline for a vehicle. In this course work we are trying to predict the CO2 emission from vehicle using Gaussian process regression, Bayesian Linear Regression and K Nearest Neighbours Regression. Depending upon the type, fuel, and transmission etc. the CO2 emission will vary. For our course work we took the dataset from the official Canadian Government’s site [2]. In our course work we have compared Gaussian process regression with other two models. From the analysis we have observed that Gaussian Process Regression is best among all three models. For Gaussian Process Regression we got around 99.7% R2 (Co-efficient of determination) regression score.**

**Keywords: Gaussian Process Regression, Bayesian Linear Regression,** **K Nearest Neighbours Regression**

INTRODUCTION

For the developed or developing countries, road transport contributes a major share for development and economic status of the country. Unregulated growth in road transport can bring a negative impact on the environment, especially in air pollution. Increased demand for the use of vehicles can increase the amount of CO2 pollutants in the atmosphere. Recent studies show that CO2 emissions by vehicle become one of the major sources of air pollution. Most of the countries are trying to reduce the amount of their CO2 emission by focusing on the reduction of pollutant emission from vehicles. On the other hand, vehicle manufactures are trying to improve efficiency and reduce the emission of pollutants. In this course work, we are trying to predict the CO2 emission from the vehicle by considering all major characters of a vehicle.

In Canada expecting an average of 206g CO2/km from a vehicle. This growth can bring catastrophic impacts on the Canadian environment and climate changes. The emission of Greenhouse gas (GHG) depends upon various characteristics of a vehicle such as fuel type, transmission, engine type, engine capacity, and the number of gears, etc. In this course work, we are using the Gaussian process Regression, Bayesian Linear Regression and K Nearest Neighbours Regression for creating the model. In the result, we are predicting the amount of CO2 in g/Km which is the common standard for measuring CO2. This data is very much useful for the Government as well as the vehicle manufacturers.

The Canadian government based on our data they can create new amendments for vehicles to meets the Paris agreement. As per Paris Agreement Canada has pledged to reduce the amount of greenhouse gas by 30% of 2005 in 2030. Thereby the country can reduce the emission of CO2 to a great extent. From our course work, vehicle manufacturers can get a clear idea about which all features affect the emission of CO2. Thereby the manufactures can improve their components of that particular model and reduce the overall cost for research in emission control.

In this course work, Gaussian Process Regression is the best among all other models. For the selection of the best model, we have applied performance metrics such as MAE, RMSE, and R2 Score.

Several studies were conducted to predict the emission of CO2 gas by vehicles. In a similar work [5] they have considered speed, acceleration, idle time only

DATASET

For this course work, we took the dataset from the official Canada Government site [2]. This dataset contains an official record of CO2 emissions data by various cars of different features. There is a total of 7385 rows and 12 columns. *Table 1* describes the abbreviations that have been used to illustrate the features. Below mentioned are the attributes from our dataset.

1. Make= Company of the vehicle
2. Model= Car model
3. Vehicle Class= Class of vehicle depending on their utility, capacity and weight
4. Engine Size = Size of engine used in Litre
5. Cylinders= Number of cylinders
6. Transmission = Transmission type with number of gears
7. Fuel type =Type of Fuel used
8. Fuel Consumption City=Fuel consumption in city roads (L/100 km)
9. Fuel Consumption Hwy=Fuel consumption in Hwy roads (L/100 km)
10. Fuel Consumption Comb=The combined fuel consumption (55% city, 45% highway) is shown in L/100 km
11. Fuel Consumption Comb mpg =The combined fuel consumption in both city and highway is shown in mile per gallon(mpg)
12. CO2 Emissions(g/km) =The tailpipe emissions of carbon dioxide (in grams per kilometre) for combined city and highway driving

Table 1 Abbreviations of Features values

|  |  |  |
| --- | --- | --- |
| **Model** | **Transmission** | **Fuel type** |
| 4WD/4X4 = Four-wheel drive | A = Automatic | X = Regular gasoline |
| AWD = All-wheel drive | AM = Automated manual | Z = Premium gasoline |
| FFV = Flexible-fuel vehicle | AS = Automatic with select shift | D = Diesel |
| SWB = Short wheelbase | AV = Continuously variable | E = Ethanol (E85) |
| LWB = Long wheelbase | M = Manual | N = Natural gas |
| EWB = Extended wheelbase | 3 - 10 = Number of gears |  |

EXPLORATORY DATA ANALYSIS

1. *Missing Data and Anomalies*

By analysing our dataset from Canada Transport, there are no missing values in any 12 attributes. From the Figure 1, Out of these 12 attributes of our dataset, 11 are independent variables and one is regressor. In this dataset 7 attributes having numerical data type and the rest of the attributes are hiving categorical values

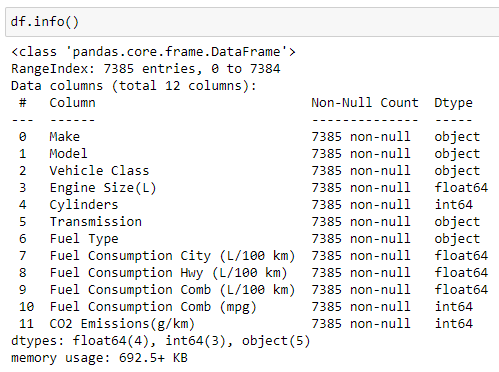


Figure 1 Data Information

Text, letter

Description automatically generated

Figure 2 CO2 Emission for Fuels

From our dataset we have 5 unique values for Fuel type. Figure 2 illustrates the average emission of CO2 for corresponding fuel type along with its counts in the dataset. Vehicles which are running on E (Ethanol) having highest amount of CO2 emission of 275.09 g/Km and for N (Natural gas) having lowest amount of CO2 emission of 213 g/Km, However the count of vehicles running on N is only 1 in our dataset.

1. *Distribution of Features*

When we analysed the dataset, all 7 numerical attributes are in normal distribution and positively skewed. Figure 3 illustrates the Gaussian distribution of CO2 output attribute. The CO2 value ranges from 96-522 g/km. Among all these attributes Cylinders are more positively skewed and CO2 Emission has least skewness.

Chart, histogram

Description automatically generated

Figure 3 CO2 Emission Distribution

1. *Identifying Most Influential Variable*

Graphical user interface, application

Description automatically generated

Figure 4 Correlation Graph of Attributes

For our data set we have analysed the correlation of each variables with CO2 Emission. *Figure 4* illustrates the correlation graph of each variables with CO2Emission. From the Figure 4 we can observe that Fuel Consumption Comb (mpg) is the only one attribute with negative correlation with all other input attributes. And it is evident from the graph that Fuel Consumption Comb(L/100km) is having highest correlation with CO2 with 0.92. So, we are not considering Fuel Consumption in Hwy and City. For Engine size and Cylinders the correlations are 0.85 and 0.83 respectively.

Chart, box and whisker chart

Description automatically generated

Figure 5 Distribution of Cylinders with CO2 Emission

Distribution graph of Cylinder with CO2 cited in *Figure 5* describes that when the number of cylinders increases, the amount of CO2 emission will all so increase.

Chart

Description automatically generated

Figure 6 Distribution of Fuel Consumption Comb (L/100) with CO2 Emission

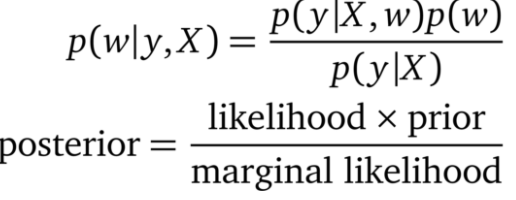
Above mentioned Figure 6 describes the distribution on Fuel Consumption with CO2 Emission where, CO2 Emission increases with increase in Fuel Consumption. From the analysis of correlation graph, it is evident that Fuel Consumption Comb (L/100) have positive correlation with Cylinder attribute.

METHODOLOGY

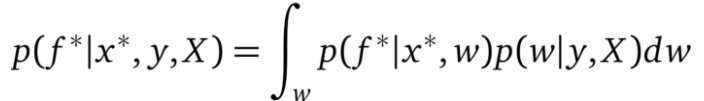
In this paper, we have chosen the attributes Co2 Emission for prediction. So we will be predicting the values for this attribute using three different machine learning algorithms such as

1. Gaussian Process Regression
2. Bayesian Linear Regression
3. K-Nearest Neighbours Regression
4. *Gaussian Process Regression*

The Gaussian Process Regression (GPR) is a machine learning model based on Bayesian theory and statistical learning theory. It is capable of handling complex regression problems with high dimensionality and non - linear. GPR works well with smaller dataset and gives uncertainty in prediction. In contrast to other ML approaches GPR learn exact values for each parameter in a function, the Bayesian approach infers a probability distribution over all possible values. The Bayesian approach works by defining a prior distribution, p(w), on the parameter, w, and then relocating probabilities based on actual data using Bayes' Rule:



The posterior distribution p(w|y, X) modifies distribution which extracts knowledge from both the prior distribution and the dataset.  To obtain predictions at previously unknown points of interest, x\*, the predictive distribution can be computed by weighting all possible predictions by their measured posterior distribution.



The probability and the prior are normally considered to be Gaussian. When we solve predictive distribution with these assumptions, we will get a Gaussian distribution. By using its mean and variance, we get a point prediction and uncertainty

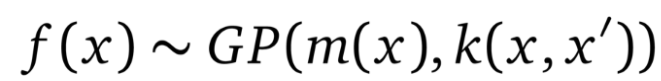
The probability distribution of all admissible functions that fit the data is calculated by GPR. We define a prior, compute the posterior using the training data, and compute the predictive posterior distribution on our points of interest.

The regression can be described as:

y = f(X) + ϵ, ϵ ∼ N(0, σ²)

where y is observation and f(X) is an underlying function. ϵ is noise.

In GPR, we begin with a Gaussian process prior distribution, that can be described using a covariance function or kernel, k(x, x')  and a mean function, m(x):



The mean function m(x) captures the prior mean value at the preceding data point, which is usually assumed to be 0. This covariance function k(,) evaluates data point similarities by identifying the underlying structure of the function that the GP is attempting to approximate.

When we have training data X and data points that we want to approximate, i.e. test data, X\*, we apply a Gaussian prior to y (for f(X)) and f\* (for f(X\*) to produce a joint distribution.



The covariance kernel function can take many different forms such as semi-positive definite and symmetric. Some of the most common kernel functions are constant, linear, Radial basis function (RBF), square exponential, and Matern kernels, as well as a combination of multiple kernels.

A typical kernel used in GPR is the combination of the constant kernel and the radial basis function (RBF) kernel, which encodes for function smoothness. The RBF kernel is defined by the expression below. There are two hyperparameters in the RBF kernel: signal variance σ²and length scale l.

Text

Description automatically generated

To calculate the predictive posterior distribution, the data and the test observation are conditioned out of the posterior distribution. Since we used a Gaussian process before, estimating the predictive function is straightforward, and the outcome is a normal distribution that can be entirely expressed by the mean and covariance.

Text, letter

Description automatically generated

The expression for marginal likelihood is given by:

A picture containing text, watch, gauge

Description automatically generated

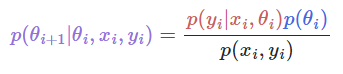
1. *Bayesian Linear Regression*

Bayesian statistics gives people the tools they need to update their beliefs based on new data. The conditional probability of an event is defined by Bayes' theorem, which is based on data as well as prior knowledge or beliefs about the event or factors related to the event. The posterior probability can be calculated using Bayes' theorem and it is calculated by updating the prior distribution. The prior probability is the probability of the output based on the existing data before seeing the new data.

Bayesian linear regression is a valuable mechanism for dealing with incomplete or poorly distributed results. It enables you to apply a prior to the coefficients and the noise, allowing the priors to take over in the absence of results.  Bayesian linear regression can give a clear picture of which parts of it match the data with confidence and which parts are unclear.

Bayesian model is a collection of blocks. The most interested block is used for predicting and it is known as the predictive distribution. It is denoted as: p(yi|xi). We have to bring the uncertainty into this prediction. It is attained by assembling the blocks such as likelihood, prior distribution, and posterior distribution. The second block is the likelihood, which is the probability distribution of an observation yi dependent on the current model parameters θi and a collection of features xi. Likelihood says how accurate that would be to observe the pair (xi,yi). It is denoted as p(yi|xi,θi). We can select likelihood as any distribution according to our problem. Our next block is prior distribution of model parameters. Prior distribution is the present distribution of our model parameters. It can be denoted as p(θi). Choosing a prior is critical since it will add regularisation to our model in our situation. The secret is that by selecting a prior distribution that is conjugate for the likelihood, we gain access to analytical formulas for updating the model parameters. However, if the prior and the probability are incompatible, we must return to approximate approaches such as MCMC and variational inference. These instruments, as cool and trendy as they can be, are mainly optimised for scenarios when all the data is required at once. The final block is posterior distribution. Once we've obtained a new pair (xi,yi), the posterior distribution represents the distribution of the model parameter θi+1 . It is denoted as: p(θi+1|θi, xi,yi). The likelihood of (xi,yi) and the prior distribution of the present model parameters θi are combined to produce the posterior distribution.

We have to combine all these bocks to predict the output. First, we have to choose a likelihood according to our problem. After the selection of likelihood, we have to select a prior distribution for the model parameters [3]. We should choose a prior distribution that is conjugate to the likelihood. After choosing the likelihood and prior, we can derive the posterior distribution of the model parameters. This process is the foundation of Bayesian inference and is carried out using Bayes' rule:



p(θi+1|θi, xi,yi) – Posterior Distribution

p(yi|xi,θi) – Likelihood

p(θi) – Prior Distribution

p(xi,yi) – Distribution of data

Predictive distribution can be achieved through marginalising over the model parameters θi:



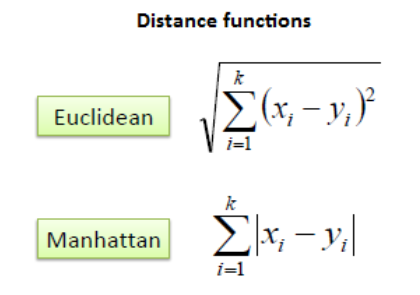
Except if the probability and the prior are conjugate to each other, this is not analytically tractable. However, the equation makes sense since we are calculating a weighted average of the potential yi values for each possible model parameter w. The predictive distribution can be derived by combining the likelihood and the present weight distribution. Every iteration is linked by a recursive relationship, the posterior distribution of the current step becomes the prior distribution of the next step.

1. *K Nearest Neighbours Regression*

Both classification and regression problems can be solved using the KNN algorithm. To estimate the values of new data points, the KNN algorithm uses a feature similarity algorithm.  This implies that the new point's value is determined by how near it is to the points in the training set. The steps in this algorithm are.

1. Calculate the distance between the new data point with each data point in training data.

There are many methods for measuring this distance, the most used for this are Euclidian, Hamming distances for categorical and Manhattan for continuous. Euclidean distance is computed as the square root of the sum of the squared differences between an existing point (y) and a new point (x). Manhattan Distance is the distance between real vectors, and it calculated using the sum of their absolute difference.



1. Select the k data points that have minimum distance between the new data point.

When we add a value to a new observation, this specifies the number of neighbours the algorithm look at. We can find an optimum value of k based on the error calculation of validation and training dataset. Our aim is to find the k value for minimal error. If the value of k is low, then there is a chance of overfitting. And this leads to a high error rate on the validation dataset. If the value of k is very high, then the model performs badly on training and validation dataset.

1. The final prediction for the new point is the average of the k selected data points.

EXPERIMENTAL SETUP

*Data Pre-processing*

Data pre-processing is a crucial step in the data mining process. Data pre-processing is a data mining method used to clean up and make available raw data obtained from various sources. When data is prepared, missing data, null values, noisy data, and untrustworthy data are all removed. The following pre-processing methods are used in this case:

1. *Handling missing or null values:*

There are many missing values in real-world data. If the null or missing value attribute has a weak association in predicting the class, the problem can be solved by deleting the null or missing value row or column. Missing or empty values can be filled in with zero or some other number, such as mean, minmax, or so.

But there is no missing values in our data. We can understand that by looking Figure.1. There is only one single data for the fuel type is N (Natural gas). Figure 2 illustrates the count of data for each fuel type. So, we remove that single row from our dataset.

1. *Split transmissions and gears in Transmission column.*

Extract the value of gear from Transmission column and stored it in a new column called Gears. Remove the gear values from Transmission column. Now, Transmission column has 5 unique values.

1. *Covert categorical values to numerical values*

The process of converting categorical values to numerical values is called One-hot encoding. We use one-hot to transform each categorical value into a new categorical column and give it a binary value of 1 or 0. A binary vector is used to represent each integer value. The values are all 0, and the index is denoted by a 1. This will help to improve the performance of ML algorithms.

We have applied One-hot encoding on categorial attributes like Transmission and Fuel Type.

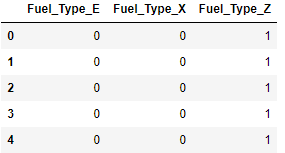


Figure 7 Fuel Type column after One-hot Encoding

If the value of three columns are zero, then it represents the fourth category Fuel\_Type\_D. After the process of one-hot encoding process, add the newly created columns to the dataset and remove the original columns of Fuel Type and Transmissions from the dataset.

1. *Feature Selection*

The process of selecting relevant features for modelling the data. Feature selection will improve the performance of our model. In our model, we have removed attributes like Make, Model, Vehicle Class, Fuel Consumption City (L/100 km), Fuel Consumption Hwy (L/100 km) and Fuel Consumption Comb (mpg). We have removed categorical attributes like Make, Model and Vehicle Class because the attributes contain many unique values. If a feature has many unique values, then it is very hard for One hot encoding. We have removed columns like Fuel Consumption City (L/100 km), Fuel Consumption Hwy (L/100 km) and Fuel Consumption Comb (mpg) because we have a feature called Fuel Consumption Comb(L/100 km) which is the combination of fuel consumption in city and highway.

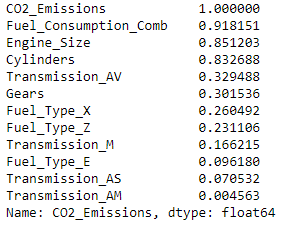


Figure 8 Correlation of CO2 Emissions with other attributes

Figure 8 illustrates the correlation of Co2 Emission with other attributes. Transmission\_AM column created after one hot encoding has the least correlation with the Co2 Emission. So, we are removing that column from our dataset.

There are 11 features including predictor Co2 Emission after data pre-processing.

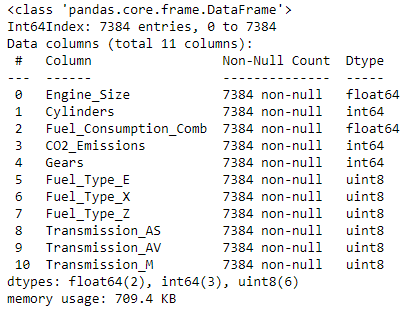


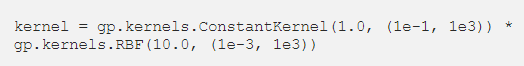
Figure 9 Structure of dataset after data pre-processing

After data pre-processing, we have split the dataset into training and testing dataset in the ratio of 70:30. The three different models discussed under methodology section were created

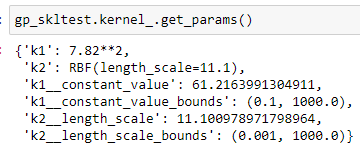
*Implementation of Methods*

1. *Gaussian process regression kernel selection and hyperparameter tuning*:

We used the default kernel to estimate the value for the Gaussian process regression model.



Using the scikit learn Gaussian process regressor, we optimised the hyper parameters for the above kernel, such as length scale and constant value. Maximizing the log marginal likelihood of the training data is a standard approach for tuning the covariance kernel function hyperparameters.  The scikit learn library's default optimizer is 'fmin\_l\_bfgs\_ b'. Since the log marginal probability is not always convex, the optimizer is restarted with different initializations several times. The optimised kernel is seen below, and it is used in our regression model.



1. *Bayesian Linear Regression*

Here, we are going to implement Linear regression using Bayesian inference. The model parameters θi in a linear regression are simply weights wi that are linearly applied to a series of attributes xi:



 The scalar product of all the features xi and weights wi is the predicted value. Let us consider the noise follows a gaussian distribution, which implies the likelihood is also a gaussian distribution.



 β – Noise precision parameter

For our problem, we have tried different values of β and set β = 1.

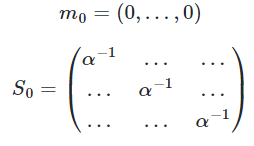
The multivariate Gaussian distribution is the appropriate prior distribution for the Gaussian likelihood function.



m0 - the mean of the distribution

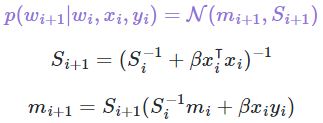
S0 - covariance matrix.

Initial values of m0 and s0 are:



We used α = 0.3 to initialize the covariance matrix

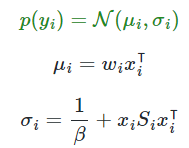
We can now calculate the weights' posterior distribution:



xi represent row

xiT xi - [outer product](https://www.wikiwand.com/en/Outer_product) of xi with itself

Now we can calculate the predictive distribution using equation:



We have tried to find the prior probability distribution using MCMC. But it took a lot of time to find the prior distribution. So we have used python and created two methods called learn() and predict() to implement Bayesian linear regression. Learn method is doing the same function of fit in other models. In learn() function, we have stored the inverse of the covariance matrix rather than its non-inverted form. We update inverse covariance matrix and mean vector after each iteration. The predict() method returns a scipy.stats.norm instance. This instance is simply a 1D probability distribution with useful methods like mean(), std(), interval() and pdf ().

1. *K Nearest Neighbours Regression*

We try to find the best method by tuning k value. After that we set k =5 for our model.

All the three models are trained using training dataset and validate the model using testing dataset. The results of prediction are discussed in next section.

RESULTS

We have successfully implemented the three ML regression models and predict the Co2 Emission by vehicles on the 30% of testing dataset. We have used three different evaluation metrics to evaluate the models. The evaluation metrics used are Mean absolute error (MAE), Root mean squared error(RMSE) and Coefficient of determination(R2) score.

1. *Mean Absolute Error (MAE)*

Loss function used in regression models is mean absolute error (MAE). MAE is the sum of absolute differences between our target and predicted variables.



Models which have small MAE values are good.

1. *Root Mean Square Error (RMSE)*

The standard deviation of the residuals is defined as the Root Mean Square Error (RMSE) (prediction errors). Residuals are an indicator of how far apart the data points are from the regression line; RMSE is a measure of how spaced out these residuals are.

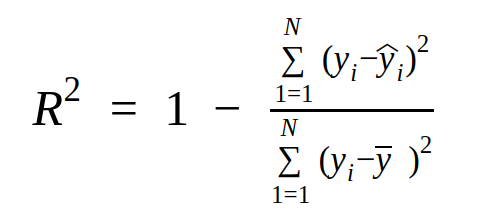


Where f = predicted value and o =actual value.

The model which has lower RMSE is having less error in prediction.

1. *Coefficient of Determination (R2) Score*

R-squared (R2) is a statistical measure that represents the proportion of the variance described by an independent variable or variables in a regression model with a dependent variable. It can take values from 0 to 1. The best value for a regression model is 1.



ŷi – predicted value,

ȳ - Mean of the observed data

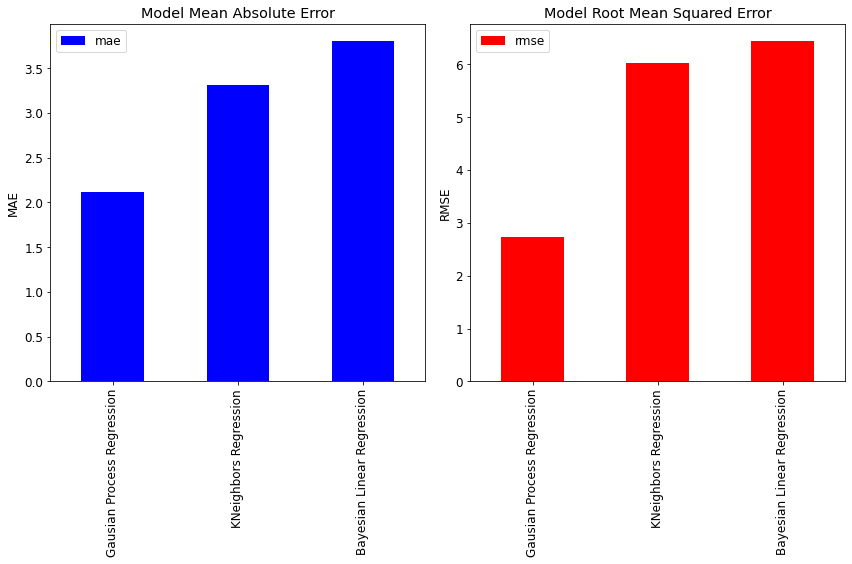


Figure 10 MAE and RMSE values of models

We are going to evaluate the implemented models like Gaussian process regression, Bayesian Linear regression and K Nearest Neighbours Regression using MAE, RMSE and R2.

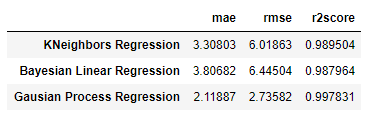


Figure 11 MAE, RMSE and R2 Score of the Models

From figure 10 is evaluation metrices of all three models. Among these models, Gaussian process regression has the highest R2 score with 99.73% and lowest MAE and RMSE values with 2.11 and 2.73 respectively. K-Nearest Neighbour Regression and Bayesian Linear Regression have almost same values but, considering all three values K-Nearest Neighbour has more accuracy than Bayesian Linear Regression for predicting CO2 emission. From the analysis of our results we can observe that Gaussian Process Regression has more accuracy than any other model with least error for predicting CO2 emission by vehicles. Considering the ability of Gaussian process regression to provide uncertainty of measurements while dealing with small set of data we can opt Gaussian process regression model as the best one for our problem statement.

DISCUSSION AND CONCLUSION

Our problem statement was to predict the emission of CO2 by vehicles based on the dataset we have from the Canada Transport. To implement solution for this problem we have considered 3 models such as Gaussian Process Regression, Bayesian Linear Regression and K-Nearest Neighbour Regression. Among these models, Gaussian process regression has the highest R2 score of 99.73% and lowest values for MAE and RMSE. So, we considered Gaussian Process Regression is the best model for our problem.

Regulation of CO2 is very important in the current environment situation. For the Canadian government based on our data they can create new amendments for vehicles to meets the Paris agreement. As per Paris Agreement Canada has pledged to reduce the amount of greenhouse gas by 30% of 2005 in 2030. Thereby the country can reduce the emission of CO2 to a great extent. By using our Gaussian process Regression model to predict the CO2 emission will help the vehicle manufacturers to design their vehicles according to our findings. If we consider more relevant feature, we can improve our model futuristically.

APPENDIX

1. Gaussian Process regression source code: <https://livecoventryac-my.sharepoint.com/:u:/g/personal/jamesj29_uni_coventry_ac_uk/EbXHIp8-zzFCp7EBfK5cHgsBJiK2S6jzv4c5yFXEsoy8vg?e=c86Vfr>
2. Dataset for Gaussian process regression: <https://livecoventryac-my.sharepoint.com/:x:/g/personal/jamesj29_uni_coventry_ac_uk/Ef2XLXbd8aRCubp03qefgWwB8P47A1A26kP-zrFXF54zkg?e=obGBcJ>

REFERENCE

1. Canada’s National Observer : <https://www.nationalobserver.com/2019/09/04/analysis/canadian-cars-are-worlds-dirtiest-ev-age-essential#:~:text=VEHICLE%20LIFESPAN%20EMISSIONS%20%E2%81%A0%E2%80%94%20The,the%20lifespan%20of%20the%20car>.
2. Government of Canada: <https://open.canada.ca/data/en/dataset/98f1a129-f628-4ce4-b24d-6f16bf24dd64#wb-auto-6>
3. Towards Data Science: <https://towardsdatascience.com/quick-start-to-gaussian-process-regression-36d838810319>
4. Maxhalford: <https://maxhalford.github.io/blog/bayesian-linear-regression/>
5. Research Gate: <https://www.researchgate.net/publication/269329236_CO2_vehicular_emission_statistical_analysis_with_instantaneous_speed_and_acceleration_as_predictor_variables>

Fuzzy Logic Optimized Controller for a Commercial Greenhouse

Abhijith Shaji, SID:10915804, Email: [shajia2@uni.coventry.ac.uk](mailto:shajia2@uni.coventry.ac.uk)  
Jobis James, SID: 10902871, [jamesj29@uni.coventry.ac.uk](mailto:jamesj29@uni.coventry.ac.uk)

Greenhouse farming is one of the sustainable ways for farming any kind of plants by creating an artificial environment favourable to the plants. Greenhouse farming was commercially adopted by the 1960s by the introduction of polythene sheets. Due to the advancements in agricultural technologies and insufficient availability of farmland, Greenhouse farming is getting more successful irrespective of its expenses and whether conditions. Automated climate-controlling of temperature, humidity, soil moisture, light intensity, and soil PH has helped to reduce the physical and materialistic expenses to maintain the environment of greenhouse farming.

A Fuzzy system can help to improve this climate-controlling by the truth value for output parameters. For greenhouse farm automation we have several sensors for collecting field data such as temperature sensors, humidity sensors, soil-moisture sensors, light intensity sensors, and PH sensors. These sensors are widely spread across the fields to collect the data. Based on the inputs from PID sensors and output generated for controlling the heaters, cooling fan, sprinklers, and water pump to the specific locations in the field. Due to this implementation, we can reduce energy consumption and manual labour along with a sustainable environment and thereby reduce disease that can cause major loss.

The FLC system has been designed based on our knowledge about the Greenhouse environment how the climate control system should behave to the internal changes. For the construction of this knowledge base, we have analysed various citations and articles about climate setup and how the actuators should behave in situations.

***Keywords: Fuzzy Logic Controller (FLC), Member Functions, Genetic Algorithm,***

PART 1: Design and Implementation of FLC ![Diagram

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAkACQAAD/4RD4RXhpZgAATU0AKgAAAAgABAE7AAIAAAAPAAAISodpAAQAAAABAAAIWpydAAEAAAAeAAAQ0uocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEFiaGlqaXRoIFNoYWppAAAABZADAAIAAAAUAAAQqJAEAAIAAAAUAAAQvJKRAAIAAAADNjMAAJKSAAIAAAADNjMAAOocAAcAAAgMAAAInAAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADIwMjE6MDU6MDUgMTg6Mjk6MzAAMjAyMTowNTowNSAxODoyOTozMAAAAEEAYgBoAGkAagBpAHQAaAAgAFMAaABhAGoAaQAAAP/hCyFodHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLjAvADw/eHBhY2tldCBiZWdpbj0n77u/JyBpZD0nVzVNME1wQ2VoaUh6cmVTek5UY3prYzlkJz8+DQo8eDp4bXBtZXRhIHhtbG5zOng9ImFkb2JlOm5zOm1ldGEvIj48cmRmOlJERiB4bWxuczpyZGY9Imh0dHA6Ly93d3cudzMub3JnLzE5OTkvMDIvMjItcmRmLXN5bnRheC1ucyMiPjxyZGY6RGVzY3JpcHRpb24gcmRmOmFib3V0PSJ1dWlkOmZhZjViZGQ1LWJhM2QtMTFkYS1hZDMxLWQzM2Q3NTE4MmYxYiIgeG1sbnM6ZGM9Imh0dHA6Ly9wdXJsLm9yZy9kYy9lbGVtZW50cy8xLjEvIi8+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczp4bXA9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8iPjx4bXA6Q3JlYXRlRGF0ZT4yMDIxLTA1LTA1VDE4OjI5OjMwLjYyODwveG1wOkNyZWF0ZURhdGU+PC9yZGY6RGVzY3JpcHRpb24+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iPjxkYzpjcmVhdG9yPjxyZGY6U2VxIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpsaT5BYmhpaml0aCBTaGFqaTwvcmRmOmxpPjwvcmRmOlNlcT4NCgkJCTwvZGM6Y3JlYXRvcj48L3JkZjpEZXNjcmlwdGlvbj48L3JkZjpSREY+PC94OnhtcG1ldGE+DQogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgIDw/eHBhY2tldCBlbmQ9J3cnPz7/2wBDAAcFBQYFBAcGBQYIBwcIChELCgkJChUPEAwRGBUaGRgVGBcbHichGx0lHRcYIi4iJSgpKywrGiAvMy8qMicqKyr/2wBDAQcICAoJChQLCxQqHBgcKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKir/wAARCAG0A7MDASIAAhEBAxEB/8QAHwAAAQUBAQEBAQEAAAAAAAAAAAECAwQFBgcICQoL/8QAtRAAAgEDAwIEAwUFBAQAAAF9AQIDAAQRBRIhMUEGE1FhByJxFDKBkaEII0KxwRVS0fAkM2JyggkKFhcYGRolJicoKSo0NTY3ODk6Q0RFRkdISUpTVFVWV1hZWmNkZWZnaGlqc3R1dnd4eXqDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uHi4+Tl5ufo6erx8vP09fb3+Pn6/8QAHwEAAwEBAQEBAQEBAQAAAAAAAAECAwQFBgcICQoL/8QAtREAAgECBAQDBAcFBAQAAQJ3AAECAxEEBSExBhJBUQdhcRMiMoEIFEKRobHBCSMzUvAVYnLRChYkNOEl8RcYGRomJygpKjU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6goOEhYaHiImKkpOUlZaXmJmaoqOkpaanqKmqsrO0tba3uLm6wsPExcbHyMnK0tPU1dbX2Nna4uPk5ebn6Onq8vP09fb3+Pn6/9oADAMBAAIRAxEAPwD6RooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKgu/8AUj/eqeoLv/Uj/eoAp0UUUAadFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUU2WVYYmkkOFUZJ9KAHUVhQeM9CuNMudQiv4zbWx2yvzhT0qQ+K9GElihvY91+u63H/PQe1AGzRWOPFejFL1hex7bD/j4P/PP6/lSSeLNFijs3e+jC3pxAf7/AF6fkaANmiskeJ9Ja7urZbyMzWilpl/uDn/Com8YaGthBeNfxiCeTy437M3TFAG3RWV/wk2k/wBoS2X2tPtEMfmOncL61APGOhtpiX4v4/s0knlrJ2LccfqKANyiso+JdKXU0sDdp9pePzFj7leOf1FVx4y0I2E179vj8iF/Lkfsren60AbtFZQ8TaSdQtrIXifaLqPzIk7suM5qAeMdDNneXQv4/JsnKTt/cPPB/I0AblFZDeKdHR7JGvYwb4Zt/wDb69PyNA8UaQZb6MXke/TwTcj/AJ5gZ6/kaANeisP/AITLQ/s1lP8Ab4/Lvn8u3b++3oKnj8S6VLqN5Ypdobiyj8ydO6L6n86ANWisH/hNdB/siDU/7Qi+yXEgjil7Mxxx+oq0viPS21gaWt2hvDH5oi77eDn9RQBqUVhDxloR0uXURfx/ZYZPKeTsG9P1qx/wk2lf2lBYfa0+03EfmRp3ZcZzQBq0ViJ4w0N7G7vFv4zBZuUmfsjen6VI/inR45bSN72MNeDMA/vj2/KgDXorG/4SzRibwfbo/wDQv9f/ALHXr+VDeLdGWGzkN7HsvTtgP98+1AGzRWQPFOjtc3UAvY/MtF3TL/cFRf8ACY6GLO3uvt8fk3LbIm/vH0/WgDcorLHiTSjfSWYu08+NPMZO4X1/Wqx8aaCNNW/OoR/Zmk8oSdi3p+tAG7RWWfEeljVBp5u0+0mLzRH324zmq/8AwmOh/wBmy3/2+P7NFJ5bydg3p+lAG5RWSfE+kC+t7Q3kfn3K74k7sPX9Kj/4S7Rfs17P9uj8uxYrcN/cPPX8qANqisdvFejJcafC17GJNRGbZf8Anp9KE8V6NJNfxpexl9P/AOPkf88/rQBsUViHxfogtbK4+3R+VfMEt2/vk46fmKmHiXSjqdzp4u0+02sfmSx91Xjn9RQBq0Vgf8JtoH9lRal/aEf2WaURJJzgsTjH61bbxHpa6wdLa7QXixecYu+3Gc0AalFYQ8aaCdNe/GoR/Zo5PKaTsG9P0qwfEmlC+gszdp586b407sPX9KANWisP/hMND+yXdz9vj8qzbZO39w88H8jUn/CVaP8AaLOH7bH5l6N0C/3xQBsUVjjxVo5W7IvY8WZxP/sfWm/8Jdouy1f7dHtuziE/3/8AOaANqislfE2kvc3UC3iGS1XfMv8AcHr+tRN4w0RdPtr1r+MW90+yF+zH0/WgDborKHibSW1CWyF4n2iFPMdO6r61CfGGhjT1vTfx/Z2fyw/Yt6UAbdFZR8SaUNTGn/a0+0mPzBH3288/oarHxroI0qfUTqEX2W3k8qWTnCtzx+hoA3qKyn8S6VHqFpYvdoLi8j8yFO7r6ioB4w0M2t5cC/j8qyfZO39w+hoA3KKyD4p0hZLBDeR7tRx9mH/PTp0/MU1fFmjNcX8AvYzJpwzcr/zzHHX8xQBs0VgnxpoIsNPvDqEYg1Jtlq/aQ8cD8xVn/hJdK/tG5sftafaLVPMmTuq4zmgDVorCPjPQRp0d8dQi+zSyeWj9i3pVkeJNLOrHTRdp9rEfmmPvt55/Q0AalFYR8aaCNLl1H+0I/ssMhieTsGyRj9DVg+JtJXUILI3aC4uI/MjTuy+tAGrRWKPFuim1uLgX0flWz7JW/un0p7eKNIW4tIDexiS8GYF/vjjp+dAGvRWPH4r0aUXpS9jIsf8Aj4/6Z9Ov5imjxbopis5BfR7b3iA/3/p+dAG1RWR/wlOj+fdRfbY99ou6Yf3BUZ8X6ILO3ujfR+Tcvsib+8fSgDborKHiXSjqk2n/AGtPtUEZlkj7qvJz+hqt/wAJpoP9kLqf9oR/ZGm8kS9t+SMfoaAN6isv/hI9L/tMaf8Aa0+0mPzRH32+tVv+Ez0L+zZb/wDtCP7NDJ5byc4DZxigDdorJPifSF1C0sTeR/aLxPMgTu68cj8xUI8Y6GbS/uRfx+VpzbLlv+eZ46/mKANyisU+LdFH9nZvo/8AiZrutf8ApqOOn505PFejyPfIl7GWsBm4H/PP60AbFFYknjDRIrK0u3voxDeNsgfs59BU3/CTaSdUuNP+1p9qto/Mlj7qvPP6GgDVorD/AOEy0L+y49R+3x/ZZJTEsnYtkjH6Gp28S6UupnTzdoLkR+YY++31oA1aKwx4x0NtOe+F/H9nR/LZ+wb0qx/wkel/b4LL7Wnn3Cb407svr+tAGpRWGPGWhG1ubgX8flWr7JW/unjj9am/4SfSfOtYvtib7td0I/vj/JoA1qKxR4t0UrdEX0eLT/Xf7FDeLtFVbRjfRgXhxB/t/SgDaorJHibSTc3luLtPNsU3zr/cHPJ/I1CfGWhiztro38fk3T7Im/vH0/SgDcorKXxLpTajPYrdobi3TfIndV9art4y0JdLXUTfx/ZWk8sSdi3TFAG7RWV/wkulf2tHpv2tPtckXmrH3K+v61WTxpoMmkT6muoRm0t5fJkl7K/HH6igDeoqO3njureOeBg0cihlYdwakoAKgu/9SP8AeqeoLv8A1I/3qAKdFFFAGnRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFV9QZk06do4vOYIcR/3varFVtRVm024VJfJYocSH+H3oA4rwhodrrfhm/i1fw9Hpq3cpEtuMYcA9f0FdAfBehtJp8hs03aau22P9wVQ+HcFzB4fkF5rK6u5mYiZWzgZ6da62gDBHgzQxHqCfY026j/x8j+/1/wAaSXwVoU0VjHJZIV085txj7nX/ABNb9FAGIvhDRkvry7WzQTXqFJ2/vjn/ABNQN4F0B9Nt7BrFDb20vmxJj7rZzmuiooAxf+ES0c6pNqBtF+0zx+VI/qvp+lVx4E8PrpMemixT7LHJ5qpjgNxz+groqKAMVvCejtq8epm0X7VHH5SydwvHH6Cq3/CB+Hxps9gLBPs9xJ5kiY6t6/pXR015Uj++wX6mgDHHhLRxqdpqAtF+02cXlQv/AHVxjFVx4F0AWN/ZixTydQcyXC4++eef1NbJ1GzU4a5jB/3qT+0rL/n6i/76oAzX8HaI8mnu1mhbThi2P9zr/iaB4P0UTajKLNN+pqVuj/z0Bz/ia1lvLd/uzIfoalBDDIORQBz3/CCeH/smn2wsU8rTpPMt1/uN61Yi8JaPDql/qMdooudQi8q4f++vp+lbVFAHNf8ACv8Aw7/YdtpH9nx/YrWUSxR44Vhg5/QVdXwrpKa6NYW1UXoiEIl77QAMfoK2KKAOcHgPw+NHm0sWCfZJ5fOkjxwW45/SrP8AwiWj/wBrW2pfZF+1WsXlRP8A3VxjFbVFAHPJ4F0CPTr2xSxQW99IZJ0x99jnn9TUsng7RJZrKV7NC9iNsBx9wc/41uUUAYI8FaGDfkWSf8TD/j44+/1/xNI3grQ2gsYjZJssG3W4x9w1v0UAYS+DtFW6vLkWaebertnP94VF/wAIJ4fNja2f2BPItX3xLj7p4/wroqKAMYeFNIXUpL4Wi/aJY/LZ/VeOP0qofAPh46SummwT7KsvnCPHG71/SukooAxz4V0htYXUzar9rWHyRJ32Yxiqv/CCeH/7Jm037An2WaTzXTHBbnn9a6KigDEPhDRm1C1vTZp9otE2Qv8A3Rzx+tRf8IRoP2XULb7Enlaixa5XH3yc/wCJroKKAMF/Behvc6ZcNZIZNLGLVv8Ann9KWPwZokU2pSpZIH1T/j6P/PT61u0UAc8fA+gmz0+1Ninlac4e2XH3CMf4Cpx4S0ddXu9TFov2q8i8qaTuy8cfoK2qKAOaHw/8OjRYNKFggtIJRNHHjgMCDn9Kut4V0h9dbV2tVN60PkGXvsxjFbFFAHNjwD4eXSJNNFgn2WSXzWjxwW9f1q2fCmkHUre+Nov2i2j8uN/7q88frWzRQBzv/CC6ALG+tBYp5N+++4X++ef8TUv/AAhuifabGf7GvmWC7bc/3BW7RQBhDwZogW9AskxfHNxx9+mf8IRoPl2afYU22RzAMfcP+RXQUUAYi+EdGS7vLlbRBLeJsmb+8OOP0FQt4G0B9MtLA2KfZrOTzIUxwrcc/pXQ0UAYo8I6Mupz6gLRftE8flSP6rjGKgPgXQDpa6ebFPsySeaEx0b1/WuhooAxj4T0c6uup/ZF+1rEYhJ324Ix+pqmfAHh06Lc6UbBDZ3UplljxwzZJz+prpaKAMWTwno8uqWWoPaKbmxi8qB/7i+lVx4F0AWd9bCxTyr999wuPvn1roqKAMNvB2itLpshs03aXj7Kf+efTp+Qpi+CtDS61K4WyQS6oNt03/PQcf4Ct+igDm28BeHm07S7FrBDBpTh7RSP9WeOf0FW/wDhE9H/ALUu9R+yL9pvI/Lmfuy4xitmigDmz4B8PHSotONgn2WKXzUTHAb1/WrY8KaQNaOrC0X7YYvJMnfbgjH6mtmigDm/+EB8Pf2PNpf2BPsk8pmkjx1cknP6mrTeEtHbU7bUGtFNzbR+VE/91fStqigDnx4I0EWd1bCxTyrp98q4+8fWpG8HaK11ZXLWaGWxAEDY+4OP8BW5RQBgxeDNEhXUBHZoBqP/AB8/7fT/AAFIvgnQlhsIxZJt085tx/c6f4Vv0UAYX/CG6J9ovJ/saeZertnOPvioz4H0FrC2szYp5Fq++JcfdPr+tdDRQBjDwnpA1ifUxaL9ruIjDJJ/eUgjH6mqn/CA+Hhoa6QLBBZLOZxHjjeSTn9TXSUUAY//AAiuk/2uNT+yr9qWLyRJ32+lVP8AhAvD39kTaZ9gT7LPL5skeOC2c5ro6KAMQ+ENGbVLHUTZp9psIxHbv3ReOP0FQDwJoAstStBYp5OqPvulx/rDx/gK6KigDAPgnQiNKBskxpK7bTj/AFY46fkKWPwZocUmoOlkgbUhi5OP9Z9a3qKAOel8DaBNp9jZSWKGCwffbrj7h/yanHhLRxrF1qgtF+13cXlTSd2Xnj9TW1RQBzn/AAgfh86PFpZsUNpFMZkj9HyTn9TVpvCejvq7am1opu2i8oyd9vpWzRQBzo8CeH10t9OFin2aSTzWTHVuuas/8IppH9pW1/8AZF+0WsflxP8A3V9P0rZooA50eBPD62d3bCxTyrx/MmXH3jxz+gqf/hENG+0WUxtF8yxTZAf7g/yK26KAMAeCdCVb1RZJi+OZ+Pv0jeCNBZbJWsUIsTmDj7ldBRQBijwlo4u7+5Fovm6ghS4b++Of8TVc+BPD5sbSzNink2cnmQrj7rc8/rXRUUAYqeEtHTVLnUVtEFzcx+XK/wDeX0qs3gPw+2jLpZsE+yLL5ojxwGznNdHRQBjDwno41qPVRaL9sjh8lZO4Tjj9BWZd+AtDg8J6hpVlp8YhuGNwYz0aUYIJ/ECusqpquw6TdebKYk8lt0g6qMdaAML4fLrEfhSKLxAIluImKKIjlQg+73NdRXI/DVbFfCYGmapJqcPnP+/kbJznp1NddQAVBd/6kf71T1Bd/wCpH+9QBTooooA06KKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAqrqRiGmXH2hS0XlncB1Iq1Ve+8z7BN5ADSbDtDdCaAOW+Gj6Q/htzoFvLb2/nNlZc5zk5rsa5nwINVXQWGuQQwT+a2Fh6YyfeumoAKKKKACkLBRliAPc1z+t+LrTS3+z2yNeXZ4EUPzY+uKyV0fxJ4iYS6te/YLRv+XeE/MR9c0Abmq+LtJ0pSJrlXk/55x8k1h/8JX4g1RtujaFIkbfdnmwAf1rb0vwfo2kuJILVXn/57ScsfxrcAx0oA4c6F4w1Nf8ATtXjswe1uMkfmKdH8PJJP+Qhrl5ceuSB/IV21FAHG/8ACsNCbmXz3buxlb/Gj/hV/h//AJ5zf9/n/wAa7KigDjT8NdNUf6PdXUJ7ESE4/OoG8B6pAwaw8SXSY6I4Uj+VdzRQBw/leNtK5WS31CJe3Ic/oBUkHj6W1kEfiHSbjTyTgORlT+RNdpUc0EVxE0c6K6MMFWHWgCvY6vYalHvsrqOUexq5XKXvw/01nM+kNJptwOVMBwufcVSGqeI/CzAazGdTsh/y8Qg7h9RyaAO4oqjpes2WsWwmsplcd1zyv1FXqACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooozjrQAUU3zEH8S/nSedH/z0X/voUAPopvmIejr+dOBB6HNABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUU2SRIl3SuqL6scCoF1GydwqXcDMegEgyaALNFRpcQySFElRnXqoYEikF1AzMomjLJ94bhx9aAJaKq/2nY/8AP5b/APf1f8ae99axKpkuYUDdCzgZoAnoqBL+0lz5dzC+Bk7ZAcU+OeKaPfFKjoOrKwIoAkoqOK4hnBMEqSYODtYHFOkljhQvK6oo6ljgUAOoqGC8trrP2a4ilx12OD/Kmz39pbOEuLmGJj0DyAE/nQBYopokQx7w6lMZ3Z4psVzDOpaGZJFXqVYHFAElFQG+tRF5huYgmcbi4xn603+0rH/n8g/7+j/GgCzRUEl/aRNiW5hQ4zhpAKkimjmXdDIsi+qsDQA+ioJr60t2Cz3MMbHoHkANS+bH5fmb12Yzuzx+dADqKZFNHMu6GRXX1U5pPtEPneV5qeZ/c3DP5UASUUyWaOFN00iovqxwKhXUbJ2CpdwMx6ASDNAFmiq7ajZI+1ruBW9DIKnV1dQyMGB6EHNAC0UUUAFVdTKrpV0Xi85RE2Yx/Hx0q1VfUPO/s64+yusc3ltsduitjgmgDm/hzLBN4WDWukNpKea/+jt169ep611lc54GGsjw8P8AhI762vbzzG/e2xBXb2HBNdHQAVBd/wCpH+9U9QXf+pH+9QBTooooA06KKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAqrqW3+zLjfL5K+Wcyf3ferVVdUKjS7kyRGZRGcxj+L2oA5n4bLbp4ckFprDauvnNmZjnByeOprsK434ZzWk3h2VrHR5NJTzmzDJ1Jz16muyJCgknAHU0ANd1jQvIwVVGST2rj7zWNQ8SXj2Hh/93aqds12f6Ut9cT+LNUbTbF2j0+E/v5l/jP8AdH611NjYwafapBaxhEUY470AZ+ieGbHRI8xKZp2+9PJyx/E1sUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUjKrqVcBlPUEdaWigDlNU8ImK6OpeHZTaXY+YxDhJPYjp+lWtA8Tf2hK1hqcf2XUo/vxH+L3FdDWJr/h6PVoxNA3kXsXzRzL1z6GgDborA8Oa496r2Oojyr+3O1lP8Y/vCt+gAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKztY1yy0W1M15IATwqDlmPoBXKmfxL4sz9nB0mxPRj99h696AOo1TxFpejxlr+7SMj+HPNc7L8QPtLmLRdOnumP3W2/Kfxq7pngTTbNhLe7r6c/eeY5zXRw2sFuoWGFEA6YWgDihd+OdRyBZwWQPQsen6UJ4b8WXWRf6wqD/AKZCu6ooA4j/AIQC6f8A1uv3nPXBP+NR/wDCsv8AqYNQ/wC+2/8Aiq7uigDiB8PbiMYj1+8wOmSf8aY/hfxPaj/iX61v/wCuoruqKAOFMnjrTl/1Nve49DjP6VJH48urJhHrulT27fxMq5UfyrtqjkgimUiWNHB65GaAMvS/Fej6wdtleIz9NpODWxXOap4J0rUPnij+yzD7skRwQaxxb+J/CnzxSnV7NeqN98fyoA7uisjRPEdlrcX7hvLnX78L8MprXoAKKKKACiiigAooooAKKKKAPPfjZcz2vw1vJbWV4pBjDIcGvHfhhJ4bv77SDd61qr6qzjMZdihOf97+le3/ABX0G+8R+BLrT9MTfPJjApvw38Hw6H4P06LUdPhS/gX5n28g0Aee/DvUL2f40eJbea6leGIYRGYkDhaTwE91rHxa8V6bc3k3kuGVRvPy/e6c1Lq/g7xb4N+Id/4h8K2qahDqA/eRt/CcY9vSrngXwP4l0qLXfEmoIqaxqKN5UI6ISD/jQB57488KraeL7Xwz4R1u/vNTuHzMPObEYJ/3j616h4w8DWNv4Js7vxFrl1a/2db4do5CN7c+49a4Dwx4c+I/hXWL7U00aK9vbpy3nSnJXnoOa3Pid4f8f+MtP0pUtQEjAe4gU8M2TwefpQBV+B3hfVdWvNQ1q6vbv+ybiNobYSyMSwIIzyfcVjX3izxB8NJte8HzGe5uL9ydOkYkkBsn+or0rwBd+ObbULbTdU0SCy0uJNuY+3H1qD4j+B9V174peHNWsbZJLW0fM7Ee4/woA6v4X+Grnw34PgTUbiWe8uB5szSMTgntzXnfxJ1XVvFvxbs/Amn3kljaLEJZ5IyQzDnI4+le6xrtiRemFAryL4mfD7WpPGNp4z8Hsp1GBQkkJ/jUf/rNAFnT/h8/w3urjX7LWLu5sre0cy207lgzcc8k+hrjvAngy7+Kun6h4i8Q6xeJI8zLbRwysqp6cAiuy8Mnx14n1iSPxbZx2WktbtE8S9XJxz1Poa5jR9D+IPwza/0jQbNNU0+5lZ4JCcGPP4igBPAHiXVotO8b+ENUvHuJdDhmENwT8xwrd/8AgNcX8LPG2reGpD/wkNxM2j60JVhuJHJ2SK23qenevUfBXw11TR/DPiXUdWdZdc12GTzFH8JKnj82rN0/4TXup/Ab/hHtThWHVLeaWa3burF2I5/GgCt8NNAbx/8AC25tr7U7qIRXzukqSHcRjpnNcr8O/BsniT4ia7pF5rl8INKnKxEStlsE9efavWfgn4T1Pwn4Gn0/V4/LnaUkD2xis34ZeCdY8P8AxK8TapqMIS1vZ2aFvUZb/GgDz3xzJaJ8axpOu61dWelw2yLvSUjkKvuK2vhTreqWN34luLS7mvtAs4mNtNMSckAdzmtvV/hnea58cJdV1KzWbSJIQhJ9cL/hS+DfA+veEdf1Xw88C3HhzUA3lyd48j/61AHPeBfCd58WNNvvEuvaxdxM8jC2jhkZQmPoR7VL4R8T6tFofivwxqF2876dGxhnJ+bA9/xq1pXh/wAffDSS+0nw7Zx6jp07kwOT/q8/iK1vC3wx1TTPCmvXmpMJda1ZGJUfw57UAafwBu7i8+H/AJl3M8z+aRudiTXNSahef8NM/ZftUv2fys+VuO3v2ql4Gs/iZ4L09NKtdIie187cWY84J+tSeJfC3je2+J6eKdF09JnMQBUngHv3oA6/9oC8uLL4bzS2kzwvvHzIxB6GvMvh5/wjt9eaezapq7ajsZirM2wttP8Atf0rs/E+k+NvHXw0u7PV9PSG/EoMaKeo596reEIPHmmtZafdeG7NLeNDG84X5gMHnrQB5xBd6Zd+I/Eh8TeIbyzkt3f7KqSkAnnH8Q9q9p+A91rl14QlfWnkkh80/ZpJM5ZMnBrk9D+DE+p3viVfEVoqi8ZmtZu6n5sfzFdt8JLHxNoFhPofiG3HkWrkW04/iXNAHpNFFFABVTVhCdHuxdMywmFvMK9QuDnFW6q6kzppdy0cQlcRMVjP8Rx0oA5j4YR6JF4RC+G57iez85/nnYlt2eepNdjXLfD26u7vwyJNQ0tNMl81h5CdMZ69TXU0AFQXf+pH+9U9QXf+pH+9QBTooooA06KKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAqC+837DN9mZVl2HYW6A1PVXUxEdLuBcMUi8s72HUCgDE8DNrLaGx8Q3MFzc+a2HgYFduTjoTTPF+qTr5Gkaaf9MvW2nH8Kdz+WaqfDcaLb+FpW0C8murVZXLSTMSQcnI5JpfCkZ1jxFqWvy/MgkNvb57Be4+u6gDo9G0mDRtNjtbdcYGXb+83c/nV+iigAooooAKKjW4ibdtkU7fvc9KWOVJk3RMHX1BoAfRRRQAUUVHPcw2sfmXEixpnG5jgUASUUisHUMpyD0IpaACiooLuC5Li3lWQxnDbTnBqWgAooooAKKKKAOW8XabLF5eu6aMXlpywH8a9x/KtzSNSi1fS4byA/LIuSM9DVt0WSNkcZVhgg1xvhgtovirUdEkbEL/AL+3HoDxgfkaAO0ooooAKKKKACiiigAooooAKKKKACiiigArJ1/XI9Fs1IBluZjsghXq7VrVw/hs/wDCTeLL/Wp/mt7N/s9qh6DHU/mDQBf0jwq0tyNU8Qt9qvW+ZVPKxewFdSBgYHSiigAooooAKo6lrOn6RGr6ldR26t0MjAZ/Or1eH/tFyNHFoeyNpj9oH7lWI38HigD2LTta07V0LadeQ3AHXy3Bx+VXq+cfhxdyf274l1e0U6Y9tasF05mJ2sAecH/PFaafEjWG8F6BdLexm8utR8mZeM7dwFAHtlrren3uoTWVtcI9xD/rEB5Wr9fOo8Rz+GPEvi7V7Qb50iTaDyASqc1peAPFnjC48TWLXPmXOnXybpGkXAQ89P0oA94ooooAKKKKAOc1zwql1MNQ0lvsmox8rInG/wBjVjw9r39pLJaXi+TqFvxNGe/uPatuuN8axPo15ZeJLFcSQyrFcAdHjYhcn6ZJoA7KimQypPAksR3JIoZT6g0+gAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACq+oKzabcKkohYxsBIT90461Yqpq3lDR7v7QrNF5LbwvUjBzigDF8CW9zbeHQl5qiapJ5rHz0bcMenU10tcd8Mm0p/CQOhwTwW3nP8s5O7OeepNdjQAVBd/6kf71T1Bd/wCpH+9QBTooooA06KKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAqtqTFNNuGWLziEJEf972qzVe/Eh0+cQyiF9h2yHop9aAOC0HV5I/hvqF1PpA0llZlEIGM5OM9feum8D2J0/wXpsDcuIQXPqfWuOuhqUXwp1H+09Wi1WbzBiaJsgDeOOpr0TSAq6PahPuiMYoAuUUUUAFNf/Vn6U6kYblI9aAPky38ZanB4m1zw79qmhg1C/2PeE8RLgcD06frXqviLxBqvghtD8N+FBHdG5TAllOd3A561rx/BjRfseswTu8v9py+bvJ5jbjp+VWrb4XwJLo8t1fzzy6Uu2N2YkkYA5/KgDktO+Lus23hPWJNXtY21OyuPIQL90n5vf2qaD4g+KdJvH07W44Jrm8tPtNmY88c9Dz7GulPwk0mSz1i3nlkddUl80knlG55H503w18K4NI1U6hqmoTalOkZigMzZ8tPQZ+poA49fjjevb6IyWqMZGUajjP7kHHv9ao+NfGV94v+Hmr3cZ8m0g1BIreSM43jDjP6V29j8F9Es4daQM7DVc7sn/V9cY/OrA+EmmJ8PE8KRzSLbrN5xkB+Ynn/ABoA4bVPivq9vfto2gx4bTLZGckEmY8ccfWtef4o69rA0HSNDskttY1GAzTCbhYwACe/1rb1b4R282rLqeiX8un3bxCOd0P+sA+n4U7VPhNDf2+lyw6lcW+p6euwXiMQzrgAgn/PWgDy/wAH+NNV8I+E/FF3IRdarcauLaIM3yK5L8/TIrs9F+IHibT/ABRPpniT7NMkNgbvdCSc9eOtP1P4UQaF4A1ays4ZNWnvLkXOHf5g/wA3IPP96sn4afD3W5PFl9qviK3e3tHtfs6Ryyb2cH/9dAEOhfGTxFfalpV89j59hqdx5LQop/cAkANn8f0r3sHKgjuK8z0j4Rtol5DFZaxcLpcE4mS1LHjBBx9OK9NAwMCgAooooAK4vxX/AKD4w0PUF4HmGOTHcFT/AFNdpXF/ETiLTWX74ulx+dAHaUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBFdB2tJRH98odv1rkvhkyHw1KF++tzKH+u9q7KuH0pf+ES8Z3Wnyjy9P1RvNtm7K/dfxOTQB3FFFFABRRRQAVz/iXwnpXiWa0k1RQzWj748nof8AJroK+eviz4i1W2+JUGnQ399BatEW2We4sT9BQB62/wAPtFfxFJrMcWyeaPy5QvRxz1/OsW3+C3hi31AXSROWWbzkUtwrZzxXOfD/AMZ65/wr69u7i6S8ubeXYi3L7GQcfez9at+G/jQb1tTttUs91zYRGU/ZzuDjBPGPpQB2i/D/AEMXd9PJbhzfIEmDdwAB/SqGgfC7SfD+rLe2sszCP/VxM3ypXO+GPi5d6wLm+uoLddPhVmIWUeYuDjkdapaP8dPt2v20U9mPsF5JshKHLL9aAPZqKRGDoGHQjIpaACiiigArnPHxUeCb/f3TC/73b9a6OuK8VufEetWnhy0YmOORbi8deiBTuVfxK4xQB0XhpXXwrpSy/fFnEGz67BWnSIixxqiDCqMADsKWgAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACq+oGZdNuDbIrzCNtit0JxwDViqmqqr6Rdq8xgUwsDKP4Bg80AYvgSbWJ/DobxBaW9pd+a37u3+7jseprpa4/wCGdtb2nhMR2esvrEfnOftLtk5z069q7CgAqC7/ANSP96p6gu/9SP8AeoAp0UUUAadFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVT1byP7Iuvte4w+Wd+3rj2q5UF60qWMzW8YklCHYjdGPpQB5p4dtdC1H4XanH4WS6S2LsWFznduDZPUn0ruPB96uo+ENNul/wCWkCmqXg+bV9S8OzDxHpsGn3DMy+VBjaV5weCaq+CJf7Nu9R8Oy8NaSmSHPeM8AD8jQB2NFFFABRRRQBj+LNQn0rwnqF9aECaCEshI714rpfjj4hW/gi28ZXF5b3entKBNbGMAqvHIIHvXtninTptX8LX9ha482eIoufWvGNI+HHj+48KW/g/UpLS00eOUNJKoJeRQRx1Pp6d6AO71f4pjS9Hs9Rj0i6uraeATPLGo2oCAT3965jxf8abq3bw/deF7aWe01B/3g2AlvvDaPfiovFvwx8Qy6rDBpax32kpZi3jhmbAibCjd1HoarP8ACvxLZ+C9AjslhfUdKuDKYT91gd3HX/aoA7jXfibLodlDdTaBfGNo/MlJQfux371y/jL4oTN/wi+reHWleyvZcSwqoLvg424qv4p8DeM/EOsSX13BBcw3VoYxau3y2zkHkYPuPyquvwv8Uaf4Z8OJZJBLeaTcNM0bH5TlsgdaAO60P4pWeuaTqUttp919u04gS2bIBJ27Z96g0L4v6ZqWoX1hqdpPp13ZQNcPHKo5QAk459Aa5WD4beLbnR/EeqTTxWet6s6kRRfdCjb8v/jtVPDvwv8AEdp4nbWJ7C0twdOa3aHJIkcow+bnvmgDuPDPxWt/E9/i20u6TT2DFb1lGzCnBJ5qgnxy0M6xDA9rcJYXE/2eG9KjY7/nXM+Fvhbr6+LjdT20eiaaYWjnggbImyRyOTjpVPS/hPrmkXiabLoWn6hbx3XmxahITlFznpu6/hQB9BA5GR0opsaeXGq/3RinUAFFFFABXFeMz9r8SaHpy8mSYsfYAE/0rtSQASeBXFaMf7e8eXupYzb2K+TEexbqSPwNAHa0UUUAFFFFABRRRQAUUUUAFFFFABRRRQAVn61o1vrdg1vcDDDmOQfeRvUGtCigDjrHxJc6Bdppniv5FJ2wX2Pkk9AfQ116SLIgeNgykZBB61DfWFrqNs1vewrNGwwVYVyL+Gtc8OSGXwreia1zk2FzyB7KRjH4mgDtqK4y1+IMdvOLXxJp8+lz9y67k+uVyK6ay1nTtQjD2d7DKp6YcUAXa828VfC+81rxpD4i0zWTZTxJsCGFXH616T1ooA8jX4IEaDdW39uTi8urgTyzqoAY5Bxt6Y4qfRvg9caVrF1qY1jdPPb+SAIECjjGcdDXqtFAHklt8EQ2sS3moaszJJGUaGGJY1Oe5C4qfQfhFd6E9vFDqsclrBJvVXtULY9N2M16pRQAiLsjVfQYpaKq3Wp2NlGXurqGIL13OBQBaoJAGScCuPvviHZeb9m0O2m1W5P3VhUhf++jx+tVxo3ibxOQdeuhpti3JtLc/Ow9GPI/KgC5q3it7y5bSvC6i7vM7ZZR9yAe59a1tA0KLRbQjcZbmU7ppm+85qzpekWWj2q29hAsSKOw5NXaACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACqupsiaVdNLEZUETFox/EMdKtVXvxM2n3AtmVZjG2wt0BxxQBznw6uLK58LiTTdLfTIfNceQ4wc5611dc74Ji1iLw+F8Q3EM935jfPB93HauioAKgu/9SP96p6gu/8AUj/eoAp0UUUAadFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVV1Jd+mXCibyMxkebnGz3q1VTVWiTSblriMyRCMlkHVh6UAc38NrRrTw26Prv9tkzMftAfdjk8dTR4ts59M1K28R6cmZLc7bhcfejPBP4Ak1B8LLvSLvwu76Bpsun2wnYGOUnJOTk8k12ksSTRNHKoZHBDA9xQBFY3sOoWUV1bOHjlUMCKnri4TJ4I1Uwy7m0W6clZD/AMu7E9D7cn8q7JHWSNXjYMrDII70AOooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKz9Z1m10Swa5u3x2RB1duwFAFLxNrSafBHaRgvdXjeXEi9ee9XdE0i30bTUtrZdo+8xPUk1jeHtJuby/bXtbXFzIMQRHpCn+J4rqaACiqGsa5pmgWf2vWbyOzgzjzJDxmotF8TaN4ijaTQ9QhvUQ4YxEnFAGpRRRQAUUVTn1awtr6Oznuo0uZeUiJ5agC5RUc88VtA81w4jijUszN0AFZeheK9F8StONEv47vyG2yeXn5TQBsUUUUAFFFFABRRRQAUUUUAQXdlbX9uYL2COeJuqSLkGuZvPhtoM8nmWcc2nyD7v2STy1B+grraKAOE/4RHxXYsWsPE5lUfdiniJ/UtSeZ8R7aTmDT7mMdwwUmu8ooA4X/hI/GUX+t8Po+3722Xr+lH/AAm/iAdfCc4x1JlP/wATXdVneICR4eviCQfJbkHHagDlR4p8WXA322gR7D0/fZ/pSG5+I9ywMNpYW0Z7tIGI/CrnwzZm8IoXZmPmNyzEn7xrsKAODbwx4x1DDXniVbXnlIYv6hquWvw10hZBNqclzqM38X2iUshP+6a7CigCrYaZZaXD5OnWsVtH/diQKP0q1RRQAUUUUAFFFFABRRRQBleIvEumeFtKfUNZuBDCvT1Y+gHc1znhb4seHvFOpjT4GntLphujjuozGXHqM9a5X49W04Ph/UZYXm0yzvA92FGQq4bkj05FYXjPVtG8aeOfC8XgJorm5tpvNuJbVNoWPjgnA9DQB7358WGPmLhfvHPSsa58Z6JaeI4NDnvEW+nXciE8EfWvn/UvFqaZo/jXTr7VJ4dRkuT9liJO4j5/u/pTL3StJk8feFbnxBdTQQ3Fnuad3YZfLYGR9KAPplr22T788Y+rCpDNGGCl13NyBnrXyxq8ujyeIvFCarr1zBLbKDpsazON7ZbGADz2rdHiK80jWvB9/wCJ72e1t2tv3ruTtI+TGfwoA9z8QeLNI8M2S3WrXSxxM4QEc81p2t7b3lotzbSq8LLuDA8Yr5R1kx+IfB+rX89zcXMEeojY5JwqYHP619AeA7LRE+H6QaFeNdWrwEM/mMx5Xnk0AO074m6Rq3i6bQtPEkzW/Es4HyKfTPSuv8+IbcyL833eetfMOj6BFaeGfHF9prXC3kMsioQxzjLf4Vc/4S221bWfAlpZatJIYY2W+VGbjiT736UAfR4vrUvsFxGWzjG4Zo+3WofabiPd6bhXzZZDwxrHxck+x6/cadY2smSJZ5CbmTJ+6MkY4Hp1pl9/wi2rfFqOG21+50yxt5M3Eks8n+kPn7qjJ46+lAH0ytxCyF1kUqvUg8Cno6yIGRgynoQetfNWv3ur+GPE2peDbCS5uIvEMiNZzlzmNPlzj/vk19DaFpg0bQrTT1kaUW8QTe5yWwOpoA0KKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKp6v5P9jXf2mRoofJfe6nBUYOTVyqupkrpV0Vt/tLCJsQ/wDPTj7v40Act8LhpA8ID+wNTm1K185/387FmznkV2dcp8OpZ5vC4a58Pf8ACPv5rf6JjHf73411dABUF3/qR/vVPUF3/qR/vUAU6KKKANOiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKgvfPFjN9lCmbYdgboTU9VNVCHSbkSzGBPLO6UHBQetAGP4KbXm0Vj4nht4brzDtWDGNueOhNdHXG/DSOyj8PTDT9cl1pPPbdPK2Sp/u9TXZUAQ3dpBfWr291GskTjDK3euPL6n4ImwQ9/ojHjby9sP6j8O9dtSMqupVwGUjBB70AVtP1Oz1S1W4sJ0mjYZBU8j6jtVquQ1DwdNZXTah4TuPsVyTl7c/wCqk9sdB9aitvHjadILXxZZSafNnAlAzG/0bigDtKKq2OpWepQiWxuI509UbNWqACiiigAooooAKKKKACiiigAorG1fxXo2iKft97Grg48tSC35Vz7a34i8Uv5WgWp06xJw15cLhiPVVPX86ANzXvFVloqiFc3N7JxHbxfMxPvjp+NUdI8P3t/frq/ihg9wOYbQcpB/iff2q9oPhOx0Qmfm6vn5kupvmcn2J6D2rdoAKKKKAON+KtvY3Hw71MaisTKsLFPMOMNg4xXkemalJ4b/AGfoL3wvcrY30kxWSaE/N1brXu/iTwxpvizSzp+sxvJbk5Ko+3NYlp8K/C1locmkw2kgs5GDsjSZ5/yaAPNND8QeLNF8aHTNT8QTanHdaebhTJ/yzbB6flWNaeLvFkGnWWuv4tluXbUPIOnFgdybgOnXvXtl/wCCtHmke+tYlS+W3NvFIW4UYPH61yngX4LaXobLfa5GbrUUmaRG8zKDJyPloA5qH4hayv8AwmH23WDBJbwK9pG7BShKg/KD9a5q6g1TXvFPhO/vfEVxBc3cW7zy4G3luAce1e1618JvCWv6s+o6hYMZ3Xa2x9oI+n4VNqXwx8M6pYWNpc2sipYY8ho5NrL+IoAo/Euzn/4VNqMS6hKZI7clpw3MmFOc/WvKdMutS8EfDLw/d6bq0kYvrwCZ+gC/NwTX0Bc6FY3WgtpFyjSWjR+WwZskjGOtZV54C8Oap4XTQLi18zT4zlUDcqfr+NAHn8Hi7UdV+IevaaviIwabDZLIk0bgiE55INZXgK88Sazf6tez+O5pNEgR44ZJpVDsRn5wMZGOD0r0ex+E3hLTba6gtbF1W7jEcxMmSwBz1qvZfB7wdpZkW2t50EyGNozOcEEYPFAHn/gG58U+I/EWqPB41uLnSYVaO382Vd8rjuBjOMgjpVfQvH/ifxJfaP4Riv7iHWba8b+05u5iUZAJ98Yr1HQvhR4X8N6pHqOkW88U8f3AZiVH4VQ8G/D2fRfiB4g8T6kIfO1GT9ysePlXj9etAHoQGFA60tFFABRRRQAUUUUAFFFFABXOeMvEGl6Rod1FqV5HbvLCwQOcbuK6OvMvjl4LTxV4EnmijDXdmDJGQOcAZP8AKgCf4WeJ9GuNCisYL+F7lnYiMNz1NejV87/s1+Bfs0Vz4gv4f3m4xw7h0wef5V9EUAFFFFABRRRQAUUUUAFFFFABRRRQBHcW8N3A0NzGssbjDKwyDVDSvDmj6IznSdOgtS/3jGuM1p0UAYV5pHhqXVs3trZNfSr/AB43sPpTn0rw94gt0Rre0vI7VtqYw3ln8K818YEj9oLQDk/8e7HGeDylc7p3jvVNH8D6jd6Ja21tcvqphAwNp46nigD0vSfhTo9h4r1DWruNLtrogpHIuRFgk8fnXW32h6ZqUccd/ZQzpH9wOudteQad8SPFeha3q1h4qW2uXgszcw+RjA4Ygcf7tZ2mfEPxuuoaJeahdWb2Orz7VhjUbkXP/wBegD25dA0pLOS1SwgEEv34wvDUyxg0XRNul2C29puGVt0YAn8K8tj+JmuNY+K5S0IbS3UQDA77Ov8A30apW/iu6vvFmi3c1lDNeT6eZdwABLbScDj1oA9ni0qwgSZYrWJFm5kAH3vrWdDoPhmyRrmCyso1jJLSLjC/j+NeQaN8Q/FGr69c2Wqahb6ZO7ukVlNGFJAOAQx6/lWV4Fm8SQ+EfFF5e3kd5p8RYGCQ7iWyPXtQB7nbeGvDN0UvbXTrOXJ3LKgzn3zUsnhDw/LMJpNJtmkBzuKc5ryCx8b67JoHhzw94SitrK9voPNaSTG1BgHAH51614QTXotFEfimaCa9ViC8GMEZ4oAzbnwDBffEC18S3lwZPscXl20GOI+vP6muwoooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKraksr6ZcrbzCCUxMElPRDjg/hVmqmq+R/ZF39s3eR5LeZt67cc/pQBhfD+11a08MiPXtbj1q681j9pjbIxngfhXUVx/wAMxoI8Jj/hFhOLHzn/ANeSW3Z5rsKACoLv/Uj/AHqnqC7/ANSP96gCnRRRQBp0UUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABVXUiBplwXh89fLOY/73tVqq+oCU6fP9mcJLsOxj0BoA5n4cywS+HpGttEbRl85swN/Fyeeprrq5bwAmspoLjxDfR3tx5rbZI2BAXJwOCa6mgAooooAKhubO2vIyl1BHMpGMOoNTUUAcdffDy1Ev2jQrufTJhyBGxKsfcGqpuvHOi4jktYNWjHWRCQ2P0ru6KAOHj+JCwy+VqejXtqw+8xUFR+taEXxF8MyMFbUURz/AAspyP0rpnijkUh0VgeoIrOm8OaPOxM2nQOT1JWgCFPF2huoK6jDg9OTU0niTSIkDPfwgHp81UZfBHh07nbTIemelcF8N/Cekaje65PdWglRbtkjDnIUBmGB+VAHoM/jTw/brmXUogPx/wAKzpviVoATNnO14392JTn9a0ofBnh+A/JpkH4rV+30fT7Q5trOKM/7K0Acj/wnerakpGheHbl37GcAD9DR/Y/i/wAQ4/tW/TS7Z/vw2/LfmR/Wu6CgdAB+FLQBzmkeBtH0lllMJurnGGmuCWLfgeK6JVVFCooVR0AGAKWigAooooAKKKKACq2okrptwVOCEOCO1WaiuoftFrJCDjepGfSgD540zxDcReCbmbUri6nP9qbEKNyB8vv0rqdW+L2r6bqdxpmjaA18LK3EskhbouD159quJ8HZh4ck006guXvftO7afbj9K0ofhjLDrGqXovhi+tfs+3b93gjP60AZl38Y530fSDo+km51PUiQLcnAQg4PeoLP4zah/ZmqyajoohutNlWN4g3UkqPX3rJ8XeB38LeHtLa3e7lv7SRmjuLRCcZJPIANVfAHw71fX/D2vtrjS276k4eGSYfNkbTkj8KAO3uPiU8utWWktYFVv7E3BkB5T5c46+9cjo/xOXwz4IlvLa1nupZr54l845C/M3JOenFbHh74Ra1Y65b6jrOureG3tmt0XaRgEYFTQ/CjVNO8Ly6ZYahbyGS4eV1mjJVgzE4xn3oA5jx18RfFVx4Isr6xiitna7VTJbvkNyMLz9a2NS8SX7eJPB48QW0tpeTliyRP8uBt5PPvT7f4FtF4NudNOpBbua4FyjKD5cbDGAB/wGtc/DfWNT1Hw9qGuanFNcaUWEmxCBIp28dfagCDT/id4h1/Wpz4d8Om60i2uPIkuS3JxwSOfUV6mpJQEjBI5HpXldj8M/Enh/XZR4b8QLbaPcXBmkt2UlgSckA59Sa9UUEIATkgcn1oAWiiigAqCe9trX/j4njj/wB5sVk+KPEB0a1jitE86/uW2QRDnn1PsKyLfwBDqWLvxVK19eNyRn5E9gKAOl/tzS/+f6H/AL6o/tzS/wDn+h/76rD/AOFbeGf+getH/CtvDP8A0D1oA3P7c0v/AJ/of++qP7c0v/n+h/76rD/4Vt4Z/wCgetH/AArbwz/0D1oA3P7c0v8A5/of++qZLrGkTxNFLeQMjjDKW6isb/hW3hn/AKB60f8ACtvDP/QPWgDTsbzQdNt/Isbi3hjznarcVZ/tzS/+f6H/AL6rD/4Vt4Z/6B60f8K28M/9A9aANz+3NL/5/of++qP7c0v/AJ/of++qw/8AhW3hn/oHrR/wrbwz/wBA9aANz+3NL/5/of8Avqj+3NL/AOf6H/vqsP8A4Vt4Z/6B60f8K28M/wDQPWgDoIdVsLhtsN3E7egardchN8NNB2h7KJrS4XmOaI4Kmn6Fqt/pmsf2Br8glkK7ra6xgSj0PvxQB1lFFFABRRRQAUUUUAczqfgbTtU8YWniKd5BdWqFEA6YOP8ACsZPhBoiaPJpwmm8qS7+1E991X7v4g2dh44/4Ry8geKRoDMkzHCsBjj9ayj8VGm8PNqtjo80sfnGNQ0gXcBnnJ+lAGjffDzTf7YutbSNri6ktDb+S33WGGH/ALNXleh/CrX5vGljczWL6bYWdwZQJHJGN2fl5Nd1Y/GrTLvwve6q1nKkli+2aDOSDnHXFZms/Ez+2PDtpfxR32kxyTqFbkGTOfagDU1X4H6Jqur3V8b66gF3gzQxn5XIx/gK1k+F+kR3lpcJNKslpB5EZB6DGM/rWPr3xbPhiWJLvSpZLYKu6480ZOcc4696wPE/xG1O08e6XdaR593p1za+aLSPq3BNAHU2Hwf0238SR6vqN/PfSQMWhWRVG3Jz1FOtfhDp1nd6mbfULlLPUVxLajG0HI5H5Vy3in4nXWu+CbbUtAabTp1v1gmiY/MOWBH6Vq6p8arLRXFrHayXrWsam7kVwNpOOx69RQBr6j8IdHvNB0+wt7me1m05dsF1EfnAwB/Sul8K+HF8MaOtiL2e9O4s005yxJOa4zV/jTptp9gj02zku5r2ISqpbYACM9TxXdeHtXbXNHivXt2t2frGxzigDUooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKrak0iaZctDEJpBExWM/xHHSrNVtSBOl3IWbyD5TYl/ucdfwoAwPh/c6jdeGRJq+lR6Xceaw8iMYGM8Guorl/h/HNH4ZAuNaXWm81v9JU579PwrqKACoLv/Uj/eqeoLv/AFI/3qAKdFFFAGnRRRQAV4f8QPid418J+N4dIttNgeG+YC0Ytyw79vWvcK+bvjX4ksZ/it4e8oyMNMb/AEghThcnP9aAPYZPHun+HbCwi8ZXkNlqNxFuaPcMZ/SrXh/4g+HfE73K6PqEc7W2TIARkD1/SvIPil9l8QfEjwdMsRubK4RT0OCOal8P6dDpXx91620+3+z2v2FvkUHbnBoA9Fm+MvgqBmV9YiysnlsMjhvzrb1HxvoOlWFleXl/GkF8wWB8jDk+lfMXhnUPDVt4I8X22rWqz6nNeuLYbSW6npWz4n07UNP+DPhGXUIJT9nulkcEZKLkUAfQ1z4z0S11iHS5rxFu54/MjjyMsvr+teeeG/jlaal8QL/Q9S8uC3jfZbyA8u3H/wBeuPh1208T/G/w5dadHI0EdssbsynGcLUvg5dH0f4669HrlokYmb/Rd6HG75en60AfRYIZQR0NLSKQVBXpjiloAKKQsF6kD60gdD0ZfzoAdRRRQAVyPxK8ZSeBfCL6xDbi4dZFjCE465/wrrq82+O2lX2sfDWW10y2e5m89GMadSBnNACeC/iBruuXDza1p0Fpp6QeaZVkyRyOvA9a6K2+I/ha8hmlttVhdIU3yMGHyj868x8FWsA0bUbCy8P31leSaeVaSZsqzZHA+Y1Dpfgm5s/2e7qKLSmj1mZAHH8bDI9/rQB6vB8QvDNzplzqEOqQtbWoUyybhgZBI/lTtH8eeHtcs7q50/UI5EtRum5GUHr+teXeIfAtzF8IdEfStLPn25t5r20U/NNtX5s8/X86h0jS7/WfEHiDWrDR5bCxbSxbrERjzpPl7Z9v0oA9b0PxvoHiO6+z6NqEdzJt34RgeP8AIrV1Pyjpdx9pYpF5Z3sOoFcH8F/C8eieArCW6077LqTR4lLfePHeu+1AsunTlIvOYIcRn+L2oA5b4Zpo0fhpx4eu5ru285svK2Tuycjqa7GuU+Hs1xN4fdrvR00l/NbEKdxk89TXV0AFFFJkeooAWikyPUUZHqKAFopMj1FGR6igBaKTI9RRkeooAwPFfi/RvCtju1u8S1EysIy5A3HHT9a4n4M+JNHudNu4Ir6J7u5vJZFj3DJUu2D+oq78cvC6+Jvhzc+Wge4tP3seOoA5P6CuD/Zw+Hj2du/iXVUZJmJSBGOMDPJx+AoA+haKTI9RRkeooAWikyPUUZHqKAFopMj1FGR6igBaKMj1ooAKKKKACkdtiFj0AzS0EZGDQBy0HxD0Ce0v5xdALYPsnB6qeP8AEVR1b4qaHo8ME1z5vlTIJA4TgL615/4r+G+ty/EgnSEI0fUZFku8dODn+go+IPhjxLc67JYW1o8+k/ZfKt1iReDgjnP4UAejaj8TvDGnaVZahdXq/Zr3/VNwc1mt47F34ssYrC8iFjNEX8tsbmAz0/KuBh+HuttpnhS3uLHelncFp0bkBcmun8TeEdWl+ItrqGkWypDDaFFIGAGw3+NAHRWvxX8PXHiBNJkleCeV9kXmLgOc44rk7L4yrpni/W7LxKwS1tZQsLIvQY6muPi8GeK9T8SaVdahYzGe1vt8spVQu3cOmPpVzU/DXiKx1LxPbxaF9sGtbUimIB8vgc9fagDvdY+IVzH4/wBBstMeOTS9QgMrSewDHP6VpJ8W/DD68mmC7+aSXyUl42M+cYzn1riX+HmtQap4bt1QtHa2DwzS/wBxir/4iuZ0n4falpmoQ6Tqek3V08V8JorhNuwDdnOc5oA9f1H4reHbDWm00TNPNGQJTEMhCfWu0ikWaJZE5VhkV85+IvCPiB/FcjeHNLnsrySVN8hCtHIAMZOcmvoXTo5otNt0uiDMqAOR0zQBZooooA4eyxqfxYvjPz/Z9qvlDsCWIJ/Wu4rhvD//ACVjxB/17J/6Ga7mgAooooAKj+0RA48xc/Wq2suyaLdshKsImII7cV8p+FdXTUdZuk1vXtUWf7WyxrEMrjJ9qAPrkHI4orznSfH7J4xufCwt2dbGz84TseXwG/wqlZfFHVtY8M3mo6RoxmltbhomjJA4BIz19qAPU6K8g8H/ABb13xX/AGgsHh9w9oDzngt6daq6N8ZPEGpeKpNDfw66zxqxkKnIXAPXn2oA9poryj/hc6J4R1HUZrErfWdybcWufmc5I459q9H0K+m1PQ7W8uYfJkmjDmM/w5oA0KKKKACuN+JUZj0S0v4TsuLW8iKOOoBdQw/EV2Vcj8S/+RQP/XzD/wCjBQB1UEvnW8cvTeob8xUlV9P/AOQbbf8AXJf5VYoAKKKKACiiigDzX4rfDi/8ZfZLvQrhbW+gO0yFtuVPUZ/AVR8VfDPWLnw/oNjoNwFTTv8AXwmQosxO7OfXk16xRQB4hZfB7WotH1qCR7eKTUJFdERsquDnFdP4l+H2oax4Q0bS4JIhLYtGZCTwdowa9IooA8K1v4Q+J9R1C/Uzw3VvcqvltNN/qsbeg/D9a0Lv4a+KLC70q+0WS2e4sbTyGWR8AnGPSvZaKAPGf+FSaw3hEWzzQnUZr8Xc53fKOWOB/wB9VW1H4RarYa/cX2k29tqEV6qiWO4k27CAPY56V7fRQB4v4o+Gmu6np1pa29jYny4ggkSTy2iOOxA5FeieAvDt54X8KW+m6leNdzpy0jNnHtmukooAKKKKACik3qDgsPzpN6Dqy/nQA6im+Yn99fzo8xP76/nQA6im+Yn99fzo8xP76/nQA6im+Yn99fzo8xP76/nQA6im+Yn99fzo8xP76/nQA6im+Yn99fzo8xP76/nQA6im+Yn99fzo8xP76/nQA6im+Yn99fzo8xP76/nQA6im+Yn99fzo8xP76/nQA6qereT/AGPd/aUaSHyX3ovVhg5Aq2CD0IP0qC/Mo0+4NuFMvltsDdCccUAcr8L20dvCAPh6wuLG085/3VwDuznk812Vc74JfVpPD4OvRQRXXmN8sGNuO1dFQAVBd/6kf71T1Bd/6kf71AFOiiigDTooooAKx7nwnoV5cvcXWmW8sshyzsmSa2KKAM86DpZa3Jsoc2wxD8v3PpTbjQ7KSS4uIbeNLueMoZgPmPFaVFAHmXw9+EVn4YTUW1qG3v5rm7M8TsnKDnj9a9Du9Msr+z+y3ltHLB/zzYZFWqKAMu18NaPZTRy2unQRSRfcZUwRSXfhnR76/S9utPhkuYzlZGXkVq0UAAGBgVzuveKV06X7Hp8LXl83SNOQv1qx4o1n+x9KLRc3Ex8uJfUnj+tM8NaEunWguLkeZez/ADyyNyQT2oAwf+Ee8Va2DJqeq/YlblY4eo/Wmp4D1i3PmW/iO4aRfuhySK72igDh4Nb1/wAOTLH4jiFzbMf+PmEfd+o5rsrW6hvbZJ7Zw8bjIINPmhjuIWimRXRhgqwyDXHWzN4S8Tx2LMTp18cxEn7jf3f0NAHaUUUUAGB6UUUUAFGAOgoooAKraiHOnTiOUQtsOJD/AA+9Waqap5X9lXP2hS0XlncF6kUAc/8AD5LtNCkF/rEerv5zYmjOQoz06muqd1jjZ3OFUZJrjfhgdHbw1I2gW01tbmZtyTZzuya6HxE7R+Hb50OCIHI/75NAHMTanrvim7lXw7ItpYwsY2mccuRwccj0o/4RjxV/0Hf0P+NaHw5/5Eu1bHLMxPuc11NAHDf8Ix4q/wCg5+h/xo/4RjxV/wBBz9D/AI13NFAHDf8ACMeKv+g5+h/xo/4RjxV/0HP0P+NdzRQBw3/CMeKv+g5+h/xo/wCEY8Vf9Bz9D/jXc0UAcFN4S8TXELwza0GjcFWUg8g/jSW3g/xJaW6wW2sLHEgwqqp4/Wu+ooA4b/hGPFX/AEHP0P8AjR/wjHir/oOfof8AGu5ooA4b/hGPFX/Qc/Q/40f8Ix4q/wCg5+h/xruaKAOG/wCEY8Vf9Bz9D/jR/wAIx4q/6Dn6H/Gu5ooA4X/hGvFa8prgLDpkH/Grmi65qdhq0ejeJtpnlXdDcL91/b6111cV46G3VtDkXhxdAA/UrQB2tFA6CigAooooAKKKKACiiigAooooAKKK5Px7rmpaNZ2S6MENzc3KRLv6ckD+tAHWUVxMfi7WdJIXxHpLhB964gGV/kK3tL8VaPq4X7HeIXbpGxw35UAbFFFFAHDeH/8AkrHiD/r2T/0M13NcN4f/AOSseIP+vZP/AEM13NABRVPVdQXS9LnvHRpFhXcVUZJrhvCfxh0rxbrbabY2twsiZ8wsmAn1oA7vUrdrvTLiCPhpIyo/EVwHwu+HkvhWzvk1mKCaSa5aVGxkgEmvQjfWoIBnQEnA56muS8a/ErTfB11bWciNc3lycRwp1NAHI+Kvh74pX4iXGv8AhSeFVvYDDKJP4Rz7j1rPg+GnjPTPh9e6Rp17HHeXk5eWRTjgk57+9ew2esQzaXb3d5i1M6ghJDgj2q61xCqqzSKA33TnrQB494T8KePdA8MXekxfZYCyERzLjcWPc8/Wq3w98D+OfCmstJe/ZrhLl91zcMQXYfnXtJuYRGzmVdq/eOelJFeW88JlhmR0HVlPFAHzrf8AhJdW/aGFnZCT7AjC4uFAITeDn/Gvo6KNYoUjQYVVAFUIItJivzPAtutzN1cAbm/GrlxdwWqhriVY1PQscUAS0VC13bpb+e8yCL++TxToZ4riMSQSLIh6MpyKAJK5H4l/8igf+vmH/wBGCuurkfiX/wAigf8Ar5h/9GCgDptP/wCQbbf9cl/lViq+n/8AINtv+uS/yqxQAUUUUAFFFFABRRRQAUUUUAFFFcFqfifxEPGlxpujWsU9vbxhnVj8x69OPagDvaK5C18f20Ugg121m06Y8fOvy/ma6az1C01CLzLK4SZPVDmgCzRRRQAVzPijW7yC5t9I0Vc6hdZIYj5UUdSa6auS+3Sn4o/YyqGNbUMG2jcDg96AKSeBtYlnS4uvENxvzuZVJA+lSX3gXUbu9eaPxBcxK3RFY4FdtRQBwP8AwrzU/wDoZbv/AL6NH/CvNT/6GW7/AO+jXfUUAcD/AMK81P8A6GW7/wC+jR/wrzU/+hlu/wDvo131FAHA/wDCvNT/AOhlu/8Avo0f8K81P/oZbv8A76Nd9RQBwP8AwrzU/wDoZbv/AL6NH/CvNT/6GW7/AO+jXfZozQBwP/CvNT/6GW7/AO+jR/wrzU/+hlu/++jXfUUAcD/wrzU/+hlu/wDvo0f8K81P/oZbv/vo13juqDLsFHvUNxqFpaNGLm4jiMhwgZsbj7UAcT/wrzU/+hlu/wDvo0f8K81P/oZbv/vo13wORkUUAcD/AMK81P8A6GW7/wC+jR/wrzU/+hlu/wDvo131FAHATJrfgjy7u4vm1DTdwE+/O5B612N+8V1oNw/m+XFJAx8wfwgjrWN8SePhvrWP+ff+oq1YPjwLGzRmYC0JKf3uDxQBm/DS2trTwmI7LUn1GPznPnOcnOeldfXI/Da4jufCgeHS20xfOceQwx36111ABUF3/qR/vVPUF3/qR/vUAU6KKKANOiiigCOa5htwDPKkYPTe2M1F/aVl/wA/cP8A38FYvi/wda+L4LaK7nmhFuzFTE2M5x/hXL/8KW0r/n/vP+/v/wBagD0L+0rL/n7h/wC/go/tKy/5+4f+/grz3/hS2lf8/wDef9/f/rUf8KW0r/n/ALz/AL+//WoA9C/tKy/5+4f+/go/tKy/5+4f+/grz3/hS2lf8/8Aef8Af3/61H/CltK/5/7z/v7/APWoA7y61iyt7SWYXULeWpbG8c1xfhT4zeG/Et5LZPcLaXUchTZIeGwe1UL74MaYlhOUvrxmCHA8zqcfSvI/CP7POs6rrUl3qkpsrRJiV5+dhmgD3bVHXWPiBYWyuHhgQycHIJwf8K7ivOdJ0mPwx46s7MSO8bQbEaQ5JxmvRqACorq6hsrZ7i6kEcUYyzHoBUteTfF7WvFNtpeoWunaakumtAd8xPI60Aeo2N/balaJc2UqzQv9116Gue+IVsH8LyXq/wCtsWEyH3zj+teefBfXPFcmi6bZzaYi6UE4nB57V6P8QZFXwLqMbdZYwij1O4UAaWnaxZz6bBK13DlkBPzirP8Aadj/AM/cP/fYrgtL+E+kNpduZJbgMUBPz/8A1qt/8Km0b/ntc/8Afz/61AHZf2nY/wDP3D/32KP7Tsf+fuH/AL7Fcb/wqbRv+e1z/wB/P/rUf8Km0b/ntc/9/P8A61AHZf2lY/8AP3D/AN9il/tKy/5+4f8Av4K4S5+DukTsCt3dpj0k6/pUH/CltK/5/wC8/wC/v/1qAPQv7Ssf+fuH/v4KivL6L7BK1vNC77DtBcYJrgv+FLaV/wA/95/39/8ArVJP8KbGCxfOrXkcaKfmMn3RQBHF47m8KeA5dX8Q2kETxzEGKAj7uevWtGHx/oHjDwbeT6VfRl2tnJiY4ZflNeXeI/hqmofDef8A4R7VrjWZ2l2r8+RnPSqvhH4BXuh6Ldatrl88MwgZhDCcfwnrQB7b8Of+RIs/q3866iuW+HPHgeyH90EV1NAHknxk8a6x4Y1LSrXSbtLRLqTbJKwztHFTaN45fQNAbUdc1ddWjklEatEpG0nPqB6VZ+JPgO88W+JtFuYkjktLWXdMj9xxUvxA+Hn9o+C/sXheCG1uIpBKqBcBiM/40Aa7fESwGuPpUcMj3KwCcKO49Kw9N+M1nqOuyaSmlXS3calmQgcYB9/auf0Dwb41j8STa7qfkLdC08mEL0B/Oo/B3hvx5omp315e21rNeXSsTdNgsDg47+tAHS6f8YLPVPER0H+zrq3uip5YDC4PU/nXFeIPifqmk+EJDpdxJd3FxdmETEf6v2rS8GeFfGuneKLq61u3t5zeFvMuTgsozwBz6VXk+FWvHw7HZqY/MXUvtB/3fzoA1fDnie9tvEel2us6pLuayM8scgHQKSSePauh0n4r2mta6LOw065ktS5jF2B8hIOKzte+H+o6v8QIdQ3Ktm2mtayHuCVYf1rN8JeHPHHhlW8OQpbf2aHcpd4+YZbI7+9AG0/xjsbTxFFpmpWE1sJ5DHFKxGGOM9j7Vi6D8VdV1D4ka9oV1Yy/ZbfcInUD91jdyfyrmJ/hX4tv77TzfhJZbO/857hmBLr+fvXYweE/EejfFTW9Rs4o5tO1mMqzE8ofm/8AiqAKel/FQaL4Smunkk1a+n1B7e2h6Enewx29K2fDfxXn1DUdQ0vXdKbTdRtLczpETxKoGeOTXIR/CHXrXw2lxaPGurWOpvd24b7rKXZsdfcVraF4F8Tax4o1HxN4pEMVz9ja3tIY+xIxk8+5oApxftCXMml2mrN4ckXTJZxDLc5GEJIH973r2uzuUvLGC6i+5NGsi/QjI/nXiJ+FmvH4Bx+FP3f29b5ZjzxtDKfX2r2fRrZ7LQrC1l/1kFtHG2PUKAf5UAXa4L4mSNCumyIcMs2QffIrva4D4oAtDp4UZJl4H4igCj4Z8K3WvaKNQudau1kllkyFIwAGI9K1v+FeS/8AQcvPzH+FUvBXjDR9N8Mx2t7O0U0csm5Sh4+c1v8A/Cf+Hv8An8P/AHwaAM3/AIV5L/0HLz8x/hR/wryX/oOXn5j/AArS/wCE/wDD3/P4f++DR/wn/h7/AJ/D/wB8GgDN/wCFeS/9By8/Mf4Uf8K8l/6Dl5+Y/wAK0v8AhP8Aw9/z+H/vg0f8J/4e/wCfw/8AfBoAzf8AhXkv/QcvPzH+FH/CvJf+g5efmP8ACtL/AIT/AMPf8/h/74NH/Cf+Hv8An8P/AHwaAM3/AIV5L/0HLz8x/hR/wryX/oOXn5j/AArS/wCE/wDD3/P4f++DR/wn/h7/AJ/D/wB8GgDN/wCFeS/9By8/Mf4UsHw4hGpWt1ealc3X2VxIiORjIOfT2rR/4T/w9/z+H/vg1LbeONBu7uK2hvB5spwgYYyaAN5o0ddrorD0IzWFqfgvSNSy/kfZ5j/y1iJBH9K36p32rWOnRs95dRRBeoZxn8qAOT/sDxNoPz6Pqf26BelvP1P4gf1qW38eS2swg8QaXNZsPvSgZQfqTRdfEGKaU2+hWM97KfusEIQ/jjFVZNH8VeJVxqtxFZ2cnWFBlh+OaAIvCGo2mqfE3XrmwnWaI2yDcvruNehV5h8O/D1p4Z+IWv2NjkqYEdie53f/AFq9PoAr380MFhNJdMqxKhLFugFeB/CrUNPPiPxx5E0XmSF2g2jkjHUV75fWMGpWUtpeJ5kMq7XU9xXNaT8MfCmiXhutN0yOGZlKlgByD17e9AHz5Dpt3cfDzWPEz6tdi7sr5hEm7gYY/wCFbGu6PFrvj7wVPfTSmS8twZDnuP8A9Ve8L4H0BdHuNLWwQWlw5eSPAwxPf9akbwhoZu7K5NnH51iu23bj5BQB8/eJZdX1b4kajo00zRwWkW22WR9oHX5qd4hk1u18BaHp93qzPK9+I/PhbopbGK9417wF4e8R3IudUsVknAx5gwDj60g8AeHRp9vZf2ehgtpBJGpA4b1oA8Y+I9nqfg/S9H03Try5ltr9laeV265B4zS+HrPWNFi15/7RU2clmWjt0csUODzXuuraBpOv2AsdSt47iFQAFODtrM0z4deG9ISdbOxAFwmyTdg5X06UAfPaafdWHg/w/wCJU1a6N3NfBGDNxt3dK6PUZl8U/FGXTvFurTWGnRWytAoO0OcLzn8TXtLeB9AfSoNOawQ2tu++OPAwp9ai134f+HPEZibVdPjleFdqNgZAoA8N8b3N1Z6xoPh3SNQkutDaLKzlsCRsHgnj0Fdv8G7LV9L1jVLS+v0ntCQ8MKvu8vOe9d3P8P8Aw5c6JBpMunRm0t/9UuBlaseHvB2i+FzIdHtRE0n32OMmgDdriPi7d/YPh3d3YXc0MsTAep3iu3rgPjb/AMkr1D/rpF/6GKAGaTqXjS70WyuILO3EctujrknoVB9at/avHP8Az5235n/Gug8J/wDIm6P/ANeMP/oArXoA4j7V45/587b8z/jR9q8c/wDPnbfmf8a7eigDiPtXjn/nztvzP+NH2rxz/wA+dt+Z/wAa7eigDiPtXjn/AJ87b8z/AI0favHP/Pnbfmf8a7eigDiPtXjn/nztvzP+NH2rxz/z5235n/Gu3ooA4j7V44/587b8z/jTvC+h6ynii81jWxHG0yhVjTt1/wAa7WigCvdafaXsZS6t45VPXcK5m98AWpk87R7qbT5Ryojb5c/jmuuooA4f7X4u8PcXMC6tbr1kXhv6Voad480y7cRXoksJz/yzmH9RXUVm6roulalC39p28TKRy74GPxoAuw3MFygaCVJFPQqc1xw/5LA3/XmP5NWHq0GmeHpmPh7WZo5kHy20Tb1J+gqj4E1jXNX+Jksmv2vkstqBG2MbxhucUAewV5/8adWvtG+HV1daXO1vOGUB16jLAV6BXJ/EjwlP408Hz6RaTLBLIQVdhwMEH+lAHliX/inwFY+G9em1p9Ts9VeOO4t5cZUuQMjAH96uk8SfG9NK1S6g02w+1w2Kq1w/fkZwOaZpfwo169vNITxdq63Wn6TtaC2jGAWXGCeT6Co9Y+EWoQeJ77UPD72zW9+QZIp1ztOOo5FAHPeOvGGveIfH3hmz0YTQadeRCcKhAMnLZz+X6V2dv8WVh0jxDIbFidAk8lsn/WEEjPX2q2vw6vD4w8Oay10gXSrcxSRqOGJ3dOf9quX1n4N+ILjVvEA0vVkh07WpfOkjYc5yTjr70AbHib4u6joWjWGqwaGbi0u4Vk3A8gkA4AzT9d+Kus6N4csdXbw6xiuE3OrHBT2+9Wb4g+FXie/l0VLDVo0tNLhVRA4yrMAOSM/WrHi34d+MPE0Gmq+sRJ9kwzx4+VyOnGfpQBX1Hx1caonh3Ubq1nsJruQlLYHGfu4zz71ymkeItf1nxH4j1DVJriO0scqFQjCf5xXod38PNZ1eTQ7nVL2I3Gmybm2LgEccDn2pdP8Ahld2dj4kga7UnV2yhx939aAMq1+J7aP4Z0m20yzl1PUb0ExxMecc9eR6Vral8Rtb07QYbu40RIbls74ZG6Y9PmrLn+EmrWthpFxo2orDqumgqJCPlYc+/vSa18M/FWuXNjqF/q0c11CCskRH7sg47ZoA5fx58StS8W/DhNQ0FWs3iuRHOAeQef8ACtLWNb1C30nwn/wklost1PMApVjwMdTzV+3+Ct6ngPUNGe9QXNxcefG6jhTz7+9X7r4a6/rGn6EmrX8TT6XKGLKPvKPxoAq618SfEN34m1DSfCVlHImkxeZcO5+9jPA59jVfUPjXenwbpup6bYK93PcfZ5YSejAkevtV7XPhdrkPiTUNU8J6klqNTj8u5Rx9eRyPU0yX4LyR+G9I060u1EtpdfaZ5CPvtkk/zoAm8H/EjXbrx8/hzxNYJbySRCWIqeg/P2r1iuAPw+uT8UYPFBuV8qK3ERjxz3/xrv6AOX+JP/JN9b/69/6irulCVvBMAt2CSm1wjN0BxxVL4k/8k31v/r3/AKirNl5P/CAp9pLLD9jO8r1A2nOKAGeCIdUg8PhNbuobq58xvnhxtx26V0VcX8LBo48Hj/hH5rma085/muQQ2c89QK7SgAqC7/1I/wB6p6gu/wDUj/eoAp0UUUAadFFFABRRRQAUUUUAFFFFABQAB0GKKKAOU8a6dKY7bVrNcz2ThiB3Xv8Apmug0vUItT06G7gYFZFBOOx9KtOiyIUcAqwwQe9cbdWOp+FLqS90WM3djId0lp3X3WgDs6q6lp1vqunzWV4u+GZdrj1FY2n+OdGvQElnNrOPvRTKQVP1xirs/inRbeIyS6hCFHoc/oKALGj6Ra6HpcVhYJsgiGFX0rmfETnxF4kstHtTugtX865YdAem39QaS48WXmvymy8L28hRuGvXXCqPYHnP4Vv6DoUOi2hUHzJ5DullbqxoA1UUIgVeABgUtFFABRRRQAUUUUAFVdUZF0u5aSMyoIzlB1b2q1Ve+ExsJhbMqy7DsLdAaAOU+Gk1jc+G5Dp+lSabGszAxSDknJ5rf8S/8izqH/Xu/wD6Caz/AARHrMWjOPEFxbz3Hmna0HTbmtvULUXunT2x6Sxsv5jFAGB8Of8AkSLP6t/OuorhvCGs22g2smh6u4tZoJW8suDh1J4OenTFdN/wkekf9BCD/vugDTorM/4SPR/+ghB/33R/wkej/wDQQg/77oA06KzP+Ej0f/oIQf8AfdH/AAkej/8AQQg/77oA06KzP+Ej0f8A6CEH/fdH/CR6P/0EIP8AvugDTorM/wCEj0f/AKCEH/fdH/CR6P8A9BCD/vugDTorM/4SPR/+ghB/33R/wkej/wDQQg/77oA06KzP+Ej0f/oIQf8AfdH/AAkej/8AQQg/77oA06KzP+Ej0f8A6CEH/fdH/CR6P/0EIP8AvugDTrivHozqGigjI+1L/wChLXRf8JHo/wD0EIP++65jULmPxb4rsIdMJktbFzLNNghc8YA/KgDpm8OaTIxdrCEs3JOwc0n/AAjOj/8APhD/AN8CtWigDK/4RnR/+fCH/vgUf8Izo/8Az4Q/98CtWigDK/4RnR/+fCH/AL4FH/CM6P8A8+EP/fArVooAyv8AhGdH/wCfCH/vgUf8Izo//PhD/wB8CtWigDK/4RnR/wDnwh/74FH/AAjOj/8APhD/AN8CtWigDK/4RnR/+fCH/vgVyPj/AEJbKDTL3RNKWaa2u0cpEuCRuBPSvQ6QgN1AP1oA4XzfGPiDAWOPSrVxg93H5irdh8PbJJVuNWuJr+f+IyOdp/DOK7Dp0ooAr2un2ljGI7W3jiUdNqgVYoooA4bw/wD8lY8Qf9eyf+hmu5rh/D4x8WNf/wCvZP8A0M13FABRRRQAV84+I/EN/d/FHVtOvPEraTa20e+L5sBjgcfrX0dXiN18JZ9f+I2t3ms26myuodsEmeVbjn9DQA74f/EbVrLwJqWqeIw91b2kuy3nIx5oyBn9a7C5+KFnbf2JutmP9rgFP9nOP8a4jS/Avilfh/qfhC9ijMcJ3Wk4/jAwQD+VZ9h4P8c6lqHh0apYwQ22ksFJXqwGOevtQBs+DPFk9l4y8VXOsXjmys/mVWPC8Lx+taOn/HSxudUtoruz8izu32wzhsk/UVm2nwx1e9u/FMN5iGLUVHkOPXC/4Vi+HvAutabc2mm3fhi3ma1fi9Zjj643f0oA7K9+M8T+IbjTNB0035tjiVt2D+FelafdNe6fDcPGYmkUMUPVa+fvF/gHxHquuSf2TokVjeO4238TEce4z/Svd/Dtldad4fs7W/m864ijCyP6mgDTooooAK4T4y28l18Mr6CAbpXkiCr6neOK7uuR+JZx4RP/AF8w/wDoxaAMDRPF3iSw8P6faHwvIxgto4ycnnCgelXv+E58R/8AQqy/mf8ACu2sFH9nW+VGfKXt7VY2r/dH5UAcD/wnPiP/AKFWX8z/AIUf8Jz4j/6FWX8z/hXfbV/uj8qNq/3R+VAHA/8ACc+I/wDoVZfzP+FH/Cc+I/8AoVZfzP8AhXfbV/uj8qNq/wB0flQBwP8AwnPiP/oVZfzP+FH/AAnPiP8A6FWX8z/hXfbV/uj8qNq/3R+VAHA/8Jz4j/6FWX8z/hR/wnPiP/oVZfzP+Fd9tX+6Pyo2r/dH5UAcF/wnPiP/AKFWX8z/AIVp+F/GUuu6ncaffae9jdQDJRu45/wrqtq+g/KvNb651bR/iPeT2OkS3S3EQCSAgIDz1596APS6ydU8UaRo+Re3kayD/lmD8x/CudOi+KtfO7VdRFhA33re37j8c1q6Z4H0jTiHaH7RKP8AlpKcmgDKk8Z6tqrFPDeku8bfduJhgD+dInhLWtaYSeItTdEb70EB2j8xiu2jhjhULEioB0AFPoAxdL8JaRpQUwWyvIv/AC0kG4n8TWEMJ8X9uAoNmNoAx2au3rlfFGj3iapba/oyCS8tQVeM/wDLRD1H1xmgDqqK4hPiOQuJtA1BJBwy/L1p3/Cx0/6Ad/8AkKAO1oriv+Fjp/0A7/8AIUf8LHT/AKAd/wDkKAO1oriv+Fjp/wBAO/8AyFH/AAsdP+gHf/kKAO1oriv+Fjp/0A7/APIUf8LHT/oB3/5CgDtaK4r/AIWQmCTod/x7Cqtl8WLHUfM+x6Vey+U219oHB9KAO/oriv8AhY6f9AO//IUf8LHT/oB3/wCQoA7WiuK/4WOn/QDv/wAhR/wsdP8AoB3/AOQoA7WiuK/4WOn/AEA7/wDIUf8ACx0/6Ad/+QoA7WiuK/4WOn/QDv8A8hR/wsdP+gHf/kKALvxJ/wCSb61/17/1FXNMLr4IhMcQmcWp2xn+I4PFc1e6lqXjqMaXa6bPYWLsPtMs+PnX0GK7K6tvI0GW2t5BBtgZVf8AucdaAMjwHNezeHA2o6THpU3mt/o8a4GPXoK6auV+Hltc2nhcR3mqrqsnmufPU9s9PwrqqACoLv8A1I/3qnqC7/1I/wB6gCnRRRQBp0UUUAFFFFABRRRQAUUUUAFFFFABRRRQBzXi+y0K20K71LV7SF1gjLEsoya8e+B+taF4p1fUbS+s4TcJIXg3Afd9P0r1v4h+EG8aeG30w3slpGcs5j6njpXjvwf+FCWniKfVbbVJUksZzGUA4ce/50AfRMNvFbRhII1jUdlGKkoHTmigAooooAKKKKACiiigAqpqnlf2Vc/aHZI/LO5l6gVbqvqDFNPnZYvOIQkR/wB72oA5P4XjSf8AhGH/ALCvJ7y385svPncDk5HNdpXLfD+7lvNAeSfRRo7eaw8gLjPJ5rqaAM7VNB03WVA1G0jnx0LKDWX/AMK+8M/9AuH/AL5H+FdLRQBzX/CvvDP/AEC4f++R/hR/wr7wz/0C4f8Avkf4V0tFAHNf8K+8M/8AQLh/75H+FH/CvvDP/QLh/wC+R/hXS0UAc1/wr7wz/wBAuH/vkf4Uf8K+8M/9AuH/AL5H+FdLRQBzX/CvvDP/AEC4f++R/hR/wr7wz/0C4f8Avkf4V0tFAHNf8K+8M/8AQLh/75H+FH/CvvDP/QLh/wC+R/hXS0UAc1/wr7wz/wBAuH/vkf4Uf8K+8M/9AuH/AL5H+FdLRQBzX/CvvDP/AEC4f++R/hR/wr7wz/0C4f8Avkf4V0tFAHNf8K+8M/8AQLh/75Fbljp1rptuILGBIYx0VRirNFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAcRq4PhvxzDrTAiyvUEE7AfdOSQT+JFdsjrIgdGDKwyCDkEVBf2FvqVnJa3kYkikGCDXGtovirw+3k+HbmK7ss/LHcsdyD0BwSaAO6orhftXxB/587H/v4f/iaPtXxB/wCfOx/7+H/4mgDuqK4X7V8Qf+fOx/7+H/4mj7V8Qf8Anzsf+/h/+JoA7qiuF+1fEH/nzsf+/h/+Jo+1fEH/AJ87H/v4f/iaAO6orhftXxB/587H/v4f/iaPtXxB/wCfOx/7+H/4mgDuqK4X7V8Qf+fOx/7+H/4mj7V8Qf8Anzsf+/h/+JoA7qiuF+1fEH/nzsf+/h/+Jo+1fEH/AJ87H/v4f/iaAO6rifGD/wDCRatZeG7JtzLMlxdMOiKrBgPxKkVF5fj3UCIJzZ2ULcPKjEsB7ArXR6B4ctdBgbyi01xJzLPIcs5oA11UKoVRgAYApaKKACiiigAooooAKKKKACiiigAoxzRRQAUUUUAFFFFABRRRQA0xoTkqDR5Sf3R+VOooAb5Sf3R+VHlJ/dH5U6igBvlJ/dH5UeUn90flTqKAG+Un90flR5Sf3R+VOooAguI0FtLhR9w9vavP/hMildcyo/4/T29zXodx/wAesv8AuH+Vee/CX7uuf9fp/maAPRPKT+6Pyo8pP7o/KnUUAN8pP7o/Kjyk/uj8qdRQA3yk/uj8qPKT+6Pyp1FADfKT+6Pyo8pP7o/KnUUAIAFGAMVV1UwjSbo3Ss0Pkt5gXqVxzVuq+oed/Z1x9mRZJvLbYrdCccA0Acx8NZNFk8KA+G4JoLPzn+SZSG3Z56iuvrnPAx1hvDwPiGyt7K78xv3VuMLjsegro6ACoLv/AFI/3qnqC7/1I/3qAKdFFFAGnRRRQAUUUUAFFFFABRRRQAUUUUAFFFFADJ/+PeT/AHD/ACrzv4Tdda/6+2/pXok//HvJ/uH+Ved/CbrrP/X239KAPR6KKKACiiigAooooAKKKKACq9/HNLYTJatsmZCEb0NWKKAPLLeX4geHvDtnCYBqV7JekTOSPliOeeo9q3xq/iv/AITTULQ6cv8AZUdqXt5s8vJhsDr7Cu0ooA81/wCEg8d/8IUl2NHX+1TeFGhLDiLccN19MVqNrHiweKkthpq/2cbbe0uRxJ6da7aigDzlNf8AHJ8MXVw2kKNQS42xRZHzJkc9frV99Y8WDxPo1uumqbCeENeS5/1b/Lkdfc129FAHnEev+OTpeuSSaQont5QLJdw/er8vPX3NXf7a8X/aNDX+zF2XEeb05/1Zx9a7qigDz9dc8af8TvOlL+4z9i5H7zr70k2u+NV0/Q3j0lTPcSYvlyP3S889fpXoNFAHFpq/io+JNfgbTlFjb2xawlyP3r4bA6+y/nWUPEHjv/hF9MuP7HX+0JbrZcxZHyR5PPX0xXpNFAHGrq3ik+LLu2bTl/s1LXfFLn70np1rIfxB47Hgb7YujqdW+1hPIyP9Xkc9fTNek0UAcUNW8V/8Jtp1odPX+ypLMPcTZ5SXC8dfUmsu117x2/g3XbqfSUXVLe7CWMOf9ZHleevua9JooA4V9Z8X/wBuaFEumr9kuId18+f9W+Bx1qG21zxq9j4jebSVWa1Y/wBnLkfvhzjv9K9AooA8+u9d8apY+HHt9KVprl8aiuR+6HPv9KnGs+L/AO2/EUX9mL9ltoC2nvkfvXw2B19hXdUUAedDXvHH/CNaPcHSF+3zz7byLI/dpk89fTFX21jxYPFN9brpq/2fHBuglz958dOtdtRQB5sfEHjv/hE4rn+xl/tI3IRotw4jyOevpmtVtX8Vf8Jdb2y6cv8AZrWoeSbPSTA46+5rtKKAPNk8QeOz4Xu7g6Ov29LnZFFkfNHkc9frWmdX8Wf29p0I01fscsAa4kz9x8dOtdtRQB57/bvjb+xtXl/slftUMhFomR+8X161K+t+MheaCq6WpiuB/p5yP3R59/pXe0UAcC2t+MvO8RAaWuy2z/Z5yP3vXHf2FNm1zxmtpoLRaUpkuGxfDI/dDn3r0CigDh7fWfFza9rMMumKLOCItZyZH7xsdOtUn17xx/wiumXK6Qv9oy3QS5iyPkjyOevpmvRaKAONt9V8Uv47ubOXT1XSEsvMjnzy0uF+Xr7msWLxB49bwMLt9IQat9rCeTnjysjnr6Zr0yigDizq3ir/AITiysxpy/2TJa75588rJgcdfWsqLxB47bwvrdw+jouoQXJWyiyP3ievWvSaKAOGOseLv7X8PxjTV+zXEZN+2f8AVNg8dfpVaPXfGzW/igvpKh7RyNMGR++Hzc9fYelehUUAefS6541WPw8U0pS1yf8AiYcj9119/pVqPWPFp1bW4m0xRbQRk2T5H7xvTrXb0UAebnxB47/4RzTJxo6/bprjbcx7h8iZHPX0rTTV/FR8UXtu2nAWEdrvhlyPmkwOOv1rtaKAPODr/jr/AIQ+1uho6/2m9zslhyPljyOev1rRGseLP+Eqjtjpq/2cbYM0uej4HHX1rtqKAPOxr3jf/hGb24/shft8dxthiyPmT161cm1nxcviPTII9MU2UtvuuZMj5HweOv0ruKKAPOote8bnQdambSVF5BOVs48j94mTz19hVyXWfFy6hoaR6YphuEzetkfuzz7/AEruaKAOAXXPGZfXgdKXFuP9B5H739aadd8a/YfDz/2SvnXMwXUFyP3S5GT1+teg0UAcOms+LT4l1+3bTVFjbwBrCXI/evheOvufyrNbxB48HhLRrldHU6lNchLyLI/dx5Xnr7mvSqKAOPGq+J/+E5mszp6/2QtnvSfPJlwPl6+uawR4h8fnwbcXR0dBqi3eyOLPBiz97rXp1FAHFf2v4s/4T+wsv7OX+xpLIyT3GeVl2t8vX1ArMXX/AB3/AMIprVydIT+0YLpksos/6yPLYPX0Ar0iigDhZda8YLq+gxR6YptriLN++R+6bnjr9Kaut+MSfEGdLX/Rif7P5H73r713lFAHn7654zEXh4rpSlrlwNQGR+6GR7/WpbXWvGD6v4gin0tVtraMHT3yP3rfLx19zXd0UAeef2742/4RvR5/7JX7dNMFvI8j92vy89fc1c/tjxb/AMJNd2/9mL9gS33RS5HzPgcdfrXb0UAecHX/AB1/wikdz/Y6/wBom52NFkcR+vWtL+2PFf8AwmH2X+zR/Zv2Qv52R/rMHjr6gV2tFAHmo8QePP8AhEbu5/sZf7SS6KRQ7h80eWwevoBWq+r+Kxr2mwrpqmzlg3XMmfuPzx1+ldrRQB52Ne8cHSNbl/shftMEuLJMj94uevWrD634xGq+HI10tTb3UYOotkfuTx7/AFrvKKAOBg1vxky+I/M0tQbUj+zuR+++77+5qF9e8cDS/Dsi6QpuLmQDUEyP3K/Lnv7mvRKKAOHh1jxc3iLWIJNMUWUMG6zkz/rHwOOtZd14g8fJ4N0u5g0hG1Sa7CXUWeEjz16+lemUUAcbNqvihfiHd2UdiraKtl5kU+eTLhuOvqBWQNf8djwPLdnSEOrLeFEgyMGLLYPX0Ar0migDi7jV/FaeL7C1h01W0yS23TzZ+4+Dx1+lZqa944Ph7WZ20hRewTlbOPI/eJnr1r0aigDhn1nxcNd8Owrpi/Y7mIHUJMj9y3HHX61Xh1zxq0PiAyaUoe2fGnjI/ejj39zXoNFAHn0mt+Mjp+jM+lLvuF/04ZH7oYGe/wBa5T4c6l4ghu/FaWNkJYY5WaAk/efnjr9a9ouP+PWX/cP8q8++EpOzXB/0+n+ZoAY3iDxyNC0mYaOv2uafbdx7h+7T161qDV/Ff/CT6lbnTl+wRWxe2lz998Hjr9K7SigDzf8A4SDx3/wi8Vx/Y6/2gbgq8W4cJk89fpWlHrHiw+KxbPpqjTvs5bzcj7+Dx1+ldtRQB5xJr/jkeEby5TR1OpJdbIYcj5o89evpV8az4t/4SrSrZtNH9nzWwe6lyPkkwOOv1ruKKAPOrfXvHD+H9Yml0hVvYZ9tnHkfvEyOev1q1LrXjBb7QEj0tTDcKDftkfujxnv9a7uigDgIdb8Zs3iLzNKUC2X/AIl3P+tPHvVbVNV8b3HhLw+tvp4jv9QLR6jtIzbgg8jn/GvSKKAMDwb4dufDGh/YLzU5tSk8xn8+Ygtg9ugrfoooAKgu/wDUj/eqeoLv/Uj/AHqAKdFFFAGnRRRQAUUUUAFFFFABRRRQAUUUUAFFFFADJ/8Aj3k/3D/KvO/hN11n/r7b+leiT/8AHvJ/uH+Ved/CbrrP/X239KAPR6KKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigCO4/49Zf9w/yrz34S/d1z/r9P8zXoVx/x6y/7h/lXnvwl+7rn/X6f5mgD0aiiigAooooAKKKKACiiigAooooAKKKKACoLv/Uj/eqeoLv/AFI/3qAKdFFFAGnRRRQAUUUUAFFFFABRRRQAUUUUAFFFFADJ/wDj3k/3D/KvO/hN11n/AK+2/pXok/8Ax7yf7h/lXnfwm66z/wBfbf0oA9HooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAI7j/j1l/wBw/wAq89+Ev3dc/wCv0/zNehXH/HrL/uH+Vee/CX7uuf8AX6f5mgD0aiiigAooooAKKKKACiiigAooooAKKKKACoLv/Uj/AHqnqC7/ANSP96gCnRRRQBp0UUUAFFFFABRRRQAUUUUAFFFFABRRRQAyf/j3k/3D/KvO/hN11n/r7b+leiT/APHvJ/uH+Ved/CbrrP8A19t/SgD0eiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiisfxXrq+GvDF7qrrv+zxlgPU44oA2KK8BbXPH48IN48F/F9nUmQWWODH16+uMdq9A034oWl1NpFrNCwn1C3MvA4GM5/wDQaAO+orxfxx8YbmHw0bzw5bt5kN8IJCw9GAx+Oa1W+MX2Cx0lNR0q4W+1FMxwhTliMD+tAHqdFea2fxk0248M3upzWssMtjMIZ4GXDKSR/wDFCrWs/E2C1uf7OtLeR7ybT2u4QB/sE/0oA9Aoryv4NfEDWPGFhJHrFm4ZHkxc7cKcMRt/Dp+FbnjT4k2/hfU7fSrO0l1HU513i3hXJC88nH0oA7ijIzjPNeb6n8XbfSIdK+2aZdC51BGItwh3qwAOMfjVOLxvGnxLla8upoIY9LNzJZsv3BhOevXmgD1SivNvDfxZTxFcSPBpsosQrsk+Oygnn8qz7L462F0bS4fTriPT7i4+zi6K/KHyBjP40Aes0U2KRZoUkjOVdQyn1Bp1AEdx/wAesv8AuH+Vee/CX7uuf9fp/ma9CuP+PWX/AHD/ACrz34S/d1z/AK/T/M0AejUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVBd/6kf71T1Bd/6kf71AFOiiigDTooooAKKKKACiiigAooooAKKKKACiiigBk//HvJ/uH+Ved/CbrrP/X239K9En/495P9w/yrzv4TddZ/6+2/pQB6PRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABWZ4h0WHxDoF3pdycR3EZTPocVp0UAeHN4A8dHw83g37RB/Y7OR9q53CPnjp6H9K0vEnw01q1vtEu/CssZewgMLiTvndz0969frPv9c0/TLy3tb25SKa5OIlY43H/IoA8eT4Sa/L4EvrC6ni+3yXou0IHBIYNjp7Vj+L4PFUXi3wWZbCM6nbKyIqr8nDLjP5V7lP4o0i2luo5LtN9qP3yg5K/wCcVT03xX4b1+ZpLW5hlmtlLHdwyD1xQB5xa/CbWLjwdr/2+eNdW1edZwqj5UI28dP9mneHvh54sl8XW2q+IJYAkWnPZBUHTKFQenvXd6h4+0ptHvJdGvYLi5gj3hNwx97HNJb+PtOtPD+n3muzpBNdRCTCfMOnqKAMT4WeG/EXhBrrRtSihbTVlllhnX7zFnLY/WovGfgvXY/HEHi3woYprkQ+TLbTDhhknI/Or/jb4l2/h7w/p2r6X5d5bXl0sJkVgQAc5/lV66+IemS+FdS1LRp0u57CIPJEDyDx/jQBz8/gvXtX8VeG9c1RYFls1f7UijgZAwB+tO1XwDqk/wAVNR8SW3ktbzaabZInHBbC9fb5a29D+Imn3HgfTNd1uRLNr6MOseeTwDwPxrZbxhoa6GNXOoQ/Yydok3Dr6fXigDyLRvhr4gsNZm1R9umWVvby77WIkrMSreufWue8B+DPEni/wZY6bLDHZ6PDqTXDOwxIdrKcfpX0JoviHTPEdvI+mzCZF+VxjGK0YLeK2j8u3jWNM52qMCgAtoRbWsUC8iNAg/AYqSiigCO4/wCPWX/cP8q89+Ev3dc/6/T/ADNehXH/AB6y/wC4f5V578Jfu65/1+n+ZoA9GooooAKKKKACiiigAooooAKKKKACiiigAqC7/wBSP96p6gu/9SP96gCnRRRQBp0UUUAFFFFABRRRQAUUUUAFFFFABRRRQAyf/j3k/wBw/wAq87+E3XWf+vtv6V6JP/x7yf7h/lXnfwm66z/19t/SgD0eiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACvOI7/wAX6/rWoLpN1bQW9tJsVXAyeB7e9ej1xXgT/kLa3/18f0FAFf8Asvx9/wBBK0/If4Uf2X4+/wCglafkP8K72mvKkYzI6oPVjigDhP7L8ff9BK0/If4Uf2X4+/6CVp+Q/wAK7pJopP8AVyI/+6wNNNzADgzRg/74oA4f+y/H3/QStPyH+FH9l+Pv+glafkP8K7rzotm/zE2/3twxSrIjLuVlK+oPFAHCf2X4+/6CVp+Q/wAKP7L8ff8AQStPyH+Fd2siOu5GVh6g5pn2qDdt8+Pd6bxQBw/9l+Pv+glafkP8KP7L8ff9BK0/If4V3hYBdxIx65pi3ELthJY2PoGBoA4b+y/H3/QStPyH+FH9l+Pv+glafkP8K7t5EjGZHVR/tHFNWeFzhJUY+gYGgDhv7L8ff9BK0/If4UHS/HwH/IStPyH+Fd7SN90/SgDlPAutalqdveQawY2uLWXYXj6Hgf411lcR8P8A/j+1r/r6P8hXb0AFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVznjfV73R/D5m0zYLh3CIX6DNdHXIfEf8A5F+L/r4T+dAGfFp3j6WFJBqNph1DdB3H0p39l+Pv+glafkP8K7ez/wCPGD/rmv8AKpqAOC/svx9/0ErT8h/hR/Zfj7/oJWn5D/Cu9JwMngVF9pgzjzo8/wC+KAOH/svx9/0ErT8h/hR/Zfj7/oJWn5D/AAru2kRV3MyhfUnilVgwypBHqDQBwf8AZfj7/oJWn5D/AAo/svx9/wBBK0/If4V3jOqLl2Cj1JxQrq67kYMPUHNAHB/2X4+/6CVp+Q/wo/svx9/0ErT8h/hXdCaMvsEilv7u4ZpTIgcIXUMegJ5oA4T+y/H3/QStPyH+FH9l+Pv+glafkP8ACu5NzADgzRg/74pUmikOI5EY+gYGgDhf7L8ff9BK0/If4Uf2X4+/6CVp+Q/wrvaKAPNNSu/Gvh0293f3lrNbmVUdABkg/hXpELmSCNz1ZQT+Vch8SP8AkCQf9fCf1rrbX/jzh/65r/KgCWiiigAooooAK86+MXh261Tw7DqekRGTUdMk86IL1PbH616LSEBhhgCPQ0AeB6dp3iSy+HOpeI30szazqk4aaCVc7EyD0I7ZNZPg3QdTHxFu7+OynS2n0plY7Nq+ZhOMDj1r6R2Jt27V2+mOKRYY0+5Gi/RQKAPBfD/guW2+CWtSf2bIusTqVGQd7DzAeKzLq111ND0DR7/SWFkNK2mYx7n8zZ93kcc4719HBEC7Qq7fTFIYY2xujQ46ZUcUAfMw8OauvwR0yzm024keDWjI0JU7vL3Pz9ORWtpei3l9qHi/U9K0mW00+bTlgjjK7fOkBUk4/wA9K+g/Kj27fLXb6beKFijRSqxqoPUBetAHzPfeGNZt9G8G3l9bTmwt7EQzxBNxibaBkr/npVufwraf8K5e3Vb8Wr34mjYqfkPzds9Oa+jWhjZNjRqV9CoxSfZ4fL2eUmz+7tGKAPLvgmNZFpqH9rWC20G8CCUIEMowOcYr1WkRFjXCKFHoBiloAKKKKAI7j/j1l/3D/KvPfhL93XP+v0/zNehXH/HrL/uH+Vee/CX7uuf9fp/maAPRqKKKACiiigAooooAKKKKACiiigAooooAKgu/9SP96p6gu/8AUj/eoAp0UUUAadFFFABRRRQAUUUUAFFFFABRRRQAUUUUAMn/AOPeT/cP8q87+E3XWf8Ar7b+leiT/wDHvJ/uH+Ved/CbrrP/AF9t/SgD0eiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACuK8Cf8hXW/+vj+grta4rwJ/wAhbW/+vj+goA7Wvmj4l+ML+8+LA0HWtUuNH0aNR88eRu6V9L14X488SaBP4kudP8c+GJmij4hvIo8lh9eKAL/w+0X7HqFzfaJ4tOq6cbdt0MkmWU464zXkmkakus+JtYi8ReMLrS0hmIiCseeT710vwo8OXn/CxNS1Pw9bXdr4eWJ9gnJG8bemMnvXOeGbnSND8Ua43inw5NfrLMfKPl5xyaAPQvE8jaH+z7PcaHr8+ohrj5Lssd38WRWT8LvHurW2h6x4Z8VXMkd2bVp7KaU4LDHQE/ia1/Gt7Za5+z7cf8I7pUlnAlwAtvswR97Jqj8SPh/d6z8LNE8Q6TG6anp9qFlWMYZ0JPHH1oAZ4d8Y69pf7MtzrNpNLdX4ujEJGyzKpwCfwzWF4UgsfE+kxXMnju4tdclJJjkkIUNnpya6f4e3954Z/Z9Fw+itqP8AphWW1ZM5QlQTj6ZriPGEHhTxHZoPBehahba67j5EUqq+vQ+vtQB6J8U/F2u6Bo/h/wAKabe51LUFCy3SnqpJGQc+1Yfi7wf4r+GGhQeJbLxFcXcsTr9pikclTk845+tP8e+BvElr4S8Ja5HBJe6jpCKLpOS20En+tM8dfEjUfiV4Zg8N6FotyLy5dftBZOE5H/16ALXxZ8a32q/Czw/rGnXclm93IqysjY5wQf1Fcvrc2qeDJdBvNA8Vzapc3jr5lsJN+M+wNb/xX8I3WjfCfw5oqQvO8MqmUIM4JyT/ADrN8QeBZ/h7qmgeKtFtJb2z2r9ohky+w85POaAPpbSJ57nR7Se7XZNJErSLjocc1bb7p+lZ3h/WIde0O21G3RkSZAdjDBU+laLfdP0oA4n4f/8AH9rX/X0f5Cu3riPALBLzW2Y4AuSST9BW/Y+K9H1LWJdMsLyOe6iGXRDnbQBsUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXIfEf/kX4v+vhP5119cj8Rh/xT8X/AF8J/OgDqLP/AI8YP+ua/wAqmqGz/wCPGD/rmv8AKpqAMrxPI8PhXUpImKuts5Vh2OK+WvDtrq2ueF9Z12fxfJaT2MjeXC0+N3PTGa+pPFKs/hPU1RSzG2cADvxXzp8J/hDY+LrPULjX2vLfZckCJXZVYZ9AaALx8ba9qv7ONzqF1cypd284iScEgsMrzn8a9i+FV3Pe/DnS57uVpZXiBZ2OSeBXI/F/wxb6L8FptJ0G0IijZAqIMk/MOawPh78XodD8NaZolzo935sYWNmCcemetAG38e/EepW9tpfh3w9M0eoajJxsPzbQD/hS/ADxNf3ul6j4e16dpNS0yU7vMPzbTgD+RritW07xJ8SfjNNfaJutItLjBgllXgZAz/M0eF9N8Q/Dv47o2tBrmLVk/fTRrwSc4/WgDD8Q+MfE+gfF3UtWsp7iew025/fwgkrsyTjH0Fd7qPimTWPjd4Ql0vUWaw1CzLPGj/Ln5hyPrTPCWgf2v8VfGWnanbt9jvEZGLL2OeRXDeCvCGseFv2gLDTr2KaS2tJ2EMhBKhCCePzoA2fjD4U1vwVaf2za+JLtxeXRURbzhQSP8a9J+F/gPUdGFprd7rtzfLd2iuYZGJALKDWV+0na3F34L09LaF5WF0CQozjla9P8KqyeD9HVwVZbKEEHsdgoA1qKKKAON+JH/IEg/wCvhP611tr/AMecP/XNf5VyfxI/5Alv/wBfCf1rdvNb07Q9IjudUuo7aJY1+ZzjtQBqUVU0vU7XWNPivbB/MglGUb1FW6ACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAjuP+PWX/cP8q89+Ev3dc/6/T/M16Fcf8esv+4f5V578Jfu65/1+n+ZoA9GooooAKKKKACiiigAooooAKKKKACiiigAqC7/ANSP96p6gu/9SP8AeoAp0UUUAadFFFABRRRQAUUUUAFFFFABRRRQAUUUUANdd8bL/eBFeX2vgHxVo2oXz6JrSQwXUpk2EdP0r1KigDzj/hHvH/8A0H4/++f/AK1H/CPeP/8AoPx/98//AFq9HooA84/4R7x//wBB+P8A75/+tR/wj3j/AP6D8f8A3z/9avR6KAPOP+Ee8f8A/Qfj/wC+f/rUf8I94/8A+g/H/wB8/wD1q9HooA84/wCEe8f/APQfj/75/wDrUf8ACPeP/wDoPx/98/8A1q9HooA84/4R7x//ANB+P/vn/wCtR/wj3j//AKD8f/fP/wBavR6KAPOP+Ee8f/8AQfj/AO+f/rUf8I94/wD+g/H/AN8//Wr0eigDzj/hHvH/AP0H4/8Avn/61H/CPeP/APoPx/8AfP8A9avR6KAPOP8AhHvH/wD0H4/++f8A61H/AAj3j/8A6D8f/fP/ANavR6KAPOP+Ee8f/wDQfj/75/8ArUf8I94//wCg/H/3z/8AWr0eigDzkeHvH+f+Rgj/AO+f/rU/4WwXts+rx6nOJ7gXHzuO/Ar0OuK8Cf8AIW1v/r4/oKAO1qtcadZ3Zzc20Up/2lBqzRQBFBawW0ey3iSNPRRioG0jT2YlrOEk9SUFXKKAK/8AZ9p9nNv9nj8k9U28VL5Mfk+VsXy8Y244xT6KAIY7O3it/IjhRYv7gXioYtJ0+CXzYrOFH/vBBmrlFACMiupV1DKeoIqtDpljbyeZBaxRv/eVADVqigCKe1guVAuIkkA6BhnFEttBND5UsSPH/dYZFS0UAMihjgjEcKKiDoqjAFOb7p+lLSN90/SgD538S6D411eHW28J3xjtxOfMt04ZuB3rkvg34f8AF0Xi6+gink0+8Vf3jTAnd1717/4A/wCP7Wv+vo/yFdethapdG5WBBMRguByaAOA/4R7x/wD9DBH/AN8//Wo/4R7x/wD9B+P/AL5/+tXo9FAHnH/CPeP/APoPx/8AfP8A9aj/AIR7x/8A9B+P/vn/AOtXo9FAHnH/AAj3j/8A6D8f/fP/ANaj/hHvH/8A0H4/++f/AK1ej0UAecf8I94//wCg/H/3z/8AWo/4R7x//wBB+P8A75/+tXo9FAHnH/CPeP8A/oPx/wDfP/1qP+Ee8f8A/Qfj/wC+f/rV6PRQB5x/wj3j/wD6D8f/AHz/APWo/wCEe8f/APQfj/75/wDrV6PRQB5x/wAI94//AOg/H/3z/wDWo/4R7x//ANB+P/vn/wCtXo9FAHnH/CPeP/8AoPx/98//AFqP+Ee8f/8AQfj/AO+f/rV6PRQB5x/wj3j/AP6D8f8A3z/9asTxRo3i+2sraXV9YS4tluE3RgdefpXsVch8R/8AkX4v+vhP50AdTZ/8eMH/AFzX+VTVDZ/8eMH/AFzX+VTUAIyh1KsMg8EGo4LaC2Ui3iWME5IUYzUtFADJoIriMpPGsinswyKrDSNPBBFnCCOh2CrlFAEMNpb27s0EKRs3UqMZols7eeVZZoUd1+6xHIqaigCJLWCKZpY4kWRvvMByaQ2lu1wJ2hQyjo+ORU1FAEU9tDdIFuIlkUHIDDNSKoRQqjAAwAO1LRQAUUUUAcT8UVlfw0i2zBJTMuxj2PNfOfxT8K/EOK7W51mee/siF2PF91Rj0r6Q+JH/ACBIP+vhP611KQRXOnRRTxrIjRrlWGQeKAPHvAGh+NZvAmmtYaykEBiG2NlOVGPpXR/8I94//wCg/H/3z/8AWr0K2tYbO3WG2jWONeiqMAVLQB5x/wAI94//AOg/H/3z/wDWo/4R7x//ANB+P/vn/wCtXo9FAHnH/CPeP/8AoPx/98//AFqP+Ee8f/8AQfj/AO+f/rV6PRQB5x/wj3j/AP6D8f8A3z/9aj/hHvH/AP0H4/8Avn/61ej0UAecf8I94/8A+g/H/wB8/wD1qP8AhHvH/wD0H4/++f8A61ej0UAecf8ACPeP/wDoPx/98/8A1qP+Ee8f/wDQfj/75/8ArV6PRQB5x/wj3j//AKD8f/fP/wBaj/hHvH//AEH4/wDvn/61ej0UAecf8I94/wD+g/H/AN8//Wo/4R7x/wD9B+P/AL5/+tXo9FAHnH/CPeP/APoPx/8AfP8A9aj/AIR7x/8A9B+P/vn/AOtXo9FAHm7eHPH7IynX48EY+7/9atr4f+Errwpp11Hf3QuZ7mXzHcDvz/jXXUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFQXf+pH+9U9QXf8AqR/vUAU6KKKANOiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigArivAn/IV1v/r4/oK7WuK8Cf8AIV1v/r4/oKAO1ooooAKKKKACiiigAooooAKKKKACiiigApG+6fpS0jfdP0oA4n4f/wDH9rX/AF9H+Qrt64nwB/x/a1/18n+QrtqACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAK5D4j/wDIvxf9fCfzrr65D4jf8i/F/wBfCfzoA6mz/wCPGD/rmv8AKpqhs/8Ajxg/65r/ACqagAooooAKKKKACiiigAooooAKKKKACiiigDjfiR/yBIP+vhP611tr/wAecP8A1zX+Vcn8SB/xI4P+vhP611lr/wAecP8A1zX+VAEtFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABUF3/qR/vVPUF3/qR/vUAU6KKKANOiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigArgbnwBrkWr3d1oniY2MV0+9oWgL4PHfcPSu+ooA4D/AIQzxl/0Og/8BD/8VR/whnjL/odB/wCAh/8Aiq7+igDgP+EM8Zf9DoP/AAEP/wAVR/whnjL/AKHQf+Ah/wDiq7+igDgP+EM8Zf8AQ6D/AMBD/wDFUf8ACGeMv+h0H/gIf/iq7+igDgP+EM8Zf9DoP/AQ/wDxVH/CGeMv+h0H/gIf/iq7+igDgP8AhDPGX/Q6D/wEP/xVH/CGeMv+h0H/AICH/wCKrv6KAOA/4Qzxl/0Og/8AAQ//ABVH/CGeMv8AodB/4CH/AOKrv6KAOA/4Qzxl/wBDoP8AwEP/AMVR/wAIZ4y/6HQf+Ah/+Krv6KAOd8IeFpPDVpMtzfNfXE775JSu3J+mT6V0VFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFYnizw83iXRGsY7prSTcGSUDO0j2rbooA8+TwT4xRFRfGgwoAH+iH/wCKp3/CGeMv+h0H/gIf/iq7+igDgP8AhDPGX/Q6D/wEP/xVH/CGeMv+h0H/AICH/wCKrv6KAOA/4Qzxl/0Og/8AAQ//ABVH/CGeMv8AodB/4CH/AOKrv6KAOA/4Qzxl/wBDoP8AwEP/AMVR/wAIZ4y/6HQf+Ah/+Krv6KAOA/4Qzxl/0Og/8BD/APFUf8IZ4y/6HQf+Ah/+Krv6KAOA/wCEM8Zf9DoP/AQ//FUf8IZ4y/6HQf8AgIf/AIqu/ooA4D/hDPGX/Q6D/wABD/8AFUf8IZ4y/wCh0H/gIf8A4qu/ooA88f4feIb6aAax4rN1bRyB2hW3K7se+6vQY08uJEHRVAp1FABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVBd/6kf71T1Bd/6kf71AFOiiigDTooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKgu/wDUj/eqeoLv/Uj/AHqAKdFFFAGnRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVBd/wCpH+9RRQBTooooA//Z)

Fig 1 Fuzzy Logic Controller Architecture

We have designed and implemented the Fuzzy Logic Controller as the control application of our Greenhouse climate controlling. For the design and implementation of FLC, we are using the Fuzzy logic Toolbox of MATLAB. For the design *Fig 1*, will explain the architecture of our FLC system. In this model based on the input values we fetched from the each set of sensors. Once the inputs were fed to the FLC the system will scale the input values and fed to the Fuzzy Inference System (FIS). Then it will generate set of output values to corresponding actuators after defuzzification.

1. ***Fuzzy Logic Controller Inputs and Outputs Sensors*.**

For a commercial greenhouse farm, there will numerous sensors. For our FLC we have five type inputs and five outputs. Sensors are evenly deployed inside the farm as clusters, with all types of sensors. Our FLC fetches the inputs from each cluster and generates the inputs. This approach will help to make the system more energy efficient.

1. ***Temperature Input Sensor:*** From each cluster the reads the atmospheric temperature and fed the data to FLC. We are reading the temperature in ℃. Since we are considering only the internal temperature, so we have limited the range from -7℃ to 35℃. From each sensor, the reading might vary. In a commercial greenhouse farming, 7℃ to 21℃ is the optimum temperature for growth.
2. ***Humidity Input Sensor:***For the FLC we are taking relative humidity value for a more accurate sustainable system. The relative humidity values range from 0 to 100%. From 50% to 70% relative humidity is considered optimum for a commercial GH farming.
3. ***Light Intensity Input Sensor:***Light intensity is measured using photon sensors placed in the middle of the upper and middle of the plant's height to make sure the plants getting sufficient lights. Average these two values are fed to FLC. Light intensity is measured in lux between 0 to 15x104 lux.
4. ***Soil-Moisture Input Sensor:***Soil-Moisture measured from different places depending on the plant and root type to prevent any fungal disease makes the system more efficient. And measured in the range from 0 to 100%
5. ***PH Input Sensors:***PH of the soil is measured in range from 0 to 14. For our FLC we are not considering the PH since we cannot handle it without any manual intervention.
6. ***Cooling Fan Output:*** Helps to reduce the inside temperature as well as to reduce the humidity. Working of cooling fan speed ranges from 0 to 50.
7. ***Heater Output:*** To increase the temperature and reduce the relative humidity. Heater work in range 0℃ to 50℃.
8. ***Sprinklers Output:*** Increases the sprinkler output to reduce the temperature and increase the humidity. Sprinkler output varies from 0 to 100%
9. ***Lamp output:*** Only used to increase the light intensity by increasing the output. Output described in lux between 0 to 15x104 lux.
10. ***Fuzzy Logic Inference***

Fuzzy inference will convert the sensor input to its corresponding output using the fuzzy logic. For constructing FLC Mamdani and Sugeno inference system can be used. Since Mamdani Inference system is widely used due to its crisp results are obtained by using defuzzification. We are also taking Mamdani for our FLC. For Mamdani computation power is also less compare to other models. In Mamdani we have 4 steps.

![Diagram

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAkACQAAD/4RD4RXhpZgAATU0AKgAAAAgABAE7AAIAAAAPAAAISodpAAQAAAABAAAIWpydAAEAAAAeAAAQ0uocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEFiaGlqaXRoIFNoYWppAAAABZADAAIAAAAUAAAQqJAEAAIAAAAUAAAQvJKRAAIAAAADMjAAAJKSAAIAAAADMjAAAOocAAcAAAgMAAAInAAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADIwMjE6MDU6MDUgMTk6Mzk6MzcAMjAyMTowNTowNSAxOTozOTozNwAAAEEAYgBoAGkAagBpAHQAaAAgAFMAaABhAGoAaQAAAP/hCyFodHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLjAvADw/eHBhY2tldCBiZWdpbj0n77u/JyBpZD0nVzVNME1wQ2VoaUh6cmVTek5UY3prYzlkJz8+DQo8eDp4bXBtZXRhIHhtbG5zOng9ImFkb2JlOm5zOm1ldGEvIj48cmRmOlJERiB4bWxuczpyZGY9Imh0dHA6Ly93d3cudzMub3JnLzE5OTkvMDIvMjItcmRmLXN5bnRheC1ucyMiPjxyZGY6RGVzY3JpcHRpb24gcmRmOmFib3V0PSJ1dWlkOmZhZjViZGQ1LWJhM2QtMTFkYS1hZDMxLWQzM2Q3NTE4MmYxYiIgeG1sbnM6ZGM9Imh0dHA6Ly9wdXJsLm9yZy9kYy9lbGVtZW50cy8xLjEvIi8+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczp4bXA9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8iPjx4bXA6Q3JlYXRlRGF0ZT4yMDIxLTA1LTA1VDE5OjM5OjM3LjIwMTwveG1wOkNyZWF0ZURhdGU+PC9yZGY6RGVzY3JpcHRpb24+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iPjxkYzpjcmVhdG9yPjxyZGY6U2VxIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpsaT5BYmhpaml0aCBTaGFqaTwvcmRmOmxpPjwvcmRmOlNlcT4NCgkJCTwvZGM6Y3JlYXRvcj48L3JkZjpEZXNjcmlwdGlvbj48L3JkZjpSREY+PC94OnhtcG1ldGE+DQogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgIDw/eHBhY2tldCBlbmQ9J3cnPz7/2wBDAAcFBQYFBAcGBQYIBwcIChELCgkJChUPEAwRGBUaGRgVGBcbHichGx0lHRcYIi4iJSgpKywrGiAvMy8qMicqKyr/2wBDAQcICAoJChQLCxQqHBgcKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKir/wAARCAOrBCcDASIAAhEBAxEB/8QAHwAAAQUBAQEBAQEAAAAAAAAAAAECAwQFBgcICQoL/8QAtRAAAgEDAwIEAwUFBAQAAAF9AQIDAAQRBRIhMUEGE1FhByJxFDKBkaEII0KxwRVS0fAkM2JyggkKFhcYGRolJicoKSo0NTY3ODk6Q0RFRkdISUpTVFVWV1hZWmNkZWZnaGlqc3R1dnd4eXqDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uHi4+Tl5ufo6erx8vP09fb3+Pn6/8QAHwEAAwEBAQEBAQEBAQAAAAAAAAECAwQFBgcICQoL/8QAtREAAgECBAQDBAcFBAQAAQJ3AAECAxEEBSExBhJBUQdhcRMiMoEIFEKRobHBCSMzUvAVYnLRChYkNOEl8RcYGRomJygpKjU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6goOEhYaHiImKkpOUlZaXmJmaoqOkpaanqKmqsrO0tba3uLm6wsPExcbHyMnK0tPU1dbX2Nna4uPk5ebn6Onq8vP09fb3+Pn6/9oADAMBAAIRAxEAPwD6Roorj7m08VXWo3r2N7GLcTssQNxs2qMcY8pv51SV+om7dDsKK4O7svGFpAZrnWbW3iHBeW8AA/Ew1Wu7Hx1DbyOuswrtUnPnZ7f9cqrkj/MvxI5pfyv8P8z0WiobN3ksYHkOXaNSx9TipqzNAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKhN5ai+FkbmEXZjMog8weYUBwW29cZOM9M1NQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUVR1jWLLQdMe/1N5Et0eOP91C8zszuqIqogLMSzKAAD1rJ/4TzSP+fPxB/4Tmof/GKAOkorE0vxdpWr6qNNthqEN20LzrHe6Xc2u9EZVYqZY1DYMiZAOfmFbdABRRRQAUUUUAFFFU9R1Wy0lbdtRnECXE628bsp2+Y2doLAYXJGATgElR1IBALlFFU7bVbK91G8sbWcS3FiUFwFU4jZgSFLYxuwMlc5AKkgBhkAuUUUUAFFFFABWLJrNlo1tcz6hL5am5cKACSx44FbVc5JLp88d9aahJAVNy+UkcA9qqNr+9sTK9vd3PKfEPxEu/EnjW201IPI020l87y8gtLgcFvzziu68O6ydS8FkyMWltke3kz1yo4/TBrDHgjQLXxDNd2ssUcErb2/fg/VRznrWs0Ol6bFfSWE0UYuIvnjWQbSwBGceuOK4oqpPEyq2tHZL06npVJYeOEjSjrPdvz7f12O1f8A5Ftv+vT/ANkrzf4SWvg5/C/hp7fwwsetLYxudQbw7LHl9nzN9pMQUk8/Nv5zwTmvS4omn0FIkwGktgoJ6ZK4qj4M0W48O+B9G0a+eKS4sbOOCVoSShZVAJBIBx+ArrWnN8v1PPlqkvX9DI/4WB/xa4eMf7M6/wDLp9o/6beV9/b+PT296Xxh4s1/wwVktdC03UIbi4jtrOP+1ZI7i5kf+ER/Z2UY5P38BVJJFYF74F8Wt4EuPBthJo66etwXgvpZ5fNeLz/NEbRCPCnqN4dun3RnjXvdH8WSePpNd/s3Rb+3tYvJ0uOfVZoTbhv9ZIVFu4LtwM54UYHUkm7X9f12DuTeK/FviPwzHFLHoGl3q3M0VvawLq8iTzzPj5FT7MRwdxyWxtUk46Voaf4uSS61+11m2TTZtDCyznz/ADEeBo94lDYXj5XHI6oax7nSPF8vjk67LpWh3sdrB5OmwyavNF9m3D965AtmBduBnsox3Oc3x7o1xrHjjw7Y2kqRS6tbvba1boS4axjZZGOcA43ZjDEDPnHpngV3p3/D+uvk/INPu/Hv/wADzO68Oapca34bsdTvLH7BLdxCb7MZPMMatyuTgc4wSMcE45xmue+E/wDyIK/9hG//APSuWu0AwMDgVxPg/SfFfhmxTSZtP0a4svttxM10uqSiTZLM8n+q+z43APjG/Bx1FN7uwteVX7/oxR441e90mfXdE8OR3uhQsxWZ7/y7m5iQ4eSKHyypHBKhpELY6DIq1ceNHvL3TbHwlYxatdX9kNQ3T3Rt4YbY/ddnCO2WPAUKejEkYrNsfDfi3QvDkvhfRn0h9NG+K01KaaVZ7aFyTgwBCsjJkgHzFDYGQOcr/wAIrd+HPEGlXHg+awuZLTSE0ybTtRuWiaS3jOY5VkVHIYMcH5CDu6ggUla/l/wH+tvxG/L+tV+lyhrvjCPVfCXjC08UeGfk0N4I7izF+dtyWCOCsiqCFyQQcZIxkKSVHS3XiXUp9eudH8MaRBfy2EaNeT3l6baGJnGVjVljkZn2/MRtAAI5ycVw9joWq+LrD4jQLdWMk+pXsEMU8ZYW6vHFGHQNglthGwtjllPC9B17aHr+h+J9S1Tw3Hpt/b6tskubW+uZLZopkRUDpIscm5WUAFSowRkHkil29F99v6/4YP8Ag/1/X5nSrJNNo4ku4Ps87wbpYQ4fy2K8ruHXB4z3rz3wL8P/AAtqfww0K4bRbO1v5tPhf+0rKFYLtJNoO9ZkAcNnvnnocgkV6KqTvp4S5MZuGixIYwQm/HOM84zXFaDpHjnS/B9h4cSLQ7H7Larbf2pHey3LoFXG9YDCgJ9AZMDr82MFveXy/Ua2RU8MeOdTl8IaHaPbrq/iO7mubVVeXyI5FtpWjeeR9rbRhVPCsSzAAdcX5viMbbT5I7vTI4tZj1VNJa0a8xAszrvRjOUB8soQc7N2Tt2k1V1n4X2RsPD6aVp+nap/YYkjFnrY3xXaS43sz7H2ybgH3BDzkYAPF6Dw3eWXhqWysfCHhGEXdxm60qNjHbSRbMfM4g+d9wB5iAxx2yS97t/1qv0/rQXp/W/5DfEV/L/Z2jv4u8P25nGvWsVvHbai7xo5I2Th9iE7SSNjKAcemDVoeLdW1DUNSXw5oMOoWGlzG3nuJr/yHmlXmRIU8tg5XgZdkBbIzgZrGtPh9qcGhWloklnbLF4gh1RLCKZ3t7KFGBMMLFQT0LY2qoLEAACpYbXWPCp8RSaVf6G+i3F3NeyXt7cskmmSP80oZFUrKAcMAXjPOCehqW7Rfz/KP/B1/wCAG7Xy/OX/AANPwHW/xLub3R/Cd1Y+H2mufE3miO3N2FFuUQtl32crxyQMgdAx4N1PiAtlZa5/wkWnfY7/AEV4lltrSf7Qtx5wHk+UxVCSxO3BVcEenNYXgXwtqMnhb4dXshjiGk28stxHMGWRhLEQuFx1+YEg4xWjr/w7l8Q3fiv7VPbpBrMVn9lLKZNkkGWzIhADKW28ZORnpVzXLJoUXexcXxpqVheTWXiXRLewuzpsuoWqW1+bhJRFjzI2Yxptcbl6BgQTg8VLovifxBrWg6Zq8XhiNINRa3dY/wC0R5sMEi5eVwUA+XjCqSWB52nIrN0zwVLFbX6/8Il4S0G4msJbZJ9JBZ3d1xy3kRlE65HzE5HTHO7p2m63o3hPw/pmntp7z2aW0F805cqYkULIY8AHdx8u4Y9aFvr5fm7/AIWB/wCf5L/gmh4g1y18N6DdatfiRoLZQSkQBeRiQqooJGWLEAcjk1zc/jLxBpV9ocGveGLa2TWbxLRJLXVPP+zsyMxEgMS/N8uAF3A4b5hgbtfxto0Ov+Dr7Tri+TThIEdLuQArC6OroxBIBG5VyMjPSuO8QyeJb7xP4JstcXSLe4j1VbhrbT7iS4adUhk3zfMieWikgYw2S6jcMfMo/El5r7uv9f8ABG/hb8n+Whv2Pjme6vNekuNLis9H0C5mgvL+a7O5hHGH3RxhDu68glccYLcgJY+NtQN9pH9u6GmmWOtsyWMwvfNlVthkVZo9gEZZFY/K74IwfWn2Pgx20jxZpurSxm31+9uJVMDHckUsapzkDDDB6ZHTmszwt4DbSLqxW98JeD4DZoVbVbGLFzPhSoYJ5K+UzZBJ8xscgZzkJXsvRffbX+vzB9bd3/wP6/Isx/EO5e2tdabRkTwzd3iWsN+bw+ewd/LSYweXgRs5AB37sENt7UyTx/rEo8Qy6Z4YS4tfD91LDcyS6h5TTqiByYVEbbmwTlWKj7uGOTtzfD/wyXQJLax/4RTwje29rcbotYni/wBM8oNuG6PycGQD5d/m9QGx/DXQ6d4VvbTSvFltJLbl9avLme3Ks2EWSJUUPxwcjnGaTuotrs7eulv1HpzJPv8Ahr/wDAu9aubr4s6Re+HLBdQa/wDDTSw+fP5ESo0yNudwrFeOBhWOSOgyRsQfENT4dlurvSpU1WPU20kaZDMshlugeFSQ7RtK/PuIGFzxxgnh3wfqGka7ol7czWzR6f4eXS5RGzEtKGQ7lyo+X5TycH2qnL4B1J7bU5Yby1h1D/hIDremuwZ4wQgUJKODyN4OM4yCM4xV6J8vTX/0v/JtkK71e+n/AKT/AJpI2LXxPqdt4is9I8UaRbafJqKObKeyvjcxSOgLPGxaOMq20bhwQQG5BGDU/wCFgf8AFrh4x/szr/y6faP+m3lff2/j09vepotG13WvE2m6p4li0+xg0nzJLa1sLqS482Z0KF3do48BUZgFCnJbOeMHm73wL4tbwJceDbCTR109bgvBfSzy+a8Xn+aI2iEeFPUbw7dPujPC6pf1v/X/AA4/P+v6/rY6W58WanceJtT0fw5pFpfS6UkbXX2vUfszsZF3KI1Eb7hjjcxQZ4zwSF1LxZqR1jUNP8M6LDqjaVEHvpLi9Nsquy7lijxG+99vJztUZXnnjO8Z+E9W8U3ckSaXokRRkFjrv2qRb6xHyksiiL7wYMQBKoIxnvmtq/w7DeLb/WIfDnhzxGmpJGZU1sbJIJUUJlH8mXKsoGVwuCMjOeFrZf1/X9alaXO20TWLXxBoNlq+nljbXsCzx7xhgGGcEdiOlXqqaVZLp2kWtmkFrbiGJUMVnF5cKEDkIv8ACuegq3VStd2JV7ahRRRSGFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHP3PiPVILqWKLwXrlykblVmimsQkgBwGXdchsHqMgH1AqP/hKNX/6ETxB/3/0//wCSq6SigAooooAKKKKACiiigDm/Hn/Iu2v/AGGtK/8AThb10lYni7S77V/D4t9KW3a7ivbO7jS5laON/JuY5ipZVYrkRkZ2nk1W+3eN/wDoXvD/AP4Pp/8A5DoAL7/kqehf9gXUv/R9jXSVy1jY+I7zxpZ6vrljpdjb2en3Nqq2eoSXLyNNJbsCQ0EYAAgPc/eFdTQAUUUUAFFFFABUN5Z22oWU1nfQR3FtOhjlilUMrqRggg9RU1ZuuW+q3dgttot1FZyTSBJrpxueCLB3NGuCGfoBu4Gdx3Y2sAcRPrOoaPfSeFLTWFNmLiK2XWpg0kmnCQEi3diCrTH5RGzHo678tsE3e6TpNnommxWGmxeVBHk8sWZ2JyzMx5ZiSSWOSSSTUFr4d0q08PnRY7ON9PdGSWGYeZ527O8uWyXZiSSTkkkk1FoGm6jpCz2N1di90+Ir9hmldmuFTnMchI+bbxtfO4g4YZXcwBsUUUUAFFFFABUL2dtK5eS3idj1LICTU1FAFf7BZ/8APpB/37FH2Cz/AOfSD/v2KsUUAIAFUBQAAMADtS0UUAFFFFABVS20rTrK+uryzsLW3urwg3M8UKq85HQuwGWxk4zVuigAooooAKzdX8N6H4gMR17RtP1Mw58r7bapN5ecZxuBxnA6elaVFAEVra29jaRWtlBFbW8KhIoYUCIijoAo4A9hUtFFABRRRQAUUUUAFY9x4R8N3mrf2pd+HtKn1Her/bJbKNpty42neVzkYGDnjArYoo8wCiiigAooooAiubaC9tZba8gjuLeZCkkUqBkdSMEEHgg+lUdI8NaFoDStoOi6dphmAEpsrRId+OmdoGcZPX1rTooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigBGZUUs5CqoySTgAVh2Pjjwnqd7HZ6b4o0a7upTiOC31CKR3PXAUNk1q6j/AMgu6/64v/6Ca4b4Tavey/D/AMNWUnh3UoLcadEBfySWxhYBBggLMZMHtlM884oWt/K343/yB6Jed/0/zOtXxLo8lxp0MOoQztqbSJZtAfMSUxglwGXKjAB6kdMda1K8k0jU11G++Ht79is7BPtmqDyLKHy4kCrKuQvOCcZPqSaW1+MK3C2WqrrPh17G8vo7ddEjlDagkTv5ayM3m43AkOY/L4XI3ZGaFq7IHomz1qiiigDH1Txd4b0O8FrrXiHStOuSocQ3d7HE5U9DtZgccHn2rTtrmC9tYrmzmjuLeZA8UsThkdSMhgRwQR3Fefvqd3pvxq102eh3+rF9Hstwsnt18vEk/XzZU6+2elbWpeINXuvE9t4e0CO1srtrEahd3GoxGYW6FiixiON13uWDZIfAC/xZFC2Xn/wf8gejfl+tv8zXPiXR0n1KKbUIYDpTRpetOfLSEuoZMs2F5DDoe+OtanWvG5tQvtLt/ideazZaXf3dvPZ74ZIS9tPiGMKxjY5GRhtuTtPG5sZO/ZRa43x21IpqFgLcaRas0ZsXLGHzpcIG87AbOfnwRyPlGORatLv/AJXB6Jv+t0v1PRaKKKAILO+tNRtRc6fdQ3UDMyiWCQOpKkgjI4yCCD6EVBFrmkz3S20OqWUk7yyQLElwhZpIxl0Aznco6jqO9cFZ6snw+v8AxzZ3IzbQK2vWCf31lBDxj/tsp4/6aCjRLQ+D18C6TeWlpc3l4bua8vJ4d00UzRNNK0bfw5YkHrlRildWu+y/H/KzTB6O3r939NHpdFeS2vxhW4Wy1VdZ8OvY3l9HbrokcobUEid/LWRm83G4EhzH5fC5G7IzWjqvxE1rTvCF7NFY2c2vWeqz2LWwV/LdIg0xcKCWBNuoYc/eYduKf9fl/mh21t/XX/JnpNFc7pfiKbV/GF7ZWghbTLSwt5jLtO9ppizBQc4wEVTjGfnFdFTtbclNPYKKKKQwooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigCO4i+0WssOdvmIVzjOMjFZvhbQ/8AhGvCel6J9o+0/wBn2qW/nbNnmbRjO3Jxn0yas/2tb/8APO8/8Apv/iaP7Wt/+ed5/wCAU3/xNG1/6/rcDmNJ+Ho0xfDobUvOGiT3cxBt8ef5+/j7x27d/vnHarGieFda8PJDpum69broVvNuhtpNPLXMcW7d5Qm83bt6qCY8heM5G6t/+1rf/nnef+AU3/xNH9rW/wDzzvP/AACm/wDiaFo7gXaKpf2tb/8APO8/8Apv/iaP7Wt/+ed5/wCAU3/xNAGDe+F9aTxpeeINB1mwtWvLOG1lgvdNe4x5bOwYMs8eM+YeCD0pb7wrq02s2WvafrVtaa3Famzu3awaS1uoslgDF5oZSGOQRJxkg5zW7/a1v/zzvP8AwCm/+Jo/ta3/AOed5/4BTf8AxNH9f194f1/X3HHy/DW4udK8VW17r7XFx4keGSSdrUAQFFVcKoblfl4GcgYBLHJO5N4buk8bp4h03UIYfMtEs7y3ntTL5saOzKUYOuxvnYZIYdOOOdT+1rf/AJ53n/gFN/8AE0f2tb/887z/AMApv/iaOqfb/K35B0t/Xcu0VS/ta3/553n/AIBTf/E0f2tb/wDPO8/8Apv/AImgDnvGPgCDxdrei6hLevajTpc3ESx7heQ70k8pjkYG+NGzz0PHNamr+HRqviLQ9Ua58saS8zGEx7vO8yMpjOeMZz0Oau/2tb/887z/AMApv/iaP7Wt/wDnnef+AU3/AMTR0sG7uYGieFda8PJDpum69broVvNuhtpNPLXMcW7d5Qm83bt6qCY8heM5G6pIvBFtH4/u/ErXBZLm38s2fl4USkKjS7s8koirjHGDzzW3/a1v/wA87z/wCm/+Jo/ta3/553n/AIBTf/E0eoGN4F8HL4K0SWwF81/JLOZDcPHsbYFVI0PJztRFXPfGe9dNVL+1rf8A553n/gFN/wDE0f2tb/8APO8/8Apv/iad29wLtFUv7Wt/+ed5/wCAU3/xNH9rW/8AzzvP/AKb/wCJpAXaKpf2tb/887z/AMApv/iaP7Wt/wDnnef+AU3/AMTQBdoql/a1v/zzvP8AwCm/+Jo/ta3/AOed5/4BTf8AxNAF2iqX9rW//PO8/wDAKb/4mj+1rf8A553n/gFN/wDE0AXaKpf2tb/887z/AMApv/iaP7Wt/wDnnef+AU3/AMTQBdoql/a1v/zzvP8AwCm/+Jo/ta3/AOed5/4BTf8AxNAF2iqX9rW//PO8/wDAKb/4mj+1rf8A553n/gFN/wDE0AXaKpf2tb/887z/AMApv/iaP7Wt/wDnnef+AU3/AMTQBdoql/a1v/zzvP8AwCm/+Jo/ta3/AOed5/4BTf8AxNAF2iqX9rW//PO8/wDAKb/4mj+1rf8A553n/gFN/wDE0AXaKpf2tb/887z/AMApv/iaP7Wt/wDnnef+AU3/AMTQBdoql/a1v/zzvP8AwCm/+Jo/ta3/AOed5/4BTf8AxNAF2iqX9rW//PO8/wDAKb/4mj+1rf8A553n/gFN/wDE0AXaKpf2tb/887z/AMApv/iaP7Wt/wDnnef+AU3/AMTQBdoql/a1v/zzvP8AwCm/+Jo/ta3/AOed5/4BTf8AxNAF2iqX9rW//PO8/wDAKb/4mj+1rf8A553n/gFN/wDE0AXaKpf2tb/887z/AMApv/iaP7Wt/wDnnef+AU3/AMTQBdoql/a1v/zzvP8AwCm/+Jo/ta3/AOed5/4BTf8AxNAF2iqX9rW//PO8/wDAKb/4mj+1rf8A553n/gFN/wDE0AXaKpf2tb/887z/AMApv/iaP7Wt/wDnnef+AU3/AMTQBdoql/a1v/zzvP8AwCm/+Jo/ta3/AOed5/4BTf8AxNAF2iqX9rW//PO8/wDAKb/4mj+1rf8A553n/gFN/wDE0AXaKpf2tb/887z/AMApv/iaP7Wt/wDnnef+AU3/AMTQBdoql/a1v/zzvP8AwCm/+Jo/ta3/AOed5/4BTf8AxNAF2iqX9rW//PO8/wDAKb/4mj+1rf8A553n/gFN/wDE0AXaKpf2tb/887z/AMApv/iaP7Wt/wDnnef+AU3/AMTQBdoql/a1v/zzvP8AwCm/+Jo/ta3/AOed5/4BTf8AxNAF2iqX9rW//PO8/wDAKb/4mj+1rf8A553n/gFN/wDE0AXaKpf2tb/887z/AMApv/iaP7Wt/wDnnef+AU3/AMTQBdoql/a1v/zzvP8AwCm/+Jo/ta3/AOed5/4BTf8AxNAF2iqX9rW//PO8/wDAKb/4mj+1rf8A553n/gFN/wDE0AXaKpf2tb/887z/AMApv/iaP7Wt/wDnnef+AU3/AMTQBdoql/a1v/zzvP8AwCm/+Jo/ta3/AOed5/4BTf8AxNAF2iqX9rW//PO8/wDAKb/4mj+1rf8A553n/gFN/wDE0AXaKpf2tb/887z/AMApv/iaP7Wt/wDnnef+AU3/AMTQBdoql/a1v/zzvP8AwCm/+Jo/ta3/AOed5/4BTf8AxNAF2iqX9rW//PO8/wDAKb/4mj+1rf8A553n/gFN/wDE0AXaKpf2tb/887z/AMApv/iaP7Wt/wDnnef+AU3/AMTQBdoql/a1v/zzvP8AwCm/+Jo/ta3/AOed5/4BTf8AxNAF2iqX9rW//PO8/wDAKb/4mj+1rf8A553n/gFN/wDE0AXaKpf2tb/887z/AMApv/iaP7Wt/wDnnef+AU3/AMTQBdoql/a1v/zzvP8AwCm/+Jo/ta3/AOed5/4BTf8AxNAF2iqX9rW//PO8/wDAKb/4mj+1rf8A553n/gFN/wDE0AXaKpf2tb/887z/AMApv/iaP7Wt/wDnnef+AU3/AMTQBdoql/a1v/zzvP8AwCm/+Jo/ta3/AOed5/4BTf8AxNAF2iqX9rW//PO8/wDAKb/4mj+1rf8A553n/gFN/wDE0AXaKpf2tb/887z/AMApv/iaP7Wt/wDnnef+AU3/AMTQBdoql/a1v/zzvP8AwCm/+Jo/ta3/AOed5/4BTf8AxNAF2iqX9rW//PO8/wDAKb/4mj+1rf8A553n/gFN/wDE0AXaKpf2tb/887z/AMApv/iaP7Wt/wDnnef+AU3/AMTQBdoql/a1v/zzvP8AwCm/+Jo/ta3/AOed5/4BTf8AxNAF2iqX9rW//PO8/wDAKb/4mj+1rf8A553n/gFN/wDE0AXaKpf2tb/887z/AMApv/iaP7Wt/wDnnef+AU3/AMTQBdoql/a1v/zzvP8AwCm/+Jo/ta3/AOed5/4BTf8AxNAF2iqX9rW//PO8/wDAKb/4mj+1rf8A553n/gFN/wDE0AXaKpf2tb/887z/AMApv/iaP7Wt/wDnnef+AU3/AMTQBdoql/a1v/zzvP8AwCm/+Jo/ta3/AOed5/4BTf8AxNAF2iqX9rW//PO8/wDAKb/4migChRRRQAUUUUAFFFFABRRRQBAb21BINzCCOo8wUn260/5+of8Av4K8j+xy6hrz2lsAZZZ2VQxwM5NbP/Cvdd/55wf9/RXlTzGMHaVvvPrJ5HhaVva17N66pf5nof260/5+of8Av4KPt1p/z9Q/9/BXlup+EPEWmrGY9Imvw+dxtJIz5eMdQzA857Z6Gsz7LcRDN/a3mnqOsl5YzxxqPUybNg/FqFmKkrpJ/My/snAf9BK/D/M9l+3Wn/P1D/38FH260/5+of8Av4K81tPBWp6hapc2EtndW8gyksNyrqw9iODU/wDwr3Xf+ecH/f0VH9qQXb7x/wBkYH/oJX4f5nof260/5+of+/go+3Wn/P1D/wB/BXnn/Cvdd/55wf8Af0Uf8K913/nnB/39FH9qU/L7w/sjA/8AQSvw/wAz0P7daf8AP1D/AN/BR9utP+fqH/v4K88/4V7rv/POD/v6KP8AhXuu/wDPOD/v6KP7Up+X3h/ZGB/6CV+H+Z6H9utP+fqH/v4KPt1p/wA/UP8A38Feef8ACvdd/wCecH/f0Uh+H+uAElIAB1JmFH9qU/L7w/sjA/8AQSvw/wAz0T7daf8AP1D/AN/BR9utP+fqH/v4K8emsikjpayf2k0bbZBpkMt4Iz6MYlYKfYkU1NI8QygtB4Y1WRByWMaR8euHdT+GM+1af2guy+8X9k4Bf8xK/D/M9j+3Wn/P1D/38FH260/5+of+/grxr7Fex5+3abqVnt+802nzlF9cuiMoA9ScfrWzY+DtQ1S1FzplxY3luxwJbe6WRCfqMilLMYx1a/Ef9k4D/oJX4f5npn260/5+of8Av4KPt1p/z9Q/9/BXnn/Cvdd/55wf9/RR/wAK913/AJ5wf9/RUf2pT8vvD+yMD/0Er8P8z0P7daf8/UP/AH8FH260/wCfqH/v4K88/wCFe67/AM84P+/oo/4V7rv/ADzg/wC/oo/tSn5feH9kYH/oJX4f5nof260/5+of+/go+3Wn/P1D/wB/BXnn/Cvdd/55wf8Af0Uf8K913/nnB/39FH9qU/L7w/sjA/8AQSvw/wAz0P7daf8AP1D/AN/BR9utP+fqH/v4K88/4V7rv/POD/v6KxLrTWtbmW2S4ivbqH/W2+nq93LH2+ZIlYr174qo5lGW2vzD+yMB/wBBK/D/ADPXvt1p/wA/UP8A38FH260/5+of+/gryPT9A1zUrxIYdEv4o2z/AKRcxeSg4JGQ5Dc4x9364rZ/4V7rv/POD/v6KUsyhF2dvvD+ycB/0Er8P8z0P7daf8/UP/fwVLHIkq7onV19VORXk2seGtQ0KGOS/WMLIxVdj7ua7jwJ/wAiun/XV/5104fFqu7JHPjsqpYbDLEUqnMr22/4J0lFFFdx8+FFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUVw2kw61rUN5eP4r1S1A1G9gSG3gs9kaRXMkaAb4Gb7qDkkmrhBzdkc+IxNPDQ56m2x3NFcp/Ymsf9Dprf/fix/wDkaj+xNY/6HTW/+/Fj/wDI1a/V5nD/AGvhe7+46uiuU/sTWP8AodNb/wC/Fj/8jUf2JrH/AEOmt/8Afix/+RqPq8w/tfC939x1dFcp/Ymsf9Dprf8A34sf/kaj+xNY/wCh01v/AL8WP/yNR9XmH9r4Xu/uOrorg9X+26OsQm8ZeIbi4nOIbW2tLKSWXHUhRbdAOpOAPXkVZsLO+1O0W5sfHOtSxkkH/R7IFSOqsptsqw7ggEdxS9hPYf8AauHtza29Ds6K5T+xNY/6HTW/+/Fj/wDI1H9iax/0Omt/9+LH/wCRqf1eYv7Xwvd/cdXRXKf2JrH/AEOmt/8Afix/+RqP7E1j/odNb/78WP8A8jUfV5h/a+F7v7jq6K88gvZbi/W2j8b6/wCXI5ihujaWQgmkGdyI/wBmwSPyJyASQwGx/Ymsf9Dprf8A34sf/kal7CbHLNcNHe/3HV0Vyn9iax/0Omt/9+LH/wCRqP7E1j/odNb/AO/Fj/8AI1P6vMX9r4Xu/uOrorlP7E1j/odNb/78WP8A8jVT1K3v9LhRrjxrrjSTN5cECQWBknfsqj7PyfyAGSSACaXsJgs2wzdlf7jt6K4jTIL3VrdpbTxvrhMbGOWJoLEPC46o6/Zsqw9PoRwQauf2JrH/AEOmt/8Afix/+RqPYTB5thk7O/3HV0Vyn9iax/0Omt/9+LH/AORqP7E1j/odNb/78WP/AMjU/q8w/tfC939x1dFcp/Ymsf8AQ6a3/wB+LH/5Go/sTWP+h01v/vxY/wDyNR9XmH9r4Xu/uOrorlP7E1j/AKHTW/8AvxY//I1RK2q6L4g0WKbX77VIdSu3tZYryK3AQC3mlDKYokO7MQHJIwzcZwRMqM4q7Lp5nh6s1CN7vyOwooorE9MKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDyvQf8AkfLf/r7b+Zr2CvH9B/5Hy3/6+2/ma9gr4fH/AMRH1uffxaf+EKKKK88+dMS78I6TPdSXlpE+mX0nL3enP5Ejn1fb8sn0cMPaoP7Q1vQuNYtzqlkvW+soz5yD1eEcn6pk/wCzXRUVp7R7S1CxV07U7HV7QXWmXUV1CSV3xMDhh1U+hHcHkd6tVh6j4XhnvpdT0m6l0nVZFAa6twCsuBx5sZ+WQDpz8wHQiq8PiefS5oLPxfbLYTS/Il/CSbOZ8dNx5jJ5wr8dgzGnyKWsPu6/8EDpKCQASTgDqTWLqvie1sLptPs45NT1YKGXT7XDOAejOekan+8xA9Mniqa+HLzXJI7jxhPHLGoyuk2rN9lU9/MJwZz/ALwC/wCxnmkoaXlogH/8JPNq7NH4QtF1FVYo+oTOY7RCOoVsEynr9wFcjBZTSjwjHfkSeKL2bWZOpgcmK0HsIAdrD/rpvPvXQRxpDEkcSKkaKFVFGAoHQAdhTqftLfBp+YDIYYreFYreNIo0GFRFCqo9gKfRRWQBWNe+E9Hvbs3gtfsl8Rj7ZZu0E3tlkI3fRsj1GK2aKqMpR1TA53z/ABBoXFzEdfsh/wAtoAsd1GP9qPhJPqpU+imtTSdZ0/XLVrjS7lZ0RzHIuCrxOOqujAMjD0YA1erG1bw1balOby1nn03UwoCX1owV+OgcHKyL/suCPoeau8ZfFp/Xb/IDZorm/wDhIbzQ5xb+LLdI7bGE1iD/AI92/wCuqnmE/Xcv+0OlXNV8UadpSwJue9u7pN9rZ2S+bNcD1UA4C/7bEKO5FL2cr2SC5sVgT+J/tNxJaeG7NtWuEYo8yvstYWHBDzYIJB6qgZh3AqJ9D1HxBhvEtz5Fg6EHSLNiAcn/AJazAhpOP4VCryQd4wa37a2gsrWO2s4I7eCJQscUSBVQDoABwBTtGO+r/D+v6uBhjwzJqsZbxZdnUCxBFpCWhto+vy7AcydeTIWHAIC8itu0srXT7VLawtobW3jGEihjCKo9gOBU1FTKcpaMAoooqAOI+Jv/ACDbH/rs38qn8Cf8iun/AF1f+dQfE3/kG2P/AF2b+VO8A3MMnh8wJKjTRSsXjDDcuemRX0+UbL5nvYj/AJEsP8X+Z1NFFFfQnywUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXJ+EP+QNd/9hfUv/S6et3WNb0zw/psl/rV9DZWsYy0kzYH0Hcn2HJrnfA9zDeeG5bm1kWWCbVNRkjkQ5Dqb2Ygg+hBrpw3xniZ1/u8fX9GdFRRRXefJBRRRQAVi6jrUxvDpmgwpd6gMeczn9zaKf4pCOpxyEHzN7D5hA+o3niGTyfD83kacCRNqgAbfg8rADwx9ZCCo7bjnbr6dp1ppVmtrYQiKFSWxksWYnLMzHJZiSSSSSScmp32NbKGst+3+f8AkV9J0WLTDJPJK93f3GPtF5NjfJjoABwqjPCjgdeSSTBqOjzpcvqWgSpa6g2DKjrmK7AGAsg6g46OOR7j5Ts0U7KxPPK9zN0rWoNUMsJRre9tsC5tJRh4ieh/2lPOGHBwe4IGlWbq+jR6osciSvaX1vk215EBvhJHvwVPdTwaym8Wf2RILDxHbumos2y0FshZdRPAzEP4TluVY/LyclQWpXtuVyc/wfd/X9fmdBeXltp9nLdX08dvbxLuklkYKqj3JrEa2u/FOft8c1loxxttmBSa7H/TUdUT/Y+8f4sDKmS00e51G6i1HxL5byxP5lrYod0VoR0Yn+OT/aPA/hA5Lb1G4XUNt/62/wA/u7lW50yxvNMbTrm0hks2j8swFBs24xgDtx6dKxRcXnhYsNReW90VeUuz80tmoAwsneRevz8sP4sjLDpKQgEEEZB6g07ExnbR6oSORJY1kidXRwGVlOQwPQg06ufk0660CZ7rQke4smy02lhh1JyWhLEBT6pkKe20kkwx+In8TI8HhOTaqNsudQmiIW2PdFRh80o9CML/ABcjaVfuV7NvWO35ev8AXoaGqa0ba5GnaZB9t1R1DLbhtqxKSQJJW52JkH1JwQoODhNJ0P7HcNqOpTfbtWmQLLclcKg/uRLzsTPbqeCxJ5q1pek2ukWzRWiktI2+aaQ7pJ37u7dWP8hgDAAFXadu4nJJcsTJ1LRPtF2NS0yVbPVETYs5Qskq/wByVQRvX05BGcgil0zW1u7hrG+jFlqca7pLVnB3AYBeM/xpk9cAjIyATitWqGq6Ra6vCq3AZJoiWguYjtlgbGNyN1HoexHByKLdgUk1aRforBtNYutOvYtM8SbBLMxW1volKw3HICq39yU5+70b+E/wjeoTuTKLjuFFFFMkKw9b/wCRj8Jf9haT/wBIbqtysPW/+Rj8Jf8AYWk/9IbqsqvwM7cv/wB6h6nV0UUV5h92FFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQB5XoP/ACPlv/19t/M17BXj+g/8j5b/APX238zXsFfD4/8AiI+tz7+LT/whRVPU9X07RbQXWsX9tYW5YIJbmZY1LHooLEc8Hisn/hO9Cl4sJbrUifu/2fYzXAP/AAJEKge5IHvXFGnOSukfO3Oiornf7c1+9/5BXheSJe0uq3iW6keyxiR8+xVe34A0LWtQIbXfEEiR97TSYvsyEejSEtKT23I0f09H7O3xNL8fyC5e1TxFp2kTJb3ErS3kozFZ20bSzye4RQTj1Y4UdyBWfNZ674jjeLUCuiabICrW0RSa6lX0d8FI/Qhd/HRwa1tL0TTNEhePSbGC0Eh3SGJAGlb+87dWPuSTV6nzRj8K+b/r/MDlLLwg3hSNv+EHMVvAxDS6ddOzRSkADcshy6NgAZ+ZePu55q5F4usoZ0tddjk0S7chVS9IEcjHoElBKNnsMhvUA8Vv0yaGK4geG4jSWKRSro6hlYHsQeoodTm+PXz6hbsPornT4SFjj/hGtUu9HUdLZCJrYewifIQeyFf1NH27xXYcXej2eqoOTLp9z5Mjewil+XP1kpcifwv9P+B+IHRUVzjeN9Ptl/4m9jq2lsOv2jT5GUf9tIw6f+Pd6dB4/wDB9zC0sPijRyigls30alQOuQTkfjR7Kp/KwujoaK5pPiF4YuMjTtRbVCOMaZby3fP/AGyVqf8A8JBrV5xpXha6UH7s2pXEdvH+Sl5B+KD24wafsprdW9dPzC6OirO1XX9M0Xy11G7SOab/AFNuoLzTH0SNcs59gDWd/Y/iLUf+Qt4gWzi/54aRbiMn2aWQuSP90IenPXOjpXh/S9E8w6ZZRwyS/wCtnOXll93kbLMfqTS5YR3d/QDNL+INeBWJP7AsG6ySBZbuQeycpHn1beexUGqmn+BIfCyySeB5U055SGnt7kGaG5IGMtzuVvdTj1B6V11FP2skrR0XYLHPp4rjs5Eg8T2raLO3CySP5ltIf9mYAAfRwjHsO9b6srqGQhlYZBByCKSSNJo2jlRXRhhlYZBH0rAbwfbWrGTw7e3WhMTnyrNlMBPf9w4KDPcqFJ9aXuS8vy/z/MNToaK537R4t07iex0/Wox/y1tZTay/9+33KT7+YPpR/wAJnb2//IW0nWNM95rFpV/77h3qPxNHspPbX0/q4XOiorH07xd4f1a8Wz0/WbKa7bJW184CY4GT+7PzdAe3Y1sVMoyi7NWA4j4m/wDINsf+uzfyryLV/hv4su3Xxn4F1Ro7+MeW1pGxjkIX+62cNn+6cfj0r134m/8AINsf+uzfyqfwJ/yK6f8AXV/519LlGy+Z72I/5EsP8X+Z5h4P/aC8m8XRfiPYSabexny3vFjKqG4/1keMr9Rkc9AK9stLy21C0jurGeO4t5RujlicMrD1BHWsHxh4B8P+OLA2+u2SvKoxFdR/LNF9G9PY5HtXil54G+IPwavX1XwZfSavo+d00CoTx/00izzx/GvPXpX0J8sfSFFeWeAvjv4f8WMllq+NF1M4ASZ8wyn/AGX4wfZsexNep0AFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUV5948+MfhvwOktuZRqerJwLC3flT/tvghPpyfagDvpZY4ImlmdY40GWdzgKPUmvHPG/7Qem6ZOdN8E241vUGJTz8HyFbttxzIc+mB6E1x6af8SPjrcRyak/9i+Gy29MoVhIzwVXO6ZuOpOBzgrmvY/A3ws8N+AoxLpdsZ9QKbZL64O6Q+oXso9h+JNAHlOjfCLxh8SNRXXfihqlzaQn/AFdqQPO255UJ92IfhnPUd69T+H2n2+k+Ef7OsUKW1nqN/BCpYkqiXkyqMnrwBXbVyfhD/kDXf/YX1L/0unrpw3xniZ1/u8fX9GbtFFZ+raxBpECtIkk9xMStvawLulnYDO1R/MnAA5JA5rvPk0nJ2RYvb6202ylvL+dILeFdzyOcBRWILa98TuJNRjlstGx8ti4KTXXvN3RP+mfU/wAfGUqez0a4vL+PVPELrLcRkm2s4zmC19xn78n+2QMdFC5Odyp3NLqHw79/8v8AP7u41EWNFSNQqqMKqjAA9KdRRVGQUUVgTatdaxePY+HWCwxkrc6oyho4iDgpGDxJJkYJ+6vfJGwpuxUYuRY1TW2t7tdN0uD7bqki7hFuwkCngPK38K+g5LYOAcHEEfhOzuLW5/txv7TvLtCk9y67Cq53BIwD+7VTggA5yASS3NaWmaXa6TafZ7NWAZi8kjsXeVz1d2PLMcdT6AdBVyla+5fPy6QOfF/deHHEWtzfaNM58vUmwpgHZZ//AI5wP7wHU74IIBByD0IoZQ6lWAZSMEEcEVzps7rwtl9JhNzo4y0lggJkt/eHJwV9Y+MD7vTaTYNJ+T/M6Oo5p4raB5riVIoo1LPJIwVVA6kk9BWfL4i0uPSk1FLtZ4JTshEPzvK/PyKo5L5BG3qMHOMGqcOk3Wtzx3viWMRxROJLbSwwZIyGyrykcPJwDjlVPTcQGp37CUOstERh7zxYoMf2jT9EJ+/zFcXq+3Rooz68O3baOWnufDos2W78NeXp91EmwQKu23nUDhHQcDHZhgj3GQd2ilbuP2jXw6LsZmk63FqTSW8sMlnfw586znwHUZxvX+8h7MOD04IIGnWdqui2+q+VKzyW15b5NveQECWEkjOCQQQcDKkEHuKq2GsXEF0uneIkjgvHYiCeMEQXQycbSfuvjkoTnqRuAJDvbcHFSV4/cbdFFFMyIbu0t7+0ktb2CO4glG14pUDKw9CDWF5t54WGLkzaho+7ickyT2mT0fu8Y/vcsO4IyR0dFJouMraPYbHIksayROro4DKynIYHoQadXPS6ZdaBI914cg862dt8+lhwikk/M8OeFbvtyFY+hJatfTtStdVtBc2Um9NxVgylWRh1VlPKkehouEo2V1sWqw9b/wCRj8Jf9haT/wBIbqtysPW/+Rj8Jf8AYWk/9Ibqs6vwM6sv/wB6h6nV0UUV5h92FFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQB5Tc+Hdb/tCaWGxnGZGZWXjvS/2P4m/wCeN7/32f8AGvVaK4XgqberPpv9Y69knTj+P+Z5FdeGfEN5s86PVF2Zx5N3JF19drDPTvVb/hDNc9Nb/wDBncf/AByvZqKPqUF1ZnLPpSd3Rg/keM/8IZrnprf/AIM7j/45R/whmuemt/8AgzuP/jlezUU/qce7F/bj/wCfMPuPGf8AhDNc9Nb/APBncf8Axyj/AIQzXPTW/wDwZ3H/AMcr2aij6nHuw/tx/wDPmH3HjP8Awhmuemt/+DO4/wDjlKPBuuL0GtfjqVwf/aleoSeILaKdYXtr0SPnYv2V8tjrjjmtGGUTQrIFdAwztdSrD6g9KlYWm9FI2nm1WmlKeHgr+R5APCOvKeF1n8dQnP8A7PSTeDdYuFC3NpqE4XoJbmR8fm1eyUU/qcO7Mv7dla3sYfceJH4dSN/rPDkch7GSBWx+dTR+BbyJSItBVARghYVGa9noqvqkf5mVHiCpHalH7jxNvh3I7bm8NQlsY3fZ0z+dPj8B30Dh7fSbiFlOQ0TlCD68GvaaKX1SP8zE8+m96MPuPHm8J6+2cprHPpfzD/2emHwfrp/h1r/wYz//ABdevw3EU/meS+7y3KP7MOo/WpaX1OHdhLPJp2dGH3HjP/CGa56a3/4M7j/45R/whmuemt/+DO4/+OV7NRT+px7sn+3H/wA+YfceM/8ACGa56a3/AODO4/8AjlH/AAhmuemt/wDgzuP/AI5Xs1FH1OPdh/bj/wCfMPuPGf8AhDNc9Nb/APBncf8Axyj/AIQzXPTW/wDwZ3H/AMcr2aij6nHuw/tx/wDPmH3HjsHhPX7aZZY01gsvQSX8zr0xyrOQfyq7/Y/ib/nje/8AfZ/xr1Wik8FB7suPEFSCtGlFfI8ml0DxDOAJrS6kA6B2zj9a7zwfZ3Fh4fWG8iaKQSMdrdcVu0VrSw0aUrpnLjc4q4yj7GUUle+gUUUV0ninnXj74MeHfG++7jT+ytVIP+l26DEh7eYnAb68H3ry+DW/iL8Dbz7Jq8Da14dVwI3LM0QB/uSYzGf9k8Z6A9a+lajmhiuIXhuI0likBV0dQysD2IPWgDk/BHxN8O+O7VDpd0Ib7GZLCdgJVx1wP4h7j8cV2FeKeN/2ebC9lk1TwNcnSb8HzFtSxELN1+UjmM/mPYdawtD+MvizwDfxaH8T9JuZokARboribAx8277so9859STQB9EUVl6B4l0fxRp4vdA1CC9gONxib5kPoy9VPsQK1KACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooqlq2sadoWnvfazewWVqnDSzuFXPYc9T7daALtc94s8deHvBVl5/iDUI4HZS0VuvzTS/7qdTzxnoO5FeSeJvjvq3iLUv7D+FOlz3M75H2x4C7sP7yR/wAIHXc/4gVN4T+AE+o3h1v4oahNf3sxDtaJOWJPpJL1PpheB/eNAGPqHxD+IHxcvZtK8A6fLpmklvLluVO1gP8AppN0XI52rz2y1dr4E+APh/w0IbzxBt1rUl5xIv8Ao8Z/2UP3serfXAr1DT9Os9KsY7LTLWG0tYhhIYUCKo9gKs0AIAAAAMAdAKWiigArjNP07xZo6XVta6bo11A99dXMcsmqSxMVmuJJQCot2AID4+8eldnRVRlKLujCvh6eIjy1FdHLb/GX/QE0L/wdTf8AyLWLd+FdcvdYl1WXQtPS9lQRtLB4rvoflGMKAkAAHGcAYzk9TmvQ6Kt1pvdnNHLcLHWMbfN/5nnf/CLeIf8AoGRf+FpqX/xqj/hFvEP/AEDIv/C01L/41XolFHtZlf2fh+z+9/5nnf8Awi3iH/oGRf8Ahaal/wDGqP8AhFvEP/QMi/8AC01L/wCNV6JRR7WYf2fh+z+9/wCZ5zJ4S16WNo5dKgdHBVlbxnqJDA9QR5VNg8Ha3a28dva6PbwwxKEjjj8Zaiqoo6AAQ4Arttc1/T/D1klzqcrqJZBFDFFG0kk0h6IiKCWY46CqejeL7DWdSfTfIvdP1BY/OFrqFs0LvHnG9c8MM8HB470e1n/Vg+oYfs/vl/mcz/wi3iH/AKBkX/haal/8ao/4RbxD/wBAyL/wtNS/+NV6JRR7WYf2fh+z+9/5nnf/AAi3iH/oGRf+FpqX/wAao/4RbxD/ANAyL/wtNS/+NV11h4istTuvJs1uJMT3Fu0ggbYjwOEcM3QcnjPXBx0rWo9rMP7Pw/Z/e/8AM8wj8A6jDeG7i8PWMdyWZzMvi7UA5ZgAx3eTnJCrn1wPSrf/AAi3iH/oGRf+FpqX/wAar0Sil7WX9WG8DQe6f/gUv8zzv/hFvEP/AEDIv/C01L/41R/wi3iH/oGRf+FpqX/xquk1rxjYaHq0emzWuo3d3JB9oEVjZSXBCbtuTsBxzxV/RtYj1uze5htL60VZDHsvrV7dzgA5CsASOevsfSn7WYv7Pw/Z/e/8zjP+EW8Q/wDQMi/8LTUv/jVMl8H65OoWfSLeRVZXAfxlqJAZTkHmHqCAQfUV6PRR7WYfUMP2f3y/zPO/+EW8Q/8AQMi/8LTUv/jVH/CLeIf+gZF/4Wmpf/Gq9Eoo9rMP7Pw/Z/e/8zzv/hFvEP8A0DIv/C01L/41R/wi3iH/AKBkX/haal/8ar0Sij2sw/s/D9n97/zPO/8AhFvEP/QMi/8AC01L/wCNVY0rQfEOi3N1cWGgaT592EE8s/iS7nZwmdvMlux43Hp613lFHtZieX4ZqzT+9/5nLb/GX/QE0L/wdTf/ACLUQ07xNqGv6LcanYaTaWunXb3Ltb6jJO7Zt5ogoUwIOsoOd3QV11FDrTas2FPL8LTmpwjqvN/5hRRRWR3hRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAGRf8A/IzaR/uz/wDoK1U1I3Nz4he28oTRR26ukTXTQAkk5b5Qc4wB7fjW+0UbypI0atJHnYxXJXPXB7VHc2NreqovLaGcKcr5qBsfnWUoN3O+liYwcbrZNfi3darvbdHPWomvn0iK7uWkRkuN5imbEoVlC5YYJx698e9MWExaY90txcGW21Hyoi0zHagnCbcZwRgnrXTiCFWjKxIDGpVCFHyA9QPQcD8qT7NAYzH5Mexn3ldgwWznOPXPOfWp9ka/X1dWVlfb5tv707HMSbRpeq3q3Uxu7e7lEX75vkIf5UC5xz6Y5zS3L3d1f6kZUH+j7QhN60PkLsB3AAEHnJyfTFbVpo1tbyvNLDDLOZ3lSUxjcu5icZ9s1YuNPs7uRZLq0gmdPutJGGI/Ol7OTRq8bSjN2V/PttotVpp+PrfFt0e91WF7+d2EenQzMIpGVWfc3zYGPTpVSOV1fS7uISItzcqBNNdlpJlbOQUHy4/lxXViKMSmUIokKhS+OcDtn05NV49LsInLxWNujFgxKxKDkHIPT15pumzOOOhrdadumzv2/U5+3CWtyDE7Ju1go/7w8jY2AefU/wAqk1O4kkOsrBcuu2W1RWR/uEsAcelb0mn2UplMlpA5mx5paMHfjpn1pUsLSOIxR2sKxnGVEYAODkcex5o9m7WH9dp86m029Pwaf6WMTUoZLe/sNPtUaS3dZH8uS7dPMYY4L8k4yTj/AAq7oDTfZriOZ1ZY52VAsxl8sYHyliBnBz/LtWhcWtveReVdwRzJnO2RQwz+NOhhit4lit40ijXoiKAB+AqlBqVznniozoKm1r3+bd99+m3z6ElFFFanCFFFFABRRRQAUUUUAFFFFABRRRQAVm674f0rxLpb6drtjFe2z/wSLnafVT1U+45rSooA+ffEHwT8Q+CtS/t/4V6pcM8eS1mzgShc52g/dkX/AGWGeO9ang39oGNrz+x/iLYtpF9GQhuRGypnHSRD8yH35HPavbq5bxn8O/Dvju08vXLP/SFXbFeQ4WaP6N3Hscj2oA6O1u7e+tY7mxuIrm3kGUlhcOjj1BHBqavm268J/ET4LX8194Rnk1jQt2+SLYXXH/TSIHIPbevb06V6H4C+Ofh3xdHHa6o6aNqh4MU8gEUh/wBhzgfgcHtzQB6fRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFNkkSGJpJXVI0BZmY4CgdSTXD+Ovi74Z8CiS3urj7bqYXK2NsQWB7b26J+POOQDXkgX4mfHOQkn+xfDMj4xykJUH/vqY/+O5H8NAHaeO/2gNH0Xfp/g9U1vUydiyrk26H6jmQ9OF4/2u1cppXwr8cfE/VI9Z+JeoXFhYnLJan5ZgD/AApHjbEPdhnjkHrXqfgb4SeGfA0cc1rbfbdTUfNf3IBcHvsHRB9OcdSa7mgDD8L+DtC8G6f9k8PafHaqwHmSYzJKR3Zzye/sM8YrcoooAKKKKACiiigAooooAKKKKACiiigAooooA4jxZNFp/wASPCOpak6x2Crd2yzSHCRXEipsyegLKrqM/TvTPH/im006zvINJjW68RQaVdXNtLDEsrWaBRlyeqA8Y/vFfauzvLK11G0ktdQtobq3lGJIZ4w6OPQqeDVXSfD2jaDDJFomlWenpKcyLbQLHv8Argc/jQBwtxFB4c1rwvL4S1C6vptTWVZo5byS4W9iEDuJmDMcEOE+YY+/jvisy0dbbwT4V8TWOrXlxr+oXlos5e8dxdPK6ieFoydoCgvwANuwdMV6XpvhzRNGuZrjSNHsLGab/WyW1skbP9SoGeeaIPDeh2urvqtto9hDqEmd93HbIsrZ65YDPPf1oA8+8K3EyeObKBJXWGTU/EBeMMQrkXMeCR3xk4+pqj4fs5LPwb4G14ajqEup3t/bRXE0t5K4lik3AxlCxXGMduoz1JNerxaVp0Fws8FhaxzK0jrIkKhg0hBkIIGcsQCx7kc0JpWnR2ltapYWq29qyvbwiFQkLL90qMYUjsR0oA8i1ee3m8B63r2oa1dW3iKPUpoCqXzoYdtwUSARBsbTHtPTJ3bs55r2iuB1X4d3es6lcG+u9LltbicO10dMX7esO8N5AmDY28bdxXO3jk810M0PiwzuYL7Rli3HYHs5SwXPGSJeTigDnNbstTvfjBCmjasNLlXQiXkNss+5ftA4wxGPrTfESXh1DRdBvp7vXtSeO4uTFFcDToJkUqA0hTLHbuACrnOSSOBXaWNlIvl3epx2cmpiMxPc28GzKbshRklgOhxnGeabqug6Rrsccet6XZ6gkTbo1uoFkCHvjcDigDyfTZ7vUtA03Tn1KeOEeMpLI/ZNQkl2wCGVjCs5w7L2B4PTGMCtK/t5NPHi7RNP1l9OtY7nTzbfbLuUoplxvi83JdFkI2kg8bjivSIdE0q3CCDTLOIJMLhQlug2yhdgcYHDbflz1xx0p82ladci6FxYWsovFC3IeFW88AYAfI+YAetAHIeA52tdd1jR7qyvNOvIY4J3tG1H7bborb1DROfmUttOVbHQEDkk91VDStD0rQrdoNF0200+J23MlrCsYY+pwOTV+gAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDzDULTXvFHxg1fRbLxXqGi2dlp8E6JaBSCzEg9RWp/wrLxF/0UvXv+/cf+FN8P/wDJwXiX/sD2v/oRr0mvlsxxuIpYlwhKy0/I2hFNank+reB/FOmeSYfGfi3UUkzvazitj5WMY3B3UnOTjaD0OccZzv7J1CH/AJCXxB8ZacB957vSWWNfXMgQoB7lsV7TRXGszxFrOX5f5FciPMLLwBq+pWq3OnfFXV7u3f7ssHkurfQjirH/AArLxF/0UvXv+/cf+FdZe+ENGvLpryO1NlfN1vLFzbzH6smNw9myPaoUm8QaLIq3yjW7DIBuYUEd1EPV4x8snqSm04HCMaf9oYl/DU++wcsexzP/AArLxF/0UvXv+/cf+FH/AArLxF/0UvXv+/cf+Fd1pOs6frlkLvSrpLmHO0lchkYdVZTyrDuCARV2oeY4xOzm/wAB8kTzj/hWXiL/AKKXr3/fuP8Awo/4Vl4i/wCil69/37j/AMK9HpskiQxPJK6pGilmdjgKB1JPYUv7Sxf8/wCQckTzr/hWXiL/AKKXr3/fuP8AwpD8M/EIBJ+JmugDqTHH/hXTf8JJdawAvhGzW7ibg6lckx2q9vk/imPf5QEPTeDSjwfa3+JfFEz67PnJS4G22X2W3B2YBzgtufnljgY0+vYpfHUt8lcXLHsecy6TKsrRWfxT8S6nIh2uNLsDeCNv7rNEjKh9mIpv/CO+LH5t/EHjyaPu/wBmtI8f8BkkVj+Ar2aKKOCFYoI1jjQYVEXAUegAp9H9qYhbSfzt/kg5EeLf2NqsP/IQ8c+N7Ed2m0gui+5eNWUD3JwO+K19O8D6lrFt9o0r4s6teQ9C8HkuAfQ46H2r1KsjUfCujapc/armxVLztd27NBOP+2iEN+GaP7Srv7bX3P8AT9Q5Ecf/AMKy8Rf9FL17/v3H/hR/wrLxF/0UvXv+/cf+FdLjxHof3T/wkVkOzbIbxB9fljl/HyyAOrGtPSdc07XIZH0y5ExibbLGyskkTejowDKfYgUnj8YldTuvl/kHLE4f/hWXiL/opevf9+4/8KP+FZeIv+il69/37j/wr0eio/tLF/z/AJD5InnH/CsvEX/RS9e/79x/4Uf8Ky8Rf9FL17/v3H/hXo5IAJJwB1Jrn38SvqbND4Tt01NlYpJeOxS1iI/6aYPmHr8seeVIYqcVUcwxktp/kHLE5j/hWXiL/opevf8AfuP/AArCu9EmtbqS0j+K3iC+u4jiW2060F3JF/vrErFP+BYr0L/hEk1L954qvZtXc9bbc0NoB3XyFba6/wDXTefety0tLawtI7Wxt4ra3iGI4YUCIg9ABwKr+0a63m39y/T9Bci7Hklh4U8S6jfRwReLvGkUT53XNzaQRRoMEgkMwfngYCk5POOSNr/hWXiL/opevf8AfuP/AAr0eiolmeKb0lYfJE8b8beEfE/hbwTqmuW/xE1ueSxgMqxOkYVjkcEge9elaLNJcaDp80zF5JLaN3Y9WJUEmsb4v/8AJIPEn/Xmf5itbw//AMizpn/XnF/6AK+gyqvUr0pSqO7uZTST0NGiiivXMwooooAKKKKACiiigArzTx38D/DfjEzXlov9k6rIS5ubdcpIx7unQ5PcYPvXpdFAHzVbeKfiT8FJIrLxJZf2roKny4nZtyAdgkoGVP8AssPXA717X4O+I/hrxxADol+v2oLuezm+SZP+AnqPdciuku7S3vrSS1vYI7i3lXbJFKoZXHoQeteL+M/2fbdrgav8O7ptJ1CJ/MW2aQiMtnOUfqh/MfSgD26ivn3QPjV4m8FaouhfFfS7g7QNt2IwJQOmTj5ZF/2l569a9v0LxFpHifTVv9A1CG+ticF4m5U+jA8qfYgGgDTooooA8++LXxGu/hzpWn3dlYQ3rXc7RMszlQoC5yMV56vx/wDGbqGTwMWVhkEJMQR+VaH7UH/Is6F/1+Sf+gV774c/5FXSv+vKH/0AUAfOf/C/fGv/AEIjf9+5v8KP+F++Nf8AoRG/79zf4V9PUUAfMP8Awv3xr/0Ijf8Afub/AAo/4X741/6ERv8Av3N/hX09RQB8w/8AC/fGv/QiN/37m/wo/wCF++Nf+hEb/v3N/hX09RQB8w/8L98a/wDQiN/37m/wo/4X741/6ERv+/c3+FfT1FAHzD/wv3xr/wBCI3/fub/Cj/hfvjX/AKERv+/c3+FfT1FAHzD/AML98a/9CI3/AH7m/wAKP+F++Nf+hEb/AL9zf4V9PUUAfMP/AAv3xr/0Ijf9+5v8KP8AhfvjX/oRG/79zf4V9PUUAfMP/C/fGv8A0Ijf9+5v8KP+F++Nf+hEb/v3N/hX09RQB8w/8L98a/8AQiN/37m/wo/4X741/wChEb/v3N/hX09RQB8w/wDC/fGv/QiN/wB+5v8ACj/hfvjX/oRG/wC/c3+FfT1FAHzD/wAL98a/9CI3/fub/Cj/AIX741/6ERv+/c3+FfT1FAHzD/wv3xr/ANCI3/fub/Cj/hfvjX/oRG/79zf4V9PUUAfMP/C/fGv/AEIjf9+5v8K7D4T/ABY1D4h6xqVlqGlwWP2KFZP3bsSSWwQQele3V8w/AL/kp/jL6t/6OagD6CooooAKKq6lqVlo+nzX+qXUVpawrukmlbaqj/PavDvFfx8vNZvV0L4XWE11d3B2JevDlj/1zjP/AKE/TnjvQB674q8a6B4LsBdeIdQjtg3+riHzSSn/AGUHJ+vQdzXiOpfEzx58VtRk0j4cafPptguRLchgsm093l6R8dFU7uuCa0vCnwF1DWNU/t74p6hJeXMp3tYrMXZj6SSA9B/dTjpg9q9v0zS7DRdPisNJtIbO1iGEhhQKo/Lv796APLfAvwA0TQCt94pZNc1IkMVcH7PG3XhT9857twf7or1xVCKFQBVUYAAwAKWigAooooAKKKKACiiigAooooAK4bSYda1qG8vH8V6pagajewJDbwWeyNIrmSNAN8DN91BySTXc1yfhD/kDXf8A2F9S/wDS6et6EVKVmeTmtapRoKVN2d/0Yv8AYmsf9Dprf/fix/8Akaj+xNY/6HTW/wDvxY//ACNW5RXb7KHY+b/tDFfzsw/7E1j/AKHTW/8AvxY//I1H9iax/wBDprf/AH4sf/katyij2UOwf2hiv52Yf9iax/0Omt/9+LH/AORqP7E1j/odNb/78WP/AMjVuViX+tXE162l+Ho0uL1Tie4k5gs+M/PjlnwciMcnuVBzSdOmug447Fyek2ZmrNe6Rsjfxj4huruVWaGztbWxeaUL1IX7OOBkZJIHIGckVZ0+1vdUtFubHxzrUkZOCPs9kGRu6sptsqw7qcEd61NL0W30wyzbnub2fm4vJsGSX0GegUdlGFHYcmoNR0WVrv8AtHRbj7HqHG/dkw3Kj+GRP5MMMPXGQV7KPY0+v13p7R+pH/Ymsf8AQ6a3/wB+LH/5Go/sTWP+h01v/vxY/wDyNVjS9bi1CeSzniaz1KBA89nKQWUEkBlI4dDjhh9Dg5A1Kfsqb6Gcsdi4uzmzD/sTWP8AodNb/wC/Fj/8jUf2JrH/AEOmt/8Afix/+Rq1L6+tdNs5Lq+mWCCMZZ2P5AepJ4AHJPArEW1vfE5ZtWhey0dvuWDcS3Qx1mx91f8ApmOSPv8AUoB04dio43FNXdRpGVbanJdX6QQ+NvEH2eZzFBfG1sRbzyA4KI/2fk5OAehOQCSCBuf2JrH/AEOmt/8Afix/+Rq1J7C0ubBrG4tYZbRk2GB4wUK+m3pisNXv/CzEXMkuo6Ln5ZmJe4tMseH/AOekYH8X3hjncOQvZQW6K+vYifwzdyx/Ymsf9Dprf/fix/8Akaj+xNY/6HTW/wDvxY//ACNWxBcQ3VvHcWsqTQyqHjkjYMrqehBHBFSU/ZQ7GX1/Ffzsw/7E1j/odNb/AO/Fj/8AI1UtTivdJiiNz4211pZ3EcEEdvYtJM5/hVfs/PqT0AySQATWjqetSRXLado0C32qbQTGWxHbg9HlYZ2jrgfebBwMAkP0rRFsJnvLydr7U5V2y3ci7TtznYi9EQHoo9ASWPNL2cOiNFjcSleU2ZelR3msWzzWXjfXcxOYpopLayWSFx1RlNtkH+YwRkEGrv8AYmsf9Dprf/fix/8Akap9U0b7XML7T5/sOpxrtS5VAwdQc7JF/iTPbgjsQeabpmtme4Gn6rELLU1GTCSSkwxy0TH749R1XuBwSezh1QPG4lq8Zsi/sTWP+h01v/vxY/8AyNR/Ymsf9Dprf/fix/8Akatyiq9lDsZ/2hiv52Yf9iax/wBDprf/AH4sf/kaj+xNY/6HTW/+/Fj/API1blFHsodg/tDFfzsw/wCxNY/6HTW/+/Fj/wDI1RK2q6L4g0WKbX77VIdSu3tZYryK3AQC3mlDKYokO7MQHJIwzcZwR0NYet/8jH4S/wCwtJ/6Q3VZ1KcFBtI6sHjMRUxEIym2mzq6KKK88+wCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooA4Lw/8A8nBeJf8AsD2v/oRr0mvNvD//ACcF4l/7A9r/AOhGvSa+Lzb/AHuXy/I6KfwhRRRXllhRRRQBiav4XtdQma9sZpNK1XAC6haYVzjkBx92Rf8AZcEfTrVR/E13oU4i8W2iQWx+5q1oC1sfaRTloT7ncv8AtDpVq68XaZFePZWHn6tfRtte206PzjG3o78JGf8AfZagOl61roP9uXf9m2bdbDTpDvcekk/B6dRGFwf4iK6I3t+82/H5f1YXoSXniy3+0mx0GFta1DaCY7Vh5UWRlTLN92MEc45YjlVaoo/C8+qyQ3XjG6TUJI2DpYQApZxMCCDsPMrAj7zkjIyFU0kfg+LRV3+Dp/7HI5azC77SY/7Uf8JP95CpJ5bdjFSf8JV/Z21PE+nzaV63efNtM5/56r9we8gQfWn/ANev+D/Xp8w9ToaKjgnhuoEntpUmikGUkjYMrD1BHWpK5hhRRRQAUUUUAFZOr+G7HWJYrlw9rqEHMF9bNsmi9t38SnurZU9xWtWPqPinTNOuzZb5by+AB+x2ULTyjPTcFB2A+rFR71cOe/ubgUTreraBN5XiS1+12P8ADqtjCSF9pohll/3lyvXIQVZvfF2nxMtvpJ/tm/liWWG0sWDlkYZR2bO1EPXexAPbJwKiNtr+uk/bZm0KwP8Ay72zq11IPR5RlY/pHk9CHHSmJ4LtdKZp/Ccn9i3LYMuwGSK5IGMyoT8zHu4Ic92Nbfu/tb+W3z/4H4C1EHhy+10rL4xuY5bcgH+x7XP2UH0kYgNP9CFT/YPWukjjSGJI4kVI0UKqKMBQOgA7Cuf/AOEmutL+TxPpU9qq9b6zVri2I9SVG+P1O5do/vHrW5aXltf2kd1Y3EVzbyjMc0Lh0ceoI4NZ1Oe2u34DRNRRRWQBRRRQBxnxf/5JB4k/68z/ADFc/wCDfi/4I1LRbG0Otw2VzDAkTxX37nBCgfePyn866D4v/wDJIPEn/Xmf5iuLk+AvgvxB4esJ4ra40y6ltY3aa0mOGYqDkq2R+WK+ryT+DL1/Qxqbnq8E8VzAk1tKk0TjKSRsGVh6gjrUlfPM/wACfG/hWU3HgPxazAHd5XmPasfbAJVvxwD6Uw/E34ueBVC+MfDov7ZB888kGMAD/nrESn5g17pkfRNFeP6F+0j4T1EpHrNre6RI3V2QTRD/AIEvzf8AjtekaL4s0DxGgbQtZsr44yUhmUuv1XqPxFAGxRRRQAUUUUAFFFFABRRRQBleIPDWj+KtNaw1+wivbc5wJByh9VYcqfcGvEdd+DXinwJqza78KdSuJE6tZlwJQM528/LKvsRn6mvoOigDxTwX+0Dayzf2T8QrZtH1GI+W9x5TCMsP76fejP5j6V7NbXMF5bR3FpNHPBKoaOWJwyuD0II4IrlvGXwz8M+OIT/bFiEu8fJe2+EmX8cYb6MCK8XuPD/xM+CTPd6Fdf2toCNudFUvGFzn54jyn+8p+poA6P8Aag/5FnQv+vyT/wBAr33w5/yKulf9eUP/AKAK+SPiz8VNK+IvhPSY7S3ms7+1uWee3kG4AFcZVhwRn1wfavrfw5/yKulf9eUP/oAoA0qKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAK+YfgF/wAlP8ZfVv8A0c1fT1fG/gD4gaX8PfG3i6/1aOedp5XjgggXLSN5zE8ngAev5A0AfVZIAJJwB1Jrybx38fdB8NtJY+HVXXNSAxuib/R4293H3vov0yK4Vrn4lfHSYrar/YfhskjO5khcdMFvvTHtgfLkdBXq3gT4P+GvAyJPFB/aOpjBN9dICyn/AKZr0T8Ofc0AeXab8NvH3xZvotX+IOozabp27dHbum19v/TOHonpubnv81e3+FPBHh/wXYC28P6fHAduJLhhuml92c8nkZx0HYCugooAKKKKACiiigAooooAKKKKACis7WNf0jw/a/aNb1K1sIsZDXEoTd9AeT9BXnOv/tEeDNJYx6Y11rEoOD9ni2IOefmfGfqAQaAPV6QkAEk4A6k188SfGL4l+M3Efgbws1pCw4mWFrjbkEAmRgIxyD1Haj/hTXxJ8aT+d468Ti3hY5aFpmnK9DxGuIx+B6j8aAPVdd+LXgjw8zpfeILaSZODDa5nbPp8gIB47kUz4fahBq3hH+0bJi1veajfzxMRglHvJmBx9CK5/QP2d/BmkMsuordaxKOcXMm2MHPGFTH5EkV0ngW1gsPDMlpZxLDb2+p6hFFGgwqIt7MAB7ADFdOG+M8TOv8Ad4+v6M6Oiiiu8+SCmu6xozyMFVRlmY4AHrVfUNRtdLtDcXsmxMhVAUszseiqo5Zj2ABJrGj0288Rt5/iODyLAMGh0kkNuwchpyOGPGRGMqO5Y4wmy4xurvRALy68VR40iaSy0hiQ1+o2y3IB6Q/3VPP7w9R90chxt2VlbadZR2ljCsMEQwqL27k+5JJJJ5JJJqxRQkEpXVlsFFFFMgoapo9tqqxtLviuIG329zC22SFsYyD6c8qcgjggisSTxVPocyaZr9s0+ozYWxa1wRqHQHg4ETAkA7iF5BBOcC/f61PPdS6Z4dSO5v0+WaaTJgsyRkeYRyzYIIjHJyMlQd1SW/huwS0uYr9P7SlvF23U92qu0w7KeMBR2UAAdcZJJh6vQ6I2iv3m3br/AF+f4kVloc1xqEeq+IXW4vYzut7dCTBZcYOwHG58EgyEZ5IAUEityuc8688KoBcmfUNHBAWckyT2mTjD95Ix/ezuHcMMkb8FxDdW8dxaypNDKoeOSNgyup6EEcEU1Yipd69CSiiq99fWum2cl3fzpbwRjLSOcAeg9yegHeqM0m3ZGPPpVzobTXvhmFHRyZJ9MJ2pM3cxnpG56njax64J3CrY+JW8YebD4YkaC1hIjutQdRujfGTHGpyC4GMscqMjG/kCwbS+8TSBtSSSx0bGVsj8st37y/3U/wCmfU/xY5SrWpaAJpI7vSJl03UIEEcUyRBkaMHPlunG5PbIIzkEGo16HTeO0/i79vXv/W+yuaZpdpo9kLWwi2JkszElmkY9XZjyzHuTzVysnTtcW4u/7P1GL7DqaqWNuzErKo/ijYgb19ccjPIGRnWqlboc81JP3gqjqukWms2ggvUb5TviljYpJC+CA6MOVYZPIq9RTEm07o5+LVrrQ50s/ETGS3Y7YNUCgI3QBZscI5/vYCsf7pIB6CmSxRzRNHMiyRuMMjjIYehFc+IL7wxIWtPP1DRj962zvmsxzkoTzInT5MlgPu5wFqdjTSe2j/M6Oiq9jfW2pWMN5YTpPbTKHjkQ5DCrFUZtNOzCsPW/+Rj8Jf8AYWk/9IbqtysPW/8AkY/CX/YWk/8ASG6rKr8DOzL/APeoep1dFFFeYfdhRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAcF4f8A+TgvEv8A2B7X/wBCNek15nrHg/xanj+98SeE9b0+x+2WsVtJHd2xlOE5/nTv7N+LH/Q1aD/4Lm/xr53HZbXxFd1IWtoaxmkrHoGo6jDpdr9ouUuXTOMW1rJcP0z92NWbt6VkDxZJcA/2b4c1y8wM/NarbZ7f8t2j/wA+tcLq3gzx9r3lf27qXhPUvI3eV9s0QTeXnGdu7OM4GcegrN/4VV4k/wCeXgP/AMJuL/CsIZPUS97f8P0K9oj0xZ/F18cJZ6VpEbA4kmme7kX6xqEXr/00PH5UsfhVriVZdd1jUNUKsG8gyCCDI6ZjjxuH+y5YHuOmPMv+FVeJP+eXgP8A8JuL/Cj/AIVV4k/55eA//Cbi/wAKv+yay+FpfL/g3F7RHs9paW1haR2tjbxW1vEMRwwoERB6ADgVNXiX/CqvEn/PLwH/AOE3F/hR/wAKq8Sf88vAf/hNxf4Vn/YtV/aH7RHttBAIIIyD1BrxMfCvxKCCI/AgI6EeG4/8Kk/4Vn4q/wCpH/8ACdj/AMKX9i1f5g9oj0q48Iac0xn0x7nRp25aTTJfJVz/AHmjwY3PPVlJqnd3HiDQAgl1rR9QjbOxdS/0OVgMf8tEyrHntGMZrg0+G/i6PPlv4JXPXb4eQZ/SrEfgfx1EMRX/AIQQei6GorT+ysR1afqLnR0M/wAWtI01f+J3FFbYODJb6lazxj8pQ/8A45Vqy+LfgzULV7i31OYxp98mxn+XnH9z19KwoND+KFqpW18ReHYQeoj0srn8qm/s34sf9DVoP/gub/Gk8pm/s/8Ak3/AYe0RbT4z+ErqZodMuJLuUZwjlLXPGf8Al4aPFXLXxbqetTJHpjeH7JZSAhuNUFzMM9P3MXyk+wl56e9Y0mk/FWWMpL4n0B0PVW00kH9aozeD/iBcf6/VPCkv+/ooP86f9kz6RX33/RB7RHcf8IrPf8+ItbvdQB629u32S3+m2M7mHs7sP1rasdOstMtzBptnb2cJYuY7eJY1LHqcAYyfWvJX+H3jOQ5e58GMfU6Ah/pUP/Cs/FX/AFI//hOx/wCFS8pxElZyH7RHtFFeKv8AC7xPJjzF8Ctjpu8ORnH6Uz/hVXiT/nl4D/8ACbi/wqf7Fq/zB7RHttYt54T0u5ma4tVl0y6Ziz3GnSG3eQnHL7eJOg++GxXln/CqvEn/ADy8B/8AhNxf4Uf8Kq8Sf88vAf8A4TcX+FVHJ60dpB7RHpf2TxZp4/0TUtP1hB/Bfwm3kb2MsWV/8hf/AFj/AISHV7Uf8TTwrfDHBksJ4rlP1ZH/APHK80/4VV4k/wCeXgP/AMJuL/Cj/hVXiT/nl4D/APCbi/wq/wCyaj3t+X5MXtEer6d4ktNTuRbx2mqQTHORdaZPEo4z99kCfk3t1rWrxuw+HfjHSr6O90ubwXZXUWfLnttASORMgg4ZQCMgkfQ1tf2b8WP+hq0H/wAFzf41jPJq1/ctbzY/aI1/i/8A8kg8Sf8AXmf5itbw/wD8izpn/XnF/wCgCuC17wl8TPEeg3ekan4o0RrS8j8uUJYMrEexzxXomm2rWOlWlo7B2ggSIsOhKqBn9K9nLcLUw1NxqdWZzkm9C1RRRXpkHL6/8NvCHiYs+saDaSSsctPEvlSHnPLpgn8TXmut/sz6c8v2jwtrt1p8obcqXKiVR9GXaR+te5UUAfOx0f45eBH/AOJfeya7aKMBVkFyMDAA2yYccdlq5p37SF7p16LPxv4WltJQRva33Ruo/wCuUnP/AI9XvtU9R0nTtXtzBqthbXsTDBS4hWQfkRQByOgfGXwP4hKpb61HZzN/yxvh5BH4t8p/A120M0VxCssEiSxuMq6MCGHsRXmevfs/eCNYZ5LS2uNJmbndZy/Ln/cbIH0GK4lvgd488IyPceBPFe8DnyhI1sz85wVyUboOpAoA+hqK+dV+KXxX8EQ48ZeGzfW0fDXMsBTGP+msfyfiQa6zQf2j/COooq6xDeaRMTht6edGPoy8/wDjooA9eorL0bxNoniKAS6HqtpfKRnEEwZh9V6j8RWpQAUUUUAFIQCCCMg9QaWigD5w/aN8HaFolvpmr6Rp8VldXlw8dx5A2pJxuyVHGc55HXPOa+mfDn/Iq6V/15Q/+gCvAv2oP+RZ0L/r8k/9Ar33w5/yKulf9eUP/oAoA0qKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAK+Sfg/4U0bxN8VvEkmu2SXq2MsksMUvMe8zEZZejfQ8e1fW1fMPwC/5Kf4y+rf+jmoA+gI40hiWOJFSNAFVVGAoHQAU6iigAooooAKKKoaprmlaJCJdZ1Oz0+NujXU6xg/TcRmgC/RXleu/tDeCdJdorGS71eVcjNpDhM+7OV49wDXF/8AC6fiL40leHwH4WWGInb5yxNcNGfeQ4jH4igD6HJABJOAOpNcfr3xX8E+HQwv9ftZJVOPJtT575xnBCZx+OBXkyfCD4neNiX8deJjZQOfmt5JzPjBzxEhEf5Gux0D9nXwdpQV9WN1rM3fzpPLj/BUwfzJoAwNY/aYhlk+z+EfDlxeTNkLJdtt5zxiNMls/UVnE/Hbx4Au2TQLOQ7TkCz29eTnM35Zr3jSPD+j6Bb+Toml2lhHgAi3hVN31IGSeOprRoA8G0n9mlbmb7X4x8S3F3O/Mq2g5PGP9Y+Sf++RwK9H0L4TeCfD2xrLQLaWZek12PPfOc5G/IB46gCuyooARVCKFQBVUYAAwAKWiigArk/CH/IGu/8AsL6l/wCl09dZXI2vhrxHpv2mLTdd0tbaW8uLlEuNJkkdPOmeUqWFwoOC5GcDpW1GahK7PMzLDVMTRUKe97/gzfrJ1bXY9PuI7G1ha+1OcborOI4IXOPMc9EjB6sfoATgU3+yvF//AEH9E/8ABJN/8lVkX3w8vNTvHvNSHg+8uZMb57jwwZHbAAGWNzk4AA/Cul4iHQ8SGUV7++tPU1tN0JkvhquszC91TbtVwuIrZT1WJf4evLHLN3OMKNmuI/4Vb/06eCf/AAk//uij/hVv/Tp4J/8ACT/+6KSxEUXLKa8ndv8AL/M7eiuI/wCFW/8ATp4J/wDCT/8Auij/AIVb/wBOngn/AMJP/wC6Kf1iJP8AY9bv+X+Z2zMEUsxCqBkkngCud+23fijdHpMkllpJyr6ivElz2xB6L/01P/AQchxl/wDCrf8Ap08E/wDhJ/8A3RR/wq3/AKdPBP8A4Sf/AN0UniIsuOU1Y69fl/mddp+n2ml2Mdnp8CwQRj5UX8ySepJPJJ5JJJqzXEf8Kt/6dPBP/hJ//dFH/Crf+nTwT/4Sf/3RT+sRJeT1m7t/l/mdvXPzaVd6JM134ajRrdjun0snajdSWh7I5Jzj7rHrgndWR/wq3/p08E/+En/90Uf8Kt/6dPBP/hJ//dFJ14sccprx/pf5m3J4s08WiNa+ZdXkrmFNPiH7/wA0AEoy/wAGMjLNhQCCTgjK2Ojz3V1DqfiIpNex4aG2jYmCzOP4c/ffnHmEZ9AoJBw/+FW/9Ongn/wk/wD7oo/4Vb/06eCf/CT/APuij28epX9k1UrR0+7/ADO3oriP+FW/9Ongn/wk/wD7oo/4Vb/06eCf/CT/APuin9YiZ/2PW7/l/mdXqel2urWwhu0OUbfFKh2vC/Z0bqGGetZtrqV9pd6lhr/72OVwlpqKJhZegCygDCSEnAIwrHpgkLWN/wAKt/6dPBP/AISf/wB0Uf8ACrf+nTwT/wCEn/8AdFL28S1lNa1nt8v8zt6K4j/hVv8A06eCf/CT/wDuij/hVv8A06eCf/CT/wDuin9YiR/Y9bv+X+Z29FcR/wAKt/6dPBP/AISf/wB0Uf8ACrf+nTwT/wCEn/8AdFH1iIf2PW7/AJf5mzd6LPp93NqXhoRx3Erb7mzdtsN2QMA9Dsfp8wHPG4HAxf0rV4dWhcpHLbzwtsntp1xJC3oQMgj0IJB7E1y//Crf+nTwT/4Sf/3RWhpfgzWNE83+xbrwtp3nY837J4ceLfjOM7bkZxk9fU0lXjcqWU13Hu/68zp6w9b/AORj8Jf9haT/ANIbqpP7K8X/APQf0T/wSTf/ACVTY/Duuz61pd5rGtadPBp1w9wsNrpjws7GGSLBZp3AGJSfu9hSqVoSi0i8JlmIpV4zklZPudTRRRXEfUBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBj6J4hh1vwvHrcMMkcTpIwjcjcNjMp/8AQak8O67B4j8P2Gq26NEt7bpcLC5BZFbpnFed+DvCQvvhnFenXtct98dw3kW98UiXEj8BccDiqXgHWtO8PTaFc65eRWFvdeErSOCWdtqyukspZFJ6th1O0cnPAoA9fa6t0j3vPEqYJ3FwBgdTn2oF3bF40FxEWlG6MBxlx6j1ryDwxplnrD/D2HVLRZ4VttVlMFxHlSwmjxuU+hOcHoQPSmJoOlWXgfUL+1sIIruz8W+Xazqg3wIupLGqI3VVCkjaOOT6mgD1y0vjNbzzXUP2RYZpI8ySKQyqxAfIJABAzg8jvisweKo5r7VLSxtHupNOa2DFJUVZRN3UkgfKMk+uOMmvPXFuLGCXWlVtAi8Y6g2peYMxAb5hE0nbYJdmc8Zxmqd02iPB42fwx5H9ntqOjlWtQPJZvPTcUxwRnPI4zmgD1nSvEOn6w16LOX/jzu2tJN5Ay4x055HOB64NaW9fM2bhvxnbnnHrivKdO0Wx1TR/HGj6Qttba3b6vJd26RoEkjdCslux77SwOO2C3rXQ/D+9Pim51DxlJC8SXyx2lnHIOY4Yh8/5zNJ/3yKAO3ooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigBCAQQRkHqDXKa98MPBviRG/tPQLQStyZ7dPJkz67kwT+Oa6yigDwrW/2ZrEuJ/CmvXNlMp3Kl2okAPsy7Sv5GsprH46+AwPs9zJr1pGORGwvAwHbDAS/lX0VRQB4Jpv7Sc9jdfY/GvhaezmU4ka2JVl/wC2UmCO/wDFXoug/GDwP4hKpaa7Bbzt/wAsbwGBgfTLYUn6E11Gp6LpetQeRrGnWl/F/cuYFkA/Bga86179nrwVq7NJYxXWkSnnNpLlCcf3XyMewxQB6ijrJGrxsHRhlWU5BHqKdXzw3wS+IPg+ZpvAfirzIuW8oStbs3TAKHKN+JHSkX4tfFHwVNs8b+GjeW6nLzNB5XGe0keY/wBKANX9qD/kWdC/6/JP/QK998Of8irpX/XlD/6AK+RPiz8WNM+I3hzS4LSwubK7tbhpJY5SrJgrj5WHJ59QK+u/Dn/Iq6V/15Q/+gCgDSooooAKKKKACiiigAooqEXlsZmhFxEZUIDIHG5SegIoAmoqKK6t52ZYZ4pGUBmCODgHoaLe6guoy9rPHMgOC0bhgD6cUAS0VFFdW9xJIkE8crxnDqjglD6HHSkS8tpJhFHcwvIy7wiyAkr649KAJqKxvDPiay8T6Dp+pWxEJvrcTpbSOpkVT6gVqNdW63K27TxidhlYi43EeoHWgCWim+bH8/zr+7+/z93jPPpxUct5awCMzXMMYl/1ZeQDf9PWgCaiori6t7RA91PHCpOA0jhQT6c1LQAUUUUAFFFFABRRRQAV8w/AL/kp/jL6t/6Oavp6vjTwH8Q9M+HfjrxXe6pbXVybqWSKGO3C8sJWPJJGB+Z56UAfV9ISACScAdSa+eZPjf4/8XM8XgTwp5ceSDMsL3LL0x82Ai/iD1pB8KPir42wfG3iY2VuxAe3e483AzyfKjxHnn19qAPWtf8Ail4M8No39o6/aNKo/wBRbP50nTIG1M4znvivONa/aYsvOFt4T0C5vpWfar3TbA3P8KLuJz25B9q2NB/Zx8IaaEfWJbzWJR94SSeTGeP7qc+/3jXpWj+G9F8PQiLQ9KtLBQCP3EKqSD1yep6Dr6CgDwhrv46+PSDBBJoFnIAcoBZhQc85YmX8s9j6Vf0z9myW9vDe+NfFE95M5zItsCWY4HJlkyTzn+Gve6KAOK0D4ReCPDjrLZaDBNOv/La8JnbPqA+QD7gCu0VQihUAVVGAAMAClooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKy9F1yLW/wC0PJieP7DfSWT7yPmZMZYe3NaleaeGPC41e+8TXJ1rWbL/AIntyvlWV4Yk4284x15oA7HQfE1prmkTaiFNpDDdTWzGdgOY5ChOemCRWsZohB5xkQRbd3mbhtx659K8AsIZra30QXl3p8ekw6hqqfaNchae2+0faMIZcOgDld+1mOM7scmteGe0s/CMUdy2l32l3fiJjbXE0UltpdriMsSFLtviLhtoJ2l2z2FAHq+seI9O0XQZtYuZhJaQ4y0JDFiSAAOcZyfWr7XdshiD3ESmb/V5cDf9PWvC5Us7jw18QUU6bd28ZsbpTp1mYrX0aSNSzZGFYFwcHaafqsmnT634je+1DwzDZXEUX9m/2lYtM0ln5KhBaFZFGA275UGQ3PpQB7lJcwQsFlmjRiQAGcAnPT88Gj7VAbk24nj88DJi3jdj6da800HQbfUfiBYHxFCNSurPwtYsr3sHzeZ50v7wo2dsnHXqCT61hiTTdN8UKbVtK1edtfLmwuIWt9Yt5WmOWDqxMkaglssApj4JxQB7ZRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFctJpMOu/ELU7a/utSWC10uykiitNTuLZVZ5boMxETqCSI0GTn7orR/4QPR/+fnXf/Chv/8A49Xl4jNKOHqOnJO69P8AMtQbVzYorltW8Gi28k6Pa6pfg7vNE3iy/gZemNvzsGzz1Ixjvms7+yYYBnUfDnjOJB96W38R3FwoH+6l15h/BDWazeg1dJ/h/mP2bO6orldK0XwjrbSR6Zq+sTTRDMtufEN+k0X+/G0wZfxArS/4QPR/+fnXf/Chv/8A49UvOaEXZxl9y/zD2bNiisf/AIQPR/8An513/wAKG/8A/j1H/CB6P/z867/4UN//APHqX9tYf+V/h/mHs2bFFY//AAgej/8APzrv/hQ3/wD8eo/4QPR/+fnXf/Chv/8A49R/bWH/AJX+H+YezZsUhUHGQDg5GR0rI/4QPR/+fnXf/Chv/wD49Ve+8J+G9Ms3utR1PV7S3T70s/iS+RR+JnprOsO3ZRl9y/zD2bOgorhvsGkXal9D0vxlqsYIBlj1y8t0/Az3Me4e6gik/wCEa1GT5ofD+qovUi58a3qtj2CO4z+IHvV/2tR6xf4f5h7Nnc9etAAAAAwB0Arhhovk5+2+GfF4C/ektfFE0yj1ODdK5/Bc+1XdM0rwfq8xgsdX1o3I5NrNr+oQzqPUxPKHA9yKHm1FK/K/wf6h7NnQ6rZ3F/pk1tZ6hNps0gAW6gVGdOQTgOCORkdOM8c0mkaVa6Ho1rplgrLb2sQij3HLEDuT3J6k9yaqf8IHo/8Az867/wCFDf8A/wAeo/4QPR/+fnXf/Chv/wD49Wf9tYf+V/h/mHs2bFFY/wDwgej/APPzrv8A4UN//wDHqP8AhA9H/wCfnXf/AAob/wD+PUf21h/5X+H+YezZsUVj/wDCB6P/AM/Ou/8AhQ3/AP8AHqP+ED0f/n513/wob/8A+PUf21h/5X+H+YezZsUVg3Xg/wAPWNs1xfajrFtAn3pZvEl8ir9SZ8ViC08P3gY6BbeLtbAGfMtNbvUiI9VlmuERx/uM1XHN6MtVGX4f5h7Nnc0Vxth4Wku76NbrR9dsbRs75ZvF120i8HHyJMwJzgH5uM962v8AhA9H/wCfnXf/AAob/wD+PUpZzh4uzT/D/MPZs2KK5LxV4as9A8HazrGl3msx3un2E91bPLrd5MqyRxsyko8pVxkDKsCD0IIrra7cLjIYpOUE9O5MouO4UUUV2EhRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABSEAggjIPUGlooA+e/2k9A0jTdJ0m+07TLS1urm6dZpoIVRpAE4yQOa+jvDn/Iq6V/15Q/+gCvAv2oP+RZ0L/r8k/9Ar33w5/yKulf9eUP/oAoA0qKKKACiiigAooooAhuxObGcWhAnMbeUT0DY4/WvCbCXwmuj+A7S3t408WQatZrqQ8ki6SYn9+Z2xnDOCfmPJ2kdK97IDKQehGDXK23gKGKbTPtuvazqVtpc/n2treSxMiuAQhZhGJH25ONzHtnNAHmVl4eisf2Z7C80Oxhiur2G1fVLlLcvLNb+cDIH2Yd0CZyoI+QEDFEMV5cP4km8E6rol1c/wDCOTRmPwtYNDAZMjytziVl84DeFA+bBPtXvFIqqowoAGc8CgDxHwTHZS+M/C7aFqvh1mgglE0GhaZJFL5PlYKXbGZtvz7SN43bx9aZ4b0DS9P+G3w31SzsYItRl1W0Ml6sYEzh94ZS/UqV+XBOMADtXuIVVJKgAscnA60tAHhvhvQNK074afDjVLOwgi1GXVrMyXixgTP5hYMC/UgqduCcYAHYVDqJ0AeCfEdpqaQn4gyajdNboVH297gzMbV4f49gTysFflCg+9e8Um0bg2BuAwDigDyPUNesdD1D4jWGu3cVvqOoW8Mlrbtw95mxSP8AdL1f51YcZxjnFYmrxaVHDpNxe6jocNw/hi0jaz8TWuba4i2sT9nmDBlkycMFBJyhxxXu5UFgSBkdDjpQyq2Nyg4ORkdDQB4LeXLXGv6Tea8uh6Hp83hy2FhB4qt3uoYj83nRq7SJ+9x5eS2XZcehr074XQy2/wAOdMjluXuUHmGCR4Hh/cmRjGAjszBQuAuTnaFrrGVWGGAIznkUtABRRRQAUUUUAFFFFABXyl8FdD0rWvij4rOr6dbX32d3aIXMQkCEzMCQDxmvq2vmH4Bf8lP8ZfVv/RzUAfQEcaQxLHEipGgCqqjAUDoAKdRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFcDoehw6za3t7f3+stM2qX8f7vWruJVVLuVFUIkoVQFUDAA6VcIObsjlxWKhhYKc07Xtod9RXJ/8Ihp3/P5rv8A4P77/wCPUf8ACIad/wA/mu/+D++/+PVt9Wmed/bWH/lf4f5nWUVyf/CIad/z+a7/AOD++/8Aj1H/AAiGnf8AP5rv/g/vv/j1H1aYf21h/wCV/h/mdZRXJ/8ACIad/wA/mu/+D++/+PUf8Ihp3/P5rv8A4P77/wCPUfVph/bWH/lf4f5nWUV55qum6dZ3K2Omt4g1LUmAb7LF4ivV8tDn55HM2EXg4zyT0B5xZ0zRtG1WOTybzxBFPA2y4tptevRJA2M7WHnH8CCQeoJHNL6vK9rov+16KXNyy/D/ADO6ork/+EQ07/n813/wf33/AMeo/wCEQ07/AJ/Nd/8AB/ff/Hqf1aZH9tYf+V/h/mdWyhlKsAQRggjrQyhlKsAVIwQRwa5T/hENO/5/Nd/8H99/8eqObwtpNtA81xqOtRRRqWeSTxDeqqgdSSZuBR9Wn3D+2sP/ACy+5f5nX0FQSCQDtORx0rzNU0ldt1df8JHbaRKdsWoy+IL1UP8AtMpmykZ42uevJIA2lugHhHTiARe64QehGv33/wAepLDyfVFSzihHeMvw/wAzrabtXdu2jdjGcc4rlf8AhENO/wCfzXf/AAf33/x6j/hENO/5/Nd/8H99/wDHqf1aZP8AbWH/AJX+H+Z1lFcn/wAIhp3/AD+a7/4P77/49Wbqek6TYTxWcN1rt1qNwCYLVPEF9kjpvY+adiDuxHsASQCfV590NZzQk7KMvw/zO+orgdL0rR9Skltnutftb+3/ANfZy6/fB0/2h+++ZD2YcH6ggaX/AAiGnf8AP5rv/g/vv/j1H1eT6oHnNCLs4y/D/M6yiuT/AOEQ07/n813/AMH99/8AHqP+EQ07/n813/wf33/x6j6tMX9tYf8Alf4f5nWUVyf/AAiGnf8AP5rv/g/vv/j1H/CIad/z+a7/AOD++/8Aj1H1aYf21h/5X+H+Z1lFcn/wiGnf8/mu/wDg/vv/AI9VZrBdA8SeH/7OvNSZb6+ktrhLvUri5V4/ss8mNsrsAd8SHcADwRnBIMyoSirs1o5tRrVFTind+n+Z2tFFFYHrBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAYmlf8lL1z/sEaf/6Ova6euY0r/kpeuf8AYI0//wBHXtdPXxOaf75P5fkjph8IUUUV5pRQ1TQtM1pEGqWUVw0fMUhGJIj6o4+ZT7gg1meRr+g82sja7Yr/AMsJmC3SD/ZkJCyfRsH/AGq6KirU2lZ6oDN0nXrDWvOSzkZbi3IW4tZkMc0JI6Mjcj2PQ9ia0qytW8OafrDrPMj297GpWK+tXMU8WfRxzj/ZOVPcGs0atq/h3yovEcJ1GyxtOrWkfzJgdZoQPlBx99MjPVVFVyqXwfcB09QXt7a6dZyXWoXMVtbxjLyzOEVR7k1hSeLk1J5LXwdEms3CgZuVfFnDkZBaYZDEddqbm5GQAc1LZeF1a+g1PxFc/wBr6nDzE7xhIbZu5hiyQp/2iWftuxxR7Pl1np+YEMerax4iTd4ft/7NsG6ahqEJ8yUf3ooODg9mcr6hWHJt2PhPS7S7S+uY21LUU5F/fkSzKf8AYOMRj2QKOOlbVFJ1HtHRBYKKKKzAKpalo+m6xCItUsbe7Ufd82MMUPqp6qfccirtFNNp3QHO/wBna5ofOjXQ1WzH/LlqEhEqj/pnPzn6ODn+8Ku6P4hs9Yklt0Wa0voP9fY3abJo/fGSGU9mUlT2NatZus6Bp2vQKmoQZeM7obiJjHNA395JFwyn6GtOaMvj+8DSormjea54dmC6lG2saUBxeW8ZN1CP+mkSj94P9pAD/sHrSP42sr6NY/Ccf/CQ3TjhLWQCKEkZHnS8iL/dOX9FNHspPbVd/wCtvmFzop54bW3knuZUhhjUs8kjBVQDqSTwBWAuvajrq/8AFK2sf2Rumq3oIhYesUYw0v1OxT2Y0+PwwdQuI7zxTc/2nKgytntxZwtnIKxn7zDj5nLEEErsziugo92O2r/ADEtPC9msoutXZtYvgwYXF6qsIjz/AKpMbYxyfujJ43FsZrbooqJSctwCiiipA534h/8AJMPFH/YHu/8A0S9a1ZPxD/5Jh4o/7A93/wCiXryL/hqDRv8AoXb7/v8AJX1OR/w5+pjU3Pc6K8M/4ag0b/oXb7/v8lH/AA1Bo3/Qu33/AH+SvfMj3OivDP8AhqDRv+hdvv8Av8lH/DUGjf8AQu33/f5KAPc6K8M/4ag0b/oXb7/v8lH/AA1Bo3/Qu33/AH+SgD3OivDP+GoNG/6F2+/7/JR/w1Bo3/Qu33/f5KAPc6K8M/4ag0b/AKF2+/7/ACUf8NQaN/0Lt9/3+SgD3OivDP8AhqDRv+hdvv8Av8lH/DUGjf8AQu33/f5KAPc6K8M/4ag0b/oXb7/v8lH/AA1Bo3/Qu33/AH+SgD3OivDP+GoNG/6F2+/7/JR/w1Bo3/Qu33/f5KAD9qD/AJFnQv8Ar8k/9Ar33w5/yKulf9eUP/oAr5B+LXxasfiNpWn2llplxZNaTtKzTOrBgVxgYr6+8Of8irpX/XlD/wCgCgDSooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAr5h+AX/JT/GX1b/0c1fT1fF/gj4jWnw58f8Aia7vbCa9W7mkiVYXClSJScnNAH1pRXhn/DUGjf8AQu33/f5KP+GoNG/6F2+/7/JQB7nRXhn/AA1Bo3/Qu33/AH+Sj/hqDRv+hdvv+/yUAe50V4Z/w1Bo3/Qu33/f5KP+GoNG/wChdvv+/wAlAHudFeGf8NQaN/0Lt9/3+Sj/AIag0b/oXb7/AL/JQB7nRXhn/DUGjf8AQu33/f5KP+GoNG/6F2+/7/JQB7nRXhn/AA1Bo3/Qu33/AH+Sj/hqDRv+hdvv+/yUAe50V4Z/w1Bo3/Qu33/f5KP+GoNG/wChdvv+/wAlAHudFeGf8NQaN/0Lt9/3+Sj/AIag0b/oXb7/AL/JQB7nXJ+EP+QNd/8AYX1L/wBLp684/wCGoNG/6F2+/wC/yV3Hw01RNc8Cw6tFG0Ud/e31ysbHJQPdzMAfpmunDfGeJnX+7x9f0Z1lFFFd58kFFFRzTxW0DzXEqRRRqWeSRgqqB1JJ6CgCSsC51W81e4ex8NMqpG5S61J13RwkHDJGOjyDBH91T1yRtLM3vigqyNPp+inr1juLwfzjj/J2/wBkfe3be3gtLaO3tIY4IY1CpFEoVUA7ADgCp3NbKG+rK+l6Va6RamG0Vsu2+WWRi0kznq7seWP17AAYAAqDVtGF8y3VlcPY6jCP3V1H3/2XXo6H0PTqCDg1qUU7K1iOeXNzdTI03WzNdHTtVh+xakoyI2PyXAxy8R/iHqOq9xyCdeqWqaVa6vZm3u1YYO6OWNykkTdmRhyrD1Fc3d+K7rwxdDStYQX9xIAbO4R1QSJuVN1wekXzNy+NrYO0bsIVe25ooe0fub9jpdU1Wz0ez+038uxWYRxoqlnlc9ERRyzHsBzWbFpd1rcy3XiKMR26MHt9L3BlQg5DykHDvnkKPlX/AGiA1TaZojxXX9paxOL3U2BAcLiO3U/wRL/CPVj8zdzjAGxRvuLmUNI79/8AIbJGksbRyoro4KsrDIYHqCK502t54WMkumxyXuj8s9ivMlqAB/qB/EnB/dnGP4em09JRTauTGTjp0ILS8t7+0jurOVZoZBlXU8H/AOvnjHY1PWHfaRLY3cuq6CY4bhgWuLWR9kF2f7zEA7Xx/GBnoDkAYzdP12bxzC8ekPNpljHtFzOWUTyE87ItpICn/nrkg87M/eCvbRl+z5lzRen5Gle6zPdXsul+HRHLdx4FxdSDMNnn+9j779xGCOxYqCCbekaLb6RHIUZ7i7uMNdXk2DLcMBgFiOw7KMAdABVmysrbTrKO0sYVhgiGFRe3cn3JJJJPJJJNWKdurJlJW5Y7Gfqmjw6mI5A7215Bn7PeQgeZCT1xkEEHHKkEH0qrY61JDfxaTrypBqEgPkSICIrsKOShP3W7lCSQOhYAmtqq1/p9rqljJaX0KzQSD5lP5gj0IPIPai3VBGStyy2LNFc2uoXnhmQQ67O11pZJ8vVHABtxkBUmx25/1nA4+bH3j0YIIBByD0IoTuKUXH0FooopkBWHrf8AyMfhL/sLSf8ApDdVuVh63/yMfhL/ALC0n/pDdVlV+Bnbl/8AvUPU6uiiivMPuwooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAMTSv+Sl65/2CNP8A/R17XT1zGlf8lL1z/sEaf/6Ova6evic0/wB8n8vyR0w+EKKp6nqcGk2guLmO6lQsEC2lpLcPk/7MasccdcY96yf+ErubjjTPDGtXWejyxR2yj3PnOrAf8BJ9q4IwlJXRR0VFc75njG+/1cOj6Oh5DStJeyY9Cq+WoP0ZuvtyDwfBdkP4h1G/1o9fKuZRHb+6+TGFR1/66Bz79cvkS+J/dr/wPxAfN4vsZZ3tdBjk127Rirx2BVo4m9JJSQiY9Cd3BwpPFMOhalrJLeJr7bbnppunO0cWPSSXh5fw2KehU1vwwxW8CQ28aRRRqFREUKqgdgB0FPo51H4F/mBz8nhOCyfz/C0iaHPgBo4Ih9nlwMDfCMDOABuXa2ABnAxTT4lutK+TxNpctso631krXFufc4G+P33LtH949a6Kij2l/j1/MCG0vLa/tI7qxuIrm3lGY5oXDo49QRwamrDu/CGlXF093apNpt5Icvc6dKYGc+rhflf/AIED0HpWfe3Gv+HlUzeINHvITkoNWH2SSTHUeany9xyI+M01CMvhf9f16AdZRXn8vxc0vT8Lq8dqrf37DVrW4Q/QGRHP/fHr6Vcsviz4Rv7Vp4by8wilmU6bckjHXpGQfwzVvDVkr8r/ADFdHaUV58fjR4WklMVk088g6LM0Vnn3/wBIkj4q3beLtS1mZIdOvvDFh5rbEL6l9slz6eUmwZ9AHPb6AeHqr4lb1C6O2rDu/Fumw3T2Wn+bq1+hw1pp6+ayH0dvuRf8DZah/wCESa958Qa3qWqD/ngJRbQj/gEIUsPZyw/TG5aWVrp9qltYW0NrbxjCRQxhFUewHArP3I+f9f12HqYf9ma3rnOuXn9m2bf8uGnSkSMPSSfhvwjC4I+8wpW8G6fa4l8Ok6FcqAPMskUJIB2kjI2v9SN3oQea6Gij2sumi/r+tQsc6dd1PR8L4l0/zIf+ghpiNJF/wOLl4/w3j1YdK2NP1Ox1azW70u7gvLdiQJYJA65HUZHcelWqxtQ8KaTqN4160D2t8wAN5ZStbzHHQF0ILD2bI9qLwlvp/Xb+vQNTZornf7O8U6fxp+tWupxDpHqlvtk+nmxYGPrGTR/b+u2n/IT8K3Dj+/pl3HcKPwfy2/JTT9nfZp/152C50VFY+neJbbUbxbT7DqtrO2Ti502ZEGBnmTb5fb+9/MVsVEouLswOd+If/JMPFH/YHu//AES9S/8ACP6N/wBAmx/8Bk/wqL4h/wDJMPFH/YHu/wD0S9a1fT5H/Dn6mNTczv8AhH9G/wCgTY/+Ayf4Uf8ACP6N/wBAmx/8Bk/wrRor3zIzv+Ef0b/oE2P/AIDJ/hR/wj+jf9Amx/8AAZP8K0aKAM7/AIR/Rv8AoE2P/gMn+FH/AAj+jf8AQJsf/AZP8K0aKAM7/hH9G/6BNj/4DJ/hR/wj+jf9Amx/8Bk/wrRooAzv+Ef0b/oE2P8A4DJ/hR/wj+jf9Amx/wDAZP8ACtGigDO/4R/Rv+gTY/8AgMn+FH/CP6N/0CbH/wABk/wrRooAzv8AhH9G/wCgTY/+Ayf4Uf8ACP6N/wBAmx/8Bk/wrRooAzv+Ef0b/oE2P/gMn+FH/CP6N/0CbH/wGT/CtGigDwL9pbTbGx8OaI1lZW9uzXbhjDEqEjZ3wK+h/Dn/ACKulf8AXlD/AOgCvAv2oP8AkWdC/wCvyT/0CvffDn/Iq6V/15Q/+gCgDSooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAr5a+BljaX3xN8Yre2sNwqs5UTRhwD5zdM19S18w/AL/kp/jL6t/wCjmoA9x/4R/Rv+gTY/+Ayf4Uf8I/o3/QJsf/AZP8K0aKAM7/hH9G/6BNj/AOAyf4Uf8I/o3/QJsf8AwGT/AArRooAzv+Ef0b/oE2P/AIDJ/hR/wj+jf9Amx/8AAZP8K0aKAM7/AIR/Rv8AoE2P/gMn+FH/AAj+jf8AQJsf/AZP8K0aKAM7/hH9G/6BNj/4DJ/hR/wj+jf9Amx/8Bk/wrRooAzv+Ef0b/oE2P8A4DJ/hR/wj+jf9Amx/wDAZP8ACtGigDO/4R/Rv+gTY/8AgMn+FH/CP6N/0CbH/wABk/wrRooAzv8AhH9G/wCgTY/+Ayf4Uf8ACP6N/wBAmx/8Bk/wrRooAzv+Ef0b/oE2P/gMn+FYXgyNIdBuI4kVI01bUlVVGAoF7PgAV11cn4Q/5A13/wBhfUv/AEunrpw3xniZ1/u8fX9GbtFFZOra2LKUWOnw/btVlQtFaK4XA/vyN/Amf4jyegDHiu/Y+UjFydkWdU1W10i08+8ZvmOyOKNS0kznoiKOWY+g/lWbb6Vd6xdR3/iNQkcZ3W+lhg0cRzkPKRxJIOMD7qnpkgNVjTdD+z3p1PU5vtuqMpTzyu1IUJBMcS/wrwMnlmwMk4GNep33L5lDSO/f/IKKKKoyCimySJFG0krqiICzMxwFA6kmueF3eeJ3A0ySSz0Uj5r5Dtmu/aH+6n/TTqR93GQ9JsuMXLXoT3ur3V5ePpvh1UknQlbi9cZhtD6f7cnP3AeOrEZGbFl4fsLOwuLWSM3n2zP2uW6w73JPXecYIwcAAAAcAAcVds7K206zjtLGBLe3iG1I41wFFT0W7jc7K0djnit34YOU86+0VQSUwZJrMdgoAzJGPTll7ZGANu1ure+tY7mzmjnglXdHLGwZWHqCOtTVg3Wl3elXMmoeHtpVy0lzprYWO4Y9WRsfJJ79G6EZwwWw7qe+/wDX9f1c3qrahqNppdm11qE6wQqQu5uSWJwFAHJYkgADJJOBWV/wl+nS2qmxEtzfSO8Kaeq7Z/MXG5WU/cxkZY4XBBycjMlhos0t4mp+IHjur9CfJjTJhtAe0YI5bHBkI3HnG0HbRe+wcnLrPQrJYXfibbNr0DWum53RaW5BaX0a4xwfXyxkD+Ik8Le1XQ47+ZLy1kNnqcKlYLyMDcAeqsOjoccqfqMEAjVop2QvaSvdaGNpuuPJejS9ZgWy1PDMkYbdHcop5kjbuORlT8y9+ME7NVNS0u01a1+z30W9AwdWVijxsDkMrDBVge4INZlrfX2j3EdlrztcwyyBLbUlQAMWbCxyqPuvyAGA2t/skgFbbjsp6x37f5G9RRRVGQhAIIIyD1BrnjY3fhn59Fha70stmTTl+/Bk5LQnuOf9Wf8AgJH3T0VFJq5cZOPoV7G+tdSs0urCdLiB87XQ5GQcEexB4I6gjFWKxL/R7i3vJNT8PNDDeyYM8EuRDdY/vY+6+BgOATwMggYq3pWs2+qrKqK8F1AQLi0mwJISc4yATwcHBGQcHB4NF+jHKKtzR2NCsPW/+Rj8Jf8AYWk/9IbqtysPW/8AkY/CX/YWk/8ASG6rOr8DOnL/APeoep1dFFFeYfdhRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAYF5pGtJ4muNX0LVbC1+1WcFtLFeae9x/qnlYMpWaPGfOIIIPQU7yvGn/Qd0H/wSTf/ACXW7RXLUweHqSc5xTZSk0cnqfhzXdb8r+2bjwpqHk58v7X4beXZnGcbro4zgfkKof8ACv5v+fPwP/4SZ/8Akmu7opLB0ErKIczOE/4V/N/z5+B//CTP/wAk0f8ACv5v+fPwP/4SZ/8Akmu7op/VKP8AL+YczOE/4V/N/wA+fgf/AMJM/wDyTR/wr+b/AJ8/A/8A4SZ/+Sa7uij6pR/l/MOZnCf8K/m/58/A/wD4SZ/+SacngK5Q5S18EKfUeFCP/bmu5oo+qUP5fzDmZxSeC9QjOUj8GKfUeFmH/tzU8fhjWoseVN4STHTb4acY/wDJqtr+3Iv+EsOg+U/nCxF75uRt279m31znmrS3ch1Z7Q2zCJYFlFxvXDEsw2bc7sjAOcY569aX1PDv7IczMmKy8XwAiDWPDsYPUJoMwz+V3T/K8af9B3Qf/BJN/wDJda8d3bzMVinidgxUhXBII6j61neHPEdp4j0Sx1C3IhN5AJ1t3ceYqn1AqfqGF/kQc0iBoPGbrtfXNAYHqDocx/8AbuqkmheIZv8AXXnhaT/e8OyH/wBuqu2fii21KaSPTIXufI1FrC4O9F8shSxfBOWXIxxyfTAzWsbu2EqxG4iEjkhU3jLEdQBQsDhltBBzSOSfwfqcmfMHg589d3hdjn/yZqM+BrwggweCiD1B8Kn/AOSa7KS5ghkSOWaNHfO1WcAt9B3qRWDKGUgqRkEHrV/U6H8oczOF/wCFfzf8+fgf/wAJM/8AyTR/wr+b/nz8D/8AhJn/AOSa7uij6pR/l/MOZnCf8K/m/wCfPwP/AOEmf/kmj/hX83/Pn4H/APCTP/yTXd0UfVKP8v5hzM4T/hX83/Pn4H/8JM//ACTR/wAK/m/58/A//hJn/wCSa7uij6pR/l/MOZnGWPg7UtMvEu9NXwbaXMedk1v4XaN1yMHDC5yMgkfjWt5XjT/oO6D/AOCSb/5LrdoqXgcNLVwDmZy2s6N4u1zQb/SbvxBoqQX9tJbStFosoYK6lSQTdEZweMg11NFFbUqFOirU1YTbe4UUUVsIKKKKACiiigAooooAKKKKACiiigAooooAKKgu7y2sLV7m+uIraCMZeWZwiqPcngVwGu/HbwJoiuI9UbU51/5ZWERkz/wM4T/x6gDkv2oP+RZ0L/r8k/8AQK998Of8irpX/XlD/wCgCvjv4r/FkfEezs7e20Z7C1s5mcSyTb2kJXGCAoC9+5r7E8Of8irpX/XlD/6AKANKiiigAooooAKKKKACmTTRW8TSzyJFGvV3YAD8TT65DxVK15438J6E/NrPLcahOvaT7Mq+Wp9hJKj/AFQUAdfRXlF54x8Zx6Pq2vW8+l/ZdO8QPpcVjJatm4j+1iAM0gf5SN46L/CTznA0bzxT4i0C88Qabq2qaNLNZ2FrfWt/cQNbQxiWV4mV1DMWwY8qAQWJC55zQB6NRXlEXxD1eBvEsKX0eprYeH5tVtLqXSZrLEse4bNrn94mQp3L7jJq7FrPjltd0HTZtS0lTr9hLdl1sGP2ExeUSqjzP3mRKFyccjd/s0AelU1JY5d3lur7WKttOcH0PvXmmjeMfE2v3th4eguLG01NH1D7fqH2UujJa3AgBjjLjBdmUnJIAB654oaHrGqeH/DOuPdanpVley+Kp4J7uaJ2QgqpJihB3O5wMJnjJOTt5APXKa7rFG0kjKiKCWZjgADuTXk//Cxtfj8OeJ3tXhv7vSruwjs7i406Wz89LiRFIeJzuGMsAw4PBx639b17xBo6eJtJ16fTdYSPwzPqcLfYTEm5QytE6F2DoeO+cZBz1oA9HWeF5TEkqNIEDlAwJCnODj0ODz7GpK4XXLhrC78D65bqkcs1zHp06RjarwzxE7ceiyJGw9MH1ruqACiiigAooooAKKKKACvmH4Bf8lP8ZfVv/RzV9PV8U+D/AIit8OfiF4hvW0w6hBdXEkUqrLsKASkgg4I/A0AfXVFeYaB+0B4I1oiO7ubjSJj/AA3sXyk+zrkfnivQ9N1fTtZtvtGkX9tfQ9PMtplkUfiCaALlFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXI2vhrxHpv2mLTdd0tbaW8uLlEuNJkkdPOmeUqWFwoOC5GcDpXXUVUZOLujKrRp1o8tRXRzH9leL/8AoP6J/wCCSb/5KrKvPAN/qF5JdX7+Erq5kxvmm8Ms7vgADLG5yeAB9BXeUVXtZvqYRwOGjqoHnv8AwrWb/nj4M/8ACVP/AMk0f8K1m/54+DP/AAlT/wDJNehUUvaS7lfVKP8AL+Z57/wrWb/nj4M/8JU//JNH/CtZv+ePgz/wlT/8k16FRR7SXcPqlH+X8zz3/hWs3/PHwZ/4Sp/+SaP+Fazf88fBn/hKn/5Jr0Kij2ku4fVKP8v5nnv/AArWb/nj4M/8JU//ACTR/wAK1m/54+DP/CVP/wAk1qXHjW+kvb9NC8M3urWumzNBc3Ec8UZMigF1jRjlyM47ZPAzW9p+tWOpaNa6pBOEtrqETxmX5DtIB5B6Yzz6Ue0l3D6pR/l/M43/AIVrN/zx8Gf+Eqf/AJJo/wCFazf88fBn/hKn/wCSa703MAhWUzRiNhlXLDB4zwfoM1WttSWe4uVdFjhidVinMyMs4KBsrg5GMkc46ZHHNHtJdw+qUf5fzOL/AOFazf8APHwZ/wCEqf8A5Jo/4VrN/wA8fBn/AISp/wDkmur1rxFa6PoTar/x9QLNDD+4cHJklWMc9OC4P4U7xBr9v4f0t72dTNslhjMUbDd+9lWMHntl8/hR7SXcPqlH+X8zkv8AhWs3/PHwZ/4Sp/8Akmj/AIVrN/zx8Gf+Eqf/AJJrvZbmCGREmmjjeQ4RXcAsfQetElzBCwWWaNGJAAZwCc9PzwaPaS7h9Uo/y/mcF/wrWb/nj4M/8JU//JNH/CtZv+ePgz/wlT/8k13sd1BLM8UU8byR/fRXBK/Udqlo9pLuH1Sj/L+Z57/wrWb/AJ4+DP8AwlT/APJNH/CtZv8Anj4M/wDCVP8A8k16FRR7SXcPqlH+X8zz3/hWs3/PHwZ/4Sp/+SaP+Fazf88fBn/hKn/5Jr0Kij2ku4fVKP8AL+Z57/wrWb/nj4M/8JU//JNXtO8H63o/mf2TeeGLHzceZ9l8OvFvxnGdtyM4yfzNdpRT9pLuJ4Og1ZxOY/srxf8A9B/RP/BJN/8AJVNj8O67PrWl3msa1p08GnXD3Cw2umPCzsYZIsFmncAYlJ+72FdTRQ6k2rNhDBYeElKMEmgooorM6wooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooA8+1rxFo/hz4wLPr2o29hFLoIRHnfaGb7QTgfhWTrepnxHrHie68GXi3ss3hREtpbRslnE1wCFI/i6ge9er1XvrNNQ0+4s5nkRLiNo2eJyjqCMZVhyD6EdKAPL9NuPBk/xC8HjwZDbo8cVyk32aHZsUQHCS8D5wSeG+YfN61n+H9D0zT/h38P9StLKGK/k1S1L3aoBK28sGBfqQRxjOMADtXommeEntdYttS1XW7/WJ7KJ4rT7UsaiENgM3yIu5iABk57+tdJQB4zYjTLbxMljapbQX0fjcvLDGgVxEbeYxkgc7fvY7cmkvdD03/hX/i7VzZQtqSeILmSO7ZAZYit5hdj9VA54B7n1NezUtAHkPiGTw7bX3jZPGkMT6rcEtphmi3SSW4t18sW5xnIkEhO3kNyfWvRfCH/IkaH/ANg63/8ARa1R1fwdLqlzfeX4h1Szs9RULd2cJjZGG3adhdS0eVGDtI9eDzXRW1tFZ2kNtbII4YUWONB/CoGAPyFAEtFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUVDdXdtY27XF7cRW8KfekmcIq/UnigCaivO9f8Ajl4F0IMq6r/ac4GRFp6ebn/gfCf+PVwN7+0N4h167Nn4C8JSTSE/K8qvcSMOufLjxt79zQB9BVga9448MeGdw13XLO0kUEmFpN0mMZ+4uWP5V4sfB3xr8dOG1/WDo1o3zeW04hGM9PLh5JH+36da3dB/Zn8P2ZEniDVLzU3GD5cIEEfuD1Y/gRQA7Xf2lvD1nI0Xh/S7zVn6LI5EEbHPbILf+Ojt+GAnjT40+O32+HtIOj2cvAmFuI128g/vJev1Xnjj39o0LwL4X8NYbQ9CsrWRekwiDSf99tlu3rXQUAfPln+z34k8QTi88e+K2kkOW2Rs9w4JA43PgDoM4BHFd/oPwM8C6FhjpbanKCD5mov5vQ5+6AE/8dr0SigDwX9pWztrDwh4ftrG3itoI7uQJFCgRVGzsBwK+hPDn/Iq6V/15Q/+gCvAv2oP+RZ0L/r8k/8AQK998Of8irpX/XlD/wCgCgDSooooAKKKKACiiigArnPE2j3VzrOga3pkQmutKu2DxbgvmW8y+XKATgZHyv158vHeujooA5uTwNpsugXukNPdi3vNTOpyMHXeJftAuMA7cbd6gYxnHfPNM8QeAtM8R6hc313c3kFzNBbRJJbyKDCbeZpo5Eyp+YM5znIIA4rp6KAOOb4cWt1cahdarrerahd6lpUulXE0zxL+5k/uokYVSOcYH8Rzura/4Rqz/tjSNR8yfztItZbWBdw2skgj3FuMk/ulxgjqfw16KAORf4d2CNHcabqWo6dqEN5dXcV9A0ZkU3MhkljIZCjRlsYDKSNo5zzUEfww0+2sIo7TWNWivYdSk1SLUWkjeZZ5EKOTuQoykE5BXvxiu1ooA44fDXTnj1b7Xqmq3cury2k13NNLGWZ7eQOhACBVzgAgDGAMAHmtLWvB2n67eX1zdzXKPfaTLpMgiZQBDISSwyp+fng8j2rfooA5fU/D89/rvhq2EZ/snRmN48ruuZJkQxwpgc8b2cnAGVX146iiigAooooAKKKKACiiigAr5f8AgNGkvxL8aRyoroxcMrDII85u1fUFfMPwC/5Kf4y+rf8Ao5qAPR9d+DHgXXy7z6HHZzNn99YsYCCe+1flP4g155f/ALOOo6VcG88D+LJradeY1n3ROP8AtrGfp/DXv1FAHzt/bXxy8BJ/xMLFtds4+A7xi6BHqWjIkH1atfRP2mdLdvI8T6Hd2Eyna72zCVQc85VtpH6mvcqx9a8J6B4jj2a5o9nfejTQgsv0bqOvY0AZ+hfEjwh4kVf7J1+zeRsAQyv5UhJ7bHwT07V1FeO6/wDs2+FdQRm0O6vNIlxhV3+fHn3DfN/49XMN8Nvi74GUHwh4hOo2sZytvHPj/wAhS/J+RNAH0TRXz1F8d/GvhSaO28e+EjgHaZfLe2Z/cEgq34Y6V3GhfH7wNrG1Lm8n0qZgMrexELn03rkficUAem0VVsNTsNUg87TL23vIv+elvKsi/mCatUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQB5LqN94Xi1zVprrX7/wPraXL+dFHdYS7xwk4idSkgZQD8oz2PNRXepW19qHw91D4jRwQmSzvmlN3H5cQf8Ac7HkVuEyMHDcBiO+K9dZFYqWUEqcqSOhrOvNEgvfEGn6tK7iWwhniSMY2uJdm7P08sY+poA8p/s6y1SLT7eOCOTw3deNA2nwhf3UkP2WQvtHQxNIH4HBy3Y0/VNG06TxpNpP2OFNPHimwT7KkYWPYNMY7No428YI6EcV7LS0AeOeJrGPTrfxzZaLDBZp9s0eSKJI9sSSNLHltq4HJAzjrikvB/Z3hXX9H1jEniOPVbGe7vGGGv4WvIvKmX0UD5Ng4UqR359kooA8S8Tqi+L/ABYviS98P2xl2C1Gs2LzTSW3lLtFsRIvO/f8qAtv57itrR9Bt9R8dWZ8RQNqd1Z+FLJle6g/eeZ5sv7zY2dsvHXOQSeea9SKgkEgEg5GR0paAPFvBMmm2HiTw5baa2j6z/rIklt4WttSsl8tixu0UkNyArb8ZYggE17TTQqhiwUAt1OOtOoAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAOTPh7Rde+Jerf27o9hqXkaRYeV9stUm8vM15nbuBxnAzj0Fa3/CvPBf/QoaD/4LIf8A4motK/5KXrn/AGCNP/8AR17XT18ZmdSccXNJvp+SOiCXKcXq3w40V/JOheGfCUO3d5q3miJJv6Y2lSu3vnIbt0rP/wCEKhthuuPhr4OvEHX7GsayH2CSQBfzcV6JRXEsRUSs3f7yrI4C10z4byXCWuoeENH0i7c4W31LSIYS59EcrskP+4zVu/8ACvPBf/QoaD/4LIf/AImt25toLy2e3vII7iCQYeKVAysPQg8GsL+wtR0X5/DF2GgX/mGXrkwn2STBaP8A8eUf3aftXLaTXz/r+uoWD/hXngv/AKFDQf8AwWQ//E0f8K88F/8AQoaD/wCCyH/4mrGl+J7a+1BtMvIZNN1VBk2VyRukGOWjYEiRfcHI7gdK2qiVSrF2bf3hoc7/AMK88F/9ChoP/gsh/wDiaP8AhXngv/oUNB/8FkP/AMTXRVQ1bXNO0SOJtSuRG0zFIIVUvLO2M7URcs59gDQqlVuybHZGZ/wrzwX/ANChoP8A4LIf/iay9U0D4aaNMkF/4d8PLdSDMVpHpcUk8v8AuRKhdvwFaMa+IPESeZO0nh3T2+7Cm17yVexZuVhz/dG5sfxKeBr6XounaLC6abarCZDulkJLySn1d2JZz7sSav2ko/FJ/J/r/wAOI4n/AIRTTL5S+k/C3w7DGCMNq0MNuzj1VI4pDj/e2n2pP+Fc+Z83/CMeA7bHOz+xfOz7bspj64P07V6LRR9ZqLb9QsjzseBkt8+b8O/BF4o6mFFhdvorQMM+xYfX0dFp/wAOFmWDV/BulaJcOcLHqWkQRqSemJQDGSfQOTXoVNkjSaJ45UV43UqyMMhgeoI7ij6xJ73+TYWOeHw98FEAjwjoBB6EaZD/APE0v/CvPBf/AEKGg/8Agsh/+JoPhq40omTwpffYV6mwuFMtq30XIaP/AIAQPVTUun+J0e8XT9etv7H1Jn2RwzSBo7j0MMnAfP8AdwG4OVFHNUavGTf5hoRf8K88F/8AQoaD/wCCyH/4mj/hXngv/oUNB/8ABZD/APE10VFZ+2qfzP7x2Rzv/CvPBf8A0KGg/wDgsh/+Jo/4V54L/wChQ0H/AMFkP/xNa2qatYaLYteardR20CnG5z94nooHVmPYDJPashZ9e8QLus1bQdPbpLPEGvJB6iNvli9QX3N6otXGVVq/M0vUWhQ1Xw18N9EWM6p4c8OwNKcRR/2ZE0kp9EQIWY/QGs0eGtF1AMdE+FuirHjKzatZw2iv9EEbyA+zotdnpOh2OjCVrSNmnnwbi5mcyTTkZxuc8nGTgdBk4AFaNP27Wzb9W/6/ELHB2Hw8snvo31Twh4KhtefMittMWSQ8HADsqjg4528j0ra/4V54L/6FDQf/AAWQ/wDxNdFRUSr1G9wsjg/GXg3wxpHgTXtS0nw5pFjf2em3FxbXVtYxRywSpEzI6OqgqykAgg5BAIrsKyfiH/yTDxR/2B7v/wBEvWtX0mSylKnNyd9TKpuFFRXFzBaQma6mjgiHV5HCqPxNcJr3xu8C6DlTrC6jKAT5enL52eM/eHye33q94yPQKK+f779ovWdZvTZeBPCj3Ep+4bhWmc89fLj6cf7R6/nXXwx8bvHUh/trVJNDspD8ymcQDbyCNkXzHvw3Xj2oA9s1zxp4a8Nq51zXLGzZBkxPMDIfogyx6joK80139pbwzZK6aFp19qkqnCu4EETe+Tlv/Har6D+zNottiXxJrF1qMpGTHbqIUBI9fmY89+PpXpugeAPCvhcD+w9Cs7aRTkTFPMlHf/WNlv1oA8XHjz4zePLf/imNC/sy0flZ4oBHvU/9NZjg/VcGp7b9n/xT4kkS68eeL3eTr5as904HpucgL+AIr6DooA840L4EeBNE2NJpj6nMnPm38pfP1QYQ/itegWlla6fbLb2FtDawJ92KGMIq/QDip6KACiiigAooooAKKK5vxd498PeCLLz9fv1jkYExW0fzzS/7q/1OB70AeYftQf8AIs6F/wBfkn/oFe++HP8AkVdK/wCvKH/0AV8afFH4n6l8RorZjpX2HR7WZvIbBZncj+J+mcD7o6c8mvsvw5/yKulf9eUP/oAoA0qKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAK+YfgF/wAlP8ZfVv8A0c1fT1fEPhnx5qXw++IOv6nYWC31rJcyR3cbAgBfNODuH3TngZ4OaAPsKiuN8DfFDw549gC6XcGC+UZksbjCyLxyR2Ye4/HFdlQAUUUUAFFFFAEc0EVzEYriJJY26o6hgfwNcNr/AMFvAviB2lm0ZLKZustgxh7/AN0fKfxFd7RQB4Bffs56to999t8C+K5LaVeUFwWikU/9dI+v/fIqrH4g+N/gSRl1XTZNds4+rNELgEdM74/nH/Avyr6JooA8Q0H9pjR7h/J8TaPdabIDgyW7ecgOe4OGH616V4f+InhPxQq/2NrlpNI2P3Dv5cv/AHw2D+Qq3rXg/wAO+IlYa3otjeswwZJIRvH0f7w/A15nrv7NXhi+DvoV/e6VKfuoxE8Q/A4b/wAeoA9mor51Hw++MXgOPPhTXf7StE+5BFOGwP8ArlMNo/4CTU1v8ffF3hmZLbx74QdTnb5gR7Vjz1AYFW79MA0AfQlFebaF8evAutBEn1CTS52x+7voioz/AL65UfiRXoNlf2epWwuNOuoLuBuksEgdT+I4oAsV534d8JeHNTs7681Lw/pd5cyavqO+e4so5HbF7MBliMnAAH4V6JXJ+EP+QNd/9hfUv/S6eujDpOep42cylHDpxdtf0Y3/AIQPwh/0Kuif+C6H/wCJo/4QPwh/0Kuif+C6H/4mt+iu/lXY+V9tU/mf3mB/wgfhD/oVdE/8F0P/AMTR/wAIH4Q/6FXRP/BdD/8AE1v0Ucq7B7ap/M/vMD/hA/CH/Qq6J/4Lof8A4mj/AIQPwh/0Kuif+C6H/wCJreZgilmIVQMkk8AVzhu7zxThdJnkstH3fPfJxLdgHlYf7qHH+s6kfc6h6TUV0KjOrLXmdvUyL7w74auLyTTvDXg7w9dXcLAXE8+nxiC24ztYhcs+MfIOmQSRxmzpfhvwffSy2l14N0az1CADzbdtPiYEf3kbYN6e+B7gHiuqsrK202yjtLGBILeIYSNBgDufxJySe5Oar6to1rrECLPvjnhJe3uYjtlgbGNyt29COhHBBHFLlL9u3pd+t9Sh/wAIH4Q/6FXRP/BdD/8AE0f8IH4Q/wChV0T/AMF0P/xNPs9XubO8TTfEKLHNIwS2vE/1V3x0/wBh/wDZPB/hJ5A3KaUX0IlOrHeT+8wP+ED8If8AQq6J/wCC6H/4mq1/4T8DaXZPd3/hvQoYI8ZY6dEeScAABckkkAAcknArW1fWoNJWJDHJdXlwdtvZwAGSY+2eAo7sSFHc1BY6PNLerqWvPHcXq8wwpzDadv3eQCW9ZCMnJACg4pWWyQ1OpbmlJ29Tlm0HRLaP+0r/AMAaLFpLZJVdOja5gQDPmOgQ5B/uL8ygZOSSq71v4L8FXdtHcWvhrQZoZVDxyR2ELK6nkEELyK6SufuNKutHuZ9R8OKHErNLc6a7YSdiB80Z/wCWb8f7rdwCdwOVIr20p6Xafqxf+ED8If8AQq6J/wCC6H/4mj/hA/CH/Qq6J/4Lof8A4mtPTNVtdWt2ltHyY2McsTDDwuOqOvVWHp9COCDVynyx7GTqVU7OT+8wP+ED8If9Cron/guh/wDiax77w94R/tA6Vo/hHQ7rUQAZT/ZsRjtFPR5SF/EIDub2GWGtLqV3r8z2mgSGCzU7Z9V25BOSGSAHhmGOXOVU/wB4gga2maZa6RYpaWMeyNeWLMWaRu7Mx5Zj3J5NKyeyNPaTh8Unftf8/wDI5TTvD3hGW9/szVvB2iWepAEqn9nRGO4UdXibbyPVT8y9xjBOv/wgfhD/AKFXRP8AwXQ//E1qajpttqtobe7RiM5V0co8bdmVhgqR6g1lRarc6JcR2XiFzJA/ywapsCxnphZscI59cBWPAwcAlktw9pOesZO/a/5C/wDCB+EP+hV0T/wXQ/8AxNH/AAgfhD/oVdE/8F0P/wATW/RVcq7Gftqn8z+8wP8AhA/CH/Qq6J/4Lof/AImj/hA/CH/Qq6J/4Lof/ia36KOVdg9tU/mf3mB/wgfhD/oVdE/8F0P/AMTVOXQdH0DxR4al0LSrHTJLnUJIJ3s7ZITLH9juH2MVAyu5EbB4yqnqBXV1h63/AMjH4S/7C0n/AKQ3VZVUlBnZgak5YmCbe51dFFFeafbhRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAYmlf8AJS9c/wCwRp//AKOva6euY0r/AJKXrn/YI0//ANHXtdPXxOaf75P5fkjph8IUUUV5pQUUVDd3trp9q9zf3MNrbxjLyzSBFUe5PAo3Ah1TSLDWrJrTVbSO5hPO1xyp7Mp6qR2IwRWFI2teE4kdpW1vRolPmNM4F5bqB97cSFmHHOcN3y3Sp/8AhJbrVfk8LaZLdKet7eq9tbL7gsu+T1GxSp/vDOafH4Vju51ufE102szq25IpUCWsJ/2IRkH1BcuwPRhXRG8Fae3b+thGdZ+L5vGKzR+BzH9nj2rJqt0pCRllDYSE4d2AIPzbF56tjFbOk+HLPSpzdu819qToEl1C7YPM49BgAIvfagVe+M07VPD1pqdwt2jy2WoRrtS9tW2Sgf3T2df9lgR7VSN/4h0f5dRsBrNsv/L1p4CTAerQs3PuUYk9lHShtSVqenl1+/r+HoHqdFRWdpev6XrO4abexzSJ/rIDlJYvZ42wyH2YCtGsGmnZjCiiikAUUUUAFVtQ06z1awlstTtYrq2lGHimQMrfgammmit4WluJEijQZZ3YKqj3JrA/4Sz+0vk8LafPqxPAuj+5tF9D5rD5x7xh6uMZPWIEbWmt+HJN+mSvq+kqvNjO4+0QAf8APKViA4/2ZDn/AG+1U7Lx5/wlkZh8CQpdTKAJ7q+DRRWhI7pw8h9k+U/3xWgPDEuqESeLLz+0l6iwjTy7RfYpkmX/AIGSD1Cqaval4d07VPLeWJoLiEYhurVzFLEPQOuDj/ZOQe4Nbc1P7Wr7/wBb/h8xaken+G7W0v01O9kk1HVQhT7bcnJQE8iNPuxjoMKBkAbix5rYrnTP4i0TAuIv+EgtB/y2gVYbpP8AeThJPquz/dPWr2meJNK1eY29pdBbtRl7OdTDOnuYnAYD3xg9jWcozfvb/wBfgM1KKKKyAKKKKAOd+If/ACTDxR/2B7v/ANEvXh9x49+MnjOd7fwz4dfSYCxUSJBjGOoM0vy/kBXuHxD/AOSYeKP+wPd/+iXrWr6nI/4c/Uxqbnz3B8A/GHii5W68e+Li38Xlq73Lrz90biFXv0yB6V3WhfATwLou157CXVJlx899KWGe/wAi4U/iDXpVFe+ZFeysLPTrcW+n2sFpCOkcEYRRxjoOOgH5VYoooAKKKKACiiigAooooAKKKbJIkMTSSuqRoCzMxwFA6kmgB1UdX1nTdB02S/1m9hsrWP70szhRnsB6n2HJryrx1+0DpWkSHTfBkSa5qTnYJlJMCMemMcyH2XA569q5fSPhN40+JmrR678TtQnsrb+C2ICzbf7qpjbEPqM8cjnNAFvxL8dda8Tao2gfCvTJpZZDtW9MW6VgOrIhGEH+03bqBVvwh+z6by4GtfEu/mv76ZvMls1mJyf+mkucsfZcfU1634Y8I6J4O0sWHh+xjtYjgyOOXlI/idjyx/l2xW1QB4L+0pZWuneDfDtpYW8VtbQ3TrHDCgREGzoAOBX0J4c/5FXSv+vKH/0AV4F+1B/yLOhf9fkn/oFe++HP+RV0r/ryh/8AQBQBpUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAV8vfAeKOf4leNYpkWSN94ZHGQw85uCK+oa+YfgF/wAlP8ZfVv8A0c1AG342/Z707U7htT8FXI0S/B3i35EDN/skcx8+mQOwFc9o3xh8XfDrUE0L4naVcXcafKl1kedtGOQ33ZR75B9TX0RVDWNE0zxBpslhrVjDe2sgw0cy5H1HcH3HIoAr+HfFGjeLNMW/0C/ivIDjdsOGjPoynlT9a16+fvEfwM1zwnftr/wt1a4SWH5xZl9soHcK3Rx/ssOR69Kv+EP2gxFejRviNp8mmXsZ8t7tYyFDf9NI+q/UZHPQCgD3KioLS8ttQtI7qxnjuLeUbo5YnDKw9QR1qegAooooAKKKKACiiigAqK4toLuBobuGOeJvvRyIGU/UGpaKAPPtf+CHgXXkYjSF02YjAl09vK2/8B+5+lef6h+ztrWi3JvfAXiqSGVTlEnZoXHP/PSPr/3yOlfQNFAHzs3in42+A2Ua1pja1Zp8u9oBOCOTnfF8w+relem/DK/m1XwHBqN1B9mmu7y9nkhzny2e7mYr+BOK7yuT8If8ga7/AOwvqX/pdPXThvjPEzr/AHePr+jN2iiiu8+SCq1/qFrplm11fzLDCpAyckkk4CgDkkngAck8Cqura3Dphjgjja71CcE29lCR5kuMZPPCqMjLHAGR3IBg0/RZmv01bXZEudRVSIkjJ8m0B6iMHq2DgyEbjz90HbSv0Rooq3NLb8/67kC6ddeI3S412J7bTwcx6WxGZPRpyDg+0Yyo/iLHhehoooSsTKTkFFFFMkr31ja6nYy2d/AlxbzKVeOQZDA1xt94g1DwxcXOnWrrqlrCoc3c25v7Lj+UYuCMmQAEsOd5A+bjLjZk1C78RP5GgTeRp2Ss2qKAS/YrBngn1kOVHbcc7dfT9NtNLsRaWMIihBZiuSxZmOWZiclmJJJJJJJyah67HRFqmrT18v6/ruVNF0i3sY2uxO19d3QDTX0hBaYdQBjhUGeFXgdeSSTq1gSafdaDK1zoUbz2RLPPpgYZyTktCWICnrlMhT2wSSdTTdTtNWsxdWEvmR5KsCpVkYdVZTyrDuCARVLsZzTfvXui3RRVDVtZtdHhja5LvLM4jgt4l3STuf4VXv6knAAySQATTIScnZFLX7G3gD65HeQ6ZeW0WDeS/wCqZM52SjI3LknHIIJ4IzzjWGoXHjK4aw12JtIhRA7aYXKzXq8ZYkhSIcnG3AY8B9oO069lpF3qF1FqXiXy2mibzLawjbdDaHsxP/LSTn7xGB0UDktoarpNtq1uqT7kljO6C4iO2SBsY3I3UHHB9RkHINRZvU6FOMfde/ft6f16FuKKOGFIoUWOONQqIgwFA4AA7Cn1g2msXWnXsWmeJNglmYra30SlYbjkBVb+5Kc/d6N/Cf4RvVSdzCUXF6hUc0MVzA8NxGskUilXRxkMD1BFSUUyTmxHe+FWHkC41DRMktH80txZ5IxsHWSMc/LyyjpuGAN61ure9tUubOaOeCQZSSNgysPYipqwrnSbrTLl77w5sBkffc6e5CxTknl1P8Env0PcZwwnY1up77m7RVLTNWtdWgeS0Zg8TbJoZFKSQv8A3XU8g9/QjBGQQau1Rm007MKw9b/5GPwl/wBhaT/0huq3Kw9b/wCRj8Jf9haT/wBIbqsqvwM7Mv8A96h6nV0UUV5h92FFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBiaV/wAlL1z/ALBGn/8Ao69rp65e+8OzXOuS6rYa9qWlTzW0VtKtoluyusbSMpIlicg5lfoR2pv9g6x/0O+u/wDfiw/+Rq+dxuV1sRXlUi1Z279vQ1jNJWL/AIm8VWHha0ilvmjaSZisUJu7eBnA6sDNIgIGRnBJ5HFc1/ws5Lr/AI9JvDVoD/FqHiKEFR/uxBwT7bh9a1v7B1j/AKHfXf8AvxYf/I1H9g6x/wBDvrv/AH4sP/kasoZPVStJJv1f+Q/aIyf+Elgvf+Qh8TdBsUPPl6VJbqw9i8zSAj3CqetT2d38N7S8jvJNf0a+vozuS81DVUuZoz3KNI58vPom0e1X/wCwdY/6HfXf+/Fh/wDI1H9g6x/0O+u/9+LD/wCRqr+yq+yaXo7f+2hzouf8J34R/wChp0X/AMGMX/xVH/Cd+Ef+hp0X/wAGMX/xVU/7B1j/AKHfXf8AvxYf/I1H9g6x/wBDvrv/AH4sP/kas/7Fq+X3/wD2o/aIuf8ACd+Ef+hp0X/wYxf/ABVOTxv4Uc4TxPozH0GoRH/2aqP9g6x/0O+u/wDfiw/+RqP7B1j/AKHfXf8AvxYf/I1H9i1fL7//ALUPaIXUr/wJrxT+0dS0O7kj5jkN3H5kf+64bcvXsR1rLub600hUOj+O5ijZMcE8Y1NMj1K/vcexk9cd60/7B1j/AKHfXf8AvxYf/I1H9g6x/wBDvrv/AH4sP/karjlNdaXVvX/7UXtEYv8AwsLWbYYGj/2yBwZLKwv4T/3wYHA/F/z4rQsviDd3Vq0kvgbxRC6qSUa1jG7HZcyA/mBVr+wdY/6HfXf+/Fh/8jUf2DrH/Q767/34sP8A5GpvKaj6R+9/5B7RGO/xL1V3ZYvBWrWeOj6lb3Cr+cEMw/DP5Ukfia61GVY77xVHpaSMF2WmizRMvb/XXAK4PqUAH4ZOz/YOsf8AQ767/wB+LD/5Go/sHWP+h313/vxYf/I1P+yai2UV83+sWHOiolr4DimE+p6vY6nPGciXVdSW52HplVdiqHt8oHf1NbZ8Z+FwCT4k0gAdSb+L/wCKrP8A7B1j/od9d/78WH/yNR/YOsf9Dvrv/fiw/wDkas3lFeXxNP5v/wCRD2iLn/Cd+Ef+hp0X/wAGMX/xVH/Cd+Ef+hp0X/wYxf8AxVU/7B1j/od9d/78WH/yNR/YOsf9Dvrv/fiw/wDkal/YtXy+/wD+1H7RFz/hO/CP/Q06L/4MYv8A4qqOp+IPh9rUIi1bWvDl4inK+deQMUPqCWyD7inf2DrH/Q767/34sP8A5Go/sHWP+h313/vxYf8AyNTWT1k7pr73/wDIi9ojI/tPw7Zf8gH4l2tmg6W91qUN5F/5EYyAewcCj/hYEln/AKzX/Bmqr3MOrC0b/vljID/30K1/7B1j/od9d/78WH/yNR/YOsf9Dvrv/fiw/wDkar/sqs/is/n/APa3DnRFoPxDsNc1iLTFigW4l3bWg1SznQ4UscBJfMPAPRP646+uV/sHWP8Aod9d/wC/Fh/8jUf2DrH/AEO+u/8Afiw/+Rqynk1Zu8eVfN/5D9oix8Q/+SYeKP8AsD3f/ol61q5jUfCN/qul3WnX/jLXZbW7heCePyrFd6OpVhkWwIyCeRzXT162XYOphYSjNrXsZzkpbBRRRXqEBRRRQAUUUUAFFFFABRXPeLPHXh7wVZef4g1COB2UtFbr800v+6nU88Z6DuRXiOofEX4g/Fq+l0v4f6dPpml7tklyh2sB/wBNJuiZHO1ee2WoA9Q8dfGLwz4IWS3kn/tHVFyPsNqwLK3/AE0bon45Psa8qWz+JnxykR7x/wCxPDbHcvyskLrnghfvTHjqflyOq13fgT4B6D4cEN94j263qg+ZhIM28bf7KH72PVvrgV6wAAAAMAdAKAOL8EfCnwz4FVZdOtftWoY+a+usNJ0529kHXpz6k12tFFABRRRQB4Z+1B/yLOhf9fkn/oFdRo/7RvgCy0OwtZ7i/EsFtHG+LQkZVQD39q7XXvC+i+KIIofEGnQ38cLF41mBIUkYyKw/+FSeA/8AoV7H/vk/40AUv+Gl/h5/z86h/wCAZ/xo/wCGl/h5/wA/Oof+AZ/xq7/wqTwH/wBCvY/98n/Gj/hUngP/AKFex/75P+NAFL/hpf4ef8/Oof8AgGf8aP8Ahpf4ef8APzqH/gGf8au/8Kk8B/8AQr2P/fJ/xo/4VJ4D/wChXsf++T/jQBS/4aX+Hn/PzqH/AIBn/Gj/AIaX+Hn/AD86h/4Bn/Grv/CpPAf/AEK9j/3yf8aP+FSeA/8AoV7H/vk/40AUv+Gl/h5/z86h/wCAZ/xo/wCGl/h5/wA/Oof+AZ/xq7/wqTwH/wBCvY/98n/Gj/hUngP/AKFex/75P+NAFL/hpf4ef8/Oof8AgGf8aP8Ahpf4ef8APzqH/gGf8au/8Kk8B/8AQr2P/fJ/xo/4VJ4D/wChXsf++T/jQBS/4aX+Hn/PzqH/AIBn/Gj/AIaX+Hn/AD86h/4Bn/Grv/CpPAf/AEK9j/3yf8aP+FSeA/8AoV7H/vk/40AUv+Gl/h5/z86h/wCAZ/xo/wCGl/h5/wA/Oof+AZ/xq7/wqTwH/wBCvY/98n/Gj/hUngP/AKFex/75P+NAFL/hpf4ef8/Oof8AgGf8aP8Ahpf4ef8APzqH/gGf8au/8Kk8B/8AQr2P/fJ/xo/4VJ4D/wChXsf++T/jQBS/4aX+Hn/PzqH/AIBn/Gj/AIaX+Hn/AD86h/4Bn/Grv/CpPAf/AEK9j/3yf8aP+FSeA/8AoV7H/vk/40AUv+Gl/h5/z86h/wCAZ/xo/wCGl/h5/wA/Oof+AZ/xq7/wqTwH/wBCvY/98n/Gj/hUngP/AKFex/75P+NAFL/hpf4ef8/Oof8AgGf8aP8Ahpf4ef8APzqH/gGf8au/8Kk8B/8AQr2P/fJ/xo/4VJ4D/wChXsf++T/jQBS/4aX+Hn/PzqH/AIBn/Gj/AIaX+Hn/AD86h/4Bn/Grv/CpPAf/AEK9j/3yf8aP+FSeA/8AoV7H/vk/40AUv+Gl/h5/z86h/wCAZ/xrzb9ne5jvfiF4suoMmKdDImRg4aUkfzr1b/hUngP/AKFex/75P+Na2g+DPDvheeWbw/pNvYSTKEkaEEFgDnBoA3KKKKACuZ8ZfD/w/wCOrEQa5Zgyp/qrqLCzR/RvT2ORXTUUAfNt54L+IPwY1F9T8HXUms6OxzLCsbMAM/8ALSIHr/tr79K9B8BfHXw94tCWmqldF1PgeXPIPKlP+w/9DjqMZr1GvN/HfwS8N+NHlvIFOk6o+Sbm2QbZG9XTo31GD70AekUV8123iH4j/BCZbLXbM6zoCtiOQszRquRwkvWP2Vhj0Fez+DPiV4b8c2ynSL1Uu8ZexnISZPX5c/MPcZFAHW0UUUAFFFFABRRRQAUUUUAFcn4Q/wCQNd/9hfUv/S6eusrl4/Bk1s9x9g8U6zZwzXM1z5EaWjKjSyNIwBeBmxuc9Sa2ozUJXZ52YYWeKpKEGr3vr8zZrlfEPjfT9N1FtFtNS06DVduXe+uFjitQRkM+SCx5BCDk5GSoO6tT/hFNR/6HPXf+/Nj/API1H/CKaj/0Oeu/9+bH/wCRq6HiI9DxoZNWTvJp/N/5GTpet+DtMMs3/CUaVc3s/NxeTX8Jkl9BnOAo7KMKOw5NaP8Awmvhb/oZdH/8D4v/AIqpf+EU1H/oc9d/782P/wAjUf8ACKaj/wBDnrv/AH5sf/kal9Yiv6/4JTyetJ3bX3//AGpF/wAJr4W/6GXR/wDwPi/+Ko/4TXwt/wBDLo//AIHxf/FVL/wimo/9Dnrv/fmx/wDkaj/hFNR/6HPXf+/Nj/8AI1P6xH+v+HF/YtXy+/8A+1IJPHHhWONnbxLpJCgkhb2Nj+AByfoK54eLNC8TuJNR8Q6ZZaNj5bF76NJrr3m+bKJ/0z6n+PjKV1H/AAimo/8AQ567/wB+bH/5Go/4RTUf+hz13/vzY/8AyNSeIi/6/wCCXHKKsdrX9f8A7UgTxl4UjRUj8R6MqqMKq30QAHp96nf8Jr4W/wChl0f/AMD4v/iql/4RTUf+hz13/vzY/wDyNR/wimo/9Dnrv/fmx/8Akan9Yj/X/Dkf2NV8vv8A/tSL/hNfC3/Qy6P/AOB8X/xVY2o654b+1nU9E8V6PbagFwyNqEZhuR/dkUN19GGCPcZB3v8AhFNR/wChz13/AL82P/yNR/wimo/9Dnrv/fmx/wDkal9Yi/6/4JUcnrRd019//wBqc5/wtXQ57VYrS7s01F3eLyrm7jSGJlxl2lB2lOQQVyW6AZDbbOla14UsZnvb3xZpF9qcwKy3b3sS4XOfLRdx2IOPlB5xkljzW1/wimo/9Dnrv/fmx/8Akaj/AIRTUf8Aoc9d/wC/Nj/8jUvrEev9fiU8oq2tGy+b/wDkSL/hNfC3/Qy6P/4Hxf8AxVH/AAmvhb/oZdH/APA+L/4qpf8AhFNR/wChz13/AL82P/yNR/wimo/9Dnrv/fmx/wDkaq+sR/r/AIcz/sWr5ff/APalS78VeDb+0ktb3XtDuIJRteKW8hZWHoQTWPa+MdH0C4jtm8TadqemSyBY5TqMbz2pZuA3PzxjP3s7l75GWHR/8IpqP/Q567/35sf/AJGo/wCEU1H/AKHPXf8AvzY//I1L6xH+v+HLWUVUraW9f/tSL/hNfC3/AEMuj/8AgfF/8VR/wmvhb/oZdH/8D4v/AIqpf+EU1H/oc9d/782P/wAjUf8ACKaj/wBDnrv/AH5sf/kan9Yj/X/Dkf2LV8vv/wDtSL/hNfC3/Qy6P/4Hxf8AxVH/AAmvhb/oZdH/APA+L/4qpf8AhFNR/wChz13/AL82P/yNR/wimo/9Dnrv/fmx/wDkaj6xH+v+HD+xavl9/wD9qYmq634Xu51vtO8W6PYanGoVLkXcLB1znZIu75k9sgjOQQea0/DPiuy8SrcxW8sDXVmVFwttMJoxuztZZBwwO0+hGOQOM2P+EU1H/oc9d/782P8A8jUf8IpqP/Q567/35sf/AJGpfWI3/r/MqWUVnG2n3v8A+RNasPW/+Rj8Jf8AYWk/9Ibqpv8AhFNR/wChz13/AL82P/yNS2/hGRNWsL6+8RatqJsJWmhhuEtlTeYnjyfLhVj8sjd+tKdeMotIrC5TXo1o1JNWXr/kdJRRRXGfShRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFVtRvU03S7q+mVmjtYXmdUGWIVSSB78VZqpqjXqaTdtpUcUt6sLG3jmOEd8fKrHsCeKAOS03xP4subDTtal0bTrrSb9oiYtPuXluLeOQgBz8u19uRuAxjk84roJvFnh+31gaVPrFnHfFxH5DTAMHPRT6MewPJrzKa1spTDJ4M8Ma74e8VPNEzpDay29qh3jzPN/5YtHgN0yTxirV1b3UPgHXvB0uh38+t313dmGRbR2huGlmZ47gz42KFDJncwYFMY6UAdnrniqbR7PVZ0SzuPsV5aW6xJMS6iZ4lPmDHykeYSAM5GPWuory7WtH1NoPF6LZ3U7z6rpLxOsLHz1T7LvdeOQNrZI6YOeleo0AcfbeN5JPipd+E7izWOCOAPBdh8mSTYrlCO3ysSP900+28atc/E+78MJaoLO0sWne9L/8tVMRZMdMBZkJPrXO67pOpR+JPEmu2en3Utxp15p99ZiOIk3KpEUmSP8AvExs64Hcisy+8Ja7eWhjitZl1HU/DeovcyFSqrdXE0Mnkl+gOMoAccL6CgD0vSvFWg63dvbaRq9neTou8xwyhiVzjcPUZ7jiq0Pi7TLXw/p+oa5qenW7XqZQwT745TjJ8skAsB64rnvtH/CSeJPCh0jRtQ08aRI8t091ZSW620ZgZPIBYAOSWXhMjC5z0rBstOuNO8I+DpbqPXdGvrTTpIft9jZG4a3JKExTW+xmKttBzjgr1GaAO5u/HWj2+taDYQ3UFwmt7zBPHMCu0D5SMZ3bm+UVrpremSWNpeR30DW166pbShxtmZvuhT3Jrz3TP7Wt5fBl/qmjTRJDd30Un2LTmTasuRHLJCmTFv8AvNnoSc4qlpRvj4U8G+HTouqrfaPqdt9uL2UixQrGzAuJCNrg5BBUnjk4oA9ItvFOhXeryaXa6taS30QcyW6SgugRirZHbBBBpNK8VaDrd09tpGr2l5Oi7zHDKGJXONw9RnjI4rj7bw3qFx8OfG2n2dq9rqGp6hqbReYpjM2+RghyezLgA9MGqXh2zutQ8T+HHe48RT/2WkjPHe6XFZxWQMWzyywhTzM5AwhI4DdhQB6pRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRSMwRSzkKqjJJOABXkXjn9oDRNBaSw8LIuualuKB0J+zxt/vD7/PZeD/AHhQB6lqmq2GiadLf6veQ2VpEMvNO4VR6DJ7noB1NeH+K/j1qOuaiuhfCvT5bq4myovHgLOfeOM9Mf3nHrwOtZ+m/DDx58U7+HV/iPqU+n2H3orZgBIFJ6JF0j47sN3TINe3+F/BmgeDbE2vh7To7UMB5kv3pJSO7OeT9OgzwBQB5J4T+Ad5quoNrvxT1Ca9u5WDNZpOWLY7SSdxjjap4457V7bpumWOj2EdjpVpDZ2sQwkMCBFH4D+dW6KACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAjngiurd4LmJJoZFKvHIoZWB6gg9RXjHjT9nuyuZm1XwHdtpGoo3mJbFyIiw5+Rh80Z9Oo46DrXtdFAHz1ofxn8V+BNSj0T4o6TcSRL8q3mzE2OPmz92Ue4556npXuOgeJdH8UaeL3QNQgvYDjcYm+ZD6MvVT7ECl17w7pXifS307XbKO8tmOdkg+6fUEcg+4rw7xB8FPEfgnVRr3wr1K4cpktaM4Eqr12g9JF/wBkjPA60AfQlFeI+C/2gYnum0j4iWn9kX0RCG5EbKhb0kQ8offpz0Fe0W11b3trHc2c8dxBKN0csThlceoI4NAE1FFFABRRRQAUUUUAFFFFABRRRQAUUUUAcpJ4z+x2fiyXULZY5PDzkhFYnz4zCskZ9ixJXHqKqReOrtvA8epy6fHHrB1FdMew8wlVuDP5RG7HTHz59Kz/ABfoeoXPxCsIbKzml03XFt11KVEJSMWkpmG9v4d4bZ74xQ2g3/8Awt/yPskx0Rphrpm2HyvtAhNv5e7puztkx+NAHWXHjDw7aar/AGbc61ZR3nmCIwtMAQ56KfRjkcHnmqtp430q58Sa3pMlxDAdHjSSaaSUAEEZcnP3QvAJJ715v4jGt6h4f1yxFpq0Fy1/JL/Y+naLiGRBOGErTlD5hZV3/IwYscAcVpeNNK1W91bxVaWdhqDG6bTryJ4bbck8UDDzEVmBQuMZCN1x0NAHoVl4s0DUrK7u7HV7SaCyTzLl1kH7lMFtzegwCc9ODVjSde0rXUnfRtQt75beQxStBIGCP6HFeX3Wm32sR+Ir6CfxDq0g8N3dmkt9pi2nmO4ysKxiJHkbIznBAzgcmvUdDtVsvD+n2yQ+SsNrGgj242YUDGPagCn4x12bw14SvdWtoEuJbcJsikYqrFnVeSP96sa48TeJtB1DTB4n0vSvsWoXsdiJdPvJHeKSThCVeNcrkYODkZzVn4mWNxqXw61S0soJp5pRGFjt1LOf3qE4A54GTx6VLZeAtHtNSt7+ebU9RntW3251HUprlYWxjcquxAbB64zQBrpremSWNpeR30DW166pbShxtmZvuhT3JqlJ418MxagLGXXbBLrzTCYmnUEOCVKn0OVIwe4Nee6Ub4+FPBvh06Lqq32j6nbfbi9lIsUKxswLiQja4OQQVJ45OKtXfh64l+HviC2OkzPNd+KTcGI27FpY/wC0EO/GMlfLGc9Noz0oA7m28Y+HLuxuby21uxktrV0SeUTDbEXICZPYMSMHoam0/wAUaHq0NzLp2rWlxHarvnZJhiJcZ3H0XAJz04Ned/E2ykjvfEF2+nSz2kun6ShAj+W4ddQbMYJ4LbSoxnoRV7V4T4s1291Cz0TUZdOh0C4sriGa3ezkvHkZSsKeYAcqFb5sYBYAHk0AdtpHibRNekkj0bVLa8kjUO6RSAsFPRseh9elatec+DZNSfxdGEk1DU9OSwdGvNY0j7LdWjbkKwiUonmg8lgAQCoOa9GoAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKK5M+HtF174l6t/buj2GpeRpFh5X2y1Sby8zXmdu4HGcDOPQVrf8K88F/8AQoaD/wCCyH/4mvHxOaww9V0nFuxooNq5rUVy+rfDjRX8k6F4Z8JQ7d3mreaIkm/pjaVK7e+chu3Ss/8A4QqG2G64+Gvg68QdfsaxrIfYJJAF/NxWazim1dR/FB7NncUVxlrpnw3kuEtdQ8IaPpF25wtvqWkQwlz6I5XZIf8AcZq3f+FeeC/+hQ0H/wAFkP8A8TUyzmEd4Mfs/M1qKyf+FeeC/wDoUNB/8FkP/wATR/wrzwX/ANChoP8A4LIf/iaX9uU/5GHs2a1FZP8AwrzwX/0KGg/+CyH/AOJo/wCFeeC/+hQ0H/wWQ/8AxNH9uU/5GHs2arLuUqSRkYyDg1gf8Ifa/wDQU1z/AMG0/wD8VVr/AIV54L/6FDQf/BZD/wDE1l6poHw00aZIL/w74eW6kGYrSPS4pJ5f9yJULt+AprOoSdlBh7NnS28ItraKBXkcRoEDSOXZsDGSx5J9zUtcP/wimmXyl9J+Fvh2GMEYbVoYbdnHqqRxSHH+9tPtSf8ACufM+b/hGPAdtjnZ/YvnZ9t2Ux9cH6dqv+16fWP4oXs2dzRXDjwMlvnzfh34IvFHUwosLt9FaBhn2LD6+jotP+HCzLBq/g3StEuHOFj1LSII1JPTEoBjJPoHJo/tePSDfo0HsztqKyB8PfBRAI8I6AQehGmQ/wDxNL/wrzwX/wBChoP/AILIf/iaz/tun/Ix+zZrUVk/8K88F/8AQoaD/wCCyH/4mj/hXngv/oUNB/8ABZD/APE0f25T/kYezZrUVk/8K88F/wDQoaD/AOCyH/4mj/hXngv/AKFDQf8AwWQ//E0f25T/AJGHs2a1Fczqvhr4b6IsZ1Tw54dgaU4ij/syJpJT6IgQsx+gNZo8NaLqAY6J8LdFWPGVm1azhtFf6II3kB9nRatZxFq/I/vQvZncUVx9h8PLJ76N9U8IeCobXnzIrbTFkkPBwA7Ko4OOdvI9K2v+FeeC/wDoUNB/8FkP/wATUyzqmnbl/Efs2a1Fcf4y8G+GNI8Ca9qWk+HNIsb+z024uLa6trGKOWCVImZHR1UFWUgEEHIIBFdhXoYPGRxcXKKtYiUeUKKKw/FPjHQvBmm/bfEN/Hao2RHH96SU+iqOT/IdyK7iTcrhfHfxc8NeBA9vdzm91MLlbC2OXB7bz0TqDzzjkA15Xq3xS8b/ABT1I6N8NtOudOsvuy3CsBJtPd5OkQ9gc8cE9K6/wJ8ANH0JxqHi549d1MtvCMCYIzn0P+sPuwx7d6AOJH/Cy/jrIWDf2L4Zd8YyUhIB/wC+pjx/u5H8NeueBvhJ4Z8DRxzWtt9t1NR81/cgFwe+wdEH05x1Jrt0RY41SNQiKMKqjAA9BTqACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAOT8Z/Dbw346h/wCJ3ZYulXbHeQHZMnpz3HPRgRXjE/hj4k/BS4mu/DE51fQdxklRY96Y4yXizuU4HLKeg5Ir6TooA818CfG/w34wWG0vZV0nVXwv2a4bCSN/sP0P0ODz3r0qvMvHXwM8N+Llmu9PjGj6q/zefbr+7kb/AG4+nPqMH69K87tvFvxJ+DNzFZ+LLR9X0EN5ccrNvXH+xL1U+iv6HAHWgD6RorlvB3xG8N+OYM6HfqblV3SWc3yTJ/wHuPcZFdTQAUUV534d8JeHNTs7681Lw/pd5cyavqO+e4so5HbF7MBliMnAAH4VpTg5uyOPGYqOFpqclfWx6JRXI/8ACB+EP+hV0T/wXQ//ABNH/CB+EP8AoVdE/wDBdD/8TW/1Z9zzP7cp/wAjOuorkf8AhA/CH/Qq6J/4Lof/AImj/hA/CH/Qq6J/4Lof/iaPqz7h/blP+RnXUVyP/CB+EP8AoVdE/wDBdD/8TR/wgfhD/oVdE/8ABdD/APE0fVn3D+3Kf8jOuorzW+8O+Gri8k07w14O8PXV3CwFxPPp8YgtuM7WIXLPjHyDpkEkcZs6X4b8H30stpdeDdGs9QgA823bT4mBH95G2Denvge4B4qfq77lvOIpX5H96PQaK5H/AIQPwh/0Kuif+C6H/wCJo/4QPwh/0Kuif+C6H/4mq+rPuR/blP8AkZ11Z2qaLFqrRtLd39v5YIAtLySEHPrtIz+NYX/CB+EP+hV0T/wXQ/8AxNVr/wAJ+BtLsnu7/wAN6FDBHjLHTojyTgAALkkkgADkk4FL6s+4LO6bdlBnRaZoMOl3LTxXupTlkKbbq+kmUcg5CsSM8dfrWrXlzaDoltH/AGlf+ANFi0lskqunRtcwIBnzHQIcg/3F+ZQMnJJVd638F+Cru2juLXw1oM0Mqh45I7CFldTyCCF5FCw7fUqWcQjq4P70dnRXI/8ACB+EP+hV0T/wXQ//ABNH/CB+EP8AoVdE/wDBdD/8TT+rPuT/AG5T/kZ0Oq6Vaa1p7WWoRmSBpI5CoYr8yOrryP8AaUGrtcj/AMIH4Q/6FXRP/BdD/wDE1j33h7wj/aB0rR/COh3WogAyn+zYjHaKejykL+IQHc3sMsF9Xa6jjnUJPSDPRqK8607w94Rlvf7M1bwdolnqQBKp/Z0RjuFHV4m28j1U/MvcYwTr/wDCB+EP+hV0T/wXQ/8AxNH1dvqEs6hF2cGddRXI/wDCB+EP+hV0T/wXQ/8AxNH/AAgfhD/oVdE/8F0P/wATT+rPuL+3Kf8AIzrqK5H/AIQPwh/0Kuif+C6H/wCJo/4QPwh/0Kuif+C6H/4mj6s+4f25T/kZ11Fcj/wgfhD/AKFXRP8AwXQ//E1Tl0HR9A8UeGpdC0qx0yS51CSCd7O2SEyx/Y7h9jFQMruRGweMqp6gVMqDir3NaObQrVFTUXqd1RRRXMe0FFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBiaV/yUvXP+wRp/wD6Ova6euY0r/kpeuf9gjT/AP0de109fE5p/vk/l+SOmHwhRRRXmlEVzbQXls9veQR3EEgw8UqBlYehB4NYX9hajovz+GLsNAv/ADDL1yYT7JJgtH/48o/u10VFXGbjoBi6X4ntr7UG0y8hk03VUGTZXJG6QY5aNgSJF9wcjuB0raqnqmkWGtWTWmq2kdzCedrjlT2ZT1UjsRgisKRta8JxI7StrejRKfMaZwLy3UD724kLMOOc4bvlulVyxn8Oj7AdTVDVtc07RI4m1K5EbTMUghVS8s7YztRFyzn2ANc9Z+L5vGKzR+BzH9nj2rJqt0pCRllDYSE4d2AIPzbF56tjFbOk+HLPSpzdu819qToEl1C7YPM49BgAIvfagVe+M03TUP4m/br/AMAL9ijGviDxEnmTtJ4d09vuwpte8lXsWblYc/3RubH8Snga+l6Lp2iwumm2qwmQ7pZCS8kp9XdiWc+7Emr1FRKbastEAUUUVABTZI0mieOVFeN1KsjDIYHqCO4p1FAHOnw1caUTJ4UvvsK9TYXCmW1b6LkNH/wAgeqmpdP8To94un69bf2PqTPsjhmkDR3HoYZOA+f7uA3ByordqtqGnWerWEtlqdrFdW0ow8UyBlb8DWvOpfH9/X/ggWaK5lrTW/Dkm/TJX1fSVXmxncfaIAP+eUrEBx/syHP+32qnZePP+EsjMPgSFLqZQBPdXwaKK0JHdOHkPsnyn++KfspNXjqu/b1/r0C502qatYaLYteardR20CnG5z94nooHVmPYDJPashZ9e8QLus1bQdPbpLPEGvJB6iNvli9QX3N6otW9P8N2tpfpqd7JJqOqhCn225OSgJ5EafdjHQYUDIA3FjzWxSvGPw6v+un+f3AZ2k6HY6MJWtI2aefBuLmZzJNORnG5zycZOB0GTgAVo0UVm227sAooopAc78Q/+SYeKP8AsD3f/ol6u6hqNnpVjJe6ndQ2lrEMvNM4RVHuTVL4h/8AJMPFH/YHu/8A0S9eGQfDH4g/FDWXvviJqMmmafFMVW2HXCkj91F91R2DtyRg/MK+pyP+HP1Mam5peK/j/c6lff2J8MNNmv7yViiXjwli3HWOLqfXLdMdDUXhj4C6pr+oLrnxT1Se5nkwxsknLuec7Xk7D/ZT14Ir1zwn4H0DwVp4tdAsI4CRiS4Ybppf95+p+nQdgK6CvfMinpek6fomnpY6RZQWVrH92KBAq/XjqeOvU1coooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAqG7tLe+tJLW9gjuLeVdskUqhlcehB61NRQB4j4z/Z/i+1Lq/w5um0m/iYyC2aZgm7rmNuqH26fSsrw98a/EngvVBoXxX0y4yoGy6EQEoHTJx8si8H5l54PWvoOsjxD4X0XxVp5s/EGnQXsPO3zF+ZD6qw5U+4IoAl0LxDpPibTF1DQb+G+tWO3fEfun0YHlT7EA1i+EP8AkDXf/YX1L/0unryTW/g74v8AAGpS638L9UnmgU7zaBv3wH93afllHsefY16Z8NJL+XwLDJrMax6i97fNdoowFlN3NvA/4FmunDfGeJnX+7x9f0Z1lFFFd58kFFFVr/ULXTLNrq/mWGFSBk5JJJwFAHJJPAA5J4FA0m3ZFhmCKWYhVAySTwBXOG7vPFOF0meSy0fd898nEt2AeVh/uocf6zqR9zqHp66ddeI3S412J7bTwcx6WxGZPRpyDg+0Yyo/iLHhehqdzTSHm/yK9lZW2m2UdpYwJBbxDCRoMAdz+JOST3JzVfVtGtdYgRZ98c8JL29zEdssDYxuVu3oR0I4II4rQop26EKTT5uph2er3NneJpviFFjmkYJbXif6q746f7D/AOyeD/CTyBuVXvrG11Oxls7+BLi3mUq8cgyGBrjb7xBqHhi4udOtXXVLWFQ5u5tzf2XH8oxcEZMgAJYc7yB83GXCvy7msYe1fu7/ANf1+XY6jV9ag0lYkMcl1eXB229nAAZJj7Z4CjuxIUdzUFjo80t6upa88dxerzDCnMNp2/d5AJb1kIyckAKDipNF0i3sY2uxO19d3QDTX0hBaYdQBjhUGeFXgdeSSTq099yXJR0j94Vz9xpV1o9zPqPhxQ4lZpbnTXbCTsQPmjP/ACzfj/dbuATuHQUUNXIjJxKemara6tbtLaPkxsY5YmGHhcdUdeqsPT6EcEGrlYev2NvAH1yO8h0y8tosG8l/1TJnOyUZG5ck45BBPBGecaw1C48ZXDWGuxNpEKIHbTC5Wa9XjLEkKRDk424DHgPtB2lXtoaqmpLmW39ff/V7GpLqV3r8z2mgSGCzU7Z9V25BOSGSAHhmGOXOVU/3iCBraZplrpFilpYx7I15YsxZpG7szHlmPcnk1YiijhhSKFFjjjUKiIMBQOAAOwp9NIzlK6stipqOm22q2ht7tGIzlXRyjxt2ZWGCpHqDWVFqtzolxHZeIXMkD/LBqmwLGemFmxwjn1wFY8DBwD0FRzQxXMDw3EayRSKVdHGQwPUEUNBGWlpbElFc2I73wqw8gXGoaJklo/mluLPJGNg6yRjn5eWUdNwwBvWt1b3tqlzZzRzwSDKSRsGVh7EUJhKNtVsTUUUUyArD1v8A5GPwl/2FpP8A0huq3Kw9b/5GPwl/2FpP/SG6rKr8DO3L/wDeoep1dFFFeYfdhRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAYmlf8lL1z/sEaf/6Ova6euY0r/kpeuf8AYI0//wBHXtdPXxOaf75P5fkjph8IUVieJvFVh4WtIpb5o2kmYrFCbu3gZwOrAzSICBkZwSeRxXNf8LOS6/49JvDVoD/FqHiKEFR/uxBwT7bh9a44UKk1eK0HdHoFQ3d7a6favc39zDa28Yy8s0gRVHuTwK4X/hJYL3/kIfE3QbFDz5elSW6sPYvM0gI9wqnrU9nd/De0vI7yTX9Gvr6M7kvNQ1VLmaM9yjSOfLz6JtHtVewa3v8AJP8Ar8wua/8Awkt1qvyeFtMlulPW9vVe2tl9wWXfJ6jYpU/3hnNPj8Kx3c63Pia6bWZ1bckUqBLWE/7EIyD6guXYHowpf+E78I/9DTov/gxi/wDiqP8AhO/CP/Q06L/4MYv/AIqi1RfBFr8w0LOqeHrTU7hbtHlstQjXal7atslA/uns6/7LAj2qkb/xDo/y6jYDWbZf+XrTwEmA9WhZufcoxJ7KOlSf8J34R/6GnRf/AAYxf/FU5PG/hRzhPE+jMfQahEf/AGaklUtZxuvQNC3pev6XrO4abexzSJ/rIDlJYvZ42wyH2YCtGuW1K/8AAmvFP7R1LQ7uSPmOQ3cfmR/7rhty9exHWsu5vrTSFQ6P47mKNkxwTxjU0yPUr+9x7GT1x3p+y5trr1X+X+QXO9orzv8A4WFrNsMDR/7ZA4MllYX8J/74MDgfi/58VoWXxBu7q1aSXwN4ohdVJKNaxjdjsuZAfzAoeHqLWwXR2lFeev8AEvVXdli8FatZ46PqVvcKv5wQzD8M/lSR+JrrUZVjvvFUelpIwXZaaLNEy9v9dcArg+pQAfhkv6tUW/8An+Vw5kegTTRW8LS3EiRRoMs7sFVR7k1gf8JZ/aXyeFtPn1YngXR/c2i+h81h8494w9ZiWvgOKYT6nq9jqc8ZyJdV1JbnYemVV2Koe3ygd/U1tnxn4XAJPiTSAB1Jv4v/AIqlyJbRb/r+uwFceGJdUIk8WXn9pL1FhGnl2i+xTJMv/AyQeoVTV7UvDunap5byxNBcQjEN1auYpYh6B1wcf7JyD3Bqr/wnfhH/AKGnRf8AwYxf/FUf8J34R/6GnRf/AAYxf/FUrVr3s/uDQjM/iLRMC4i/4SC0H/LaBVhuk/3k4ST6rs/3T1q9pniTStXmNvaXQW7UZeznUwzp7mJwGA98YPY1V/4Tvwj/ANDTov8A4MYv/iqo6n4g+H2tQiLVta8OXiKcr515AxQ+oJbIPuKfI5fFF/Jfp/wwHWUV59/afh2y/wCQD8S7WzQdLe61KG8i/wDIjGQD2DgUf8LAks/9Zr/gzVV7mHVhaN/3yxkB/wC+hR9Xm/h/y/4H4hc9BorkNB+IdhrmsRaYsUC3Eu7a0GqWc6HCljgJL5h4B6J/XHX1lOEoO0h3uc78Q/8AkmHij/sD3f8A6Jetasn4h/8AJMPFH/YHu/8A0S9a1fTZH/Dn6mNTcKKKK98yCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAK5Pwh/wAga7/7C+pf+l09dZXJ+EP+QNd/9hfUv/S6eunDfGeJnX+7x9f0Zu0UVyviHxvp+m6i2i2mpadBqu3LvfXCxxWoIyGfJBY8ghBycjJUHdXc2lufKwhKbtFGvq2tw6YY4I42u9QnBNvZQkeZLjGTzwqjIyxwBkdyAYNP0WZr9NW12RLnUVUiJIyfJtAeojB6tg4MhG48/dB21m6Xrfg7TDLN/wAJRpVzez83F5NfwmSX0Gc4Cjsowo7Dk1o/8Jr4W/6GXR//AAPi/wDiqm6e5q4TirRi/Wxt0Vif8Jr4W/6GXR//AAPi/wDiqP8AhNfC3/Qy6P8A+B8X/wAVVcyM/ZVP5X9xt0VhSeOPCscbO3iXSSFBJC3sbH8ADk/QVzw8WaF4ncSaj4h0yy0bHy2L30aTXXvN82UT/pn1P8fGUpOSLjQm9Wnb0N2TULvxE/kaBN5GnZKzaooBL9isGeCfWQ5Udtxzt19P0200uxFpYwiKEFmK5LFmY5ZmJyWYkkkkkknJrMTxl4UjRUj8R6MqqMKq30QAHp96nf8ACa+Fv+hl0f8A8D4v/iqE13CUajVlF2I5NPutBla50KN57Ilnn0wMM5JyWhLEBT1ymQp7YJJOppup2mrWYurCXzI8lWBUqyMOqsp5Vh3BAIrP/wCE18Lf9DLo/wD4Hxf/ABVY2o654b+1nU9E8V6PbagFwyNqEZhuR/dkUN19GGCPcZBV0tiuSc9JJ372/M7SqGraza6PDG1yXeWZxHBbxLuknc/wqvf1JOABkkgAmuV/4Wroc9qsVpd2aai7vF5VzdxpDEy4y7Sg7SnIIK5LdAMhttnSta8KWMz3t74s0i+1OYFZbt72JcLnPlou47EHHyg84ySx5o5k9g9hOOs4s0rLSLvULqLUvEvltNE3mW1hG26G0PZif+WknP3iMDooHJbQ1XSbbVrdUn3JLGd0FxEdskDYxuRuoOOD6jIOQapf8Jr4W/6GXR//AAPi/wDiqP8AhNfC3/Qy6P8A+B8X/wAVT90lqq3ez+4ZaaxdadexaZ4k2CWZitrfRKVhuOQFVv7kpz93o38J/hG9XPXfirwbf2klre69odxBKNrxS3kLKw9CCax7Xxjo+gXEds3ibTtT0yWQLHKdRjee1LNwG5+eMZ+9ncvfIywXMl1K9lKeqjZnc0Vif8Jr4W/6GXR//A+L/wCKo/4TXwt/0Muj/wDgfF/8VVcyMvZVP5X9xt1hXOk3WmXL33hzYDI++509yFinJPLqf4JPfoe4zhg7/hNfC3/Qy6P/AOB8X/xVH/Ca+Fv+hl0f/wAD4v8A4qk2n1KjCpH7L+4vaZq1rq0DyWjMHibZNDIpSSF/7rqeQe/oRgjIINXa47Vdb8L3c632neLdHsNTjUKlyLuFg65zskXd8ye2QRnIIPNafhnxXZeJVuYreWBrqzKi4W2mE0Y3Z2ssg4YHafQjHIHGRSV7DlSko8yTt+RvVh63/wAjH4S/7C0n/pDdVuVh63/yMfhL/sLSf+kN1UVfgZtl/wDvUPU6uiiivMPuwooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAMO+8OzXOuS6rYa9qWlTzW0VtKtoluyusbSMpIlicg5lfoR2pv9g6x/wBDvrv/AH4sP/kat6isJYejOXNKCb9EO7MH+wdY/wCh313/AL8WH/yNR/YOsf8AQ767/wB+LD/5GreoqfqmH/59r7kHM+5g/wBg6x/0O+u/9+LD/wCRqP7B1j/od9d/78WH/wAjVvUUfVMP/wA+19yDmfcwf7B1j/od9d/78WH/AMjUf2DrH/Q767/34sP/AJGreoo+qYf/AJ9r7kHM+5g/2DrH/Q767/34sP8A5Go/sHWP+h313/vxYf8AyNW9RR9Uw/8Az7X3IOZ9zB/sHWP+h313/vxYf/I1H9g6x/0O+u/9+LD/AORq3qKPqmH/AOfa+5BzPuYP9g6x/wBDvrv/AH4sP/kaj+wdY/6HfXf+/Fh/8jVX8Ua9q2nazo2laDaWVxc6mZvmvZnjRBGgbqqsec+lYepfEDWfDz6hZa/pNkNQt7JL6BrO6eSGWMzLEwO5FZWBcHoQc+1H1TD/APPtfcg5n3Ok/sHWP+h313/vxYf/ACNR/YOsf9Dvrv8A34sP/kal8XeIJPDWjw3sUCztJe29sVZsACWVUJ/Ddmt2j6ph/wDn2vuQcz7mD/YOsf8AQ767/wB+LD/5Go/sHWP+h313/vxYf/I1b1FH1TD/APPtfcg5n3MH+wdY/wCh313/AL8WH/yNR/YOsf8AQ767/wB+LD/5Greoo+qYf/n2vuQcz7mD/YOsf9Dvrv8A34sP/kaj+wdY/wCh313/AL8WH/yNW9RR9Uw//Ptfcg5n3MH+wdY/6HfXf+/Fh/8AI1H9g6x/0O+u/wDfiw/+Rq3qKPqmH/59r7kHM+5g/wBg6x/0O+u/9+LD/wCRqP7B1j/od9d/78WH/wAjVvUUfVMP/wA+19yDmfc5jUfCN/qul3WnX/jLXZbW7heCePyrFd6OpVhkWwIyCeRzXT0UVrClTpq0IpeisF29wooorQQUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXLx+DJrZ7j7B4p1mzhmuZrnyI0tGVGlkaRgC8DNjc56k11FFNNrYidOFRWmk15nNf8IpqP/Q567/35sf8A5Go/4RTUf+hz13/vzY//ACNXS0VXtJ9zH6ph/wDn2vuRzX/CKaj/ANDnrv8A35sf/kaj/hFNR/6HPXf+/Nj/API1dLRR7SfcPqmH/wCfa+5HNf8ACKaj/wBDnrv/AH5sf/kaj/hFNR/6HPXf+/Nj/wDI1dLRR7SfcPqmH/59r7kc1/wimo/9Dnrv/fmx/wDkaj/hFNR/6HPXf+/Nj/8AI1dLRR7SfcPqmH/59r7kc1/wimo/9Dnrv/fmx/8Akaj/AIRTUf8Aoc9d/wC/Nj/8jV0tY3iLXH0Q6SI4Vl+36lFZNubGwOG+YepG2j2k+4fVMP8A8+19yKf/AAimo/8AQ567/wB+bH/5Go/4RTUf+hz13/vzY/8AyNW1qWqWOj2TXmq3cNpbqQDLM4Vck4A57k9qpW/izQLrS5tRg1e0ezgkEU03mgLE5IAVv7pJYdfUUe0n3D6ph/8An2vuRS/4RTUf+hz13/vzY/8AyNR/wimo/wDQ567/AN+bH/5Gp3/CwPCX2WS4/wCEi08xRsFZhOOCQSOOuMAnPTANXr7xPoemQW01/qtpBFdx+Zbu8oxMvy8p/e++vT1FHtJ9w+qYf/n2vuRn/wDCKaj/ANDnrv8A35sf/kaj/hFNR/6HPXf+/Nj/API1X38U6FHoservq1oNPlbZHceaNrtnG0erZB468H0q1pmq2Gs2Qu9Ku4bu3LFfMhcMMjgg+hHpR7SfcPqmH/59r7kY3/CKaj/0Oeu/9+bH/wCRqP8AhFNR/wChz13/AL82P/yNXS0Ue0n3D6ph/wDn2vuRzX/CKaj/ANDnrv8A35sf/kaj/hFNR/6HPXf+/Nj/API1dLRR7SfcPqmH/wCfa+5HNf8ACKaj/wBDnrv/AH5sf/kaj/hFNR/6HPXf+/Nj/wDI1dLRR7SfcPqmH/59r7kc1/wimo/9Dnrv/fmx/wDkaj/hFNR/6HPXf+/Nj/8AI1dLRR7SfcPqmH/59r7kc1/wimo/9Dnrv/fmx/8Akalt/CMiatYX194i1bUTYStNDDcJbKm8xPHk+XCrH5ZG79a6Sik5yejZUcNQi+aMEn6IKKKKk3CiiigAooooAKKKKACiiigDnv8AhYHg3/obdC/8GUP/AMVR/wALA8G/9DboX/gyh/8AiqqUUAW/+FgeDf8AobdC/wDBlD/8VR/wsDwb/wBDboX/AIMof/iqqUUAW/8AhYHg3/obdC/8GUP/AMVR/wALA8G/9DboX/gyh/8AiqqUUAW/+FgeDf8AobdC/wDBlD/8VR/wsDwb/wBDboX/AIMof/iqqUUAW/8AhYHg3/obdC/8GUP/AMVR/wALA8G/9DboX/gyh/8AiqqUUAW/+FgeDf8AobdC/wDBlD/8VR/wsDwb/wBDboX/AIMof/iqqUUAW/8AhYHg3/obdC/8GUP/AMVR/wALA8G/9DboX/gyh/8AiqqUUAW/+FgeDf8AobdC/wDBlD/8VR/wsDwb/wBDboX/AIMof/iqqUUAW/8AhYHg3/obdC/8GUP/AMVR/wALA8G/9DboX/gyh/8AiqqUUAW/+FgeDf8AobdC/wDBlD/8VR/wsDwb/wBDboX/AIMof/iqqUUAcr4z8ReEtd8ZeFk/4S2yitYjdma5sdYWFosxjbmRHBXJGOvPSqHi+XwBZeBdc/snxHYajqN9HDFJLPrIu7iRFlU7AWcttHJwPrXc0UAee+NI/hrZaTZ3Ph3UtGN7FqdmwMGprIyoJ03HG88AZJPYV6b/AMLA8G/9DboX/gyh/wDiqqUUAW/+FgeDf+ht0L/wZQ//ABVH/CwPBv8A0Nuhf+DKH/4qqlFAFv8A4WB4N/6G3Qv/AAZQ/wDxVH/CwPBv/Q26F/4Mof8A4qqlFAFv/hYHg3/obdC/8GUP/wAVR/wsDwb/ANDboX/gyh/+KqpRQBb/AOFgeDf+ht0L/wAGUP8A8VR/wsDwb/0Nuhf+DKH/AOKqpRQBb/4WB4N/6G3Qv/BlD/8AFUf8LA8G/wDQ26F/4Mof/iqqUUAW/wDhYHg3/obdC/8ABlD/APFUf8LA8G/9DboX/gyh/wDiqqUUAW/+FgeDf+ht0L/wZQ//ABVH/CwPBv8A0Nuhf+DKH/4qqlFAFv8A4WB4N/6G3Qv/AAZQ/wDxVH/CwPBv/Q26F/4Mof8A4qqlFAFv/hYHg3/obdC/8GUP/wAVR/wsDwb/ANDboX/gyh/+KqpRQBb/AOFgeDf+ht0L/wAGUP8A8VR/wsDwb/0Nuhf+DKH/AOKqpRQBb/4WB4N/6G3Qv/BlD/8AFUf8LA8G/wDQ26F/4Mof/iqqUUAW/wDhYHg3/obdC/8ABlD/APFUf8LA8G/9DboX/gyh/wDiqqUUAW/+FgeDf+ht0L/wZQ//ABVH/CwPBv8A0Nuhf+DKH/4qqlFAFv8A4WB4N/6G3Qv/AAZQ/wDxVH/CwPBv/Q26F/4Mof8A4qqlFAFv/hYHg3/obdC/8GUP/wAVR/wsDwb/ANDboX/gyh/+KqpRQBb/AOFgeDf+ht0L/wAGUP8A8VR/wsDwb/0Nuhf+DKH/AOKqpRQBb/4WB4N/6G3Qv/BlD/8AFUf8LA8G/wDQ26F/4Mof/iqqUUAW/wDhYHg3/obdC/8ABlD/APFUf8LA8G/9DboX/gyh/wDiqqUUAW/+FgeDf+ht0L/wZQ//ABVH/CwPBv8A0Nuhf+DKH/4qqlFAFv8A4WB4N/6G3Qv/AAZQ/wDxVH/CwPBv/Q26F/4Mof8A4qqlFAFv/hYHg3/obdC/8GUP/wAVR/wsDwb/ANDboX/gyh/+KqpRQBb/AOFgeDf+ht0L/wAGUP8A8VR/wsDwb/0Nuhf+DKH/AOKqpRQBb/4WB4N/6G3Qv/BlD/8AFUf8LA8G/wDQ26F/4Mof/iqqUUAW/wDhYHg3/obdC/8ABlD/APFUf8LA8G/9DboX/gyh/wDiqqUUAW/+FgeDf+ht0L/wZQ//ABVH/CwPBv8A0Nuhf+DKH/4qqlFAFv8A4WB4N/6G3Qv/AAZQ/wDxVH/CwPBv/Q26F/4Mof8A4qqlFAFv/hYHg3/obdC/8GUP/wAVR/wsDwb/ANDboX/gyh/+KqpRQBb/AOFgeDf+ht0L/wAGUP8A8VR/wsDwb/0Nuhf+DKH/AOKqpRQBb/4WB4N/6G3Qv/BlD/8AFUf8LA8G/wDQ26F/4Mof/iqqUUAW/wDhYHg3/obdC/8ABlD/APFUf8LA8G/9DboX/gyh/wDiqqUUAW/+FgeDf+ht0L/wZQ//ABVH/CwPBv8A0Nuhf+DKH/4qqlFAFv8A4WB4N/6G3Qv/AAZQ/wDxVH/CwPBv/Q26F/4Mof8A4qqlFAFv/hYHg3/obdC/8GUP/wAVR/wsDwb/ANDboX/gyh/+KqpRQBb/AOFgeDf+ht0L/wAGUP8A8VR/wsDwb/0Nuhf+DKH/AOKqpRQBb/4WB4N/6G3Qv/BlD/8AFUf8LA8G/wDQ26F/4Mof/iqqUUAW/wDhYHg3/obdC/8ABlD/APFUf8LA8G/9DboX/gyh/wDiqqUUAW/+FgeDf+ht0L/wZQ//ABVH/CwPBv8A0Nuhf+DKH/4qqlFAFv8A4WB4N/6G3Qv/AAZQ/wDxVH/CwPBv/Q26F/4Mof8A4qqlFAFv/hYHg3/obdC/8GUP/wAVR/wsDwb/ANDboX/gyh/+KqpRQBb/AOFgeDf+ht0L/wAGUP8A8VR/wsDwb/0Nuhf+DKH/AOKqpRQBb/4WB4N/6G3Qv/BlD/8AFUf8LA8G/wDQ26F/4Mof/iqqUUAW/wDhYHg3/obdC/8ABlD/APFVx/xE+IHhOOz0K7h8QadeLZ61b3EyWd0k0gRQ+W2qScciulooA4bxF8aPCmsx6cNK1OGBIb5HnvLqyMkloux8SRRtyzZ+UkA7QxOOa5yfxToGpaf4xWfxFFqCX91pLRzXzwxPdIsyhyEULgKFOQQGCgFuua9cooA56PxZ4PPxZ1C+fX9ENu+hW8Czm9h2M3nzFk3bsE42ZHpj2rkNI8c+F9FtvhtdanqVpKmn6VcxXJilWV7N2SEKWRcsDwwxjPXjg16hRQB5lJ4r8KyWt3q8+vLYw3fiFr2ylsLqI3VipgEfnNAdzMHYNlNucPkjOa6v4f8AxC0BrLUzqnifQ9rXxMF5I0NlNersTMskWQQ2QVyQCQo4FdFRQBb/AOFgeDf+ht0L/wAGUP8A8VR/wsDwb/0Nuhf+DKH/AOKqpRQBb/4WB4N/6G3Qv/BlD/8AFUf8LA8G/wDQ26F/4Mof/iqqUUAW/wDhYHg3/obdC/8ABlD/APFUf8LA8G/9DboX/gyh/wDiqqUUAW/+FgeDf+ht0L/wZQ//ABVH/CwPBv8A0Nuhf+DKH/4qqlFAFv8A4WB4N/6G3Qv/AAZQ/wDxVH/CwPBv/Q26F/4Mof8A4qqlFAFv/hYHg3/obdC/8GUP/wAVR/wsDwb/ANDboX/gyh/+KqpRQBb/AOFgeDf+ht0L/wAGUP8A8VR/wsDwb/0Nuhf+DKH/AOKqpRQBb/4WB4N/6G3Qv/BlD/8AFUf8LA8G/wDQ26F/4Mof/iqqUUAW/wDhYHg3/obdC/8ABlD/APFUf8LA8G/9DboX/gyh/wDiqqUUAW/+FgeDf+ht0L/wZQ//ABVFVKKACuZ0+48S6tFcXNtqOlW0K3lzBHFJpskjBYp3jBLCdQSQmeg6101YnhL/AJAtx/2E9Q/9LJqAD7J4q/6DOj/+CiX/AOSaPsnir/oM6P8A+CiX/wCSa26KAMT7J4q/6DOj/wDgol/+SaPsnir/AKDOj/8Agol/+Sa26KAMT7J4q/6DOj/+CiX/AOSaPsnir/oM6P8A+CiX/wCSa26KAMT7J4q/6DOj/wDgol/+SaPsnir/AKDOj/8Agol/+Sa26KAMT7J4q/6DOj/+CiX/AOSaPsnir/oM6P8A+CiX/wCSa26KAMT7J4q/6DOj/wDgol/+SaPsnir/AKDOj/8Agol/+Sa26KAMT7J4q/6DOj/+CiX/AOSaPsnir/oM6P8A+CiX/wCSa26KAMT7J4q/6DOj/wDgol/+SaPsnir/AKDOj/8Agol/+Sa26KAMT7J4q/6DOj/+CiX/AOSaPsnir/oM6P8A+CiX/wCSa26KAMT7J4q/6DOj/wDgol/+SaPsnir/AKDOj/8Agol/+Sa26KAMT7J4q/6DOj/+CiX/AOSaPsnir/oM6P8A+CiX/wCSa26KAMT7J4q/6DOj/wDgol/+SaPsnir/AKDOj/8Agol/+Sa26KAMT7J4q/6DOj/+CiX/AOSaPsnir/oM6P8A+CiX/wCSa26KAMT7J4q/6DOj/wDgol/+SaPsnir/AKDOj/8Agol/+Sa26KAMT7J4q/6DOj/+CiX/AOSaPsnir/oM6P8A+CiX/wCSa26KAMT7J4q/6DOj/wDgol/+SaPsnir/AKDOj/8Agol/+Sa26KAMT7J4q/6DOj/+CiX/AOSaPsnir/oM6P8A+CiX/wCSa26KAMT7J4q/6DOj/wDgol/+SaPsnir/AKDOj/8Agol/+Sa26KAMT7J4q/6DOj/+CiX/AOSaPsnir/oM6P8A+CiX/wCSa26KAMT7J4q/6DOj/wDgol/+SaPsnir/AKDOj/8Agol/+Sa26KAMT7J4q/6DOj/+CiX/AOSaPsnir/oM6P8A+CiX/wCSa26KAMT7J4q/6DOj/wDgol/+SaPsnir/AKDOj/8Agol/+Sa26KAMT7J4q/6DOj/+CiX/AOSaPsnir/oM6P8A+CiX/wCSa26KAMT7J4q/6DOj/wDgol/+SaPsnir/AKDOj/8Agol/+Sa26KAMT7J4q/6DOj/+CiX/AOSaPsnir/oM6P8A+CiX/wCSa26KAMT7J4q/6DOj/wDgol/+SaPsnir/AKDOj/8Agol/+Sa26KAMT7J4q/6DOj/+CiX/AOSaPsnir/oM6P8A+CiX/wCSa26KAMT7J4q/6DOj/wDgol/+SaPsnir/AKDOj/8Agol/+Sa26KAMT7J4q/6DOj/+CiX/AOSaPsnir/oM6P8A+CiX/wCSa26KAMT7J4q/6DOj/wDgol/+SaPsnir/AKDOj/8Agol/+Sa26KAMT7J4q/6DOj/+CiX/AOSaPsnir/oM6P8A+CiX/wCSa26KAMT7J4q/6DOj/wDgol/+SaPsnir/AKDOj/8Agol/+Sa26KAMT7J4q/6DOj/+CiX/AOSaPsnir/oM6P8A+CiX/wCSa26KAMT7J4q/6DOj/wDgol/+SaPsnir/AKDOj/8Agol/+Sa26KAMT7J4q/6DOj/+CiX/AOSaPsnir/oM6P8A+CiX/wCSa26KAMT7J4q/6DOj/wDgol/+SaPsnir/AKDOj/8Agol/+Sa26KAMT7J4q/6DOj/+CiX/AOSaPsnir/oM6P8A+CiX/wCSa26KAMT7J4q/6DOj/wDgol/+SaPsnir/AKDOj/8Agol/+Sa26KAMT7J4q/6DOj/+CiX/AOSaPsnir/oM6P8A+CiX/wCSa26KAMT7J4q/6DOj/wDgol/+SaPsnir/AKDOj/8Agol/+Sa26KAMT7J4q/6DOj/+CiX/AOSaPsnir/oM6P8A+CiX/wCSa26KAMT7J4q/6DOj/wDgol/+SaPsnir/AKDOj/8Agol/+Sa26KAMT7J4q/6DOj/+CiX/AOSaPsnir/oM6P8A+CiX/wCSa26KAMT7J4q/6DOj/wDgol/+SaPsnir/AKDOj/8Agol/+Sa26KAMT7J4q/6DOj/+CiX/AOSaPsnir/oM6P8A+CiX/wCSa26KAMT7J4q/6DOj/wDgol/+SaPsnir/AKDOj/8Agol/+Sa26KAMT7J4q/6DOj/+CiX/AOSaPsnir/oM6P8A+CiX/wCSa26KAMT7J4q/6DOj/wDgol/+SaPsnir/AKDOj/8Agol/+Sa26KAMT7J4q/6DOj/+CiX/AOSaPsnir/oM6P8A+CiX/wCSa26KAMT7J4q/6DOj/wDgol/+SaPsnir/AKDOj/8Agol/+Sa26KAMT7J4q/6DOj/+CiX/AOSaPsnir/oM6P8A+CiX/wCSa26KAMT7J4q/6DOj/wDgol/+SaPsnir/AKDOj/8Agol/+Sa26KAMT7J4q/6DOj/+CiX/AOSaPsnir/oM6P8A+CiX/wCSa26KAMT7J4q/6DOj/wDgol/+SaPsnir/AKDOj/8Agol/+Sa26KAMT7J4q/6DOj/+CiX/AOSaPsnir/oM6P8A+CiX/wCSa26KAMT7J4q/6DOj/wDgol/+SaPsnir/AKDOj/8Agol/+Sa26KAMT7J4q/6DOj/+CiX/AOSaPsnir/oM6P8A+CiX/wCSa26KAMT7J4q/6DOj/wDgol/+SaPsnir/AKDOj/8Agol/+Sa26KAMT7J4q/6DOj/+CiX/AOSaPsnir/oM6P8A+CiX/wCSa26KAMT7J4q/6DOj/wDgol/+SaPsnir/AKDOj/8Agol/+Sa26KAMT7J4q/6DOj/+CiX/AOSaPsnir/oM6P8A+CiX/wCSa26KAMT7J4q/6DOj/wDgol/+SaPsnir/AKDOj/8Agol/+Sa26KAMT7J4q/6DOj/+CiX/AOSaPsnir/oM6P8A+CiX/wCSa26KAMT7J4q/6DOj/wDgol/+SaPsnir/AKDOj/8Agol/+Sa26KAMT7J4q/6DOj/+CiX/AOSajtLvWrbxPbadqt3YXUNzZzzq1tZvAyNG8K4+aVwQRKew6Vv1iXf/ACP+k/8AYMvf/RtrQBt0UUUAFYnhL/kC3H/YT1D/ANLJq26xPCX/ACBbj/sJ6h/6WTUAR+IdU1O11jRtO0mS0hfUJJVeW5gaUIETdwqunXHrVfV9R17QNNW6vLvTrwyXdvAqxWUkO0SSqjE5mbJw3HTn1pvinSn1XxL4cVo7s28cs5mltpZIjHmI4y6EFcnjqM9Ki8T6H9m8OxW+mJfXTHUrSVlluJrpgFmQk5dmIAAyccd6I/EvVfoD2fo/1Jo9W1rWdQ1WHRLnTLP+zpjbmG7t3mkkbaCHbbImxTnA4bIBOe1b+nz3VxpsM1/afY7llzLB5gk2N6BhwR7/AMq5LURp91qF1H4w8NzS3cMmbO/sNOmlZ4g25NssQZ43BHIJXnkcGt3wrDqUHhqCPWWma5DPgTuHkWPefLV2BOWCbQTk89z1pfZ/r+vl0B7/ANf18zG8M+M7vWPDF/dX9vBBqNrFJOkaZ2SxAsEcDOcZQqeeqn1FaVv4ts4tC0271RnFzd2aXLxWltLMVBUFm2oGKrk4yePeuXi0TUYPhpaXdnZTjVbOC4ja1KFXnhdn3RkEZzyHUeqj1oji1CC30+2uotWtITottEq6dZZkuJADuhll2FogOMfMmNzHcOxrr8v1/wCAPt8/0/4J2F14s0W0FkZLwyG/jMtotvC8zTqMZ2hFJP3gcDnGT2NQ23jbQLt4Vt713E0ghWT7NKESQnAjdyu1Hz/CxDcjjkVzPhPT72O48HfaLC6hNlplzBP5sLL5UmYxgkjvg4PcdKSTS77/AIQW+gWxuPPfxAZhGIW3Mn2wNvxjJG0Zz0xzVac1v63t+Wovs3/ra51tx4r0a11B7Oe6YSRyLFJIIJGiidsYV5QuxWORwWB5HqK047hJLiWFRIGixuLRMqnIyMMRhvwJx3rzdtJuLaz1fRdTufEhF5dzsLfTrCKSK5jmckETNEQpw2DvkXGD0GK9FtZU5tlE+63VQzSxsM5HGGxtY+u0nBpLa4PR2LFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAVNS1Oz0iz+06hN5Ue5UXClmdicBVVQSzE9AATWWnjjw+0d2zXzRfYvL+0rNbSxtDvbau5WUEZPt0IPQ5pniuCcXWi6lFby3UOnXvm3EMKF32NG6bwo5YqWBwOcZwDXIam0mueIPEMljp12FaLTAEltmSSULcsS/lkbgMKfvAcLnpg0LVjen9eZ3E3ivSreG3eVrsPcKzRwCwnMxVTgsYgm8KPUgDkeoqWfxLpMGnWt8bvzYLwgW32eNpnmOM4VEBZuAScDjBzXO65Z3dn44fVGvNXtbS5sY4Fl0yzW5KOjsSrqYpGAIYEEADIOT0rL/sS4sH0XVLWXxBbWifa/Nf7LFLdxtO6vvMQjYBSQchU3LkZA5wLX+v63EzsZPFuiRaZDfyXu23nnNun7p9/mgH92UxuD/KRtIBzx1IFZ2p+OLK3t7C5s5Q0Emoizu1mt5Fli/du23yyA4ckLgFTnPAORWRb6U73On3ltHrNyJ9eW4nl1G3SNiFgdPM8tFUovCjLKpJx6in3WmXjeNJJlspzCdet5vMER2lBZlS+cYwG4z68ULdeq/wDbf82Pv6P9f8kdOninR30ufUPtZSC3k8qUSwukiPxhDGyh9xyMLjJyMZzRH4o0iSzmuftLxpbypFMksEkckTOQEDRsocZLDBIx36Vy+oabfR+I9Q1OOzuZLe01i3u2jiiJaeMWwRmQfxlSc4GT8pA54qLXLS+1qbWtY07Trr7OILNIo5YGiluTDP5rlY3AbhTgZAJPTNC1/ryX/DA1/Xz/AKZ2d7r+madNPDe3QikghWd1KMTtZiq4wPmJYEBRkk9uRUMHinSJ4buQ3TWws0Elwt5BJbvGh6MVkVTtODzjGRiuW1AR65r2qXVzpGsnTjp9skcsVtJDNvSZ23xhtr7kJBxjcccBgRmDUbbXdc0fVLS2uNTvrKJrae3lvbJba4d0kDSRqrIgb5VBBZMZOMnnCW2v9ah10/rY7XTPEGnavNJDZyyiaNA7Q3FvJA+09GCyKpK8dQMVpVx+hwpe+KIr9rrxFeSW1q8Yl1GyjtYkDlSUx5UbO3yA8BgMckZFdhVEhRRRSGFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHMtqOu3/izVNM026060gsY4GBuLJ5mcyAk8iVAMbfSkn1zU9K1y10/UDbXgewubuR7a2eNmMZTaqqXbsx7nJx0qtF4eXUPHmu3N6uowwtFbCGS3u57ZZMK27mNlDY49cZ96dqOnX1v4w019Iikk+z6TdRxTXJklQSFotgkcnJzg9WycGl/wAH8mP/AIH5ofp+q+JL/SbPWrI6Vf2tztkNjboyyKjdQs5k2sy98ooOCOK6HUI7+S3A0u5trabdkvc27TKV9Nquhz05z+FcFfwWt9YtPo/h3UdI8WOCoktrKS3UTFgWMkygRSR5XPzMwI6Ak4r0ZNwRd5BbHJA6mqZKuclo+u6u2m3Gr69qOmx6fZ3E8U6wafKGxG7Ju3ea2OQCflOBn61t6p4j0nRd39p3i24RFkdmViqqzhFJIGACxxz7noDWd4a0wyeGtQsdSt3RLm9vQ0ciFd0bzPzz2IOQfeuJlhvF8BXep6rbtPdJe2diqBgWlS3nROp4+Z95/EUuqXp+JTWr9X/X3XPRtN8R6XqrTLaTurwIJJEuIJIGVDnD7ZFUlTg/MOOKZp3inSNVukt7K5dpJEMkXmW8kSzqOrRs6gSDkcqTwQa5nWrK88Y317JpUF3aQro1xZiS7ge3MsspUhQrgNgbeWxj5uM80aRbG+1LRluZ/E8s1ixl8m5sIYIbZghQhpBEm8YYgBGbPXpzTWv9ev8Aw4n/AF+H/DHcW1wl1brNEJFVs4EsTRt1xyrAEfiKlqK2uEurdZohIqtnAliaNuuOVYAj8RUtIAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACoL69t9N0+e9vZPKt7eNpJX2k7VAyTgcn8KnrF8YwTXXgnWYLaJ5ppLKVUjjUszkocAAck1Mm1FtFRSckmQr458PvIsaXc7SSJvhRbKYtcL6xDZmUd8pu456c1aPijSf7Nt75LiSWK5ZlhSG3kklcrncPKVS+VwcjHGOcVlfYbgeL/DMwtZPJt9NnSR/LO2JiIsAnsTg8exrnrWDUrGSMTx6lp9q19qLPd2WnefcDdMCigGNyqMMncF52rzVve3r+DsStVf0/I7KXxdocOmWuoSX2La7lMMLCJyzSDPybQNwb5SNpAOeOvFQf8J34f2yMbuYeS22cNZTg23vKNmYgexfAPPoa5LRNMvktdFgl0y/hNt4jnmkW4RnZI2WVldnOQw+Zctk8981pX+m3j6f8QAlnOz3i4twIiTP/oyj5OPm5yOO9Teyb/rZf5jSu0v63a/Q6PVvFWl6Q00VxcMZoovMkEcEkqwg/dMjIpEYOOrEDAJ7VS0zxlat4Y0q/wBXLLdXtmty8NnayzbRgZbagZlXJxk8e9ZNm0/h+PWYL7Sr+7bUlSa2NtaNKJMwJH5TEDCEFT9/Aw3XrWXplvqVrpWl2l7Bq9lH/YsESpp9l+9uJBu3Qyy7C0QGRj5kxuY7h2b0vby/US1s/wCuh3N14q0azjsnkvDINQjMloLeF5mnUYztCAk8MDgc4yexotfEFjqN1YfYL6N47uOZkjMD73KFQ3JxsKk4KsM89sGuW8J2F5GPBouLC5hay0+6huPNhZfKfMYwSR3wcHuOlP0HTbyDxXaSyWU8cS3WrMXaIhQHmQoc46MASPXtT05reofZTO9ooopAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAViXf/ACP+k/8AYMvf/RtrW3WJd/8AI/6T/wBgy9/9G2tAG3RRRQAVieEv+QLcf9hPUP8A0smrbrE8Jf8AIFuP+wnqH/pZNQBt0UUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAFPU9Js9XgSK/jZhG4kjeOVonjYd1dCGU4JHBHBIpNN0iz0lJFso3DStulllleWSQ4wNzuSzYHAyeBwKu0UAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUARzwrcW8kMhcLIpUmORkYA+jKQQfcHNU5dD06fSYtNlt91pEyMse9vvIwZSTnJO4A5J575rQooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKxLv/AJH/AEn/ALBl7/6Nta26xLv/AJH/AEn/ALBl7/6NtaANuiiigArE8Jf8gW4/7Ceof+lk1bdYnhL/AJAtx/2E9Q/9LJqANuiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigArEu/+R/0n/sGXv/o21rbrEu/+R/0n/sGXv/o21oA26KKKACsTwl/yBbj/ALCeof8ApZNW3WIfCOl+ZK8b6lD5srzMkGq3USb3YsxCrIAMsSeB3oA26KxP+ES07/n51j/wd3n/AMdo/wCES07/AJ+dY/8AB3ef/HaANuisT/hEtO/5+dY/8Hd5/wDHaP8AhEtO/wCfnWP/AAd3n/x2gDborE/4RLTv+fnWP/B3ef8Ax2j/AIRLTv8An51j/wAHd5/8doA26KxP+ES07/n51j/wd3n/AMdo/wCES07/AJ+dY/8AB3ef/HaANuisT/hEtO/5+dY/8Hd5/wDHaP8AhEtO/wCfnWP/AAd3n/x2gDborE/4RLTv+fnWP/B3ef8Ax2j/AIRLTv8An51j/wAHd5/8doA26KxP+ES07/n51j/wd3n/AMdo/wCES07/AJ+dY/8AB3ef/HaANuisT/hEtO/5+dY/8Hd5/wDHaP8AhEtO/wCfnWP/AAd3n/x2gDborE/4RLTv+fnWP/B3ef8Ax2j/AIRLTv8An51j/wAHd5/8doA26KxP+ES07/n51j/wd3n/AMdo/wCES07/AJ+dY/8AB3ef/HaANuisT/hEtO/5+dY/8Hd5/wDHaP8AhEtO/wCfnWP/AAd3n/x2gDborE/4RLTv+fnWP/B3ef8Ax2j/AIRLTv8An51j/wAHd5/8doA26KxP+ES07/n51j/wd3n/AMdo/wCES07/AJ+dY/8AB3ef/HaANuisT/hEtO/5+dY/8Hd5/wDHaP8AhEtO/wCfnWP/AAd3n/x2gDborE/4RLTv+fnWP/B3ef8Ax2j/AIRLTv8An51j/wAHd5/8doA26KxP+ES07/n51j/wd3n/AMdo/wCES07/AJ+dY/8AB3ef/HaANuisT/hEtO/5+dY/8Hd5/wDHaP8AhEtO/wCfnWP/AAd3n/x2gDborE/4RLTv+fnWP/B3ef8Ax2j/AIRLTv8An51j/wAHd5/8doA26KxP+ES07/n51j/wd3n/AMdo/wCES07/AJ+dY/8AB3ef/HaANuisT/hEtO/5+dY/8Hd5/wDHaP8AhEtO/wCfnWP/AAd3n/x2gDborE/4RLTv+fnWP/B3ef8Ax2j/AIRLTv8An51j/wAHd5/8doA26KxP+ES07/n51j/wd3n/AMdo/wCES07/AJ+dY/8AB3ef/HaANuisT/hEtO/5+dY/8Hd5/wDHaP8AhEtO/wCfnWP/AAd3n/x2gDborE/4RLTv+fnWP/B3ef8Ax2j/AIRLTv8An51j/wAHd5/8doA26KxP+ES07/n51j/wd3n/AMdo/wCES07/AJ+dY/8AB3ef/HaANuisT/hEtO/5+dY/8Hd5/wDHaP8AhEtO/wCfnWP/AAd3n/x2gDborE/4RLTv+fnWP/B3ef8Ax2j/AIRLTv8An51j/wAHd5/8doA26KxP+ES07/n51j/wd3n/AMdo/wCES07/AJ+dY/8AB3ef/HaANuisT/hEtO/5+dY/8Hd5/wDHaP8AhEtO/wCfnWP/AAd3n/x2gDborE/4RLTv+fnWP/B3ef8Ax2j/AIRLTv8An51j/wAHd5/8doA26KxP+ES07/n51j/wd3n/AMdo/wCES07/AJ+dY/8AB3ef/HaANuisT/hEtO/5+dY/8Hd5/wDHaP8AhEtO/wCfnWP/AAd3n/x2gDborE/4RLTv+fnWP/B3ef8Ax2j/AIRLTv8An51j/wAHd5/8doA26KxP+ES07/n51j/wd3n/AMdo/wCES07/AJ+dY/8AB3ef/HaANuisT/hEtO/5+dY/8Hd5/wDHaP8AhEtO/wCfnWP/AAd3n/x2gDborE/4RLTv+fnWP/B3ef8Ax2j/AIRLTv8An51j/wAHd5/8doA26KxP+ES07/n51j/wd3n/AMdo/wCES07/AJ+dY/8AB3ef/HaANuisT/hEtO/5+dY/8Hd5/wDHaP8AhEtO/wCfnWP/AAd3n/x2gDborE/4RLTv+fnWP/B3ef8Ax2j/AIRLTv8An51j/wAHd5/8doA26KxP+ES07/n51j/wd3n/AMdo/wCES07/AJ+dY/8AB3ef/HaANuisT/hEtO/5+dY/8Hd5/wDHaP8AhEtO/wCfnWP/AAd3n/x2gDborE/4RLTv+fnWP/B3ef8Ax2j/AIRLTv8An51j/wAHd5/8doA26KxP+ES07/n51j/wd3n/AMdo/wCES07/AJ+dY/8AB3ef/HaANuisT/hEtO/5+dY/8Hd5/wDHaP8AhEtO/wCfnWP/AAd3n/x2gDborE/4RLTv+fnWP/B3ef8Ax2j/AIRLTv8An51j/wAHd5/8doA26KxP+ES07/n51j/wd3n/AMdo/wCES07/AJ+dY/8AB3ef/HaANuisT/hEtO/5+dY/8Hd5/wDHaP8AhEtO/wCfnWP/AAd3n/x2gDborE/4RLTv+fnWP/B3ef8Ax2j/AIRLTv8An51j/wAHd5/8doA26KxP+ES07/n51j/wd3n/AMdo/wCES07/AJ+dY/8AB3ef/HaANuisT/hEtO/5+dY/8Hd5/wDHaP8AhEtO/wCfnWP/AAd3n/x2gDborE/4RLTv+fnWP/B3ef8Ax2j/AIRLTv8An51j/wAHd5/8doA26KxP+ES07/n51j/wd3n/AMdo/wCES07/AJ+dY/8AB3ef/HaANuisT/hEtO/5+dY/8Hd5/wDHaP8AhEtO/wCfnWP/AAd3n/x2gDborE/4RLTv+fnWP/B3ef8Ax2j/AIRLTv8An51j/wAHd5/8doA26KxP+ES07/n51j/wd3n/AMdo/wCES07/AJ+dY/8AB3ef/HaANuisT/hEtO/5+dY/8Hd5/wDHaP8AhEtO/wCfnWP/AAd3n/x2gDborE/4RLTv+fnWP/B3ef8Ax2j/AIRLTv8An51j/wAHd5/8doA26KxP+ES07/n51j/wd3n/AMdo/wCES07/AJ+dY/8AB3ef/HaANuisT/hEtO/5+dY/8Hd5/wDHaP8AhEtO/wCfnWP/AAd3n/x2gDborE/4RLTv+fnWP/B3ef8Ax2j/AIRLTv8An51j/wAHd5/8doA26KxP+ES07/n51j/wd3n/AMdo/wCES07/AJ+dY/8AB3ef/HaANuisT/hEtO/5+dY/8Hd5/wDHaP8AhEtO/wCfnWP/AAd3n/x2gDborE/4RLTv+fnWP/B3ef8Ax2j/AIRLTv8An51j/wAHd5/8doA26KxP+ES07/n51j/wd3n/AMdo/wCES07/AJ+dY/8AB3ef/HaANusS7/5H/Sf+wZe/+jbWj/hEtO/5+dY/8Hd5/wDHansPDmn6dqAvYDeSXCxNCr3V/PcbUYqWAEjsBkovT0FAGpRRRQAVjz+L/DdtcSQXPiHSoZomKSRyXsasjA4IILZBB7VsVieEv+QLcf8AYT1D/wBLJqAD/hNfCv8A0M2j/wDgfF/8VR/wmvhX/oZtH/8AA+L/AOKrbooAxP8AhNfCv/QzaP8A+B8X/wAVR/wmvhX/AKGbR/8AwPi/+KrbooAxP+E18K/9DNo//gfF/wDFUf8ACa+Ff+hm0f8A8D4v/iq26KAMT/hNfCv/AEM2j/8AgfF/8VR/wmvhX/oZtH/8D4v/AIqtuigDE/4TXwr/ANDNo/8A4Hxf/FUf8Jr4V/6GbR//AAPi/wDiq26KAMT/AITXwr/0M2j/APgfF/8AFUf8Jr4V/wChm0f/AMD4v/iq26KAMT/hNfCv/QzaP/4Hxf8AxVH/AAmvhX/oZtH/APA+L/4qtuigDE/4TXwr/wBDNo//AIHxf/FUf8Jr4V/6GbR//A+L/wCKrbooAxP+E18K/wDQzaP/AOB8X/xVH/Ca+Ff+hm0f/wAD4v8A4qtuigDE/wCE18K/9DNo/wD4Hxf/ABVH/Ca+Ff8AoZtH/wDA+L/4qtuigDE/4TXwr/0M2j/+B8X/AMVR/wAJr4V/6GbR/wDwPi/+KrbooAxP+E18K/8AQzaP/wCB8X/xVH/Ca+Ff+hm0f/wPi/8Aiq26KAMT/hNfCv8A0M2j/wDgfF/8VR/wmvhX/oZtH/8AA+L/AOKrbooAxP8AhNfCv/QzaP8A+B8X/wAVR/wmvhX/AKGbR/8AwPi/+KrbooAxP+E18K/9DNo//gfF/wDFUf8ACa+Ff+hm0f8A8D4v/iq26KAMT/hNfCv/AEM2j/8AgfF/8VR/wmvhX/oZtH/8D4v/AIqtuigDE/4TXwr/ANDNo/8A4Hxf/FUf8Jr4V/6GbR//AAPi/wDiq26KAMT/AITXwr/0M2j/APgfF/8AFUf8Jr4V/wChm0f/AMD4v/iq26KAMT/hNfCv/QzaP/4Hxf8AxVH/AAmvhX/oZtH/APA+L/4qtuigDE/4TXwr/wBDNo//AIHxf/FUf8Jr4V/6GbR//A+L/wCKrbooAxP+E18K/wDQzaP/AOB8X/xVH/Ca+Ff+hm0f/wAD4v8A4qtuigDE/wCE18K/9DNo/wD4Hxf/ABVH/Ca+Ff8AoZtH/wDA+L/4qtuigDE/4TXwr/0M2j/+B8X/AMVR/wAJr4V/6GbR/wDwPi/+KrbooAxP+E18K/8AQzaP/wCB8X/xVH/Ca+Ff+hm0f/wPi/8Aiq26KAMT/hNfCv8A0M2j/wDgfF/8VR/wmvhX/oZtH/8AA+L/AOKrbooAxP8AhNfCv/QzaP8A+B8X/wAVR/wmvhX/AKGbR/8AwPi/+KrbooAxP+E18K/9DNo//gfF/wDFUf8ACa+Ff+hm0f8A8D4v/iq26KAMT/hNfCv/AEM2j/8AgfF/8VR/wmvhX/oZtH/8D4v/AIqtuigDE/4TXwr/ANDNo/8A4Hxf/FUf8Jr4V/6GbR//AAPi/wDiq26KAMT/AITXwr/0M2j/APgfF/8AFUf8Jr4V/wChm0f/AMD4v/iq26KAMT/hNfCv/QzaP/4Hxf8AxVH/AAmvhX/oZtH/APA+L/4qtuigDE/4TXwr/wBDNo//AIHxf/FUf8Jr4V/6GbR//A+L/wCKrbooAo6drelax5n9kanZ3/lY8z7LcLLsznGdpOM4P5Gp7y9tdOtHutQuYbW3jxvmnkCIuTgZY8DkgfjWXaf8j/q3/YMsv/Rt1R4t/wCQLb/9hPT/AP0shoAP+E18K/8AQzaP/wCB8X/xVH/Ca+Ff+hm0f/wPi/8Aiq26KAMT/hNfCv8A0M2j/wDgfF/8VR/wmvhX/oZtH/8AA+L/AOKrbooAxP8AhNfCv/QzaP8A+B8X/wAVR/wmvhX/AKGbR/8AwPi/+KrbooAxP+E18K/9DNo//gfF/wDFUf8ACa+Ff+hm0f8A8D4v/iq26KAMT/hNfCv/AEM2j/8AgfF/8VR/wmvhX/oZtH/8D4v/AIqtuigDE/4TXwr/ANDNo/8A4Hxf/FUf8Jr4V/6GbR//AAPi/wDiq26KAMT/AITXwr/0M2j/APgfF/8AFUf8Jr4V/wChm0f/AMD4v/iq26KAMT/hNfCv/QzaP/4Hxf8AxVH/AAmvhX/oZtH/APA+L/4qtuigDE/4TXwr/wBDNo//AIHxf/FUf8Jr4V/6GbR//A+L/wCKrbooAxP+E18K/wDQzaP/AOB8X/xVH/Ca+Ff+hm0f/wAD4v8A4qtuigDE/wCE18K/9DNo/wD4Hxf/ABVH/Ca+Ff8AoZtH/wDA+L/4qtuigDE/4TXwr/0M2j/+B8X/AMVR/wAJr4V/6GbR/wDwPi/+KrbooAxP+E18K/8AQzaP/wCB8X/xVH/Ca+Ff+hm0f/wPi/8Aiq26KAMT/hNfCv8A0M2j/wDgfF/8VR/wmvhX/oZtH/8AA+L/AOKrbooAxP8AhNfCv/QzaP8A+B8X/wAVR/wmvhX/AKGbR/8AwPi/+KrbooAxP+E18K/9DNo//gfF/wDFUf8ACa+Ff+hm0f8A8D4v/iq26KAMT/hNfCv/AEM2j/8AgfF/8VR/wmvhX/oZtH/8D4v/AIqtuigDE/4TXwr/ANDNo/8A4Hxf/FUf8Jr4V/6GbR//AAPi/wDiq26KAMT/AITXwr/0M2j/APgfF/8AFUf8Jr4V/wChm0f/AMD4v/iq26KAMT/hNfCv/QzaP/4Hxf8AxVH/AAmvhX/oZtH/APA+L/4qtuigDE/4TXwr/wBDNo//AIHxf/FUf8Jr4V/6GbR//A+L/wCKrbooAxP+E18K/wDQzaP/AOB8X/xVH/Ca+Ff+hm0f/wAD4v8A4qtuigDE/wCE18K/9DNo/wD4Hxf/ABVH/Ca+Ff8AoZtH/wDA+L/4qtuigDE/4TXwr/0M2j/+B8X/AMVR/wAJr4V/6GbR/wDwPi/+KrbooAxP+E18K/8AQzaP/wCB8X/xVH/Ca+Ff+hm0f/wPi/8Aiq26KAMT/hNfCv8A0M2j/wDgfF/8VR/wmvhX/oZtH/8AA+L/AOKrbooAxP8AhNfCv/QzaP8A+B8X/wAVR/wmvhX/AKGbR/8AwPi/+KrbooAxP+E18K/9DNo//gfF/wDFUf8ACa+Ff+hm0f8A8D4v/iq26KAMT/hNfCv/AEM2j/8AgfF/8VR/wmvhX/oZtH/8D4v/AIqtuigDE/4TXwr/ANDNo/8A4Hxf/FUf8Jr4V/6GbR//AAPi/wDiq26KAMT/AITXwr/0M2j/APgfF/8AFUf8Jr4V/wChm0f/AMD4v/iq26KAMT/hNfCv/QzaP/4Hxf8AxVWtP8Q6Lq1w0GlavYX0yrvaO2uUkYLkDOFJOMkc+9aNYl3/AMj/AKT/ANgy9/8ARtrQBt0UUUAFYnhL/kC3H/YT1D/0smrbrE8Jf8gW4/7Ceof+lk1AGzJIkUbSSsqIgLMzHAUDqSaZa3Vve2sdzZzx3EEgyksThlYeoI4Ncx8Qb9U0e30jE7Nq04t5Ps8LyusA+aVgqAsflGOAfvViaZrY0nTfF2naYLi2+xQS6lp32i0eFlR1ZiAkqgkLIG7Y5FK+jfb+v69GO12kej1FLdQQSRRzzxxvO2yJXcAyNgnCg9TgE4HpXC6h4g1rwxHDd3t+dUW50me8aGSFEWOWMIQE2KDsO/BDFjx1pdTsdVtvE3hGXUdYe/WW9YyRvDGgjk8iQ/u9qg7fvDDFj0565q2tv63sTfS531Fcxr1zqknjDR9J0/UnsLe6t7iSdo4kdzsKbdpdSAfm7gjBPGcEYEGteIINBbV7nWHnNpq/2A2/2eJUuIhcCIs+F3BzknKlV4Hy9cpa2/rrYb0X9ep6NUM15a26s1xcwxBCoYvIF2ljhQc9Mk4HrXn0vi3VbqPUtRsLjU/OtbqWK10230eSaCdYmK7XlERO5sHlXAXI44OaWrW920Pi2dL643yahYbIriOPajMbcgkKob5c7cZ6DnJ5oWtv67DtrY9UorhNR13V/Dd5qdjJqDakwtraS1muoUDRyTTGLkRhQVBAbHXqM0/WNd1TwbNIl1fPrMb6ZPdIbmONHSWLbx+7VRsO/uMjHX0P6+4LO9js5bqCCSKOeeON522RK7gGRsE4UHqcAnA9KlrgdTsdVtvE3hGXUdYe/WW9YyRvDGgjk8iQ/u9qg7fvDDFj056576nbQm4UUUUhhRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAMYtvCqQMgnkZ9KMSf3l/75/8Ar0H/AFy/7p/pVe+1bTtLAOpaha2YKlgbiZY8gEAnk9MsB+I9aALGJP7y/wDfP/16MSf3l/75/wDr1Rj8Q6LNcW9vFq9hJNdLvt41uULTLzyozlhweR6GlXWbSK2knv7yxt41nkiDi6BXK5yCSBhgFJK9sHk4zQBdxJ/eX/vn/wCvRiT+8v8A3z/9eorHULPU7UXOm3cF3AxIEtvIJFJHXkHFWKAGYk/vL/3z/wDXoxJ/eX/vn/69PooAZiT+8v8A3z/9ejEn95f++f8A69PooAZiT+8v/fP/ANejEn95f++f/r0+igBmJP7y/wDfP/16MSf3l/75/wDr0+igBmJP7y/98/8A16MSf3l/75/+vT6KAGYk/vL/AN8//XoxJ/eX/vn/AOvT6KAGYk/vL/3z/wDXoxJ/eX/vn/69PooAZiT+8v8A3z/9ejEn95f++f8A69PooAZiT+8v/fP/ANepbeCS4uFi8xV3Z52Z7fWm1a07/j/j/H+RoAm/saT/AJ+V/wC/X/2VH9jSf8/K/wDfr/7KrraharqS6e8u26eLzUjYEb1BwSD0OO4HIyM9RQ2oWq6kmnmXN08ZlESqSQgONxxwozwM4z2oAybu0ezkjVpFkDhjwm3GMe59agrQ1n/XW/8Auv8A+y1n0AYlp/yP+rf9gyy/9G3VHi3/AJAtv/2E9P8A/SyGi0/5H/Vv+wZZf+jbqjxb/wAgW3/7Cen/APpZDQBt1S1HWdM0dUbVtRtLFZCQhuZ1jDEdcbiM1drmPCaC51LXtQukBvf7Rkti7D5khTGxAey4+bHTLE0bu39f1qGyudJDNHcQpNBIssUihkdGBVgehBHUU+uTuJbTQrvTrHw9PHGlxrOy9gjcPsLxSSFdpz5eSFbAx+pzR1PW9YfxFPp1pqBto21mC0V1iRmjia1MjAblPO7kE559uKFrt/W3+Y7f5/n/AJHdUVw82sapps3ia9uNTnubXQY1MVsYoh9oP2dWPmMEz945+Xb1PUYAbpGuaqNT0tWutV1NLzK3iXGjSW8VsShYPG5iX5Qw24ZmJBBzxyCeh3VRm5gW3a4aaMQoCzSFhtUDqSenGK8/0zUvEMui+HNQu9clkOsyfZ5o1t4VWING7K6fJneNgzklTk/KOK3Ph3bsnw90pZriS5EluCBKE+QEfdG1Rx9cnnrRrr5D2Z0sE8Vzbxz20qTQyKHSSNgyup5BBHBHvTba5gvLdZ7SaOeF87ZInDK2Dg4I46iuAivZtB8Hap4at3Iv7W7/ALOsMnJKTnML/RVY/wDfs1e1OV9EFtoWlX93apaWC+Tb6XZieZ2yVBkLxtHGnHViuTuyQBSbW/8AW1xWe39b2/E7ao4LiC5Vmtpo5VR2jYxsG2sDgqcdweCK4mx1vWNej8KKmoNp/wDadhNPdtbxRliyCPG3erAcsex4J74Il/4SC9/sSZrjUjbu2sz2ayx2xlmESyOAsUaI258KOqkAZJziqejt/W9g6X/rZv8AQ7C4uoLSLzbueOCPcF3yuFGScAZPckgCnTTRW8Ek1xIkUUal3kdgqqo5JJPQV5hqWralqvhHWbS4mmaWz1azjtpr+BI5SrSROpkRNoH3umFOMAgHNaniS51HS7bVdHvdSk1OC80O7uEknjjSSJ41AI/dqoKkOOoyCOpzxLdo3/ra5UVdpf1vY71WV0DIwZWGQQcgilrzpfEd7d3V5a22oalYJpsUUMCWWkvdrNIYlctIwifj5gNqlTjJzyMdvol7caloVleXtq9nczwq8tvIpUxsRyMHkc+tW1ZshO6ReoooqRhRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAViXf/I/6T/2DL3/0ba1t1iXf/I/6T/2DL3/0ba0AbdFFFABWJ4S/5Atx/wBhPUP/AEsmrbrE8Jf8gW4/7Ceof+lk1AF06RA3iBdXd5HuEtzbxqSNkaltzEDGcnAyc/wiqeueF7LXrhJrmW4hkW2mtS0DKN8cq7WU5B6cEe4/CtqilbSw72dzKuvDlhezWj3YeVLW2ltRExBSRJAobcMc8IOmO9UIfBcEeo6ddz6vql3/AGY5a0hnlQpGCpXBwgLcHqxLcdeTnpKKq+txdLFGfSILjXbTVXeQT2kUkUagjaQ+3ORjOflGOfWqDeEbBtGl00y3Hky3v25m3LuD+aJcD5cbdwx0zjv3rdopf1+oGDL4UjNxcNaatqdjb3UvnT2trKiI7k5YhipdN3fYy9zwSTSXXhCzu7q+le8vES+eCSaFXQrviKFWBKls4QA84Izxnmt+igDJvvDdhqV5d3F4JXN3aJayIH2gKrMwYEchst1z2FQW/hS0Eskuq3V1rEslsbXffFDtib7ygIqjnAySCTgc1u0UAc3D4Lgj1HTrufV9Uu/7MctaQzyoUjBUrg4QFuD1YluOvJz0lFFFwCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAGH/AFy/7p/pXMavBFN8TvDrSxq5is7t0LDO1v3YyPfBP5107nbKpIOMEcAn0o8xfRv++DR1TDoeYC3ht/AF+8ESRufE2/cgwdwvVAP1wAKsxwRXEemxzxrIn/CX3LbWGRkGcj9QDXo3mL6N/wB8GjzF9G/74NEdLeVvw5f8ht3v53/G/wDmc94cRY/FXipUG0G9hYgept48mukpnmL6N/3waPMX0b/vg0dEhD6KZ5i+jf8AfBo8xfRv++DQA+imeYvo3/fBo8xfRv8Avg0APopnmL6N/wB8GjzF9G/74NAD6KZ5i+jf98GjzF9G/wC+DQA+imeYvo3/AHwaPMX0b/vg0APopnmL6N/3waPMX0b/AL4NAD6KZ5i+jf8AfBo8xfRv++DQA+imeYvo3/fBo8xfRv8Avg0APq1p3/H/AB/j/I1S8xfRv++DViyuY4rxHk3BRnJ2H0+lAGnqulQ6tbCKZmjeNg8E8fEkMg6Op9f0IyDkHFN0nSI9Khf961xdTtvubqUfPM3qcdAOgUcAcCpP7Vs/+ejf9+m/wo/tWz/56N/36b/CgCrrP+ut/wDdf/2Ws+reo3UV1NCYCzBVbOUIxnHqPaqlAGJaf8j/AKt/2DLL/wBG3VHi3/kC2/8A2E9P/wDSyGi0/wCR/wBW/wCwZZf+jbqjxb/yBbf/ALCen/8ApZDQBt1j3fh1JdRkvtP1G90q4nAFw1oYys+MAFlkR13ADG4AHHBJAGNiigDAbwbpw0eKxhluoZIrkXi3qyBpzOOshZgQxOSCCCMHGBxhlr4Msre8F095fXFwb1b55JpFJeVYjHzhQAMHOBjB6YHFdFRR/X9fcgM5NCs1m1V5A0y6qQbmOQgqQIxHgDHQqO+aq2Hhs2M8DPrWq3UFspWG2mmUIg6DJRVaTA4G8t69ea26KAMWDwtZW+maRYpLcGLSJVlgJZdzEKy/NxyMOemO1WdC0aPQNKj0+3ubieCIkReeVJjXsgKqMge+T71o0UAY9z4ZsLrxRa69J5ourZNiqpAR+GAZhjJIDtjn+I0moeGor7VJL6O/vbKSeFbe5W2dAJ4wSQCWUlcbmGUKnnr0rZooAwtK8J2Wkf2YLee6kGlxSw24lZThJCpwcKM42gD265pJPCNo1uqQXd3bTR30l/FcxMheOSQtuA3KVK4dhgg8H8a3qKP6/UOljlpPAGnz2mo289/qUi6lLFPcs0y7mkjIO8EL8pO0AgYAAG0LVr/hEbeWG+XUNQvr+a9tWs2uLho98UTDBVAqKo65zgkkDJOBW/RR0sBgz+FIzPJNp2q6jpjzRLFObRo/321dqsd6NhgONy4PT0GNq3gW1to4I2kZY1CgyyNIxA9WYkk+5NSUU7gFFFFIAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKxLv8A5H/Sf+wZe/8Ao21rbrEu/wDkf9J/7Bl7/wCjbWgDbooooAKxPCX/ACBbj/sJ6h/6WTVt1ieEv+QLcf8AYT1D/wBLJqANuiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAxLT/kf9W/7Bll/wCjbqjxb/yBbf8A7Cen/wDpZDRaf8j/AKt/2DLL/wBG3VHi3/kC2/8A2E9P/wDSyGgDbooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKxLv8A5H/Sf+wZe/8Ao21rbrEu/wDkf9J/7Bl7/wCjbWgDbooooAKxPCX/ACBbj/sJ6h/6WTVt1ieEv+QLcf8AYT1D/wBLJqANuiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACims4UgHOT6Amk8xfRv++DQA+imeYvo3/fBo8xfRv++DQA+imeYvo3/fBo8xfRv++DQA+imeYvo3/fBo8xfRv++DQA+imeYvo3/fBo8xfRv++DQA+imeYvo3/fBo8xfRv++DQA+imeYvo3/fBo8xfRv++DQA+imeYvo3/fBo8xfRv++DQA+imeYvo3/fBo8xfRv++DQA+imeYvo3/fBo8xfRv++DQA+imeYvo3/fBo8xfRv++DQA+imeYvo3/fBpytvYKiuxPQBCf6UALRTvKl/54Tf9+m/wo8qX/nhN/wB+m/woAbRQwZWAdHQkZG9CufzooAxLT/kf9W/7Bll/6NuqPFv/ACBbf/sJ6f8A+lkNFp/yP+rf9gyy/wDRt1R4t/5Atv8A9hPT/wD0shoA26KK43wz4k1C48TarYaxKr27308WnOEClfLxuiOBzwQwJ5OG9KFq7A9Fc7KiuS0DxTPJ4bsJLyK41PUruS4CQ2yxq7rHIwLfMVQADaMkjqOpNWZPHGnppdleLa30jXl21klskSmVJ13ZRhuwOUIyCR3zjmgDpKK5VvHtskd60mjaqh01sagpji/0QYyGY+Zhhjn5CxwOQOM3L3xZb293PBZ2F9qX2WNZbl7NEZYFYZGdzAsSvO1AxxjjkZAN6iorW6hvbOG6tJFlgnQSRyL0ZSMg/lUtGwBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUqqzuqRo7uxwFRSxPfoKSr+hf8jBZ/7z/wDoDUAVvsV5/wA+V1/4Dv8A4UfYrz/nyuv/AAHf/CvQqKAPPfsV5/z5XX/gO/8AhR9ivP8Anyuv/Ad/8K9CooA89+xXn/Pldf8AgO/+FH2K8/58rr/wHf8Awr0KigDz37Fef8+V1/4Dv/hR9ivP+fK6/wDAd/8ACvQqKAPPfsV5/wA+V1/4Dv8A4UfYrz/nyuv/AAHf/CvQqKAPPfsV5/z5XX/gO/8AhR9ivP8Anyuv/Ad/8K9CooA89+xXn/Pldf8AgO/+FH2K8/58rr/wHf8Awr0KigDz37Fef8+V1/4Dv/hR9ivP+fK6/wDAd/8ACvQqKAPPfsV5/wA+V1/4Dv8A4UfYrz/nyuv/AAHf/CvQqKAPPfsV5/z5XX/gO/8AhR9ivP8Anyuv/Ad/8K9CooA89+xXn/Pldf8AgO/+FH2K8/58rr/wHf8Awr0KigDz37Fef8+V1/4Dv/hR9ivP+fK6/wDAd/8ACvQqKAPPfsV5/wA+V1/4Dv8A4UySCeEAz280QY4BkiZQT6ZI9q9FrB8W/wDINt/+vgf+gNQBytYl3/yP+k/9gy9/9G2tbdYl3/yP+k/9gy9/9G2tAG3RRRQAVieEv+QLcf8AYT1D/wBLJq26xPCX/IFuP+wnqH/pZNQAa9qF2l9p+j6ZKtvdagZCbho9/kxIAWYA8FssoGeMnJBxg1Tdah4f13T7W/1KTU7LUnaFJLiKNZYZQhYDMaqpUhWGCuQe5zgWdf068e+0/V9LjWe708yA27Ps8+JwA6g9A3yqRnjIwSM5FZrXUPEGuWF1fabJptlprtMkdzLG0s0xQqDiNmUKAzclsk9hjJWtv6/r/ggy/wCH/EEfiOwW9tbG7t7WRQ0UtwEAlznOArEjBGOQM9sjmsmT4hafFFPcvpup/Yra7aznuxCpSOQPsxgNvYE45VT1GcHIGn4QsLnS/B+mWN9H5VxBbqkibg20jtkZBrnpPDmqt4Nu7EWv+kya2bpU8xeYvtYk3Zzj7ozjr+NU/it0/wCCv0uPp/XZm0PGNlDHfnVLW702WwjSWSC4VGd0ckIV8tmDZYFcZzntzVTVPGUtro2psmk31pqVtYvdw210Iv3iAcuCshUhSRuG7cB25GaPijwnqGt63qc0EeI3s7TyH87y/MlinaQplTuXIwNw6ZyOlRyeHZtRtdR8rQNRtLhtMnt4Z9U1lrht8i42InmyKF4GWJU9ODziHdxb9f1t/X/AGrKS+X6f1/wzJ4PF2pR68kM2mahcq+kxXRs4Ug3o29wzlt4XkBcDcTzwOuNj/hLrSeGxbSbS81SS+g+0xw2qoGWL+8xkZVXnjBOSc4BwcVtDsdQ/4SD+0LywktI20iC2KySRswkR5CR8rHsQc+/rkVk+H9G1fwyum3p0qa9dtMjsrq2gmiEkLozMrDeyqwO4g4bI44POLe/3/nL/AIBC2+78l/wTf/4TCwltbKTT4bq+uL0uIbSFAsuUOJNwcqqbTwdxHPAzkVX8Ia9c67d661yJo47W/wDIhgnjVHhAiQspx1+Ytzk+xIxWXp3h/WNDurLWfsYvblmu/tdlbyqGQTyiQbGcqrFSoByRnJI6AHV8I2epw3mu3mr2P2Fr++E8MRlWQ7PKRRkqSM/LyPXOMjBIvPt+N0N+Xf8AzOlooopAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAMP8Arl/3T/Sn0w/65f8AdP8ASub1651STxho+k6fqT2FvdW9xJO0cSO52FNu0upAPzdwRgnjOCDrYDp6K85g1rxBBoLavc6w85tNX+wG3+zxKlxELgRFnwu4Ock5UqvA+Xrl+seKdRtbx7qy1C5uPK1JLd7eCyH2JIjKsZDTOgLSfNyEc4bjbgE0LW3n/wAD/MHpf+u/+R6HRXH6jq2q23jKLQI71VXUXW4guCI91vEoJkiwRyW2fKSCcM5/grsKOlw62CiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKtad/wAf8f4/yNVatad/x/x/j/I0AblFZGrQ6hDcpqOkvJNJCm2axZ8JcJkn5c8LIOcHv0PGCG6WmoX15/ampGa0jKlbawDY2Kf4pccFz6dF6dcmgB+s/wCut/8Adf8A9lrPrQ1n/XW/+6//ALLWfQBiWn/I/wCrf9gyy/8ARt1R4t/5Atv/ANhPT/8A0shotP8Akf8AVv8AsGWX/o26o8W/8gW3/wCwnp//AKWQ0Abdcha+GryTStZimUW13Jq0t9YSlgdrZBjc4PQkEEdcEjvXX0Uut/66P9A/r+vvPOdO0LX7bQNFt9S0++khjW5N5Y6bfrA4keTcjFxIgZACwxu7jg9naL4Z1eztdJt5dLjtVstdmu2WGVDGsLrIQV5BwC4XGAeOmK9EoprR3/re/wCgdLf1tb9TjL3QNSmsPG8cdtl9UB+xjzF/e/6OqevHzAjnFUT4Zu9N1C+mbStV1FL5I5UGn6u1qI5FiVGR181ARlQQw3HBI7DPoNFJK34L7h3uUtGsU0zRbSyitktUgiVBBHM0qx+wdgC31Iq7RRVPViWgUUUUgCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACr+hf8AIwWf+8//AKA1UKv6F/yMFn/vP/6A1AHR6r4r8O6Dcrba5r+l6bO6b1ivLyOFmXJG4BiDjIPPtUmkeJND8Qeb/YOs6fqfk4837FdJN5ec43bScZwevoay/iR/yS/xL/2C7j/0WazfGfiW60DQdAtbCWa3m1W5jtTc29o11JAgjZ3ZIlViz4TA+UgZyQQKF/l+I2tvn+FjuKK8i1Pxj4msdG1aHTbzU5RFPY/YdX1bRWtWPnXAjkhdGijV8DByqqcPjORmtVR4pbxtqnh3/hMb37NbaZFfpdfY7X7QJGZ02f6rZ5fyZxs3Zx82M5Tdlf8ArRXYW/r8D0iivKfC+veKvHOpWaLrz6PatoFrfTfY7WF3NxI0qnBlRgFOzJGD0GCOcx/8LD1O+h0HS5ru8sridr1dQv8AS9Ma6lf7LKIv3cQjlC72IYllIUcdSDVNWdv60v8A5C/r71c9aoryseJ/E91a6fp0d5f2jS+IF09NUu9K+zS3dq1u8m/ypYwA6kbchApKA4wStN8aeKdY0WHWRpuv6lcXei2yNFBZaakschWISO15K0IjQnk7I3Q7cYBLAVLdlf8ArZP9RpNu39btfoep+bH53k+Yvm7d2zPzY6Zx6U+vJdZudStfF3iPxBZ6tdQTw+D0vIoBHC0at+/KrzGWIVhuGTnJOSRhRq+MfFOs6VaWD2F55TS+HdRvXPlI2ZooomjbkdizcdDnkGm9Fd9L/wDt3/yIRXNJJdf8k/1PRaK8w1PxFrGlz+HtHutd1RpdWt5L+7vrPS1upoVVYx5MMccLAKWf7zq5AGNxJBHTeBdY1PVLPUIdVS+kFndmK2vr3T3s3vIiqsHMbKuGBJUkKAduQBnFOzu1/W9vzJvdJnU0UUUhhRRRQAUUUUAFFFFABRRRQAUUUUAFYPi3/kG2/wD18D/0Bq3qwfFv/INt/wDr4H/oDUAcrWJd/wDI/wCk/wDYMvf/AEba1t1iXf8AyP8ApP8A2DL3/wBG2tAG3RRRQAVieEv+QLcf9hPUP/SyatusTwl/yBbj/sJ6h/6WTUAbdFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAMP8Arl/3T/Sqk+kQXGu2mqu8gntIpIo1BG0h9ucjGc/KMc+tXGQMQTnI9CRSeWvq3/fZoAxW8I2DaNLppluPJlvftzNuXcH80S4Hy427hjpnHfvVS78B2d3bzWranqUdnJcG6jtY5IwkMxffvU7Nx+bJ2sWXJ6cDHS+Wvq3/AH2aPLX1b/vs0bf1/XYNzHn8K2dw9zNLcXJuri4iuBc7l8yJo8bAny4Cjngg53NnrW3TPLX1b/vs0eWvq3/fZoAfRTPLX1b/AL7NHlr6t/32aAH0Uzy19W/77NHlr6t/32aAH0Uzy19W/wC+zR5a+rf99mgB9FM8tfVv++zR5a+rf99mgB9FM8tfVv8Avs0eWvq3/fZoAfRTPLX1b/vs0eWvq3/fZoAfRTPLX1b/AL7NHlr6t/32aAH0Uzy19W/77NHlr6t/32aAH1a07/j/AI/x/kapeWvq3/fZpyrsYMjOpHQhyP60AdPRXN+bL/z3m/7+t/jR5sv/AD3m/wC/rf40AXtZ/wBdb/7r/wDstZ9DFmYF3dyBgb3LY/OigDEtP+R/1b/sGWX/AKNuqPFv/IFt/wDsJ6f/AOlkNFp/yP8Aq3/YMsv/AEbdUeLf+QLb/wDYT0//ANLIaANuiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKv6F/yMFn/ALz/APoDVQq/oX/IwWf+8/8A6A1AHV63pMGvaDfaTePIkF9A8EjREBgrAgkEgjPPoar6x4ctNa0qCymluIHtZEltbq3cLLBIgwrqSCM4JBBBBBIIIOK1qKAOWn8CQ3+n3Ftq+u6zqTT3EE5muJ4xs8l1dFWNEWNRleSE3HJyemNRfD1ovia71wSTfabuzSzdNw2BEZ2BAxnOXPfHTitWijf+vKwHmenfDO60zxgP7L1TVdM06z0O3sLa+t5oGklKySFkdXRl6FDu2DHYjmumfwJpkemaXa6VcXmlS6Tu+yXlrIpmQP8A6wMZFZXDnltynJweoBrpqKOn9d2/1Drf+trfoc7F4Nt9ti17quqahcWeof2gLi6nVmeTY6BSoUIqBXPyoqjgHrnNTV/h3YaxNqyy6pqlvY6zzf2FvLGsU7bAm7dsMinCrkK4B28ggkHraKLX0/r+tF9w7u9/6/rU5f8A4QOwe6jmuL+/uFOlDSbqKRo9t5AA2PMwgIb52OUK9aof8KusJY1S/wBc1q/8vTZ9LiNxLF+6glVVIAWMAsAowxBJ7lsADt6KHrv/AFv/AJv7xLTb+v6svuRh6p4VttRh04w3t5p95pg22t9aMnmopUKykOrIysAMhlIyAeCAat6LpB0e1kjk1K/1KaWQyyXF9MHZiewVQqIAMAKiqO+Mkk6NFO73FbRIKKKKQwooooAKKKKACiiigAooooAKKKKACsHxb/yDbf8A6+B/6A1b1YPi3/kG2/8A18D/ANAagDlaxLv/AJH/AEn/ALBl7/6Nta26xLv/AJH/AEn/ALBl7/6NtaANuiiigArE8Jf8gW4/7Ceof+lk1bdYnhL/AJAtx/2E9Q/9LJqANuiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAxLT/AJH/AFb/ALBll/6NuqPFv/IFt/8AsJ6f/wClkNFp/wAj/q3/AGDLL/0bdUeLf+QLb/8AYT0//wBLIaANuiiubl8W3EWpw6e/hjWPtM8byRpvtPmVCAxz5+B94dfWgDpKKZBI0tvHJJC8DOoJikKlkPodpIyPYke9PoAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKltrmSzu4rmDb5kZJAcEg5BHYj1qKmTO0UEkiRPMyqSI0IDOfQZIGT7kD3oA2/wDhKdS/uWv/AH7b/wCKo/4SnUv7lr/37b/4qsZSWQEqVJGSpxke3FLQBsf8JTqX9y1/79t/8VR/wlOpf3LX/v23/wAVWPVSfUre31S10+Qt9oukkeMAcbUxuJP/AAIfnQB0f/CU6l/ctf8Av23/AMVR/wAJTqX9y1/79t/8VWPRQBsf8JTqX9y1/wC/bf8AxVH/AAlOpf3LX/v23/xVY9FAGx/wlOpf3LX/AL9t/wDFUf8ACU6l/ctf+/bf/FVj0UAbH/CU6l/ctf8Av23/AMVR/wAJTqX9y1/79t/8VWPRQBsf8JTqX9y1/wC/bf8AxVH/AAlOpf3LX/v23/xVY9FAGx/wlOpf3LX/AL9t/wDFUf8ACU6l/ctf+/bf/FVj0UAbH/CU6l/ctf8Av23/AMVR/wAJTqX9y1/79t/8VWPRQBsf8JTqX9y1/wC/bf8AxVH/AAlOpf3LX/v23/xVY9FAGx/wlOpf3LX/AL9t/wDFUf8ACU6l/ctf+/bf/FVj0UAbH/CU6l/ctf8Av23/AMVR/wAJTqX9y1/79t/8VWPRQBsf8JTqX9y1/wC/bf8AxVVdQ1i71OFIrkQhUfePLQg5wR3J9ao0UAFYl3/yP+k/9gy9/wDRtrW3WJd/8j/pP/YMvf8A0ba0AbdFFFABWJ4S/wCQLcf9hPUP/SyatusTwl/yBbj/ALCeof8ApZNQBt0VQl1eCHX7bSGSQ3FzBJOjADYFQqCCc5z847etX6PMAooqlqGqQ6bNYxzpIzXtyLaPYAcMVZsnJ6YU/pQBdoqO3lea3SSSCS3ZhkxSFSyex2kj8iakoAKKqX2pW+nyWiXBYNdzi3iCjOXILfhwpP4VPBK8qsZIJISrsoEhU7gDgMNpPB6jPPqBQBJRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFMcbpVBJxgngkelHlr6t/32aAH0Uzy19W/77NHlr6t/wB9mgB9FM8tfVv++zR5a+rf99mgB9FM8tfVv++zR5a+rf8AfZoAfRTPLX1b/vs0eWvq3/fZoAfRTPLX1b/vs0eWvq3/AH2aAH0Uzy19W/77NHlr6t/32aAH0Uzy19W/77NHlr6t/wB9mgB9FM8tfVv++zR5a+rf99mgB9FM8tfVv++zR5a+rf8AfZoAfRTPLX1b/vs0eWvq3/fZoAfRTPLX1b/vs1YsraOW8RJNxU5yN59PrQBFRW1/ZVn/AM82/wC/rf40f2VZ/wDPNv8Av63+NAGLRVvUbWK1mhEAZQytnLk5xj1PvVSgDEtP+R/1b/sGWX/o26o8W/8AIFt/+wnp/wD6WQ0Wn/I/6t/2DLL/ANG3VHi3/kC2/wD2E9P/APSyGgDbrnL/AP5KRo3/AGD7v/0OGujqNreB7lLhoY2njUqkpUblU4yAeoBwPyFC3v8A1sHQ4TVY3i8W3HhyPIh1y5gvsAZARc/aB6YPlJ+MlYq2Okp4N8RavEIn1u11S5FtcZzNDN5x8qND1AJI+UcNuOc5NekLpbt4gOp3U0cnlwmG1jSLaYlYqX3MWO4kqOgXA9etUdG8Iabpcz3M9ta3d6bqa4ju3tlEkQkdm2hjkjG4jrQtLf11VvwQ3/X3O/4s5S5srrWvE3iAappWlXr2yxLC1/fNC1pEYg2+MCJ9uW3neCDlcfw13Hhw3LeGdON9eQX1x9nTzLm3ffHMcfeDdweuafqOhaRq8kb6tpdlfPGCEa5t0kKj23A4q+BgYHShbWF1CiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKxvGP/Ij65/2D5/8A0W1bNMmhiuIJIbiNJYpFKPG6hlZTwQQeoqZK8Wiou0kzhk0TTtb8ZeVq1pHdxJoFttimXcgJeQbtp43Dseoycdaw/CVjpeu6xZJ4jEV848PW7pFeHeHw8gLkHgkAgZPI3H1r1JLS2jn86O3iWXyxF5ioA2wZIXPoMnj3rDfwVpM+tyXd3ZWVxaG1it4rGW0Ro4tjOdwzwPvkYAGPxq3q/v8A/bv8yVovu/C3+RzXhm6eTVPCrTyM0Ri1GK0kdiTJCHTyuTyfkUHJ6gZqp4ftdMv/ABpp14be1uC95qzxzGNWLbZ1KEH2yxHpk4r0e90nTtTtEtdRsLW7t0IKwzwq6KQMAgEYHBph0TSj5OdMs/3Epmi/0df3chOS68cMT3HNJfFf1/EPs2/rqXqKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigArEu/wDkf9J/7Bl7/wCjbWtusS7/AOR/0n/sGXv/AKNtaANuiiigArE8Jf8AIFuP+wnqH/pZNW3WJ4S/5Atx/wBhPUP/AEsmoA5X4j/8hSX/ALF3Uf8A2nSJ4Y0ZPFnhy2FhCYbrTZnu42XIu2XyyrTA/wCsILE5bPPNd9c6dZXjFryzt52MbREyxKx2NjcvI6HAyOhxTvsdt58U32eLzYUKRSbBujU4yAewOBwPQUR0/r/F/mN6/wBen+R5VpFlp194i0XTdWEclnFPqkFvay8xuEmXZHt6MABkKcj5R6CtC22x3lpa2eP7MtfE5isgpyqqLdy6r/siQuAOg6DpXWX3g/Tb/WbS7mtrVrWCOdZLN7VWSZpWRi57ZymehyTmtZNNsY4LeCOzt0itSGt41iULCQCAVGPl4JHHqaSXupf1ve/4fiEtW7ef5P8AzPO9Ghgv9N8D6dqqLNps9lMxglAMU0yhdisDw2AXIB9M9uNLU7PSjf6foOiafZahGpuZfsNzd4s42UruDLsf5lL/ACoAAuSeOK6+bR9MuNNXT7jTrSWyXG22eBWjGOmFIxxUU3h3RbiwhsrjR7CW0tzmG3e1Ro4z/sqRgde1N6hfU810m0sdS0Dw4t7HZX8cPiKe2ibyg0YixLhEDFsJwuFyei+grSJ3aMttckDTbnxPcQ32W2qYzLJhWP8AdZ9ikd84713UmhaRNDLDNpdlJFNIJpEa3Qq7jgMRjluOvWpjp1k1pNatZ25t5yxmhMS7JC3LFlxg5zznrQtP6/w/5fiJ6/1/i/z/AAPN/EdnbWlxr2kaUv2bTQunNJb23yRwTNcgHaF+4xQKTjHY9810ujadaaN8QNQstKt47S0k02CZreFQieZ5kil9o4yQACepxW/Bo2l21h9httNtIbTeH+zxwKse4EEHaBjOQDn1FWRbwC6a5EMYnZBG0u0bioJIXPXGSTj3NC0t/XQHqmv66ElFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFADD/rl/wB0/wBKytX8SQ6Tqlnpwsby9u71JHgitVQ52bd2SzKF4bOSQODznAOqf9cv+6f6Vi32nXU3jnSNQji3Wtva3Mcsm4fKzmPaMZyc7T09KOqAqW3jyyuY45/7O1GK1NyLOa5ljRUt5y2zY437j8xA3KGXnr1w9vFtpZWQmdNQvDNqcthGgijLmVS/ygDA2/IQCeehY9TWVJ4c1VvBt3Yi1/0mTWzdKnmLzF9rEm7OcfdGcdfxqaDQNTT7DutseV4iuL1/3i8Qt5u1uvfevHXnpRHW1/L/ANt/zY3on8/1/wCAdFo2tw6yLpVt7i0uLOXybi3uAu+NsBhyrMpBBBBBPWtKsXR9PubXxDr9zPHshvLiJ4G3A7wsKKTgcjkEc1tUdEIKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAq1p3/H/H+P8jVWrWnf8f8AH+P8jQBav9YGmahBHew+XZT4RbzdlUlJwEcY+UHjDZwTwccZLfWBe6xLaWMHnW9tlbi634RJP+ea8fM3r0C/XirtxbQ3VvJBcxrLFKpR43GVZT1BFNs7K3sLSK1soVgghXakacACgChrP+ut/wDdf/2Ws+tDWf8AXW/+6/8A7LWfQBiWn/I/6t/2DLL/ANG3VHi3/kC2/wD2E9P/APSyGi0/5H/Vv+wZZf8Ao26o8W/8gW3/AOwnp/8A6WQ0AbdFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABWJd/8j/pP/YMvf8A0ba1t1iXf/I/6T/2DL3/ANG2tAG3RRRQAVieEv8AkC3H/YT1D/0smrbrE8Jf8gW4/wCwnqH/AKWTUAbdFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAMYNvDKAcAjk49KMyf3V/76/8ArU+igBmZP7q/99f/AFqMyf3V/wC+v/rU+igBmZP7q/8AfX/1qMyf3V/76/8ArU+igBmZP7q/99f/AFqMyf3V/wC+v/rU+igBmZP7q/8AfX/1qMyf3V/76/8ArU+igBmZP7q/99f/AFqMyf3V/wC+v/rU+igBmZP7q/8AfX/1qMyf3V/76/8ArU+igBmZP7q/99f/AFqMyf3V/wC+v/rU+igBmZP7q/8AfX/1qMyf3V/76/8ArU+igBmZP7q/99f/AFqMyf3V/wC+v/rU+igBmZP7q/8AfX/1qMyf3V/76/8ArU+igBmZP7q/99f/AFqlt55Le4WXy1bbnjfjt9KbRQBof2zJ/wA+y/8Af3/7Gj+2ZP8An2X/AL+//Y1n0UAT3d295JGzRrGEDDh92c49h6VBRRQBiWn/ACP+rf8AYMsv/Rt1R4t/5Atv/wBhPT//AEshotP+R/1b/sGWX/o26o8W/wDIFt/+wnp//pZDQBt0UUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFYl3/wAj/pP/AGDL3/0ba1t1iXf/ACP+k/8AYMvf/RtrQBt0UUUAFYnhL/kC3H/YT1D/ANLJq26xPCX/ACBbj/sJ6h/6WTUAbdFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBiWn/ACP+rf8AYMsv/Rt1R4t/5Atv/wBhPT//AEshotP+R/1b/sGWX/o26o8W/wDIFt/+wnp//pZDQBt15ZbTeD7R/EVz4o0dLmRdWnBuH0h5xglQq+aIyoOTgDd1PvXqdY1h4bgtrHVrO8Zby31O6mnkjZMALIACnU56deKm2r9P1Q+i9f0Zg2mo6l4c8H6LbaneWOmStG4kutVlDiEDlI9vmKZH2kDhuNp68ZS38Zatf+H9LnsoLQXt5qj6dIZo5FQbRJmQISGX7gO0nPUZ7i5beEdTsV0yS21yOW702KW2jmu7MyB4XKkBgJFO8bFG4HkZyOadp3guWxhtYpNVa5W11V9RV3gAd96uGRiDj7zk5AHpjvV7y1/rVfpcW0f67P8AWxV/4SrV47yTRHjspNW/tFbOK4EbLCUMPnGQx7i3CZG3dyccjNV73xpq2gXWtW+uJp8psYbZraaINAkrTOyAvuZtigjnk8AnPIAta/oX2K7n1iOW8NxLqEVzDJa2ZuPspWERHfGp3SIwBB2jI3dsZqlpvh278Q3+t3urXFxsvIrZLa4NmbUpJE7OGSGTLKqkr9/O47v4SKS1/X7kN2X9eZo6D4u+2+Il0ifVtH1Zprdp459KOBGVIDI673x94ENkZweBjnrqy9OstZiuzNq+sQ3UYj2JBa2XkIT3ZizuxPpgqOvB7alMkKKKKQwooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigArC8cf8iDrv/XhN/6Aa3axfGME114J1mC2ieaaSylVI41LM5KHAAHJNRP4WXD40W9Fs7a10CztrW3ihgEC4ijQKoyMngcckmuRm8LaFffEC1srHQ9NtrfSI1vbh4LREZ5WJESEgDgYZyO+FrotL0vSb+3sNUl0mE30cKKs9zZbJ4yoxj51DrjmrGl6N/Z2p6tevP5z6lcLNjZt8tVjVAvU5+6Tnjr0raXxt+v9fr8jKPwJf1/XQk1jSYNZs0trsymBZFkkgjIC3AH/ACzfI5UnGRxnGDxkVw8NrdTaP4t0bS9OexlmVBbaKGjQwRyLtZwQfLAbDHCsQCp7kiu41awuL+3i+xX0llcQSiWORQWRiONroCN6kE5GR2IIIrOHhmeYXtzeamw1S7SOP7XZxmBYljYsgVdzHGSdwLHdkjgcDPuX2Mm107SbN7jR9Q8L6Np1xd2TyILRVlSeNCNwYmJDkEqcYPrnitXwD/yTzQf+vGL/ANBFNn064tvO1jXLlb66gtZIIVsLGRQquVJ/dhpGZiVXkdAOnU1N4Jt5rTwLotvdQyQTR2UavHIpVkIUZBB5Bqls/l/7cTa1vn+hu0UUUhhRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABWJd/8j/pP/YMvf/RtrW3WJd/8j/pP/YMvf/RtrQBt0UUUAFYnhL/kC3H/AGE9Q/8ASyatusTwl/yBbj/sJ6h/6WTUAbdFYPjHUZ7HQGg0+Ty9Q1CRbO0YHlZHON3/AAEZb8Kz9C1r+xNK1qz1y6mnfQXd3mlbfJLbsC8bZJyxxlcnutHf+v63H2OuorlD4s1W01LSLfV9BjtYdVdgkqXvmGHEbORIuwYbA6AkdeeOYJfHGoR6dY6qNBVtL1C5ihgl+2YlCyOFWR49mFBByMMTyoOMnDtrYXmdlRXKDxnMlnqV/PpapZWd1JZx7bjdNcTCXy1VU2gAMSOS3BzxgZqZ/FkulyzxeJ7GOweOze8ja2uTcLIiY3rkohDjK8Ywc8HrhdL/ANdx21sdLRXKjxVq1vquj2uqaAltHqzlY5Y73zDDhC+JF2DDYHQEjrzxyo8X3EWsaZa3+mR2kWqu6Wge6/0kYBIMkJQbQcdmbGRkc0COporhdG17Un8r+27dXabX5rSFoL5/3e3zeCAihlUJgA9c7iARWjd+L7iGLUL+20tbjSNNkaO5uftO2Vih/eGOPaQwX3ZScHAPGTp/Xl/mNqzt/XX/ACOporkr7xneQTaw9loyXVno6pJPO13sMiNGsn7tdhywBPBKjpzzx1UMqzwRzJnbIoZc+hGaBD6KKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAaz7WACliRnik3t/wA82/Mf40H/AFy/7p/pT6AGb2/55t+Y/wAaN7f882/Mf40+igBm9v8Anm35j/Gje3/PNvzH+NPooAZvb/nm35j/ABo3t/zzb8x/jT6KAGb2/wCebfmP8aN7f882/Mf40+igBm9v+ebfmP8AGje3/PNvzH+NPooAZvb/AJ5t+Y/xo3t/zzb8x/jT6KAGb2/55t+Y/wAaN7f882/Mf40+igBm9v8Anm35j/Gje3/PNvzH+NPooAZvb/nm35j/ABo3t/zzb8x/jT6KAGb2/wCebfmP8aN7f882/Mf40+igBm9v+ebfmP8AGnxiSWQJHCxY9Bkf40Va07/j/j/H+RoAZ9hvP+fZv++1/wAaPsN5/wA+zf8Afa/41v0UAc3LFLAyrPE0ZYEjJBzjHofem1oaz/rrf/df/wBlrPoAxLT/AJH/AFb/ALBll/6NuqPFv/IFt/8AsJ6f/wClkNFp/wAj/q3/AGDLL/0bdUeLf+QLb/8AYT0//wBLIaANuiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigArEu/8Akf8ASf8AsGXv/o21rbrEu/8Akf8ASf8AsGXv/o21oA26KKKACsTwl/yBbj/sJ6h/6WTVt1ieEv8AkC3H/YT1D/0smoAj1Xw2mu+IrWfWIbW60u0gbyrWZPM3zMcF2UjGAowOvLHpgVj654GsYZbifSoLbTdNutPmtdSitbfBK43JIkaKdzqc8cEg+wFdvRS6aDT1ueax6hdeKdd8PQG70i/gs3eS5fS7hrgkeQ673+UCLJYAIdxJY8/Kc0vtU99o+jeGtN1DS76O0vbZR5Erm7MUUqn95AVHk7VX5mYnlcYBYY9Xoqr63+ZNtLfI5KfwdJe+FdS0q7kty9zqEt7CSpkj5m8xA6nGR0DD3PNUn8IxnTdSGoaFoOjW0li8TyaTbtNOSRywIjQgDA+UKxJ7jHPdUVPSy/rSxV9b/wBb3PNoNSvvE/iDw5FFfaTdpYyPLPLpVw05H7l1Ej/KBFkkAISxJY8/Kcz2HgjVrJtHMVrosD6ddJNcXETv5uo4VlLu3lgq2HZsEvknqO/oVFVfW5PS3yOPt/DGqR3cKyNZ/Z7fXJNSR1lbe8biTKlduAwLjuQRnp3S68M6wthqui6e9kumapLI5uZJHE1uJTmRRGFIfqcHcuM8g457Giptpb+un+SKu73/AK6/5s5eTwvc/YPFFtDJCBq0IjttzH5MW6xfPxxyO2ePyrorOFrexghcgtHGqEjpkDFTUU/6+4XZdv6/QKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAYf9cv8Aun+lct4himvvHWiaeb68t7SW1uZJ4rW4eLzdpj25KkEYJ6gg9RnBNdSf9cv+6f6VBLp1rNqdvqEkW66t43jik3H5VfG4Yzg52jr6UdUB51C97aeGX1b+1tRmurPW/skPm3blPIFyI9jpna/yk/MwLc9eBh2s6rfBm1bTn1N/L1ZIft0l15Nrs88RGJLcOd+MlSzIucM27gCu6PhzSm0+SxNr/o0lz9qZPMbmXzPM3Zzn7wzjp+FU7nwToF4032mzkdJpDM0X2qURrITkyIgbaj5/iUA8nnk0R0tf+tv8n9/qN2d7f1v/AMAxtUurmHx1FoyajMthqEsU8zrK++3cBiIVYfdEvlg4yPuuP4xXcVmSeHdLlhuY5LZmF1OlxKxlfe0ibdrBs5GNq4wRjFadC2sLrcKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAq1p3/H/AB/j/I1Vq1p3/H/H+P8AI0AS6tpc8tympaS6w6lAm0Fz+7uEyT5T47ZyQeqk5GckFul6Zcvef2tre1r91KxQo26OzQ/wL6sf4m79BgCtmigDJ1n/AF1v/uv/AOy1n1oaz/rrf/df/wBlrPoAxLT/AJH/AFb/ALBll/6NuqPFv/IFt/8AsJ6f/wClkNFp/wAj/q3/AGDLL/0bdUeLf+QLb/8AYT0//wBLIaANuiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigArEu/8Akf8ASf8AsGXv/o21rbrEu/8Akf8ASf8AsGXv/o21oA26KKKACsTwl/yBbj/sJ6h/6WTVt1ieEv8AkC3H/YT1D/0smoA26KKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooARkVvvKD9RTfKj/55r/3zT6KAGeVH/wA81/75o8qP/nmv/fNPooAZ5Uf/ADzX/vmjyo/+ea/980+igBnlR/8APNf++aPKj/55r/3zT6KAGeVH/wA81/75o8qP/nmv/fNPooAZ5Uf/ADzX/vmjyo/+ea/980+igBnlR/8APNf++aPKj/55r/3zT6KAGeVH/wA81/75o8qP/nmv/fNPooAZ5Uf/ADzX/vmjyo/+ea/980+igBnlR/8APNf++aPKj/55r/3zT6KAGeVH/wA81/75o8qP/nmv/fNPooAZ5Uf/ADzX/vmjyo/+ea/980+igBnlR/8APNf++aPKj/55r/3zT6KAGqiqcqqg+wp1FFAGJaf8j/q3/YMsv/Rt1R4uD/2CjxwzTeVfWUzJBE0r7EuomYhVBJwoJ4Hai0/5H/Vv+wZZf+jbqtugDE/4S3Tv+fbWP/BJef8Axqj/AIS3Tv8An21j/wAEl5/8arbooAxP+Et07/n21j/wSXn/AMao/wCEt07/AJ9tY/8ABJef/Gq26KAMT/hLdO/59tY/8El5/wDGqP8AhLdO/wCfbWP/AASXn/xqtuigDE/4S3Tv+fbWP/BJef8Axqj/AIS3Tv8An21j/wAEl5/8arbooAxP+Et07/n21j/wSXn/AMao/wCEt07/AJ9tY/8ABJef/Gq26KAMT/hLdO/59tY/8El5/wDGqP8AhLdO/wCfbWP/AASXn/xqtuigDE/4S3Tv+fbWP/BJef8Axqj/AIS3Tv8An21j/wAEl5/8arbooAxP+Et07/n21j/wSXn/AMao/wCEt07/AJ9tY/8ABJef/Gq26KAMT/hLdO/59tY/8El5/wDGqP8AhLdO/wCfbWP/AASXn/xqtuigDE/4S3Tv+fbWP/BJef8Axqj/AIS3Tv8An21j/wAEl5/8arbooAxP+Et07/n21j/wSXn/AMao/wCEt07/AJ9tY/8ABJef/Gq26KAMT/hLdO/59tY/8El5/wDGqP8AhLdO/wCfbWP/AASXn/xqtuigDE/4S3Tv+fbWP/BJef8Axqj/AIS3Tv8An21j/wAEl5/8arbooAxP+Et07/n21j/wSXn/AMao/wCEt07/AJ9tY/8ABJef/Gq26KAMT/hLdO/59tY/8El5/wDGqP8AhLdO/wCfbWP/AASXn/xqtuigDE/4S3Tv+fbWP/BJef8Axqj/AIS3Tv8An21j/wAEl5/8arbooAxP+Et07/n21j/wSXn/AMao/wCEt07/AJ9tY/8ABJef/Gq26KAMT/hLdO/59tY/8El5/wDGqP8AhLdO/wCfbWP/AASXn/xqtuigDE/4S3Tv+fbWP/BJef8Axqj/AIS3Tv8An21j/wAEl5/8arbooAxP+Et07/n21j/wSXn/AMao/wCEt07/AJ9tY/8ABJef/Gq26KAMT/hLdO/59tY/8El5/wDGqP8AhLdO/wCfbWP/AASXn/xqtuigDE/4S3Tv+fbWP/BJef8Axqj/AIS3Tv8An21j/wAEl5/8arbooAxP+Et07/n21j/wSXn/AMao/wCEt07/AJ9tY/8ABJef/Gq26KAMT/hLdO/59tY/8El5/wDGqP8AhLdO/wCfbWP/AASXn/xqtuigDE/4S3Tv+fbWP/BJef8Axqj/AIS3Tv8An21j/wAEl5/8arbooAxP+Et07/n21j/wSXn/AMao/wCEt07/AJ9tY/8ABJef/Gq26KAMT/hLdO/59tY/8El5/wDGqP8AhLdO/wCfbWP/AASXn/xqtuigDE/4S3Tv+fbWP/BJef8Axqj/AIS3Tv8An21j/wAEl5/8arbooAxP+Et07/n21j/wSXn/AMao/wCEt07/AJ9tY/8ABJef/Gq26KAMT/hLdO/59tY/8El5/wDGqP8AhLdO/wCfbWP/AASXn/xqtuigDE/4S3Tv+fbWP/BJef8Axqj/AIS3Tv8An21j/wAEl5/8arbooAxP+Et07/n21j/wSXn/AMaqpb6gmreN7Ge0tr9YbfTrpJJLmwnt1DPJblRmRFBJCNwPSumooAKKKKACsTwl/wAgW4/7Ceof+lk1bdYnhL/kC3H/AGE9Q/8ASyagDbooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAMS0/5H/Vv+wZZf8Ao26q1rupy6TpX2m2t0uZmnggjiklMalpZUjBLBWIAL56HpVW0/5H/Vv+wZZf+jbqjxb/AMgW3/7Cen/+lkNAB9r8Vf8AQG0f/wAG8v8A8jUfa/FX/QG0f/wby/8AyNW3RQBifa/FX/QG0f8A8G8v/wAjUfa/FX/QG0f/AMG8v/yNW3RQBifa/FX/AEBtH/8ABvL/API1H2vxV/0BtH/8G8v/AMjVt0UAYn2vxV/0BtH/APBvL/8AI1H2vxV/0BtH/wDBvL/8jVt0UAYn2vxV/wBAbR//AAby/wDyNR9r8Vf9AbR//BvL/wDI1bdFAGJ9r8Vf9AbR/wDwby//ACNR9r8Vf9AbR/8Awby//I1bdFAGJ9r8Vf8AQG0f/wAG8v8A8jUfa/FX/QG0f/wby/8AyNW3RQBifa/FX/QG0f8A8G8v/wAjUfa/FX/QG0f/AMG8v/yNW3RQBifa/FX/AEBtH/8ABvL/API1H2vxV/0BtH/8G8v/AMjVt0UAYn2vxV/0BtH/APBvL/8AI1H2vxV/0BtH/wDBvL/8jVt0UAYn2vxV/wBAbR//AAby/wDyNR9r8Vf9AbR//BvL/wDI1bdFAGJ9r8Vf9AbR/wDwby//ACNR9r8Vf9AbR/8Awby//I1bdFAGJ9r8Vf8AQG0f/wAG8v8A8jUfa/FX/QG0f/wby/8AyNW3RQBifa/FX/QG0f8A8G8v/wAjUfa/FX/QG0f/AMG8v/yNW3RQBifa/FX/AEBtH/8ABvL/API1H2vxV/0BtH/8G8v/AMjVt0UAYn2vxV/0BtH/APBvL/8AI1H2vxV/0BtH/wDBvL/8jVt0UAYn2vxV/wBAbR//AAby/wDyNR9r8Vf9AbR//BvL/wDI1bdFAGJ9r8Vf9AbR/wDwby//ACNR9r8Vf9AbR/8Awby//I1bdFAGJ9r8Vf8AQG0f/wAG8v8A8jUfa/FX/QG0f/wby/8AyNW3RQBifa/FX/QG0f8A8G8v/wAjUfa/FX/QG0f/AMG8v/yNW3RQBifa/FX/AEBtH/8ABvL/API1H2vxV/0BtH/8G8v/AMjVt0UAYn2vxV/0BtH/APBvL/8AI1H2vxV/0BtH/wDBvL/8jVt0UAYn2vxV/wBAbR//AAby/wDyNR9r8Vf9AbR//BvL/wDI1bdFAGJ9r8Vf9AbR/wDwby//ACNR9r8Vf9AbR/8Awby//I1bdFAGJ9r8Vf8AQG0f/wAG8v8A8jUfa/FX/QG0f/wby/8AyNW3RQBifa/FX/QG0f8A8G8v/wAjUfa/FX/QG0f/AMG8v/yNW3RQBifa/FX/AEBtH/8ABvL/API1H2vxV/0BtH/8G8v/AMjVt0UAYn2vxV/0BtH/APBvL/8AI1H2vxV/0BtH/wDBvL/8jVt0UAYn2vxV/wBAbR//AAby/wDyNR9r8Vf9AbR//BvL/wDI1bdFAGJ9r8Vf9AbR/wDwby//ACNR9r8Vf9AbR/8Awby//I1bdFAGJ9r8Vf8AQG0f/wAG8v8A8jUfa/FX/QG0f/wby/8AyNW3RQBifa/FX/QG0f8A8G8v/wAjUWer6r/b8OmavptnbfaLWW4jktb1pv8AVtGpBDRJjPmg5yehrbrEu/8Akf8ASf8AsGXv/o21oA26KKKACsTwl/yBbj/sJ6h/6WTVt1ieEv8AkC3H/YT1D/0smoAXXdbu9N1HTLHTrGG7uNQeRV8+5MKJsTcSSEcn8qSz127XWo9K1ywisrm4jaW2e3uTNFKFxuXcUQhxnONuMc564zPFt9aab4s8LXOo3UNpbpNcbpZ5AiLmEgZJ4pl1eweJ/FmkP4euobyHTRPNPd27h4kZoyiR7xkFiWyV7BcntlX/AK+QHRprelSak+nR6nZvfRgl7VbhTKuBk5XORWR4f8Z2ev3t4kM2nrbw3JtoGW/V5ZmBOD5YXADBWK4YkgE4ri9FHmaHo2j3viDTLXULa7jdrKPTZHvknV9zk4lJ+b5t0mzaVYnoa0PPjs9Ptb65YR2tr4suXnmbhYlLzIGY9ANzKMn1qlvr/WqV/wAQez/ro/8AI7m91/R9OLDUNWsbQo4jbz7lE2sRuCnJ64OcelQP4u8NxwxzP4g0pYpc+W5vYwr464O7nFcPceMrSyvvEMmnX9tFNqeoQ29ndTuFhT/R03TFjwVUcj+9xjrU+oeIPD1no2n+FdC8RafHFcgrdah9tj/dxDmRt+cea5bjvli3ap3X3fkPQ6zUPFenWGm3eo/a7Gayt7P7SrRXal5eWAAHTBIwGzycjHFL4d199cgjlf8AswCSATKtlqH2lgCxHPyLxkEZ9QR2rkdTn02Y+Iv7DntprGPwsIomtZFeMBTMMArxxjFWb2G6uL3V4dO3G7k8LRLCEOGLEy4wfXNF93/X2v8AILbL+vs/5nZWet6VqN1LbafqdndXEOfNiguEd0wcHIByOeOaZD4h0W5W5a21ewmFopa4MdyjeSB1LYPyjg9fSuXbXPDc3hHydLht9QvbTS5RHZQKfOgUR4eNio3Q5wAc7SSMDmsvSNRiuPH+hONZsb9Dp89vH/Z0Hl28RwhWINuYl8KSVLcAD5R1Llo2l/W/+RKel/66f5nYaD4ps/EVrY3NhLamO6R2MZugZUK4+XYAckBhu5G3I65rQTWdMk1R9Nj1K0e/QZa1WdTKvGeUzkcH0rgvCNxFcN4OS2mR5INNvIZArAmOQeVlWHYj0NQwz2sng3StChZG8SQajC81snE8cwmDSzMOoUruO88EN155fW39b2G9EegjXtHN+liNVsTdyMVS3+0p5jEEggLnJIIIP0NX681mtYF8E6vMsSCRvEpkLgclheqoOfXHFelUlrFP+tk/1G9G0FFFFAgooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAjdQ0yhgCNp6j6UvlR/8APNf++aD/AK5f90/0rL1nW5bC+stO0+0W8v73e0cck3lRqiAFmZwrEDkAYUkk/U0AanlR/wDPNf8Avmjyo/8Anmv/AHzWBN4i1GF7KwOjoNYu2l22zXg8lY4yMymUKTtOVx8m7JwQOTVWbxpPHBFEuk79TOojTprQXICxuYy6uH28oQAc4BwTxkYo/r9AOp8qP/nmv/fNHlR/881/75rhtR8U65PqFjZW1hb211Bq62t3Gb1tkgMJkUK/lZKkYJOAQVxgg5rTj8YzCz1K/udNWKxsbiS0Rlud0txMsmxVVCoADEjktweMY5o6X/rp/mFrf16/5HTeVH/zzX/vmjyo/wDnmv8A3zXLX/ii6srW9tdf0tba4/s2a8hW0vmdZVjHzp5gRGRxkcgHrkHIq3J4gu5LyLT9E01Lu5W0S6m+03RiSJGyFXfscsx2t2xgEkij+vz/AMg/r8v8ze8qP/nmv/fNHlR/881/75rm/h/f3WpeF2ub4z+c17cgrcPueMCZgEJyfujjHTiunpgM8qP/AJ5r/wB80eVH/wA81/75p9FIBnlR/wDPNf8Avmjyo/8Anmv/AHzT6KAGeVH/AM81/wC+aPKj/wCea/8AfNPooAZ5Uf8AzzX/AL5o8qP/AJ5r/wB80+igBnlR/wDPNf8Avmjyo/8Anmv/AHzT6KAGeVH/AM81/wC+aPKj/wCea/8AfNPooAZ5Uf8AzzX/AL5qzYW8L3savEjA5yCoPY1DVrTv+P8Aj/H+RoA1PsNp/wA+sP8A37FH2G0/59Yf+/YqjquqXGkXMdzcRK+klds8qA77ds/fb1jxgHAyvU5Gdqadq02sag0mnpH/AGTECv2lgSbl/wDpnzjYOfmOcnpwM0AN1SCGCaDyYkjyr52KBn7tUq0NZ/11v/uv/wCy1n0AYlp/yP8Aq3/YMsv/AEbdUeLf+QLb/wDYT0//ANLIaLT/AJH/AFb/ALBll/6NuqPFv/IFt/8AsJ6f/wClkNAHSad/yFLT/rsn/oQqzPq9+lxIq3UgVXIA/Gq2nf8AIUtP+uyf+hCo7r/j8m/66N/OgCz/AG1qP/P3J+lH9taj/wA/cn6VRooAvf21qP8Az9yfpR/bWo/8/cn6VRooAvf21qP/AD9yfpR/bWo/8/cn6VRooAvf21qP/P3J+lH9taj/AM/cn6VRooAvf21qP/P3J+lH9taj/wA/cn6VRooAvf21qP8Az9yfpR/bWo/8/cn6VRooAvf21qP/AD9yfpR/bWo/8/cn6VRooAvf21qP/P3J+lH9taj/AM/cn6VRooAvf21qP/P3J+lH9taj/wA/cn6VRooAvf21qP8Az9yfpR/bWo/8/cn6VRooAvf21qP/AD9yfpR/bWo/8/cn6VRooAvf21qP/P3J+lH9taj/AM/cn6VRooAi8R6vfyeGr9HupCrQMGAOMgjkVLWd4g/5F69/64mtGgAooooAKKKKACiiigArQ0mR4TeSRMVdbZiCO3zLWfV7Tf8AV33/AF6t/wChLQAf21qP/P3J+lH9taj/AM/cn6VRooAvf21qP/P3J+lH9taj/wA/cn6VRooAvf21qP8Az9yfpR/bWo/8/cn6VRooAvf21qP/AD9yfpR/bWo/8/cn6VRooAvf21qP/P3J+lH9taj/AM/cn6VRooAvf21qP/P3J+lH9taj/wA/cn6VRooAvf21qP8Az9yfpR/bWo/8/cn6VRooAvf21qP/AD9yfpR/bWo/8/cn6VRooAvf21qP/P3J+lH9taj/AM/cn6VRooAvf21qP/P3J+lH9taj/wA/cn6VRooAvf21qP8Az9yfpR/bWo/8/cn6VRooAvf21qP/AD9yfpR/bWo/8/cn6VRooAvf21qP/P3J+lZOsahd3epaTHcXDyIJ3O0njPlPzj/PWrFZ1/8A8hbSv+u0n/opqANGsS7/AOR/0n/sGXv/AKNta26xLv8A5H/Sf+wZe/8Ao21oA26KKKACsTwl/wAgW4/7Ceof+lk1bdYnhL/kC3H/AGE9Q/8ASyagDbooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigBh/1y/7p/pWNrWlX0ur6fq+kGB7qyWSJoLmRo0mjk25G5VYqQVUg7T3HuNplJYMpAIBHIz/AJ6UmJP7y/8AfP8A9egDktX8L32tzWGp6nYaLfXtqZUNjcBmtzE+ON7Kx3jaDu2DOSMDrTrbwrcxrpzJY6Npn2fU/tclvp0RRAgjdAN20eY/zA52qO3bnq8Sf3l/75/+vRiT+8v/AHz/APXoWn9fMDkr/wAMao+tz6lZNaO39qQXscU0rIGRLfymUkKcHJJHBqf/AIROefwzqOmzzxRzXGoS3sEiAsqEzebHuHGcEDI+vNdNiT+8v/fP/wBejEn95f8Avn/69CVl/Xl/kht3/r1/zOS1Hw5rfiAXM+q/YbWcaZcWVtDbzvKheYANI7FFIHygBQp7nJ6VabRdW0zVF1LRVsriWazitbqC6laJcx52OrqjH+JgQRzxyMc9HiT+8v8A3z/9ejEn95f++f8A69H9fn/mxf1+X+SMbwho97oegm01OWCa5a5nmd4AQh3yM/API69Ofqa3KZiT+8v/AHz/APXoxJ/eX/vn/wCvTAfRTMSf3l/75/8Ar0Yk/vL/AN8//XpAPopmJP7y/wDfP/16MSf3l/75/wDr0APopmJP7y/98/8A16MSf3l/75/+vQA+imYk/vL/AN8//XoxJ/eX/vn/AOvQA+imYk/vL/3z/wDXoxJ/eX/vn/69AD6KZiT+8v8A3z/9ejEn95f++f8A69AD6tad/wAf8f4/yNUsSf3l/wC+f/r1JDLNBMsiMhK9Mof8aAOkKqc5AORg5HUUiRpGiJGioqDaqqMBR6D0rH/tW7/6Y/8AfB/+Ko/tW7/6Y/8AfB/+KoAk1n/XW/8Auv8A+y1n1LcXM106NNs+QEDYpHXHufSoqAMS0/5H/Vv+wZZf+jbqjxb/AMgW3/7Cen/+lkNFp/yP+rf9gyy/9G3VHi3/AJAtv/2E9P8A/SyGgDpNO/5Clp/12T/0IVHdf8fk3/XRv51Jp3/IUtP+uyf+hCo7r/j8m/66N/OgCKiiigAooooAKKKKACiiigAoPQ0UHpSewHnuieLVHw5b7U+ry3ognH2gafdSDdufB80IRxxznjHtWlpHiK/l03SNP0y0XUtQOlw3V1JdXRiVFZcDLhHJdiG4x2JJ9b+j6Bdaf4D/ALEmkha58iaPejEplyxHOM/xDtWK/gR4n066fS9G1iaHTobK4g1HOwGMcPG5jfHUgjaMjHIxy+r+X6/8AO3z/T/gjdS8ZMs+n6vBHMscFhqD3Ng0u397CYwUbGQSCGAOD1yOtbVh4mvZL7T4tX0lLCHU1JtJFuhK24Lu2SLtG1ioJ4LDgjPTPPeJfDVzZ+E5Low6ZaJZaTfrNBp8JijVpVUgIvfG05Y4z1wM4Gxp2laxqlzot3rhskg01PNi+zSMzXEjR7AzAqBGArH5QW5PXjlr+vxB7L5/pY6yiiikAUUUUAFFFFABRRRQAUUUUAZ3iD/kXr3/AK4mtGs7xB/yL17/ANcTWjQAUUUUAFFFFABRRRQAVe03/V33/Xq3/oS1Rq9pv+rvv+vVv/QloAo0UUUAFFFFABRRRQAUUUUAFFFFAHMMZPEXirUtPmurqCw0tYlMVrM0DTSupYlnQh8BSuACASTnPGKuu2uoaD4cvPJ1a5ltzeWv2XzJGaaFWnjDoZSdzg5PXJwSMkdNO70vUbLXptW0EWszXcaR3drdSNEr7M7XWRVYgjOCCpBGORjmheeHNa1WwvZNRvYftd1PbtHaxyube2jilV8AkfM5AOW2jJwMAChdP66/18vuDqSXfi+4hi1C/ttLW40jTZGjubn7TtlYof3hjj2kMF92UnBwDxmQ+KL281O/ttC0y3vl08xiZZL7yZn3qHBjQoQQQeCzKCQR2zVO68M6wthqui6e9kumapLI5uZJHE1uJTmRRGFIfqcHcuM8g45TxF4VvNYWS1XTdFmQRLFaalMzpdWQA6rhG3FT8wIdM9MDqUttf6fX+vxHpf8Ar5F+58SX8l/e2+i6Qt6NOVftbS3QhIcru8tAFYMwUjOSo5Az1xs6bqFvq2l22oWTFoLmJZYyRg4IzyOxrkr7wSy6xe3sGjaFrTXqozPqy4eGRUCZB8t9ynaDt+XBzzzx12nWv2HTbe12W6eVGF220PlRjH91MnaPbJquhPUs0UUUhhRRRQAUUUUAFFFFABWdf/8AIW0r/rtJ/wCimrRrOv8A/kLaV/12k/8ARTUAaNYl3/yP+k/9gy9/9G2tbdYl3/yP+k/9gy9/9G2tAG3RRRQAVieEv+QLcf8AYT1D/wBLJq26xPCX/IFuP+wnqH/pZNQBt0UUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAGJaf8j/q3/YMsv/Rt1R4t/wCQLb/9hPT/AP0shotP+R/1b/sGWX/o26o8W/8AIFt/+wnp/wD6WQ0AdJp3/IUtP+uyf+hCo7r/AI/Jv+ujfzpLecWtzFcFGkEThyiY3Ng5wMkDP1IrNl1O/kmd/wCxpxuYnHnxcf8Aj1AF6is77ff/APQHn/7/AEX/AMVR9vv/APoDz/8Af6L/AOKoA0aKzvt9/wD9Aef/AL/Rf/FUfb7/AP6A8/8A3+i/+KoA0aKzvt9//wBAef8A7/Rf/FUfb7//AKA8/wD3+i/+KoA0aKzvt9//ANAef/v9F/8AFUfb7/8A6A8//f6L/wCKoA0aKzvt9/8A9Aef/v8ARf8AxVH2+/8A+gPP/wB/ov8A4qgDRorO+33/AP0B5/8Av9F/8VR9vv8A/oDz/wDf6L/4qgDRorO+33//AEB5/wDv9F/8VR9vv/8AoDz/APf6L/4qgDRorO+33/8A0B5/+/0X/wAVR9vv/wDoDz/9/ov/AIqgDRorO+33/wD0B5/+/wBF/wDFUfb7/wD6A8//AH+i/wDiqANGis77ff8A/QHn/wC/0X/xVH2+/wD+gPP/AN/ov/iqANGis77ff/8AQHn/AO/0X/xVH2+//wCgPP8A9/ov/iqANGis77ff/wDQHn/7/Rf/ABVH2+//AOgPP/3+i/8AiqADxB/yL17/ANcTWjWLqUuoX2m3FsukzI0qFQxmjwD/AN9VtUAFFFFABRRRQAUUUUAFXtN/1d9/16t/6EtUacL57G3uDFayXTzReUqRsq4yQcksRxx/L60ANorO+33/AP0B5/8Av9F/8VR9vv8A/oDz/wDf6L/4qgDRorO+33//AEB5/wDv9F/8VR9vv/8AoDz/APf6L/4qgDRorO+33/8A0B5/+/0X/wAVR9vv/wDoDz/9/ov/AIqgDRorO+33/wD0B5/+/wBF/wDFUfb7/wD6A8//AH+i/wDiqANGis77ff8A/QHn/wC/0X/xVH2+/wD+gPP/AN/ov/iqANGis77ff/8AQHn/AO/0X/xVH2+//wCgPP8A9/ov/iqANGis77ff/wDQHn/7/Rf/ABVH2+//AOgPP/3+i/8AiqANGis77ff/APQHn/7/AEX/AMVR9vv/APoDz/8Af6L/AOKoA0aKzvt9/wD9Aef/AL/Rf/FUfb7/AP6A8/8A3+i/+KoA0aKzvt9//wBAef8A7/Rf/FUfb7//AKA8/wD3+i/+KoA0aKzvt9//ANAef/v9F/8AFUfb7/8A6A8//f6L/wCKoA0aKzvt9/8A9Aef/v8ARf8AxVH2+/8A+gPP/wB/ov8A4qgDRrOv/wDkLaV/12k/9FNR9vv/APoDz/8Af6L/AOKqIm9vNTsXk0+S3jgdmZnkQjBRh2OepFAGtWJd/wDI/wCk/wDYMvf/AEba1t1iXf8AyP8ApP8A2DL3/wBG2tAG3RRRQAVieEv+QLcf9hPUP/SyatusCLwxcWxmFj4j1W1hlnln8mNLVlRpJGkYAtCWxuY9SaAN+isT+wdR/wChs1j/AL9Wf/yPR/YOo/8AQ2ax/wB+rP8A+R6ANuisT+wdR/6GzWP+/Vn/API9H9g6j/0Nmsf9+rP/AOR6ANuisT+wdR/6GzWP+/Vn/wDI9H9g6j/0Nmsf9+rP/wCR6ANuisT+wdR/6GzWP+/Vn/8AI9H9g6j/ANDZrH/fqz/+R6ANuisT+wdR/wChs1j/AL9Wf/yPR/YOo/8AQ2ax/wB+rP8A+R6ANuisT+wdR/6GzWP+/Vn/API9H9g6j/0Nmsf9+rP/AOR6ANuisT+wdR/6GzWP+/Vn/wDI9H9g6j/0Nmsf9+rP/wCR6ANuisT+wdR/6GzWP+/Vn/8AI9H9g6j/ANDZrH/fqz/+R6ANuisT+wdR/wChs1j/AL9Wf/yPR/YOo/8AQ2ax/wB+rP8A+R6ANuisT+wdR/6GzWP+/Vn/API9H9g6j/0Nmsf9+rP/AOR6ANuisT+wdR/6GzWP+/Vn/wDI9H9g6j/0Nmsf9+rP/wCR6ANuisT+wdR/6GzWP+/Vn/8AI9H9g6j/ANDZrH/fqz/+R6ANuisT+wdR/wChs1j/AL9Wf/yPR/YOo/8AQ2ax/wB+rP8A+R6ANuisT+wdR/6GzWP+/Vn/API9H9g6j/0Nmsf9+rP/AOR6ANuisT+wdR/6GzWP+/Vn/wDI9H9g6j/0Nmsf9+rP/wCR6ANuisT+wdR/6GzWP+/Vn/8AI9H9g6j/ANDZrH/fqz/+R6ANuisT+wdR/wChs1j/AL9Wf/yPR/YOo/8AQ2ax/wB+rP8A+R6ANuisT+wdR/6GzWP+/Vn/API9H9g6j/0Nmsf9+rP/AOR6ANuisT+wdR/6GzWP+/Vn/wDI9H9g6j/0Nmsf9+rP/wCR6ANuisT+wdR/6GzWP+/Vn/8AI9H9g6j/ANDZrH/fqz/+R6ANuisT+wdR/wChs1j/AL9Wf/yPR/YOo/8AQ2ax/wB+rP8A+R6ANuisT+wdR/6GzWP+/Vn/API9H9g6j/0Nmsf9+rP/AOR6ANuisT+wdR/6GzWP+/Vn/wDI9H9g6j/0Nmsf9+rP/wCR6ANuisT+wdR/6GzWP+/Vn/8AI9H9g6j/ANDZrH/fqz/+R6ANuisT+wdR/wChs1j/AL9Wf/yPR/YOo/8AQ2ax/wB+rP8A+R6ANuisT+wdR/6GzWP+/Vn/API9H9g6j/0Nmsf9+rP/AOR6ANuisT+wdR/6GzWP+/Vn/wDI9H9g6j/0Nmsf9+rP/wCR6ANuisT+wdR/6GzWP+/Vn/8AI9H9g6j/ANDZrH/fqz/+R6ANuisT+wdR/wChs1j/AL9Wf/yPR/YOo/8AQ2ax/wB+rP8A+R6ANuisT+wdR/6GzWP+/Vn/API9H9g6j/0Nmsf9+rP/AOR6ANuisT+wdR/6GzWP+/Vn/wDI9H9g6j/0Nmsf9+rP/wCR6ANuisT+wdR/6GzWP+/Vn/8AI9H9g6j/ANDZrH/fqz/+R6AC0/5H/Vv+wZZf+jbqjxb/AMgW3/7Cen/+lkNT6Xoh07ULq9n1O81C4uYooWe6EQ2pGXKgCNEHWRuue1TaxpaaxpptJJ5rb97FMs0G3ejxyLIpG4EfeQdQaAL1FYn9g6j/ANDZrH/fqz/+R6P7B1H/AKGzWP8Av1Z//I9AG3RWJ/YOo/8AQ2ax/wB+rP8A+R6P7B1H/obNY/79Wf8A8j0AbdFYn9g6j/0Nmsf9+rP/AOR6P7B1H/obNY/79Wf/AMj0AbdFYn9g6j/0Nmsf9+rP/wCR6P7B1H/obNY/79Wf/wAj0AbdFYn9g6j/ANDZrH/fqz/+R6P7B1H/AKGzWP8Av1Z//I9AG3RWJ/YOo/8AQ2ax/wB+rP8A+R6P7B1H/obNY/79Wf8A8j0AbdFYn9g6j/0Nmsf9+rP/AOR6P7B1H/obNY/79Wf/AMj0AbdFYn9g6j/0Nmsf9+rP/wCR6P7B1H/obNY/79Wf/wAj0AbdFYn9g6j/ANDZrH/fqz/+R6P7B1H/AKGzWP8Av1Z//I9AG3RWJ/YOo/8AQ2ax/wB+rP8A+R6P7B1H/obNY/79Wf8A8j0AbdFYn9g6j/0Nmsf9+rP/AOR6P7B1H/obNY/79Wf/AMj0AbdFYn9g6j/0Nmsf9+rP/wCR6P7B1H/obNY/79Wf/wAj0AbdFYn9g6j/ANDZrH/fqz/+R6P7B1H/AKGzWP8Av1Z//I9AG3RWJ/YOo/8AQ2ax/wB+rP8A+R6P7B1H/obNY/79Wf8A8j0AbdFYn9g6j/0Nmsf9+rP/AOR6P7B1H/obNY/79Wf/AMj0AbdFYn9g6j/0Nmsf9+rP/wCR6P7B1H/obNY/79Wf/wAj0AbdFYn9g6j/ANDZrH/fqz/+R6P7B1H/AKGzWP8Av1Z//I9AG3RWJ/YOo/8AQ2ax/wB+rP8A+R6P7B1H/obNY/79Wf8A8j0AbdFYn9g6j/0Nmsf9+rP/AOR6P7B1H/obNY/79Wf/AMj0AbdFYn9g6j/0Nmsf9+rP/wCR6P7B1H/obNY/79Wf/wAj0AbdFYn9g6j/ANDZrH/fqz/+R6P7B1H/AKGzWP8Av1Z//I9AG3RWJ/YOo/8AQ2ax/wB+rP8A+R6P7B1H/obNY/79Wf8A8j0AbdFYn9g6j/0Nmsf9+rP/AOR6P7B1H/obNY/79Wf/AMj0AbdFYn9g6j/0Nmsf9+rP/wCR6P7B1H/obNY/79Wf/wAj0AbdFYn9g6j/ANDZrH/fqz/+R6P7B1H/AKGzWP8Av1Z//I9AG3RWJ/YOo/8AQ2ax/wB+rP8A+R6P7B1H/obNY/79Wf8A8j0AbdFYn9g6j/0Nmsf9+rP/AOR6P7B1H/obNY/79Wf/AMj0AbdFYn9g6j/0Nmsf9+rP/wCR6P7B1H/obNY/79Wf/wAj0AbdFYn9g6j/ANDZrH/fqz/+R6P7B1H/AKGzWP8Av1Z//I9AG3RWJ/YOo/8AQ2ax/wB+rP8A+R6P7B1H/obNY/79Wf8A8j0AbdFYn9g6j/0Nmsf9+rP/AOR6P7B1H/obNY/79Wf/AMj0AbdYl3/yP+k/9gy9/wDRtrR/YOo/9DZrH/fqz/8Aken2WgPbaxHqN3rF/qM0UEkEa3KwKqK7IzH93GhJzGvUmgDYooooAKx5/F/hu2uJILnxDpUM0TFJI5L2NWRgcEEFsgg9q2KxPCX/ACBbj/sJ6h/6WTUAH/Ca+Ff+hm0f/wAD4v8A4qj/AITXwr/0M2j/APgfF/8AFVt0UAYn/Ca+Ff8AoZtH/wDA+L/4qj/hNfCv/QzaP/4Hxf8AxVbdFAGJ/wAJr4V/6GbR/wDwPi/+Ko/4TXwr/wBDNo//AIHxf/FVt0UAYn/Ca+Ff+hm0f/wPi/8AiqP+E18K/wDQzaP/AOB8X/xVbdFAGJ/wmvhX/oZtH/8AA+L/AOKo/wCE18K/9DNo/wD4Hxf/ABVbdFAGJ/wmvhX/AKGbR/8AwPi/+Ko/4TXwr/0M2j/+B8X/AMVW3RQBif8ACa+Ff+hm0f8A8D4v/iqP+E18K/8AQzaP/wCB8X/xVbdFAGJ/wmvhX/oZtH/8D4v/AIqj/hNfCv8A0M2j/wDgfF/8VW3RQBif8Jr4V/6GbR//AAPi/wDiqP8AhNfCv/QzaP8A+B8X/wAVW3RQBif8Jr4V/wChm0f/AMD4v/iqP+E18K/9DNo//gfF/wDFVt0UAYn/AAmvhX/oZtH/APA+L/4qj/hNfCv/AEM2j/8AgfF/8VW3RQBif8Jr4V/6GbR//A+L/wCKo/4TXwr/ANDNo/8A4Hxf/FVt0UAYn/Ca+Ff+hm0f/wAD4v8A4qj/AITXwr/0M2j/APgfF/8AFVt0UAYn/Ca+Ff8AoZtH/wDA+L/4qj/hNfCv/QzaP/4Hxf8AxVbdFAGJ/wAJr4V/6GbR/wDwPi/+Ko/4TXwr/wBDNo//AIHxf/FVt0UAYn/Ca+Ff+hm0f/wPi/8AiqP+E18K/wDQzaP/AOB8X/xVbdFAGJ/wmvhX/oZtH/8AA+L/AOKo/wCE18K/9DNo/wD4Hxf/ABVbdFAGJ/wmvhX/AKGbR/8AwPi/+Ko/4TXwr/0M2j/+B8X/AMVW3RQBif8ACa+Ff+hm0f8A8D4v/iqP+E18K/8AQzaP/wCB8X/xVbdFAGJ/wmvhX/oZtH/8D4v/AIqj/hNfCv8A0M2j/wDgfF/8VW3RQBif8Jr4V/6GbR//AAPi/wDiqP8AhNfCv/QzaP8A+B8X/wAVW3RQBif8Jr4V/wChm0f/AMD4v/iqP+E18K/9DNo//gfF/wDFVt0UAYn/AAmvhX/oZtH/APA+L/4qj/hNfCv/AEM2j/8AgfF/8VW3RQBif8Jr4V/6GbR//A+L/wCKo/4TXwr/ANDNo/8A4Hxf/FVt0UAYn/Ca+Ff+hm0f/wAD4v8A4qj/AITXwr/0M2j/APgfF/8AFVt0UAYn/Ca+Ff8AoZtH/wDA+L/4qj/hNfCv/QzaP/4Hxf8AxVbdFAGJ/wAJr4V/6GbR/wDwPi/+Ko/4TXwr/wBDNo//AIHxf/FVt0UAYn/Ca+Ff+hm0f/wPi/8AiqP+E18K/wDQzaP/AOB8X/xVbdFAGJ/wmvhX/oZtH/8AA+L/AOKo/wCE18K/9DNo/wD4Hxf/ABVbdFAGJ/wmvhX/AKGbR/8AwPi/+Ko/4TXwr/0M2j/+B8X/AMVW3RQBif8ACa+Ff+hm0f8A8D4v/iqP+E18K/8AQzaP/wCB8X/xVbdFAGJ/wmvhX/oZtH/8D4v/AIqj/hNfCv8A0M2j/wDgfF/8VW3RQBif8Jr4V/6GbR//AAPi/wDiqP8AhNfCv/QzaP8A+B8X/wAVW3RQBif8Jr4V/wChm0f/AMD4v/iqP+E18K/9DNo//gfF/wDFVt0UAYn/AAmvhX/oZtH/APA+L/4qj/hNfCv/AEM2j/8AgfF/8VW3RQBif8Jr4V/6GbR//A+L/wCKo/4TXwr/ANDNo/8A4Hxf/FVt0UAYn/Ca+Ff+hm0f/wAD4v8A4qj/AITXwr/0M2j/APgfF/8AFVt0UAYn/Ca+Ff8AoZtH/wDA+L/4qj/hNfCv/QzaP/4Hxf8AxVbdFAGJ/wAJr4V/6GbR/wDwPi/+Ko/4TXwr/wBDNo//AIHxf/FVt0UAYn/Ca+Ff+hm0f/wPi/8AiqP+E18K/wDQzaP/AOB8X/xVbdFAGJ/wmvhX/oZtH/8AA+L/AOKo/wCE18K/9DNo/wD4Hxf/ABVbdFAGJ/wmvhX/AKGbR/8AwPi/+Ko/4TXwr/0M2j/+B8X/AMVW3RQBif8ACa+Ff+hm0f8A8D4v/iqP+E18K/8AQzaP/wCB8X/xVbdFAGJ/wmvhX/oZtH/8D4v/AIqj/hNfCv8A0M2j/wDgfF/8VW3RQBif8Jr4V/6GbR//AAPi/wDiqP8AhNfCv/QzaP8A+B8X/wAVW3RQBif8Jr4V/wChm0f/AMD4v/iqP+E18K/9DNo//gfF/wDFVt0UAYn/AAmvhX/oZtH/APA+L/4qj/hNfCv/AEM2j/8AgfF/8VW3RQBif8Jr4V/6GbR//A+L/wCKo/4TXwr/ANDNo/8A4Hxf/FVt0UAYn/Ca+Ff+hm0f/wAD4v8A4qj/AITXwr/0M2j/APgfF/8AFVt0UAYn/Ca+Ff8AoZtH/wDA+L/4qj/hNfCv/QzaP/4Hxf8AxVbdFAGJ/wAJr4V/6GbR/wDwPi/+Ko/4TXwr/wBDNo//AIHxf/FVt0UAYn/Ca+Ff+hm0f/wPi/8AiqP+E18K/wDQzaP/AOB8X/xVbdFAGJ/wmvhX/oZtH/8AA+L/AOKo/wCE18K/9DNo/wD4Hxf/ABVbdFAGJ/wmvhX/AKGbR/8AwPi/+Ko/4TXwr/0M2j/+B8X/AMVW3RQBif8ACa+Ff+hm0f8A8D4v/iqP+E18K/8AQzaP/wCB8X/xVbdFAGJ/wmvhX/oZtH/8D4v/AIqj/hNfCv8A0M2j/wDgfF/8VW3RQBif8Jr4V/6GbR//AAPi/wDiqP8AhNfCv/QzaP8A+B8X/wAVW3RQBif8Jr4V/wChm0f/AMD4v/iqP+E18K/9DNo//gfF/wDFVt0UAYn/AAmvhX/oZtH/APA+L/4qj/hNfCv/AEM2j/8AgfF/8VW3RQBif8Jr4V/6GbR//A+L/wCKo/4TXwr/ANDNo/8A4Hxf/FVt0UAYn/Ca+Ff+hm0f/wAD4v8A4qj/AITXwr/0M2j/APgfF/8AFVt0UAYn/Ca+Ff8AoZtH/wDA+L/4qj/hNfCv/QzaP/4Hxf8AxVbdFAGJ/wAJr4V/6GbR/wDwPi/+Ko/4TXwr/wBDNo//AIHxf/FVt0UAYn/Ca+Ff+hm0f/wPi/8AiqP+E18K/wDQzaP/AOB8X/xVbdFAGJ/wmvhX/oZtH/8AA+L/AOKq1p/iHRdWuGg0rV7C+mVd7R21ykjBcgZwpJxkjn3rRrEu/wDkf9J/7Bl7/wCjbWgDbooooAKxPCX/ACBbj/sJ6h/6WTVt1ieEv+QLcf8AYT1D/wBLJqANuiuc8W6bd3/9nvFZDVLGCYteaaZFX7QpGAcMQjbT821iAcdcgVkWU9hpq6s/hjT59J1VLRpjodzB5UMhQ48xVX5GJwF3RsRyueaV+47djuqK47UfGlwLa6u9Ht1uLSCzt5zMY3fYZm++QvLKifOVAyfUVm67q+q6j4UupLHXtDvoVurVPtWno5PzTIDGyCU46g538gkbR96n1sLc9DorhdQ8bTQatf2CazoFhLpiokg1Fihu5SgYhB5gMacgZO/kn05faeLNY8QagkegCxtrZ9Kh1ASXcTysrOXHl4V1z93rnjB4OeFfS/8AXV/oO39f16nb0VxOkeK9ZuYfD2oahFYpZ63J5QtoUfzIG2MwbzC2GB2HjaMbupxzseIfC66/IztdNATYXFlwm7Hm7Pm6jps6d89RVNWErN6m9RXJyatrdxPqkWgfYFt9GxAVuo2drqURh2UMrqIxhlGSG5J445raF4p1nW7jTx/oFtC+kwajdOYHckuzBkQbxjheCc4x0OeFp/Xzf5INf6+X+Z2tFeeWfxJE8dlqEmp6I9teXCR/2ZFLm8hR22qxO87mGQWXYMAnnjlb34jiH+0b2LU9Dit7C4eIabcS4u7hYzh2U7xtJIO1ShzgcjPB/X9feH9f19x6FRXE3/ijXd/iC50xdP8AsOjIkyrNE7SXKmFZSuQ4CHBPzYbqOOOaH9qazaaj4t1fShZC2thDdSRXEbO82LaNiikMoT5R94huT045PUaV9up6LRXLDXNY1e+vU8P/AGGGLT408wXcTyNNK6BwgKsuwBSBuw3J6ccyaB4qk17UY1jgWK2m0qG+VWyXV3d1Kk5wQNo7UPT+vX/IXS/9dP8AM6WivP4PHN/c2unNd3uk6GLqwW6F1qELtDO5JBjQ+YgUrgEgsSdwwODVzU/GU1tqsGlS6noWkXIs1ubi4vZTJExYkKkQLRlvukls8DHBzR/X9fcG39f13O0oribe1i+IWirqX2pLdzZ3mmyeR+9jLsyqZEbI3L+7yPUMORiuvtoZ4WZJJY3hVVWJVjKsuBg7m3ENn2Ax707AT0VxGr6Fc3vi7UNRvfDGm6taR28MULahMmdq7mby18t+SWx82zoPrWxe6paSfDu51TTIIJrP+zHmhgli/dsgjJCMnpjgj8Klu0WxpXkkb9Fcm+r67c60ul6MNNt400uK8Mk8DvhmZl2BVdePlHOeMdDnilpXinxB4kvbeHSo9Oso5NMhvZJLmJ5tjuzrsAVlyCV65GMHg54r+vz/AMmJaq/9a2/zO5orldI8WXGp32jwNBDGbqO7W6UZOyWB1QhDx8uS3UdMdKyYtX1nVfHGnMs9tHBDLqMIgEDneIpFXJPmAbipABxwd3BzgLr/AF0Dpc9AorjvDfii/wBavLcPqGjeZJuNzpJV4byzx1B3MS5U4ByiA5yDjGexoAKK880jTl0HydT8S+F9Milnv2Zr9pEluo5JZjsLAR4ABYDIkOBg+uOs8RavPpkFpDYJE17f3K21v52fLRiCxZsckBVJwCM8DIzmjoHVmvRXG33inVdIa+sr5LSe8tjaSRzxROkcsU0wjOULEqy/N/EQeD6iqvjzV9T8260uwmgt4o47KcyNEzM3mXOwrw68cL9RuHfIN7W6jsd5RXGrrHiq61DWoLI6SE0lkUNLBJ/pLGJXKjD/ALsZJ5+bqOOMnQ0XxO2t6siQRqtnNpUF/HkHeGkZwQTnGAFHb1o6X/rZv9Bbf16f5nRUV5rpHiDXr3VJdaxBdH+wI7pdPggcF2LSfKhLnBLL12nIwMZGT0fhjXrnWbgEazomqQGEPItkrwzW7HoGjZ3ODyOdhBHQ9j+vz/yB6P8Ary/zOnoqG8ne2sZ54ovOeKNnWPeE3kDONx4GfU8CuS0PxjPfeJoNMkvtM1OO4tXm87TY2CQOm3MZk3sshww6bSOCQNwpXDpc7OiuG0vxbrjafoWq6umniy1ZzG0NvG6vCfLZw+8uQQdh+XaMZ6nHOfr+pa5q/hbSNVmWxTTr7ULORbZUbzoUMyFGMm7Dk8ZAVcbupxzSWtvNL7weh6TRXK+NrudZtF02C3N0uoXpjlg3BVlRY2ba5P8AASBu4Pyg8HoaWl6JZXE2taBLBJorzJBLPZadcj7P5ZyN0R2KV37SrjaOnHXNLcNjt6K4LTbSCDxTqcngmxWKwtrCSCdLbEcFxdgjYqDhS6gEM3+0ATno7wxplt4YfRrfVPDel2F5PGLeG+t2WSZ5RGSwkPlrtLBW6MwzxnoSLX+vX+vmg2/r+v6TO7orA1vU9Uh8Q6XpWkm0jN7FPJJNcxNJ5fl7MYVXXOdxHX0PbBpSeKb5PDN7qHlW5mt9VNko2ttKC5EWSM5ztOeuM9u1C1/rzsB1lFebWnikaLv05L3T9PlvdW1CRrvUWxFEiTHPG5dzEsABuHc9sVdHj6aXSXaK405mg1AWdzqkStNZxIU3rMQrZCnIUgvhWPLYHItUn/X9ajas2vX+vwO8orK8PX9xqNg8097pmoR+YRFdaax8uRfdSW2kHIwGbpnjpWrQIKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKxLv/kf9J/7Bl7/AOjbWtusS7/5H/Sf+wZe/wDo21oA26KKKACsTwl/yBbj/sJ6h/6WTVt1ieEv+QLcf9hPUP8A0smoAk1vQ5NSubO+sLz7DqNkzeTMYhIjK2N6OmRuUgDoQQQCDUEGk3FtqT65rt6t9cwW7wxJZ2bIkcZIZsIGd2YlR3PQADrneooA5Pwv4dudN8KSxWN1LY3VzcNPHJNEHZEziJHRuwjVFK5BHPIPNJd+DLrUV1Ge+1OAaheLAgmtrIxxoIZPMQlC7FjngncOMAYxXW0UAc6/h/Vbe9urvR9XtbSW+VTdiWwMqGUKF8yMeYpUkAcEsOB75sWvh97fXJ9Slv3uHmsY7RvMjUMSjMd5K4GTu6BQOK2qKNwOatfCH2bSfDtl9u3f2JKsm/ycedhGTGN3y/ez36V0tFFO4HCayLuw1nV49Kk1K1/tAK0kaaQ9ysz7Au+GVTsjYgBT5vAKg4A5Op4V8LSaPb2Ut5KplTSLewlgC5AZCxJ3Z5GXIxjtXT0Ulov681+oPX+vT/I5zTvD2q6XHbWFnriR6VbP+7iFkDP5Y6RGUsV29BnZuwOueaE8O6pYyXMWia1HZWNzcNO0bWQkliZ23P5blgoBOSNyNgk9RgV0dFAGBP4Y8638RRG8OdbTZuMX+p/ciLPX5ume3pUY8J407XbX7b/yF4RFu8r/AFWIBFnGfm+7nt6e9dHRSsrNfIabTT7HNv4Yvra4nk0XVo7IXkKR3YktPN3MqhBIh3rtbaMc7hwOOuY08HyadcWr+HtS+wrDYLp8izQecWjU5VlO5drjLckMOfu8V1FFN6/1/XcS00/r+tDl7Pwzq+l6HaaXp2t2zQQ2ot5EvNP81Xxn5gFkUgkHkMWHAxjnK23hCbR/sb+HdRS2mt7NLKU3dt56zxoSVJCshDAluQcYOMdMdPRR5/1/WoFbTre5tbGOK+vWvrgDMk7RrHuPsq8Aeg5OOpJ5qSNZxcSmWSNoTjykWMhl45y247ufQDHvUtFAGLd6TqjX1xLp2rrDb3YHnQ3MDT+XgbSYj5ihMjsQwzzjqDJPoEB8Hy+H7RzBA1k1nG7DeUUptBPTJ7+9a1FK2lhptO5k2ehfZNbOofaN+bCKz8vZj7jMd2c993T261ymleGNa0jxMLbStQEMdto8Fv8AabixMkMxDyZ4DrhhkH7xwDyDkV6DRT63/rr/AJi2VvT8Lf5HLr4Oexh0p9G1EQXmnGbM11B5y3Hm8yF1Vk5LANkEYx0qPT/Bl1p13ZXUWseZPb3F1LK8tqD5qzsGYcMArDaMNyP9musoo63DpY5xfDmo3Op6fcazq0F5HpsrS25jsvKmZipX533kEYY5CqoJA6AYrW0qW7udLjk1FFSdi24IjR8biFO0klSVwcZq7RQBzq+Gr2WOCy1HVheabbzJNGjwt9oco4dBJMXIYAgZ+UE4HPXN/XNH/ti1hEU/2W7tZluLa42B/LkGRyp6ggkEZHBPIPNadFAHLXPg2TUrfUpNU1PzNRvkiRbi3g8uOARNvjCxlmJ+fk5Y59qgvfBeoanLfXOoa3G11dQQRI0VlsjhMMvmKQpkJIJ6gt68jgDsKKAOEstD8QXGueJQmp/YIbuaJHdrEkSDyEDSQkuNpzkZO8DA9DnWbwlLZ3ltN4f1BdPWKxXT3jkt/OzEpypX5l2uMtydw56V0tFHS39bWA5PSvBl1o5tfses7PK0xbCR/soLttLMsiksQpBY5BDA1YXQ9Rj1L+2tTv7a6vbSzkht/stg0YO7BO8eYzPyowAV6n146Sih/wBfO/8AmHX+v66GXd2Emu+FJLDUyYJb208ufyhjYzLhsZz0JNZlv4Y1P+3tO1W/1mCaSxhe3EMFj5UbRsBngyMQ2VHOcYGAo6109FDs22HSxzkHhEQ6JoOnPeb10iVZC/lY84BHTGM/L9/PfpVGbwRqElhZ6UmvKmlWNzFNBCbPMu2NwyxtJvwVGMAhQeBknBz2NFO9nf5g9dzO1jSf7Ujt3im+z3dnN59tNs3BH2lfmXI3KQxBGRweoPNY974U1G+sdRZ9aSHU9QSOGS6gtWVEhQk7FTzNwzubLb888YwK6mipsO5g6fomo22ntptxfWMdh5Bhjj02yktXiyMAq/nNjHPbOec0ttoV9JeWU2t6lFerp7F7YRWxiYvsKbpCXbedrHoFGSTjpjdop9bi6WM660n7T4h0/VPO2/Y4po/K2Z3+Zs5znjGz05zWFd+CrydLq0g1pYdOuL8X/km03SB/MWRk378FCwJxtBGRycYPXUUbf18w6WOXTwfNazLeadqKQ6hHd3M6TSW29DHO+5omTcCQMLghgcj6ir403XRY/wDIfQ3vnGQubFfI29PL8sNv245z5m7PfHy1s0UdLBu7mRoWiPpLX09xcRz3WoT+fO0MPkx7toUbUyxHCjJLEk5PtWvRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAViXf/ACP+k/8AYMvf/RtrW3WJd/8AI/6T/wBgy9/9G2tAG3RRRQAVieEv+QLcf9hPUP8A0smrbrE8Jf8AIFuP+wnqH/pZNQBt0UUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFYl3/yP+k/9gy9/9G2tbdYl3/yP+k/9gy9/9G2tAG3RRRQAVieEv+QLcf8AYT1D/wBLJq265bSbrVNHt7m0k8Nalc/6ddzLNBLa7HSS4kkUjdMD91x1AoA6misT+3tR/wChT1j/AL+2f/yRR/b2o/8AQp6x/wB/bP8A+SKANuisT+3tR/6FPWP+/tn/APJFH9vaj/0Kesf9/bP/AOSKANuisT+3tR/6FPWP+/tn/wDJFH9vaj/0Kesf9/bP/wCSKANuisT+3tR/6FPWP+/tn/8AJFH9vaj/ANCnrH/f2z/+SKANuisT+3tR/wChT1j/AL+2f/yRR/b2o/8AQp6x/wB/bP8A+SKANuisT+3tR/6FPWP+/tn/APJFH9vaj/0Kesf9/bP/AOSKANuisT+3tR/6FPWP+/tn/wDJFH9vaj/0Kesf9/bP/wCSKANuisT+3tR/6FPWP+/tn/8AJFH9vaj/ANCnrH/f2z/+SKANuisT+3tR/wChT1j/AL+2f/yRR/b2o/8AQp6x/wB/bP8A+SKANuisT+3tR/6FPWP+/tn/APJFH9vaj/0Kesf9/bP/AOSKANuisT+3tR/6FPWP+/tn/wDJFH9vaj/0Kesf9/bP/wCSKANuisT+3tR/6FPWP+/tn/8AJFH9vaj/ANCnrH/f2z/+SKANuisT+3tR/wChT1j/AL+2f/yRR/b2o/8AQp6x/wB/bP8A+SKANuisT+3tR/6FPWP+/tn/APJFH9vaj/0Kesf9/bP/AOSKANuisT+3tR/6FPWP+/tn/wDJFH9vaj/0Kesf9/bP/wCSKANuisT+3tR/6FPWP+/tn/8AJFH9vaj/ANCnrH/f2z/+SKANuisT+3tR/wChT1j/AL+2f/yRR/b2o/8AQp6x/wB/bP8A+SKANuisT+3tR/6FPWP+/tn/APJFH9vaj/0Kesf9/bP/AOSKANuisT+3tR/6FPWP+/tn/wDJFH9vaj/0Kesf9/bP/wCSKANuisT+3tR/6FPWP+/tn/8AJFH9vaj/ANCnrH/f2z/+SKANuisT+3tR/wChT1j/AL+2f/yRR/b2o/8AQp6x/wB/bP8A+SKANuisT+3tR/6FPWP+/tn/APJFH9vaj/0Kesf9/bP/AOSKANuisT+3tR/6FPWP+/tn/wDJFH9vaj/0Kesf9/bP/wCSKANuisT+3tR/6FPWP+/tn/8AJFH9vaj/ANCnrH/f2z/+SKANuisT+3tR/wChT1j/AL+2f/yRR/b2o/8AQp6x/wB/bP8A+SKANuisT+3tR/6FPWP+/tn/APJFH9vaj/0Kesf9/bP/AOSKANuisT+3tR/6FPWP+/tn/wDJFH9vaj/0Kesf9/bP/wCSKANuisT+3tR/6FPWP+/tn/8AJFH9vaj/ANCnrH/f2z/+SKANuisT+3tR/wChT1j/AL+2f/yRR/b2o/8AQp6x/wB/bP8A+SKANuisT+3tR/6FPWP+/tn/APJFH9vaj/0Kesf9/bP/AOSKANuisT+3tR/6FPWP+/tn/wDJFH9vaj/0Kesf9/bP/wCSKANuisT+3tR/6FPWP+/tn/8AJFH9vaj/ANCnrH/f2z/+SKANuisT+3tR/wChT1j/AL+2f/yRR/b2o/8AQp6x/wB/bP8A+SKANuisT+3tR/6FPWP+/tn/APJFH9vaj/0Kesf9/bP/AOSKANuisT+3tR/6FPWP+/tn/wDJFH9vaj/0Kesf9/bP/wCSKANuisT+3tR/6FPWP+/tn/8AJFH9vaj/ANCnrH/f2z/+SKANuisT+3tR/wChT1j/AL+2f/yRR/b2o/8AQp6x/wB/bP8A+SKANuisT+3tR/6FPWP+/tn/APJFH9vaj/0Kesf9/bP/AOSKANuisT+3tR/6FPWP+/tn/wDJFH9vaj/0Kesf9/bP/wCSKANuisT+3tR/6FPWP+/tn/8AJFH9vaj/ANCnrH/f2z/+SKANuisT+3tR/wChT1j/AL+2f/yRR/b2o/8AQp6x/wB/bP8A+SKANuisT+3tR/6FPWP+/tn/APJFH9vaj/0Kesf9/bP/AOSKANuisT+3tR/6FPWP+/tn/wDJFH9vaj/0Kesf9/bP/wCSKANuisT+3tR/6FPWP+/tn/8AJFH9vaj/ANCnrH/f2z/+SKANuisT+3tR/wChT1j/AL+2f/yRR/b2o/8AQp6x/wB/bP8A+SKANuisT+3tR/6FPWP+/tn/APJFH9vaj/0Kesf9/bP/AOSKANuisT+3tR/6FPWP+/tn/wDJFH9vaj/0Kesf9/bP/wCSKANuisT+3tR/6FPWP+/tn/8AJFH9vaj/ANCnrH/f2z/+SKANuisT+3tR/wChT1j/AL+2f/yRR/b2o/8AQp6x/wB/bP8A+SKANuisT+3tR/6FPWP+/tn/APJFH9vaj/0Kesf9/bP/AOSKANuisT+3tR/6FPWP+/tn/wDJFH9vaj/0Kesf9/bP/wCSKANuisT+3tR/6FPWP+/tn/8AJFH9vaj/ANCnrH/f2z/+SKANuisT+3tR/wChT1j/AL+2f/yRR/b2o/8AQp6x/wB/bP8A+SKANuisT+3tR/6FPWP+/tn/APJFH9vaj/0Kesf9/bP/AOSKANuisT+3tR/6FPWP+/tn/wDJFH9vaj/0Kesf9/bP/wCSKANuisT+3tR/6FPWP+/tn/8AJFH9vaj/ANCnrH/f2z/+SKANuisT+3tR/wChT1j/AL+2f/yRR/b2o/8AQp6x/wB/bP8A+SKANuisT+3tR/6FPWP+/tn/APJFH9vaj/0Kesf9/bP/AOSKANuisT+3tR/6FPWP+/tn/wDJFH9vaj/0Kesf9/bP/wCSKANuisT+3tR/6FPWP+/tn/8AJFH9vaj/ANCnrH/f2z/+SKANuisT+3tR/wChT1j/AL+2f/yRR/b2o/8AQp6x/wB/bP8A+SKANuisT+3tR/6FPWP+/tn/APJFH9vaj/0Kesf9/bP/AOSKANuisT+3tR/6FPWP+/tn/wDJFH9vaj/0Kesf9/bP/wCSKANuisT+3tR/6FPWP+/tn/8AJFH9vaj/ANCnrH/f2z/+SKANusS7/wCR/wBJ/wCwZe/+jbWj+3tR/wChT1j/AL+2f/yRUFs+oaj4vs72fRbzT7e2sbmFnupIDueSSAqAI5HPSNuuO1AHRUUUUAFFbv8AZ1r/AM8v/Hj/AI0f2da/88v/AB4/40AYVFbv9nWv/PL/AMeP+NH9nWv/ADy/8eP+NAGFRW7/AGda/wDPL/x4/wCNH9nWv/PL/wAeP+NAGFRW7/Z1r/zy/wDHj/jR/Z1r/wA8v/Hj/jQBhUVu/wBnWv8Azy/8eP8AjR/Z1r/zy/8AHj/jQBhUVu/2da/88v8Ax4/40f2da/8APL/x4/40AYVFbv8AZ1r/AM8v/Hj/AI0f2da/88v/AB4/40AYVFbv9nWv/PL/AMeP+NH9nWv/ADy/8eP+NAGFRW7/AGda/wDPL/x4/wCNH9nWv/PL/wAeP+NAGFRW7/Z1r/zy/wDHj/jR/Z1r/wA8v/Hj/jQBhUVu/wBnWv8Azy/8eP8AjR/Z1r/zy/8AHj/jQBhUVu/2da/88v8Ax4/40f2da/8APL/x4/40AYVFbv8AZ1r/AM8v/Hj/AI0f2da/88v/AB4/40AYVFbv9nWv/PL/AMeP+NH9nWv/ADy/8eP+NAGFRW7/AGda/wDPL/x4/wCNH9nWv/PL/wAeP+NAGFRW7/Z1r/zy/wDHj/jR/Z1r/wA8v/Hj/jQBhUVu/wBnWv8Azy/8eP8AjR/Z1r/zy/8AHj/jQBhUVu/2da/88v8Ax4/40f2da/8APL/x4/40AYVFbv8AZ1r/AM8v/Hj/AI0f2da/88v/AB4/40AYVFbv9nWv/PL/AMeP+NH9nWv/ADy/8eP+NAGFRW7/AGda/wDPL/x4/wCNH9nWv/PL/wAeP+NAGFRW7/Z1r/zy/wDHj/jR/Z1r/wA8v/Hj/jQBhUVu/wBnWv8Azy/8eP8AjR/Z1r/zy/8AHj/jQBhUVu/2da/88v8Ax4/40f2da/8APL/x4/40AYVFbv8AZ1r/AM8v/Hj/AI0f2da/88v/AB4/40AYVFbv9nWv/PL/AMeP+NH9nWv/ADy/8eP+NAGFRW7/AGda/wDPL/x4/wCNH9nWv/PL/wAeP+NAGFRW7/Z1r/zy/wDHj/jR/Z1r/wA8v/Hj/jQBhUVu/wBnWv8Azy/8eP8AjR/Z1r/zy/8AHj/jQBhUVu/2da/88v8Ax4/40f2da/8APL/x4/40AYVFbv8AZ1r/AM8v/Hj/AI0f2da/88v/AB4/40AYVFbv9nWv/PL/AMeP+NH9nWv/ADy/8eP+NAGFRW7/AGda/wDPL/x4/wCNH9nWv/PL/wAeP+NAGFRW7/Z1r/zy/wDHj/jR/Z1r/wA8v/Hj/jQBhUVu/wBnWv8Azy/8eP8AjR/Z1r/zy/8AHj/jQBhUVu/2da/88v8Ax4/40f2da/8APL/x4/40AYVFbv8AZ1r/AM8v/Hj/AI0f2da/88v/AB4/40AYVFbv9nWv/PL/AMeP+NH9nWv/ADy/8eP+NAGFRW7/AGda/wDPL/x4/wCNH9nWv/PL/wAeP+NAGFRW7/Z1r/zy/wDHj/jR/Z1r/wA8v/Hj/jQBhUVu/wBnWv8Azy/8eP8AjR/Z1r/zy/8AHj/jQBhUVu/2da/88v8Ax4/40f2da/8APL/x4/40AYVFbv8AZ1r/AM8v/Hj/AI0f2da/88v/AB4/40AYVFbv9nWv/PL/AMeP+NH9nWv/ADy/8eP+NAGFRW7/AGda/wDPL/x4/wCNH9nWv/PL/wAeP+NAGFRW7/Z1r/zy/wDHj/jR/Z1r/wA8v/Hj/jQBhUVu/wBnWv8Azy/8eP8AjR/Z1r/zy/8AHj/jQBhUVu/2da/88v8Ax4/40f2da/8APL/x4/40AYVFbv8AZ1r/AM8v/Hj/AI0f2da/88v/AB4/40AYVFbv9nWv/PL/AMeP+NH9nWv/ADy/8eP+NAGFRW7/AGda/wDPL/x4/wCNH9nWv/PL/wAeP+NAGFRW7/Z1r/zy/wDHj/jR/Z1r/wA8v/Hj/jQBhUVu/wBnWv8Azy/8eP8AjR/Z1r/zy/8AHj/jQBhUVu/2da/88v8Ax4/40f2da/8APL/x4/40AYVFbv8AZ1r/AM8v/Hj/AI0f2da/88v/AB4/40AYVFbv9nWv/PL/AMeP+NH9nWv/ADy/8eP+NAGFRW7/AGda/wDPL/x4/wCNH9nWv/PL/wAeP+NAGFRW7/Z1r/zy/wDHj/jR/Z1r/wA8v/Hj/jQBhUVu/wBnWv8Azy/8eP8AjR/Z1r/zy/8AHj/jQBhUVu/2da/88v8Ax4/40f2da/8APL/x4/40AYVFbv8AZ1r/AM8v/Hj/AI0f2da/88v/AB4/40AYVFbv9nWv/PL/AMeP+NH9nWv/ADy/8eP+NAGFRW7/AGda/wDPL/x4/wCNH9nWv/PL/wAeP+NAGFRW7/Z1r/zy/wDHj/jR/Z1r/wA8v/Hj/jQBhUVu/wBnWv8Azy/8eP8AjR/Z1r/zy/8AHj/jQBhUVu/2da/88v8Ax4/40f2da/8APL/x4/40AYVFbv8AZ1r/AM8v/Hj/AI0UAf/Z)

Fig 2 Fuzzy Inference System

1. Fuzzification of the crisp inputs.
2. Implementation of fuzzy rules.
3. Inference and aggregation of fuzzy rules.
4. Defuzzification of input into crisp output.

From the Fig 2, explains the Fuzzy Inference for our FLC. For our Mamdani inference min and max membership values are used for AND and OR evaluation methods. Also, min and max values were set use for Implication and aggregation respectively. For our FLC Centroid or Centre of Gravity method is used for defuzzification. Centroid method is widely used in Mamdani inference system.

1. ***FLC Inputs and Fuzzification.***
2. ***Temperature Input Sensor.***

![Chart

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAkACQAAD/4RD4RXhpZgAATU0AKgAAAAgABAE7AAIAAAAPAAAISodpAAQAAAABAAAIWpydAAEAAAAeAAAQ0uocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEFiaGlqaXRoIFNoYWppAAAABZADAAIAAAAUAAAQqJAEAAIAAAAUAAAQvJKRAAIAAAADNjcAAJKSAAIAAAADNjcAAOocAAcAAAgMAAAInAAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADIwMjE6MDU6MDYgMDI6MDI6MTcAMjAyMTowNTowNiAwMjowMjoxNwAAAEEAYgBoAGkAagBpAHQAaAAgAFMAaABhAGoAaQAAAP/hCyFodHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLjAvADw/eHBhY2tldCBiZWdpbj0n77u/JyBpZD0nVzVNME1wQ2VoaUh6cmVTek5UY3prYzlkJz8+DQo8eDp4bXBtZXRhIHhtbG5zOng9ImFkb2JlOm5zOm1ldGEvIj48cmRmOlJERiB4bWxuczpyZGY9Imh0dHA6Ly93d3cudzMub3JnLzE5OTkvMDIvMjItcmRmLXN5bnRheC1ucyMiPjxyZGY6RGVzY3JpcHRpb24gcmRmOmFib3V0PSJ1dWlkOmZhZjViZGQ1LWJhM2QtMTFkYS1hZDMxLWQzM2Q3NTE4MmYxYiIgeG1sbnM6ZGM9Imh0dHA6Ly9wdXJsLm9yZy9kYy9lbGVtZW50cy8xLjEvIi8+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczp4bXA9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8iPjx4bXA6Q3JlYXRlRGF0ZT4yMDIxLTA1LTA2VDAyOjAyOjE3LjY3NDwveG1wOkNyZWF0ZURhdGU+PC9yZGY6RGVzY3JpcHRpb24+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iPjxkYzpjcmVhdG9yPjxyZGY6U2VxIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpsaT5BYmhpaml0aCBTaGFqaTwvcmRmOmxpPjwvcmRmOlNlcT4NCgkJCTwvZGM6Y3JlYXRvcj48L3JkZjpEZXNjcmlwdGlvbj48L3JkZjpSREY+PC94OnhtcG1ldGE+DQogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgIDw/eHBhY2tldCBlbmQ9J3cnPz7/2wBDAAcFBQYFBAcGBQYIBwcIChELCgkJChUPEAwRGBUaGRgVGBcbHichGx0lHRcYIi4iJSgpKywrGiAvMy8qMicqKyr/2wBDAQcICAoJChQLCxQqHBgcKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKir/wAARCAErAn4DASIAAhEBAxEB/8QAHwAAAQUBAQEBAQEAAAAAAAAAAAECAwQFBgcICQoL/8QAtRAAAgEDAwIEAwUFBAQAAAF9AQIDAAQRBRIhMUEGE1FhByJxFDKBkaEII0KxwRVS0fAkM2JyggkKFhcYGRolJicoKSo0NTY3ODk6Q0RFRkdISUpTVFVWV1hZWmNkZWZnaGlqc3R1dnd4eXqDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uHi4+Tl5ufo6erx8vP09fb3+Pn6/8QAHwEAAwEBAQEBAQEBAQAAAAAAAAECAwQFBgcICQoL/8QAtREAAgECBAQDBAcFBAQAAQJ3AAECAxEEBSExBhJBUQdhcRMiMoEIFEKRobHBCSMzUvAVYnLRChYkNOEl8RcYGRomJygpKjU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6goOEhYaHiImKkpOUlZaXmJmaoqOkpaanqKmqsrO0tba3uLm6wsPExcbHyMnK0tPU1dbX2Nna4uPk5ebn6Onq8vP09fb3+Pn6/9oADAMBAAIRAxEAPwD3WiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAoorG8UeK9J8HaONT1+doLUyrFvWNnO45wMAE9jQBs0VzOr/ELw3ofhWx8RajfFNN1DZ9nlWJmL71LD5QMjgHOelbunX9vqul2mo2Tl7a7hSeFipBZGUMpweRwRQBZooooAKKybTxLpl94l1DQbaZm1DTkje5jMZAUOAV+boeD2rWoAKKKKACisrxD4k0zwvYRXmszNDDNOlujLGXy7dBgfTrV69u4bCwuLy6YrDbxNLIwGcKoyTj6CgCeiqGi6zZeINFttV0uRpbS6TfE7IVJGcdDyOlX6ACiud1Lxzoel+KrTw7cTzPqd0FZYYbd5Nis21WcqMKM9z0710VABRRRQAUVT1PVrDRbI3mq3cVpbhgvmStgFj0A9SfQc1Wn8Sabb+KLbw9LMw1K6ga4ij8skFFJBO7oOh4oA1aKKKACiiigAorKtvEmmXfie88PwTM2o2UKTTxmMgKjYwd3Q9a1aACiqdpq1hfXt3Z2V3FPcWTKtzHG24xMc4Deh46dauUAFFFFABUUFzBdRmS1mjmQMyFo3DAMpKsMjuCCCOxFcDruuazban4jubTXfJj0WS28jThBEyz+YqEo5I3ncSVXaVIYnk8AVtEu7+Y2uj2eqyaRFPcavdPcwxxNIxjvCAg8xWUD94WPGeBgjmlfS/wDXcdj0yivO/Al5d6z4um1i9vZPMvNBsJnt0VBESxm5X5d+MgkfN/Gc54Au+JtQ1T/hJr2zs/EP9j29poxvwBDE+5w7jLF1P7sADcBg9MMvOXL3XZ+f4X/yBK7+78bf5nb1FBcwXUZktZo5kDMhaNwwDKSrDI7gggjsRXnMXinXLu3l1l782Ztb2wtTpHkx7JROsBfcSpk3EzNtwwA2DIPOZLXWNf1nUbSyj1uayR11V5JYIIS5EF0scQG9GAwpweORnvzTa5d/60v+Qlqro9Hory7w5qGo3d/qOvS6vFFeT+FrG523QjjtUkZZjuYhdwQMCfvfxt1+UDoPCd9qN9JqGmanqOqJewxwTYvIbTzY1fd8yvBmNkYoQAV3DBz1GG42bXYHp/Xkn+p2NTaV/wAhK7/64xfzkqGptK/5CV3/ANcYv5yVIGtRRRQAUUUUAFFFFABRXnvxO07UZpNFvv7Yki0631jTwNPhiCiaQ3SAtK5JLKAeFAUA8ndgYr+NLe31H4i21ve6J/wldvDpLudGUI32d2kwLgiUrFyAUB3bxg7QRuIXS/m19yuO2v3fi7HpVUNa/wCQYf8ArtD/AOjFri9Gs9S1r4OWFvYeJZLZvIkS6vIEaSfYpcGJHlAZHXAQuylvlPAPIveETn4NeGCev9n2H/tOrtq/K343/wAib6Lz/wCB/mbNFFFSMKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigArzf43Qx3HhLSIZlDxya5aI6nuCWBFekVm61oGm+IbWC31i2+0RQXCXMa+YybZE5VsqRnHp0oA+Yr83GpaLJ4Nug7L4Kt9UlnLj/WYbZCfwL8e1bWj634h1y3msra68RQRaHodgtlHo1xFDHGxtlbzLje67lJHuMZ6cZ9yl8A+GZrzWLqTS1M+txeVqDiaQecnpw3y9P4cZqjqPwp8Gar9l+16PzbWyWiGK4ljLQoAqo5VgXAAAy2Tx1oA4Gyv/E/irx94d0fV9cv9JW68NC4vo9NuFXzJFmkXerLkKWwpyvbgYrmjq/iiD4R3Hi1vF2sSXuj6r9jt4jP+6kjDgfvRjMhJbqxPAAr3u38JaHaa3a6ta6ekN7Z2QsIHjdlWOAEkIEB24yTzjPvVJ/h34WfwzceHm0vOl3NwbmW3+0S/NISDu3btw5A4BxQB50NEfxB+0D4zsV1/UNHX7FayH+zphDLIREgB34J2rnJAxnIzXN2XjzxRruleFNEuL7VZVurq8jnu9JdI7u9SEAoEdioHXk5yQO56+x618MfCPiHU7vUdV0nzb28CCa4W4lRiFXaANrDaNvBAxnvmpr74d+FdQ8PWeiXGkRLY2BzaJE7RtAe5V1IbJPJ55PXNAHkGq+IfGlh4MNmNS1C0lj8TQWlld3VxHJdGF0k/dzFGIJUqM5610njbR/E2gWuh6Zoet61rVv5s8t7AurLDqNwCAV2ORkquGO1R/iO4h+G/hODRbfSo9JUWlveLfIomk3GdcgSM27cx57kirviTwdofixLca5ZedJasWt5o5XikiJ67XQgjoOM44oA8P8AEOtHWPhKLJdR1iS+sfEcEMi6zGpuLUndtVj/AB455PJ5yAMCuoubjWPCXxG1rQ4fEWq6jaT+F5tRU39x5jQzqWUMhwNv3ScDA59hXdx/DbwnFoS6OmkqLJboXhXzpNzzDo7Pu3MfqTWhe+E9F1HWpNXvLLzL6SxbT3l81xm3YklMA46secZ96APHZfEOvXuhfCyEeJL2xfWmnivbpZfnl5QDOcgtyQCQcEg113gO71LSfif4j8IT6ze6zp9nbw3UE1/L5s0LMBlC/fO7OPb61J4o+F1tqeoeDrLTrG3/AOEf0Vrhbm2mlYny3VcBScknIJznI4rrfDPg3QvCENxH4fsRbG5ffPI0jSPIR0yzEk4yeM9z60Aee2GgM/7S2qS/2xqa+Vp0d3tWdcODIP3J+XmIdl6+9YP/AAl+tp+zhrWrPrN0NUTUzDDdGY+Yo89PlB6/d3fhmvaovD+mQ+JJtfjtsanPbi2kn8xvmjByF252jnvjNc3cfB/wNdS3j3GhKwvX8yVBcSqoYnJZVDAITjquOMjoSKAOW8vWfFfxU1zQm8TatpthBpVtOiWM/lsJCi87sZAyxJAxk4zXOaH4v8ReKPD/AIA0O9128sV1me7S81K3k2TyiEnYgkxwx4GepyPfPttp4a0mx1651q1tPL1C6gS3mm8xzujQAKNpOBjA5AzWTJ8MvCMvheDw8+jr/ZttKZYI/Ok3ROTkssm7cOT60AeU/ErSHtfBr2DeOLzXPsOuQxiF5Vaa1D5wszZJdhtypIXHzde3Q+MNf1jwb43srTT9Rvb6Gy8M3Vz5dzLv+0Sxh9skmAAx4BJwOldovwx8IL4Wn8PLo6DTriUTSr5rl3kHRzJndn8fbpV228E+H7S9sLuLT8z6faGyt3kmkfbCc5UgsQ2cnk5NAHkcl9r3hvwd4W8cQ+MdT1S+1a6gW60+4nD20olyWjjjx8hXGOO4PSprt9e1tPiVdnxVrFmvh64mlsYbS48tQVRn2scZK4QDbkAZJr0XTPhX4M0fW49V0/RI47qFzJDmV2jhY/xIhYqp+g4xxitSPwdoUUOtRR2OE14udRHnP+/3KVb+L5cgn7uKAGeBtTudZ8A6HqN+/mXVzYxSTPjG5ioyfxPNeH6ZqHiK7+Dd742fxxqy6lpN0yQ24uB5JAkUbJUI+cndxkkYwMV9CaXplpo2lW2m6bF5NpaxiKGPcW2qBgDJJJ/E15l4H+Cmj2Xh61XxjpVvdanBcPITHO5jkG4lN6ghXxnuD6dKAMi28Q3ll4/8aeIYbcG8j8LW94sOCQr+UrYI9Af0FU5L7XvDfg7wt44h8Y6nql9q11At1p9xOHtpRLktHHHj5CuMcdwelezReGtIh1681qOzX7ffQrb3EpdiJI1GAu0naOnYViaZ8K/Bmj63Hqun6JHHdQuZIcyu0cLH+JELFVP0HGOMUAeTafpes2M/xKn8O+I7q31G3v1t4mvLyONJtzZZmZgB5m0EK2RjJ+o6r4a63dWvjiTRNbl8UWV5cWfmJp2uTi6jcqfmkjmwD0B4xjr7AdnefDLwjf6vqGpXmjpNcakmy73Svsk6c7d2A3AOQMgjPWrHh7wB4b8L3732j2DJdvH5Xnz3EkzrHnOxS7HaPYUAdJRRRQAUUUUAFFFFABRRRQAUUUUAFTaV/wAhK7/64xfzkqGmwzXFpeSywwxyrJGikPKUIKlj/dP96gDeorJ/tW8/58oP/Ak//EUf2ref8+UH/gSf/iKANaisn+1bz/nyg/8AAk//ABFH9q3n/PlB/wCBJ/8AiKANaisn+1bz/nyg/wDAk/8AxFH9q3n/AD5Qf+BJ/wDiKAE8SaF/wkOn21r9p+z+RfW15u8vfu8mVZNuMjrtxntnODVHVPDOoP4mbXvDmqwadezWotLlbuzNzFKisWRtqyRlWUs3O4ghuR0NX/7VvP8Anyg/8CT/APEUf2ref8+UH/gSf/iKOlv62t+Qf1+ozQ/DcOheGP7IgneYt5rzXEigNLLIzO7kDAGWYnA4HSq1ro//AAj3gPTNG8/7R/Z8Vrbeds2eZsZF3bcnGcdMmrn9q3n/AD5Qf+BJ/wDiKgu7u7vIBC9tDGpkRiwnLEBWDdNg9Kd9/P8AT/hw/r7xaKKKQBRRRQAUUUUAFFFFABVPRdG0u70+Sa6020nla6uN0kkCsxxM45JHpVyoPCl/a3um3UdrOkr2t/cwzqpyY381m2n0OGU/QiuXFNqGncqO5b/4R3Rf+gPYf+Aqf4Uf8I7ov/QHsP8AwFT/AAqxa6jZ3txdQ2lxHNJZy+VcKhz5b7Q20++GBx71ZrzuaXcoxX8MaW2qQTLplgIEhkR4/s6/MxZCpxjHAVuff3NWf+Ed0X/oD2H/AICp/hWjRT55dwM7/hHdF/6A9h/4Cp/hR/wjui/9Aew/8BU/wqzNqFpb31tZz3CJc3e/yImPzSbRlsfQGrFLml3Azv8AhHdF/wCgPYf+Aqf4Uf8ACO6L/wBAew/8BU/wrRoo5pdwM7/hHdF/6A9h/wCAqf4Uf8I7ov8A0B7D/wABU/wrRqvBqFpc31zZwXCSXFpt8+JT80e4ZXP1HNHNLuBm6j4Y0u40u6htNMsIp5IXSKT7Oq7GKkA5AyMHuKs/8I7ov/QHsP8AwFT/AArRop88u4Gd/wAI7ov/AEB7D/wFT/Cj/hHdF/6A9h/4Cp/hWjRS5pdwM7/hHdF/6A9h/wCAqf4Uf8I7ov8A0B7D/wABU/wrRoo5pdwM7/hHdF/6A9h/4Cp/hR/wjui/9Aew/wDAVP8ACtGijml3Azv+Ed0X/oD2H/gKn+FVk8MaWuqTzNplgYHhjRI/s6/KwZyxxjHIZefb2FbVFPnl3Azv+Ed0X/oD2H/gKn+FH/CO6L/0B7D/AMBU/wAK0aKXNLuBnf8ACO6L/wBAew/8BU/wo/4R3Rf+gPYf+Aqf4Vo0Uc0u4Gd/wjui/wDQHsP/AAFT/Cj/AIR3Rf8AoD2H/gKn+FaNFHNLuBnf8I7ov/QHsP8AwFT/AAqtfeGNLnt1S20ywjcTROW+zqMqsisw4HdQRjvmtqinzyXUDO/4R3Rf+gPYf+Aqf4Uf8I7ov/QHsP8AwFT/AArRopc0u4Gd/wAI7ov/AEB7D/wFT/Cj/hHdF/6A9h/4Cp/hWjRRzS7gZ3/CO6L/ANAew/8AAVP8KP8AhHdF/wCgPYf+Aqf4VFq/irQ9BlWLV9Tt7WVxkRs2Wx64HOPer9lfWupWaXWn3EdzbyDKSxMGU/iKXO72ubSoVYwVSUWovZ20fzKv/CO6L/0B7D/wFT/Cj/hHdF/6A9h/4Cp/hWjRT5pdzExbXwxpcVxePNplg6SzB4V+zqdi+Wi46cfMrHA9ferP/CO6L/0B7D/wFT/Crd3dwWNpLdXkqwwRLukkc4Cj1NPhmjuII5oXDxyKHRh0YEZBo55dyuV8vNbQo/8ACO6L/wBAew/8BU/wo/4R3Rf+gPYf+Aqf4Vo0Uc0u5Jnf8I7ov/QHsP8AwFT/AAo/4R3Rf+gPYf8AgKn+FaNFHNLuBnf8I7ov/QHsP/AVP8KP+Ed0X/oD2H/gKn+FaNFHNLuBi33hjS57dUttMsI3E0Tlvs6jKrIrMOB3UEY75qz/AMI7ov8A0B7D/wABU/wrRop88u4Gd/wjui/9Aew/8BU/wo/4R3Rf+gPYf+Aqf4Vo0UuaXcDO/wCEd0X/AKA9h/4Cp/hR/wAI7ov/AEB7D/wFT/CtGijml3Azv+Ed0X/oD2H/AICp/hR/wjui/wDQHsP/AAFT/CtGijml3Azv+Ed0X/oD2H/gKn+FVrHwxpcFuyXOmWEjmaVw32dThWkZlHI7KQMdsVtUU+eXcDO/4R3Rf+gPYf8AgKn+FH/CO6L/ANAew/8AAVP8K0aKXNLuBnf8I7ov/QHsP/AVP8KP+Ed0X/oD2H/gKn+FWf7QtP7U/s77Qn2zyfP8jPzeXu27semeKq3fiLSLG5nt7zUIIZrdYmmR2wUEr7Iyf95uB707yAX/AIR3Rf8AoD2H/gKn+FH/AAjui/8AQHsP/AVP8K0ari/tW1N9OE6G8SFZ2hz8wjYlQ2PQlWH4UuaXcCt/wjui/wDQHsP/AAFT/Cq114Y0uW4s3h0ywRIpi8y/Z1G9fLdcdOfmZTg+ntWjp2pWer2K3mm3MdzbuzKskZyCVYqw+oIIP0osNRs9Ut2n0+4juIVkeIyRnI3IxVhn2II/CnzSQFf/AIR3Rf8AoD2H/gKn+FH/AAjui/8AQHsP/AVP8K0aKXNLuBnf8I7ov/QHsP8AwFT/AAo/4R3Rf+gPYf8AgKn+FaNV/wC0LT+1P7O+0J9s8nz/ACM/N5e7bux6Z4o5pdwK3/CO6L/0B7D/AMBU/wAKP+Ed0X/oD2H/AICp/hSXfiLSLG5nt7zUIIZrdYmmR2wUEr7Iyf8Aebge9aVPml3Azv8AhHdF/wCgPYf+Aqf4Uf8ACO6L/wBAew/8BU/wqyL+1bU304TobxIVnaHPzCNiVDY9CVYfhVilzS7gc3of/Ivad/16xf8AoAq/VDQ/+Re07/r1i/8AQBV+vbMwooooAKKKKACiiigArgLPUrfwH4q1PVb1imma1bXd1J7XNpJJkD3eEj6+VXf1mxeG9J8S6BBBrlmt3FbalPcxKzMu2RZ5MHgjPBIweCDgg1zYhpQ1GjjLufW/CXgrw7ZQx3i6v4k1N59UksVjNwryI80iR+aQgbgICeirwCcVBfeI/Ftj4Z8RQRSalZNbz6edOudWFs1zH51ysciOImYMvoSASGYdhXqOtaHp3iHTxZ6vb+fCsiyph2R43U5V0dSGVh2IINZ0HgXw/Bpt1ZG0lnS8minuZbi6llmneJlaMtKzFztKjAzjtjBNcKnHqizmdQ1y++HGrTLrGrXusadc6VLPaPebDIbqFixiBRVHzrIuBj/lma7Xw5b6ja+GtPi1y5NzqSwKbqUgDdKRlsY4wCSB7AVkeKvDV14n1zQ47iCy/sjTbxNQkleVjO8qBwqKmzaFyVJYtyMjb3rVurjX0unWy0zTZoAfkebUZI2b6qIGA/M1Ls0u4GF4k/5Kl4K/3b//ANFLU3jTUL+O/wDD2jabetp39s37QTXkaqXjjSGSUqm4EBm2BQSDjJ4zU+o+FbXxbHbS+LtOSO5s3f7MbDU5xsDAAnegiOTjGMEcdeaVPAHh1NHfTDa3Mts863A86/nkkjlX7rpIzl0I9VI7+tO8dLgcdq2ua74b1DW7JNYuNQtdCNhqrTTqhl+zPI6zwSMqgEBEZ1OM+5xVCbx1r8moa9awXuP7ckWHw2Qi/udt0bSRxxyB8s2T2Nek2HhHRdO02+soLV5I9RUreyXM8k0tyCu075HYs3y8deO2KZB4K8PWzaGYdNRToCOmmku5+zhl2t1PzZAHLZ55680+ePYDcUbUC5LYGMnqa4/wz/yU7xv/AL1j/wCiK7GuZ1T4eeHNY1i41S9trsXlyFE0lvqVzAH2jauVjkUcD2qIta3AoXr6l4i+IWo6HFrV3pFlplhbzhbLyxJcSTNINxZ1b5VEeMDqTz6Vy0HxA1nS9NtdX1e6F3AbbU7A7Iwq3F3ayMYpFAHWRI5BgcZHFd7deBdAu1tPNt7pJLO3+zRTw6hcRTeV12NKjh3XPOGJ55qa58G+H7vRLDSJ9LhOn6dNHPa26kqsUiHKtwRnknOc5yc5zVqUQOK8HeIfEF/q2j+GtU1AzalpM962tzKqjzkjwsIPHG7z424/55mvUKzrTw/pdhr2oa1aWix6jqSxrdz7iTKIxtTgnAwOOAM8ZzgVo1Emm9ACiiioGFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQB5r4SjE2s+Mri4sYNQ12O/dUgnYKWi6IoZgcL747Csu18UPZ6LJp3h3TYvDs1zry2E8qT/aUiZ/vuuQFHTAA4wOK9B1nwT4e8QXgu9V01JrjbtMqSPGzDpglCM8etOTwb4eTQX0ZNKgFhIdzRYOWb+9uzuz75zWPJLofULNMFJ89SMm3y6dFyq381pLqk4rtc5V/EGseFdb1rS7i+fW47XSG1GGSZFDxMDjY23GQev0xVe31bX9Jt/C2sXOvNqa65cRRXFk0SBVEozlMDI29PrXbaR4V0XQkuF0ywSP7SMTM7tK0gxjBLkkj26VW03wL4b0jUUvtP0xIriPPlsZHcR567VYkL+AFPll3M/wC0MDaV4dF9mPve6139zXW8b/ecFrF9rHiDwt4v1OfWXtreyuZbJNP8tPLKLgfMSN247uDnqPTivTPDv/Ir6X/15w/+gCs+/wDAXhnU764vL3S1kmuf9cRK6q5xjJUMBn3xnvW7b28VpaxW9uuyKFBGi5JwoGAMn2qoxad2cuPx2Hr0I0qKtZ3tZJLRK109dVu9SSiiirPFCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooA871wa6fjRF/wjR04T/wDCP/vP7QDldv2jts5znFctqeo+I9J8Y+KLvUZ7KHUltNHQSWCtsEb3pQjD5OSGYfjXsP8AZNl/bn9seT/p/wBm+y+dvb/Vbt23Gcdec4zVG/8ACGh6pe3V3fWPmz3iQJO/nOu8QyeZEMBgBh+eOvQ5FbKaW4jkb681rWJfGV/B4hudIHh+RoLO2hWMx/JbpKZJQyksGL46jAHHPNZ+lWmo+JPHljM2t3lg0vg+xmuZbQRiWZ2klI5ZWAGSxIAGTjtkHR8X+AdR8Qanq80WmaNP9thWKC6lvri2dBs2/voo1KT7TkruI4wOMZrsNH8NWGjm1miQveQafDpxuCxG+KLJUbc4HLMemeetPmSWgjyLwV4r1Pw54Q12G4cXGo6ipvtKO0L59xLMbZhgcf68I5AGB5tdBq73/hKTwp4I0NdVe2WwlmuZNJEP2m4aMoDgzMFALSF2Iy3IxgZrtU8DeHI30l10xd2jSSSWBMrnyWkO5zy3zZPOGzggYxgVa1zw1pniJbf+04ZPNtXL29xbzvBNCxGCUkjIYZHUZwe9DqRbvYZ5udc8W3Ok6Zpst9faXPL4nGnC7nW3N09o1vJJiQIWQSDGM4/hUkcmrup+INa8KvrvhttSnv8AUbqK2OgXN0EMjNMRA27aoU+XIPMPHRvSu0tPBug2VrZ29vY7Usrw38TNNIzm4KspkdyxZ2IdhlievsKpX3hq61f4jaZrWowWSWOixTfYmSVnnlklVAS6lAqKoDYAZsnB4xijmi3sB0tvG0NtFE8rTMiBTI/3nIHU47mvP9cGun40Rf8ACNHThP8A8I/+8/tAOV2/aO2znOcV1stz4kEziHSdKeMMdjPqkikjsSPs5wfbJqSz0tH1JNav7OGDV/sxtXaC4eVBFv3BQSFB5wc7Qe3Ss0+XUDyXU9R8R6T4x8UXeoz2UOpLaaOgksFbYI3vShGHyckMw/GulvrzWtYl8ZX8HiG50geH5Ggs7aFYzH8lukpklDKSwYvjqMAcc8111/4Q0PVL26u76x82e8SBJ38513iGTzIhgMAMPzx16HIrkvF/gHUfEGp6vNFpmjT/AG2FYoLqW+uLZ0Gzb++ijUpPtOSu4jjA4xmtFKL/AK9BGdpVpqPiTx5YzNrd5YNL4PsZrmW0EYlmdpJSOWVgBksSABk47ZB7T4e6re614C0291Wb7RdsrpLNsC+YUkZNxA4BO3JxV3R/DVho5tZokL3kGnw6cbgsRviiyVG3OByzHpnnrVvStKstE02LT9Lh8i1iLFI97NjcxY8sSepJqJSTVhmPof8AyL2nf9esX/oAq/VDQ/8AkXtO/wCvWL/0AVfr2TMKKKKACiiigArI8Qy3sOnmSzlSFFKl2wS5+YDA7Dr1rXqrqNn9vsJLbf5e/HzYzjBB6fhQBarjLX4kx6ILm0u/CXiqSC3vLoNf22mebbkCZyWDKxO33xXZ0vh3/kEt/wBfVz/6PeubEtKCv3KjuVfDPjjw34xt2l8OatBeFfvxAlJU+sbAMPrjFb1cr4p+HWg+KpPtk0L2GsRjNvq1i5huYWHQ7l+8B6NkfzrmtM8X674C1SHQ/idOk+nTuIdO8ShAqTNnhJwMiNsY+Y8cEknk15/KpfCUen0UAggEHIPQiisxhRRRQAUUUUAFY/iPxZoPhKx+1+I9Ut9PhOdvmt8z46hVGWY+wBrkfEHjfWNf1u48L/DBYJ723OzUNal+a207P8I4Ikl/2ecEEEcHGn4X+GGieH73+1r8y67r7ndLq2pHzJS3+wDxGB2A5A4ya05UtZCKifFmC5kU6V4N8YajbOgkiu4NJ2QyqRkMpkZSQRyOO9Nf4vWNkzPrnhXxZo1pGAZb290o+REM4yzxs2BXoFBAIIIyD1BovHsBmaF4k0XxPY/a/D+p22oQDhmgkDFD6MOqnjocVp1wviL4V6XqGpR634Zmbwzr8J3JfaegVZD1xLHwsgPfPJHBOKh8MePr6212Lwl8Q7eLTvEDLm2uoifsupD1jJ6Pzgp6jjGQKOVNXiB6BRRRWYwooooAKKKKACiiigAooooAKKKKACiiigCtqOo2uk6bPf6hMIba3QvI57D+p9u9eEWPxSmv9Ms5YtK1O9uWto3up/7VuYw8pUFmEcbbUBbdgDjHQDpW78TdQu/FnjjT/BWlSYjWRTOQM/vCMkn1CJk49z6Cu30j4a+H9E0yGy09tVgijUAiHWLuIMQMbtqSgAn2FQpOTaTsfRxw+Fy6hTrYun7SdRNqN2rLSz076nn2lfGvxBJo9k83h77TI1uhebLDzDtGWwFwM9eOKtf8Lo1z/oVv/Hn/APia9dsrODTrC3srNPLt7aJYokyTtRRgDJ5PA71NScZN6SJjmWWqKTwaf/b8jxz/AIXRrn/Qrf8Ajz//ABNH/C6Nc/6Fb/x5/wD4mvY6KXJP+Yr+08s/6Al/4HI8c/4XRrn/AEK3/jz/APxNH/C6Nc/6Fb/x5/8A4mvY6KOSf8wf2nln/QEv/A5Hjn/C6Nc/6Fb/AMef/wCJo/4XRrn/AEK3/jz/APxNex0Uck/5g/tPLP8AoCX/AIHI8c/4XRrn/Qrf+PP/APE1iQfFPULgS3mraLfODcSh3i1O5t1VRIyqoVCFGAAucckZPJNe/Vz83gjRpmn3NqaLcSPLJFFrF3HGWdizYRZQoyzE4AxzVKMkviJ/tLLXJN4NW/xyKHw18VweK/CzTpcNLPBdTxvHI2ZIkEziJWPVv3YUbjkkgkknNdfXhV5py/B74jWk+mGVdEvclo2cudhb94pJOWKk7gT6j3r3RWV0DIQysMgg5BFOMuZs5MywMcMqdak706iuvJ9V8mLRRRVHkhRRRQAUUUUAFFFFABRRRQAUUUUAFFFcr418e2XhGKG1hgfVNdveLDSLbmW4b1PXagwSWPGAeuMVSTbshHSXd5bafaSXV/cRW1vEMyTTOERB6ljwK4iX4waBNLMnh3Ttc8TCBgskmi6c88ak9t5wvb1+lUbD4b6h4suItX+LV2upTKwkt9Dt2K2Vn3AIH+tcZILMSOSORivRra1t7K2S3s4I7eCMYSKJAqqPQAcCq92PmBw7/FKSNVaX4f8AjVVPcaWj4/BZCf0rT8NfEvwr4qujZ6Zqax6gv37C7RoJ0PcbGAyfpmuqrn/FXgXw540tfJ8Q6ZFcsoxHOPkli91ccj6dPai8HugOgory06p4o+Fd0q+I7mfxJ4PJCjU2AN5pw9ZgB+8TJ+8OQAT2APplpeW2oWkd1YXEVzbyjMc0Lh0ceoYcGlKNgJqKKKgYUUUUAFFFcN4w+IE1jqn/AAjPguzXW/FMqbjbhv3Vihx+9nYfdHIO3IJyOmRmoxcnZCOr1jW9M8P6e99rd/b2FqnWWeQKM+gz1PsK43/hb+m3RR9A8NeKdetJM+XfadpLGB8HB2u5XPII49DS6F8LbZr+PXPHt43inX8AiS6H+jWh67YIfuqMgckZJGeCTXfKqooVAFVRgADAAqvcXmBzHhuXz/CukymN4jJZQt5cgwy5QHBHqK06oaH/AMi9p3/XrF/6AKv17JmFFFFABRRRQAUUUUAFL4d/5BLf9fVz/wCj3pKXw7/yCW/6+rn/ANHvXJivgXqVHc1Kq6nplnrOmXGn6nbpc2txGY5YpBkMCMf5NWqK84s8x07Wbv4Xazp3hjxDtfwtckwaTrDuxeCQksIJySeMEKjYAAUA5wSPTqztf0HTvE+g3Wj61bi4srpNsiHjvkEHsQQCD2IriPAOuaj4e16T4eeLpWlvbZDJpGoPwNQtgM4/305BHoPbJ0fvq63EekUUUVkMK838S69qHjfxLeeBfCE7WttbALrutRnm1U8+RCehlYAgnkKM9xxa+IfijUDeWvgrwc4/4SPV0JabJxp1t0e4Yggg/wB3398A9L4U8Lab4O8OW2jaRHthhGXkbl55D96Rz3ZjyfyGAAK0Xurme4ibw94e0vwtodvpGh2qWtnAuFRRyx7sx7se5NadFFRe+4wooopAFY3irwtpnjDQZdK1mHdE+GjlTiSCQfdkRv4WHr9QeCRWzRTTad0I4Dwr4r1LSfEaeB/HJT+01iDaZqSA+XqkKjBY5J2zDBLKe/I4Iz39c5438G2fjXw+1jcO1rdxMJbK+jH7y0mHKup6/UZ5H51mfDrxlda5Bd6D4lRLbxRorCG/hB4mH8M6eqsOeOhPbIq2lJcyA7aiiisxhRRRQAUUUUAFFFFABRRRQAVV1TUItJ0m71C5P7q1haVucZCjOKtV518atXNh4KSxjOH1CcI3P8C/Mf1Cj8amUuWLZ3ZfhXjMXTofzNfd1/AxPgvpr6nqmr+KdQHmTvKYo5Cc/O3zyHH0K8+5r2Cud8BaOuh+BtMtRHskaBZpgeu9xuOfpnH4V0VKnHlikdOdYtYvHVKkfhTsvRaL/MKKKKs8gKKKKACiiigAooooAKKKKAOM+KmgLrngW6dELXFiPtMRHX5fvD/vnP4gUnwo1v8AtnwDapI5aexJtZMkZwv3fw2kD8DXZSRrLG0cihkcFWUjgg9q8d+F7v4b+JOueGZSRE5fygw5Yxt8p/FGJ/Kspe7NPufSYT/a8prYd70mpr02l/meyUUUVqfNhRRRQAUUUUAFFFFABRRRQAUUVjeLPFGneDfDV1rWrybYLdfljXG+Zz91FHdieP16A00m3ZCM7x540/4RPTIYtOtv7S17UJPI0zTUYb5pCD8xGciNcZZug4GRnNQeCfBDaJdXuv6/JHfeJtVfzLu5AJWAdoId2SsajjrzgZ6Cs/4e+FL+S+n8ceNIs+JNTTEcDEldNtjysCg9D/ePXJI9c+g1cmorlQBRRRWYwooooAbJGk0TxTIskbqVZGGQwPUEdxXlM9pc/BbVJdQ05JLrwPfThry2G530hzxvjGf9USRkYOMCvWKjuLeG7tZLe6iSaGVSkkbrlXU8EEdxVxlb0EJa3UF7aRXVnMk8EyB45Y2DK6kZBBHUVLXlWhSTfCfxlH4XvWc+EtZnc6LcO2RYzE7jbMTztOTtJ/X5jXqtEo2YBRRXKfEDxp/wh+jwCxtf7Q1rUpha6XYA48+Y+p7Kuck8emRnNJJt2QFTxd43vLXXrbwp4LgttQ8S3GJJFuMmCxg4zLMVII46KDk5HqAdLwR4I07wPorWliz3N3cP519qE5zNeSnku5PPUnAzxnuSSanw88E/8IjpMtxqc327xBqb/aNUv2A3SynnaD/cXOAOnU4GcV19VJpe7EAooorMZzeh/wDIvad/16xf+gCr9UND/wCRe07/AK9Yv/QBV+vdMgooooAKKKKACiiigApfDv8AyCW/6+rn/wBHvSUvh3/kEt/19XP/AKPeuTFfAvUqO5qUUUV5pYVyfxC8G/8ACXaAPsDi11ywcXOl3wYq0EynI5H8LY2kHI5zjIFdZRVJtO6Ecv4A8Yf8Jh4dM13B9j1aykNrqdk3DQTr94Y9D1B/DPBq1408WWngvwvcaxeo0zJiO3t4xl7iZuEjX3J/IZPauP8AHEMngDxhB8QtNhkk0+422niG3jPWI4WO4A/vIcA+o4yBk1DoA/4Wj8Qz4qnG/wAMeH5Gh0VTnbd3I+/c47hein8eCCK05V8XT+tAN/4deE7vSLa81/xJtl8Ta6/2i/YEkW4/gt0ySQiDAxk8jqQBXa0UVnJuTuwCiiipGFFFFABRRRQAV5/8SPDd+tzZ+NfCUefEGij5oVH/AB/W2cvAcde5X3+uR6BRVRk4u4jK8M+IrHxZ4bsta0p99tdxBwD1Q90b3ByD9K1a8rB/4VX8TFjUeX4T8VT/ACjotlqBwPwWQD8/QLz6pTlGzutgCiiioGFFFFABRRRQAUUUUAFeMfEsf8JN8VtF8OoxMUQRZBz8pc7n6f7AWvZ68b8Ff8VD8ctZ1f70Vr5pjfOc8iJfzXP5VlU1tHufSZB+5lXxf/PuDt/iei/U9kAwMDgUUUVqfNhRRRQAUUUUAFFFFABRRRQAUUUUAFeNePGPhf4zaPrq4jhuRGZn9QD5cnT/AGCK9lry/wCOmnCfwvY6gq5e1uthOOiupz+qrWdX4b9j6Dh2pFY9Up/DUTi/mv8AOx6hRWV4X1Iax4U0y/DbjPbIzn/axhv1BrVrRO6ueFVpypVJU5bp2+4KKKKCAooooAKKKKACiiigBGZUUs5CqoySTgAV5Zo8H/C1/HY8SXau/hLQZimjxNwl/cqcPckd1UjavuP94Vc+JOq3mvavZfDnw5O8V7qqGbVLqI82ViDhz/vPnaPr7g13uk6VZ6Ho9rpemQrBaWkSxQxjsoGPxPqe5rVe5G/ViLdFFFZDCiiigAooooAKKKKAMfxV4Y07xh4cutG1iPfb3C8Mpw0Tj7rqfUHkVzXw18SX7/bPB3it/wDiotDwjSMf+P2348u4H1BAPXB6nJIHe15/8TtBvUjtPGfhiPOvaCTJ5aD/AI/LbI82FvXgZHpzjk1pF391iO21TU7PRtKudS1Odbe0tYzLNK54VQP88d68/wDh7pV34o1yX4k+Jbdobq9j8rRbN/8Alys+ze7yZLE+h4wDgY0muW/xx17TdK0kP/wiunpFf6yzjAuJiA0dr77Tkv24I4IGfYlVUUKgCqowABgAU37it1YC0UUVkMKKKKAOb0P/AJF7Tv8Ar1i/9AFX6oaH/wAi9p3/AF6xf+gCr9e6ZBRRRQAUUUUAFFFFABS+Hf8AkEt/19XP/o96Sl8O/wDIJb/r6uf/AEe9cmK+BepUdzUooorzSwooqhrmtWXh3QrzV9Vl8mzs4jLK/fA7AdyTwB3JAp7gcX8UdTvNU+x+ANAK/wBpeIUZbqXqLSxHEsh+oygz1JPfFVvhs8vgrXLv4banO0kdohu9EuJAAbi1ZiWQ4xl0YnPqMngCrfwt0e8uob3xx4ijK614iIkWNh/x6Wg/1UK+nGGPqSM8irnxM8M3WsaJDrGgjb4h0KT7ZpzggbyCC8TequoIxkDOM1tdL93/AFcXmdrRWN4T8TWfi/wvZ61p/wAsdynzxE5aJwcMh9wQRWzWLTTswCiiikMKKKKACiiigAooooAx/Fnhqy8X+F73RNSXMV1GQrj70T9VdfQg4NYHwz8SXupabeaB4kdT4i0Cb7Le8nM6f8s5xnqHXv6gnjNdvXm3xKtbjwtren/EfR7cyvpqm21iCPObmyY8n3aM/MM/j0xWkfeXKI9JoqGyvLfUbGC9spVmtriNZYpF6OrDII/CpqgYUUUUgCiiigAooooAo65fjSvD+oX5YL9mtpJQT6hSR+tebfAnTdmjapqjjLTzrApPoi7j+Zf9K6L4t3/2H4cXyhsPdNHAvvlgT/46rVL8K7EWPw30wbQHnDzMR33Ocf8AjuKyetReR9JR/cZHUn1qTUflFX/M7CiiitT5sKKKKACiiigAooooAKKKKACiiigArm/iHpw1T4f6vARlktzMuBzmP5//AGXFdJUdxCtzaywSfclQo30IxSaurG+GrOhXhVX2Wn9zOE+DGoG8+H6W7HmyuJIR9Dhx/wChn8q7+vHvghM9lqmv6PNnfGUbB4wVZlbj8V/KvYaik7wR6vEFFUszqpbN3/8AAlf9QooorQ8MKKKKACiiigArH8V+JrDwf4Wvtd1VsW9nGW2j70jdFQe7EgD688VsV5hdBviT8Vls1YP4a8Iyh7gDlbvUeyHsREOT6NkHOeLik3rsI1/hl4ZvdM0+88Q+JFY+I/EMgur7f1gXGI4B6BFwMevHYV3FFFKTcndgFFFFSMKKKKACiiigAooooAK5L4jeLpvCvhxRpUX2nXNTlFnpVsOTJO3RiP7q/eJPHQZGa6x3WKNnkZURQSzMcAAdya8y8EJ/wsDxtd/EC+ib+zbIvY+HY36eWMiW4x6u2QDxgAg54NaRS3eyEZngzTrv4Q+LrTw9q1819pfifEkd5J/BqQUCVSfSTA255JAHYk+w1geN/Clt408JXej3J8uRwJLafvBMvKOPoevqCR3rN+Gniq58R+G3ttaTydf0iU2WqQEjIlXgOP8AZcDIPQ844FOXvrm6gdjRRRWQwooooA5vQ/8AkXtO/wCvWL/0AVfqhof/ACL2nf8AXrF/6AKv17pkFFFFABRRRQAUUUUAFL4d/wCQS3/X1c/+j3pKXw7/AMglv+vq5/8AR71yYr4F6lR3NSiiivNLCvMvFDn4hfEW38F258zQdH2XuvkcrNJnMNq3ryN7DkEAdCtdT4/8WL4N8H3OppH5965FvY2wBJnuH4jQAcnnkj0BqH4deEpPCPhRINQm+1aveyNeanck5Mty/L89wOg+me9aR91c33COqooorMZ5hGzfDr4uPFIzL4d8YzNJGSxK22o9WHsJBz7n2Fen1geNvCtv4z8I3mj3DeW8ih7ecdYJl5Rx9DjPqMjvWf8ADXxVceJPDLQawvk67pMpsdUhJ5Eycb/owG4HpycdK0l70eYR19FFFZjCiiigAooooAKKKKACmTQx3NvJBcRrJFKpR0YZDKRggj0xT6KYHmXw+nfwT4svvhxqDsbZQb3QZXbPmWzEl4sk5yjZ98ZPpXptcT8T/DNzq+hw61oKY8RaDJ9t01wcbyCC8R9VdQRjgE4zxW74S8TWfjDwrY65p3yxXUeTGTkxuDhkPuGBFXL3lzCNmiiisxhRRRQAUUUUAeT/AB3vCNK0jTkyWmuHm2jn7qhR/wChmvTNIsRpmiWNguALW3jh46fKoH9K8o+I3/E3+MPh7ShkpH5O8em6Qlv/AB0CvY6yhrOTPo8y/dZZhKPdSk/m9PwCiiitT5wKKKKACiiigAooooAKKKKACiiigAooooA8b0MjQv2iNQtBlY74yeoB3qJf5jFeyV434+/4k/xs0DU1G1JvI8xh3w5Rv/HcV7JWVPS68z6PPP3kMNiP5qaT9Y6MKKKK1PnAooooAKKKRmVFLOQqqMkk4AFAHHfE3xZP4Z8Mrb6OPN17V5RZaXAOS0rcb/ooOSemcA9a0/BPhS28F+EbPRbVzK0Sl7idvvTzNy7n6n8hgdq5DwPu8feOr3x/dJnSrPfp/h1WHVASs1wPdyCoPXGQema9OrSXurl+8QUUUVmMKKKKACiiigAooooAKKKo61rFn4f0O81bVJfKtLKFppW74AzgepPQDuSBT3A4j4oaheazc6f8PtAuPJ1DXctfTJ961sAcSP8AVuUHryOOtd3pmnWuj6Va6bp8QitbSJYYUH8KqMD+VcP8K9Gu7i3vvG/iCNk1nxIwmETZ/wBFtR/qYhnp8uGPrkZ5FehVc9PdXQQV5n43RvAvjux8f2x8vTLvZp/iBecCMnEVwR3KHAOBnGB616ZVbUtOtdX0u507UYVmtbqJoZo26MrDBH60oyswLCOssavGyujAFWU5BB7g0tec/C3UbzSJtQ+H2vSNJf6CA1nO5JN3YscRuM91+6ew4Ar0alKPK7AFFFFSM5vQ/wDkXtO/69Yv/QBV+qGh/wDIvad/16xf+gCr9e6ZBRRRQAUUUUAFFRxXEM5byZY5Npw2xgcH3olnigUNPKkak4BdgBn8aAJKXw7/AMglv+vq5/8AR71HHLHMgeF1kU9GU5FSeHf+QS3/AF9XP/o965MV8C9So7mpRRXC/FHxJeadpNp4d8Ov/wAVD4il+x2QBwYEI/ezn0CL39SD2NefFOTsUZOlBfiT8VZdcZ/N8O+FJGtdPUfcub7/AJaTe4QYAPrgg9c+oVk+FvDll4S8L2Gh6YuLeyhEYYjBkbqzn3ZiSfc1rU5O702AKKKKgYV5h413/D7x5Z+O7Y7NI1Fo9P8AEEQ4UDpDcnA6qTtJPOCAOten1U1XTLTWtJutN1KITWl1E0UsZ/iUjBq4ys9RFpWV1DIQysMgg5BFLXnXwt1S70x7/wAAa9L5mpeHgBazMMG7sicRSAf7Iwpx04HvXotKUeV2AKKKKkYUUUUAFFFFABRRRQAV5hZD/hXHxafTz+78O+L5TNbc4S2vwPnT2Egxj1PA6V6fXPeOvCkPjPwheaRI/kzsBLa3AHzQTqco4+h6+xI71cWk7PZiOhorkvhx4sl8U+GSmpoINb0uU2OqW+4EpOnBbH91sbh25IycZrraTTTswCiiipGFFFFAHjmn51r9o+5nHzR2JfI6gbIvL/D5jn617HXjfweH9qeOfEeskbi2fmP/AE1kLf8AsleyVlS+G/c+j4i9zFQof8+4Rj+F/wBQooorU+cCiiigAooooAKKKKACiiigAooooAKKKKAPI/jxaMLbRdQjJBikkiJ9yFYf+gmvVNPu1v8ATba8j5S4hSVeOzAH+tcR8Z7P7T8PJJsDNrcxy8+5Kf8As9bXw6vDffDvRpickW/lZzn7hKf+y1ktKjPo8V+9yShP+Sco/f7x0tFFFanzgUUUUAFed/FDVL3U59P8AeHpWj1LXsm7nTraWIP72T2LcoM9ckdcV3Gr6raaHo13qmpSiG0s4Wmlc9lUZ49T2A7muI+F2k3d8+o+PdfiaPU/EbB7eFzk2lkP9TF6ZIwxIxnjPOa0hp7zEdzpemWmjaTa6bp0Sw2tpEsUUa/wqowKtUUVAwooopAFFFFABRRRQAUUUUAFeYeLJD8Q/iLbeB7fc+iaRsvvEDKfklb70FsfXJG4j0HqtdZ488XQ+CvCF1qzxfaLjiGztRy1xO3CIAOTk8nHOAarfDnwnN4U8LhNTk+0a1qErXuqXGcmS4flhn0XhR24z3rSPurm+4R1gAAAAwB0AooorMYUUUUAeefFTRb23XT/ABz4ejDat4bLTSxggfarPGZYifoCR174GTXb6Pq1nr2i2mq6XMJrS8iWWJweoI7+hHQjsQRVwgEEEZB6g15h4Rb/AIV58QrrwPcNt0fV99/oLMcCNv8AltbD6feA9D6mtV70bdUI9PooorIZzeh/8i9p3/XrF/6AKv1Q0P8A5F7Tv+vWL/0AVfr3TIKKKKACs/XpJIvD1+8JIdYHII6jjrWhTWVXQo4DKwwQRwRQBkNBDaa7pi2aLGrQSowQYygCkfkcfnT9Ws5L2/s1iktB5Qkcx3C788AAhMjOMnuMZFWLfSLO23+VG/zR+Vl5WYqn91cn5R7CnTaXazxQIyuv2cbYnSVldBjGNwOeg9eaAI9Gn86zdGhiheCZ4nWEYQkHqB71Z8Ope/Z2b7Rb/ZftVz+68hvM/wBc/wDHvx15+70496dbW0NpbrDboEjXoM59yc9z71N4d/5BLf8AX1c/+j3rlxXwfMqO5oXFxDa20txdSpDBCheSWRgqooGSxJ4AA5zXnHw3tLnxXr1/8SNaiZPt6/ZtEt5BzbWSn7+OzSH5j7dDhsU34gSy+OPFln8OdOd1tCFvfEE8ZI8u3BBSEEdGkP5AA8jNek28EVrbRW9tGsUMSBI40GFRQMAAdgBXB8MfN/kUSUUUVmMKKKKACiiigDz74oaRf2w0/wAb+HIlk1bw7vklhGAbu0IzLET9BuXrg5wMmu00bV7LX9FtNV0uYTWl3EJYnHcH19COhHYirpAIIIyD1BrzDwxj4bfEOfwfNuj0HXHa70Nyfkgmxma29sn5lHTtyTWi96NuqEen0UUVmMKKKKACiiigAooooAKKKKAPMfGaH4f+PLXx7bjGkX+yw1+NR9wHAiucDupAU+2B3yPTVZXUMhDKwyCDkEVW1PTbTWNLudO1KFZ7S6iaKaNujKRgiuG+HGqTaNqeo/D3WZJDdaL8+mSzHLXWnk4ibdgAsv3TgDpwODWnxR80I9DooorMYVneIrv7B4X1S7yAYbSWQZOOQhIrRrkfinefY/htqjA4aVUiX33OoP6ZpSdotnXgaXtsVTpd5Jfezm/gTZ+X4a1K8Ix512IwcdQiA/8As5r1KuK+Elp9l+G1gxXa07SSn8XIH6AV2tTTVoI7c8q+1zKtL+8192n6BRRRVnjhRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHP+PbQ33gDWoVGSLR5APUp83/ALLXOfBS8+0eAWgJBNtdyIBjoCA382Nd9d263dlPbSAFJo2jYHoQRivJvgTcNF/bmnSnDxvHIF9/mVv5LWUtKiZ9HhP3uS4iH8koy+/3T16iiitT5wKKK5nx/wCLk8G+FZr6NPtGozsLbTrQDLXNw/CIB355PsDTSbdkI5bxY/8AwsP4iW3geBWk0TSDHf6+4+7I3WG2P1I3Eeg7Fa9PAAAAGAOgFct8PPCL+D/C4t764+16reStealdHrNcPyxz6DoPpnvXU1c2tlsgCiiisxhRRRQAUUUUAFFFFABRRXCfE3X7+Gzs/Cvhh1/4SDxC5t4H3f8AHrDj97cEdcKuce54yRg1FczsIzNJ/wCLj/FSTXGbzfDvhWR7XT1Kgpc3p4kmH94IOFPrhgeufTqy/DXh+x8K+G7LRdJiEdrZxBF4wWPUsfcnJPua1Kcnd6bAFFFFQMKKKKACuU+IvhKXxb4XMWmyLb6zYSre6Zcn/llcIcrz2B6H657V1dFUm07oRzngTxZH4z8J2+p+V9nulZoL22IINvcJw6EHkc889iK27tL19n2G4t4cZ3+dA0mfTGHXHf1rzjXSnw0+JMXiWNfK8O+I5FttX2j5ba6/5Z3B9A33WPTv1Nen1UlZ3WwHN6H/AMi9p3/XrF/6AKv1Q0P/AJF7Tv8Ar1i/9AFX69kzCiiigAooooAKKKKACue1jxdB4K+Hd3q80RuJxd3ENnapy1zO08gSMDqcnrjnAJwcV0Nec+E9Dv8Axp49fxDr1pNb6J4furiPRbeeNo2nmaVme4ZGAPGQBnuOxBrnxCXJqNHV/DfwldeGdAludcl+0+INXlN5qs5IOZW6RjHG1B8oxx1IwDiuwoorzG23dlhRRRUjCiiigAooooAK5vx54SXxl4XksIrhrO/hcXOn3iEq1tcJyjgjkehxzgmukopptO6Ecl8OPF8ni3wyTqUX2XW9OlNnqlo2N0U6cE4HZuo7dR2rra8x8d20/gTxbD8RdHhd7J1W28RW0K5MsGQEnA7un/oPcDNek2tzBe2cN1aSrNBPGskUiHKurDIIPoQauSXxLZgS0UUVmMKKKKACiiigAooooAK4P4oeHL+8srLxR4ZTPiHw67XFqoz/AKTER+9gOOoZeg9eO9d5RVRlyu4jJ8LeJLDxd4Ystc0p99vdxh8Z5jboyH3U5B+la1eWyN/wqv4jNKVCeEvFVyN7FsJp1+R19FSTv6EdQBg+pU5Rs7rYArzL46XnleEbK0H3ri8DH/dVWz+rCvTa8c+MmdU8ZeHNEU58zHyg8/vZAn/slYVfgZ9Bw5TU8zpuW0bt/JN/mem+FLIad4Q0m0AwYrSMN/vbQT+ua1qAMDA4FFaLRWPEq1HVqSqPdtv7wooooMwooooAKKKKACiiigAooooAKKKKACiiigArxzwJ/wASf436/ppGxLjz9i9P4w6/+O5r2OvG9d/4kv7RWm3QOBemLp/tqYf5isqmln5n0eR/vIYnD/zU216x1R7JRRRWp84IzKilnIVVGSScACvLvCQb4l+P5vG9zubw/o7vaaBEwO2eQcS3WD6/dX6dAV5sfEfVrvxJrEHw38Nysl1qMfmaxeRHJsLPI3fR3+6Aex6fMCPQNL0y00bSbXTdOiWG1tIliijX+FVGBWvwxv1Yi1RRRWQwooooAKKKKACiiigAooooAp6xq9loOjXWq6rcLb2dpGZJZGPQD+ZPQDuSBXCfDHSr7Wry8+IXieAx6nrChNPt3OfsViDmNB6FvvH1yDxkiqXiAt8UviEPC0GW8L+H5Vm1l8HbeXI5S2BHUL1YevHUA16oAAAAMAdAK1fuxt1YgooorIYUUUUAFFFFABRRRQBn6/oll4k8P3ujapH5lpexGKQdxnoR7g4I9xXG/C/XL63a+8DeJpC2taBgRyt/y+WhP7uZfXjCn0OM85r0KuC+Jfhu/mWx8XeFIt3iPQWMkMYB/wBMgP8ArLdgOTkZI9D0xnNaRd/dYjZ0P/kXtO/69Yv/AEAVfrJ8K3QvvCGk3Iimh8yziJjmjKOh2jIIIz1/PqOK1q9kzCiiigAooooAKKKKACl8O/8AIJb/AK+rn/0e9JS+Hf8AkEt/19XP/o965MV8C9So7mpRRRXmlhRRRQAUUUUAFFFFABRRRQBHcQRXVtLb3MaywyoUkjcZV1IwQR3BFeY+EbiT4a+Mv+ED1OV30S/YzeHrqVidmeXtWPqD931z74HqVYHjXwhZeNvDUuk3zNC4cTW1ygy9tMv3ZF5HIyfqCR3q4yWz2Eb9FcR8PPF15qa3HhvxUq2/ijRwEuk6C6jHC3KeqtxnHQntkCu3pSTi7MAoooqRhRRRQAUUUUAFFFFAGb4h0DT/ABT4fu9G1mHzrO7j2SL3HcMD2IIBB9RXGfDXxBqFjeXHgLxfMH1zSIw1tcEYGoWmSElXPUjGD/Xk16LXHfELwbN4is7fVdCuPsPiTRyZ9NulGdzdTC/qj42n0znB5B0i1blYjsa8bvsa5+0dbxL88diVySOB5cZf/wBCOK7/AMCeMrfxp4eF2Iza6hbObfULFxh7WdeGUg9u4Pp7g1wHwpb+2viV4h1wnepDlTjp5kmRj04UiueqmpKL7n0mSfuqGKxP8sGvnJ2R7JRRRWh84FFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXj3xsiew1vw/rUSktGWUnsCjK6/zb8q9hrzv42WH2rwIlyBzaXSOTnoGyv82FZ1VeDPd4eqqnmdK+zbX3po9CilWaFJYzlHUMp9Qea5zx74zt/BHhl9QkiNzeTOLews1BLXM7fdQYH4k+g9cVD4U8Q2cHws0/WdVnS1tbWyHnzSdFEfyE/jt6Drniuf8ABul3vjfxWvxC8RRyxWcavH4c06YYNvAwANww/vyAZxzgEcn5SN6dmuZ7HkYik6NadJ7xbX3OxtfDnwfP4Z0ee91uX7V4j1eT7Vql0xBJkPSJT/cQcAdOuMA4HY0UUm23dmAUUUVIwooooAKKKKACiiigArhviR4tvtLhtPDfhXEvijWyYrNRg/ZY/wCO4cdlUZxnqR3wRW/4s8V6Z4L8OzazrTuIIyEWOJd0kznhUReMsf8AEnABNc58OPCuoW0t54v8Xop8T60MyoORZQcFLdM9AMAt6kDrjJ0iklzMR0HgzwnY+CfC1roum/OsQ3TTsPmuJT9+RuTyT78DA6Ct2iiobbd2AUUUUhhRRRQAUUUUAFFFFABRRRQBzeh/8i9p3/XrF/6AKv1Q0P8A5F7Tv+vWL/0AVfr3TIKKKKACiiigAooooAKXw7/yCW/6+rn/ANHvSUvh3/kEt/19XP8A6PeuTFfAvUqO5qUUUV5pYUUUUAFFFFABRRRQAUUUUAFFFFAHF/EDwfd6z9k1/wAMSrZ+J9IO+zn/AIZ0/igk9UbJ+h+pq/4G8aWvjTRXuI4Xs9QtJDb6hYTDElrOPvKR6eh7/UEDpa8/8a+D9Wg12Lxl8PxFHr8K+Xd2bsEj1WHj5HJwA4x8rH6E8DGiakuViPQKKxfDHimy8UWM0lr+5u7OZra+s3dWktJ0JDRtgkHBBwRwRyK2qhpp2YBRRRSGFFFFABRRRQAUUUUAeY/Efw9qGh6hN478ITR296Yhb6vbynEd5b42h/8AronGPUDHbBb8CrAQ+F9QviAGuLrZnuVRRj9WNXvjTqRsvAf2VD819cpEwx/CuXP6qv51zejaDr/w+0ew8V+Hkl1CxurNZ9c0hnwwULu86HcfvheCn8WOOan+JUSfRH0kf9nyKT61ZpfKKv8AmezUVR0TWrDxFotrq2j3C3NldJvikXuOhHsQQQR2Iq9V7HzYUUUUgCiiigAooooAKKKKACiiigAooooAKKKKACsLxvYDU/AusWp6tau6/wC8o3D9VFbjMqKWchVUZJJwAK8p1O+1H4w6odF0I3Nl4JhY/wBoauuV/tXDbTBAe8eVYM4yDjHT71KPNvsaUasqNWNWO8Wn9xxvwvsLv4m28OmX8ir4Q0O5M0tuDzqUxO5Vcf8APJSCcdCf/HfomvGfhGkfh3x9r3htcRxqGWJc8HynIH/jrZ/CvZqiM1KKS2R6ud0ZUsdJyd+a0r7J8yvp5XuFFFFM8YKKKKACiiigAooooAKqatqtloek3Op6rcpa2drGZJZZDgKB/XsB3JAp2o6lZ6Rps+oapcx2tpboXlmlbCoPc15ymi6h8VdctNW8QQG18GWoS50zTzIrNqhZQyzzAE7UwRtQ/N1yB0NxjfV7CHeFdLvPiD4oh8d+JbeSDTLQn/hHNOlGCqH/AJepF5+duNvoADzwa9NoAAAAGAOgFFKUrsAoooqRhRRRQAUUUUAFFFFABRRRQAUUUUAc3of/ACL2nf8AXrF/6AKv1Q0P/kXtO/69Yv8A0AVfr3TIKKKKACiiigAooooAKXw7/wAglv8Ar6uf/R70lL4d/wCQS3/X1c/+j3rkxXwL1KjualFFFeaWFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAcF4u8C341oeLPh9PDpviNMC4ik4t9TjBz5cwH8Xo/XtkcFdTwb4907xakloQ2n65Zri/0i4+Wa2YHB4ONy8jDDjDDoTiuprkvGvw907xf5N6ksmma5Z4ay1W1wJYmGSAf7yZPKn9K0Uk1aQjraK810/4gat4SvY9H+KtstqGkWK18Q26/wCh3RP/AD0P/LFunX5eT0AyfR4ZormBJreRJYpFDJIjBlYHoQR1FTKLiA+iiipGFFFFABRRRQB418W5m17x5oXhqB2xlRJt/haVwP0UZ+h+texrGiRCNVAQLtC44x6V434LdfF3xs1TXdvmW1oHeF8cdBHH+a5P4V7NWVPVuR9Jnn7inh8F/JG7/wAUtWeZ6z4S1bwNrlz4r+HkIuLadt+qeHd2xLj1khPRJB1x0PP0PY+FfGGj+M9KN9odwZBG2yeCRSktvJjJSRT0YdPTg4JrbrgvFvw2+26t/wAJN4LvBoPieMZM8a/ub0A58udB94EgfN1+uBXVdS0kfNHe0Vwmg/EmNdQTQfHlqvhzX1i3n7Q6paXfzbc28pY7uqnafmGSOcE13dQ4uO4BRRRUjCiiigAooooAKKKKACiiigAqC+v7TS7Ca91G5itbWBS8s0zhVQepJrmvF3xG0Twk4s5Gk1HWZcC30iwXzbmUnp8o+6Pc/hk8Vzll4G1zx5qUOs/FMxx2MR8yz8M20haGI9mnb/lo49On4ErWijpeWiEQTS6r8Z5TDYvcaT4DVistyMx3Gs/7KAjKQ54JPLdPUL6ZpmmWWjaZb6dpdtHa2dsgjihjGFRR/nr3qxHGkMSRQoscaKFVFGAoHQAdhTqUpX0WwHjXiUHwv8etP1QsEt9QMZZiPlAYeU//AMV+Ney15b8c9JM/h+w1WJSXs5zG5HZHHX/vpVH/AAKu88LasuueFdO1JW3GeBS5x/GOG/8AHga54aTcfmfS5n/tGXYXF9UnB/8Abvw/ga1FFFanzYUUUUAFFFFABWX4i8S6R4T0aXVNfvY7O1j/AInPLn+6o6sfYVzXij4m2um6n/YHha0fxH4lkGEsbRgUtz/enkziNRn69Omc1W8OfDu9udeg8VfEa+j1jXoebW2iBFnp3P8AyyU9W4HzHnIHcBq0UbK8hGbaeH9Y+K2pQax43tJdL8M20gk0/wAPynEl0Qcia5HbtiPnv25b1NVVFCoAqqMAAYAFLRSlK4BRRRUDCiiigAooooAKKKKACiiigAooooAKKKKAOb0P/kXtO/69Yv8A0AVfqhof/Ivad/16xf8AoAq/XumQUUUUAFFFFABRRVO71OK0mEPlzTSbPMKQpuKr0yf85NAFyl8O/wDIJb/r6uf/AEe9RQzR3ECTQsHjkUMrDuD0pug31pFpjpLdQo4urnKtIAR+/euTF/AvUuEXJ6I26Krf2lY/8/tv/wB/V/xo/tKx/wCf23/7+r/jXm3NfZz7Ms0VW/tKx/5/bf8A7+r/AI0f2lY/8/tv/wB/V/xouHs59mWaKrf2lY/8/tv/AN/V/wAaP7Ssf+f23/7+r/jRcPZz7Ms0VW/tKx/5/bf/AL+r/jR/aVj/AM/tv/39X/Gi4ezn2ZZoqt/aVj/z+2//AH9X/Gj+0rH/AJ/bf/v6v+NFw9nPsyzRVb+0rH/n9t/+/q/40f2lY/8AP7b/APf1f8aLh7OfZlmiq39pWP8Az+2//f1f8aP7Ssf+f23/AO/q/wCNFw9nPsyzRVb+0rH/AJ/bf/v6v+NH9pWP/P7b/wDf1f8AGi4ezn2Y6+sLTU7KWz1G1hu7aVdskM6B0cehB4NcBL8ONV8LzNd/C/WjpiFi76LqBaaxlOcnb/FET6r9OK73+0rH/n9t/wDv6v8AjR/aVj/z+2//AH9X/GqU2g9nPszg1+LkejXws/iF4d1Dws7NhLt/9Js39MToOp9CBjviu50vV9N1uyW80e/tr62bpLbSrIv0yO/tSyX2nTRPFNdWskbqVZGkUhgeoI7iuI1P4Y+BL2+a/wBMk/4R/UTj/TNEvfsrj/gKnZ7/AHc07wfkL2dTsz0KivLzpvxB0LH9g+PdG12FeFttetwjAe8sR3MfqKkk+JPi3S1U614DFxEoAkuNJ1eG43N6rEcMB169OOTRy32aD2c+zPTK5f4ja8vh/wAD384fbPcIbaDnku4xkfQZb8K5Nv2g/C8EjxX+keIrGZHEZiuNPAbJAIHDHsf69K4jxh480vx54t0+C7vRpGh28mwyXjBCMgM7HkjJUAAc/hk1nUUoqyWrPaybBKtiVVraU4e9JvbTW3q+29rnpfwc0EaT4LF9LHtuNSfzST18sZCD+Z/4FXoFc5Z+OPBSwx21l4p0IpEoREj1KE7QBgD73oK2bLU7DUlZtOvra7CY3GCZX256ZwfY/lTjBxjY8/HYuWMxM8RL7Tv/AJL5LQtUUUUHGUNa0LS/EWmSafrlhBfWkgw0UyZH1HcH3HIrgIvBnjHwG6N4C1f+2dIVvm0HWJOUTPSGfqvHADfKOpzXp1FWpNaCPP8AT/i/o8eoR6X4ysrzwnqjnb5WpJ+4c/7E4+Rh7nArvLe5gu7dJ7SaOeFxlJImDKw9iODTL6ws9Ts5LTUrSC8tpBh4biMSI491PBrgb74R+HNNMt/4d1XVPCDYy76bfGKEntvR8rjOOBjOPen7j8gPRaK8fufEHjPwzlYvHvgvXoEH/MVlWzmx6ko232yevWqlx+0hY6PeLF4h0KMRsMiXRtZttRB9OFK4/HFV7KT21C57XRXk9v8AtIeBLize4/4mqBPvK1kSR+KkgfnWU/7TehXt4tp4e0S7uZ2DbW1K7t7CIkDPMjuQAQD1wegxk0vY1OwXR7bRXjcXxA8X+JG22ev+A/DcEndtVS+uU/3drCM+hzWzYfDW28TQfaPF/jXUvF6fMjxQXItbM5XH+rgI5wf73fpQ6dviYXNnxB8VvCfh+9OntfPqWqfw6dpcRuZ3P93C8A+zEViCT4l+OsqIo/AmjuOXYi41CVSD0H3Ys8dcMD0zXd6H4c0bw1ZC00DTLXT4MAFbeIJvwMAsRyx9zk1pUuaK2QHN+EfAOg+Copjo9u73lwSbm/un824uCTkl3PPXsMDvjNdJRRUNtu7AKKKhur21sYhLfXMNtGW2h5pAgJ9MnvwaBlTxDpKa74cv9Mkx/pMDIpPZsfKfwODXnXwT1pktdQ8N3uY7i0lMsaOeQCcOuPZhn/gRruZ/HPhK1/4+vFGiw56eZqES/wA2rxPxr4z8OeFvidB4j8N65YXyy/vLiO0uBIN3RgSuR8w/XNZyhO6kkfQ5VUpV8NWwFWSjze9Ft2SkvXutD6JoryWH9pDwVcQl4LbWZSq7mWOy3beMn+LHGD+VXB8Wda1In/hHfh7qky4Bzqt5Bp/14Yt61v7OS3PAUJPZHp1NlljghaWeRY40GWd2wFHqSa8yW4+Jmunbda74Z8LW7Agm0BvLge/zkJz+lWE+Gnhm/Il8ZeIL7xVP8jY1HUdsMbDqUhjKqATzg7ug565Vordh7Of8rLOq/GLw5ban/ZPh5brxPqzA4tNHj84L/vSfdA655OMcis9vDvj/AMegnxbqf/CJaPJ/zCtGm3XTjniW4xge4UYI4IFd1py6Do9mLTSF06wtgSRDaiOJAT32rgVb/tKx/wCf23/7+r/jT54r4Q9nPsyl4d8LaJ4S0xbDw7p0FjbgDIjX5nI7sx5Y+5JNa1Vv7Ssf+f23/wC/q/40f2lY/wDP7b/9/V/xqG76sfs59mWaKrf2lY/8/tv/AN/V/wAaP7Ssf+f23/7+r/jSuHs59mWaKrf2lY/8/tv/AN/V/wAaP7Ssf+f23/7+r/jRcPZz7Ms0VW/tKx/5/bf/AL+r/jR/aVj/AM/tv/39X/Gi4ezn2ZZoqt/aVj/z+2//AH9X/Gj+0rH/AJ/bf/v6v+NFw9nPsyzRVb+0rH/n9t/+/q/40f2lY/8AP7b/APf1f8aLh7OfZlmiq39pWP8Az+2//f1f8aP7Ssf+f23/AO/q/wCNFw9nPsyzRVb+0rH/AJ/bf/v6v+NH9pWP/P7b/wDf1f8AGi4ezn2ZZoqt/aVj/wA/tv8A9/V/xo/tKx/5/bf/AL+r/jRcPZz7MxND/wCRe07/AK9Yv/QBV+qGhHPh3TSOR9li/wDQBV+vdOcKKKKACiiigArGkuoNN8QXct/KsMc9vH5TucBtpfco9/mBx71s0mM9aAM/QYng0G0SVSj+XkqRyuTnH6153L8CbLxNqF/rMviPVLZ7y+uZDDG/yp++cYHPTivVapRWVxbq6Wuq3cMbSPII1SEhSzFjjMZPUnqawrU3UjZHTh8TVw7bpu1zzb/hmzTv+hq1j/vr/wCvR/wzZp3/AENWsf8AfX/169M8m/8A+g1e/wDfuD/43R5N/wD9Bq9/79wf/G65fqtTudf9q4v+f8F/keXt+zppS3SW7eLdYEsiNIq5PKqVBOc+rL+dSf8ADNmnf9DVrH/fX/169IaxumukuG1i9MsaNGrbIeFYqSMeX6qv5VJ5N/8A9Bq9/wC/cH/xuj6rPuH9q4v+f8F/keZ/8M2ad/0NWsf99f8A16P+GbNO/wChq1j/AL6/+vXpnk3/AP0Gr3/v3B/8bo8m/wD+g1e/9+4P/jdH1Wp3D+1cX/P+C/yPM/8AhmzTv+hq1j/vr/69H/DNmnf9DVrH/fX/ANevTPJv/wDoNXv/AH7g/wDjdHk3/wD0Gr3/AL9wf/G6PqtTuH9q4v8An/Bf5Hmf/DNmnf8AQ1ax/wB9f/Xo/wCGbNO/6GrWP++v/r16Z5N//wBBq9/79wf/ABujyb//AKDV7/37g/8AjdH1Wp3D+1cX/P8Agv8AI8vuP2dNKtLWW4uPFusJFChkdsk4UDJOAfSpP+GbNO/6GrWP++v/AK9ekXFjdXdrLb3GsXrxTIY3XZCMqRgjIj9Kk8m//wCg1e/9+4P/AI3R9Vn3D+1cX/P+C/yPM/8AhmzTv+hq1j/vr/69H/DNmnf9DVrH/fX/ANevTPJv/wDoNXv/AH7g/wDjdHk3/wD0Gr3/AL9wf/G6PqtTuH9q4v8An/Bf5Hmf/DNmnf8AQ1ax/wB9f/Xo/wCGbNO/6GrWP++v/r16Z5N//wBBq9/79wf/ABujyb//AKDV7/37g/8AjdH1Wp3D+1cX/P8Agv8AI8z/AOGbNO/6GrWP++v/AK9H/DNmnf8AQ1ax/wB9f/Xr0zyb/wD6DV7/AN+4P/jdHk3/AP0Gr3/v3B/8bo+q1O4f2ri/5/wX+R5n/wAM2ad/0NWsf99f/XqNf2dNKa6e3XxbrBljRZGXJ4ViwBzn1Vvyr1Dyb/8A6DV7/wB+4P8A43Ua2N0t09wusXolkRY2bZDyqliBjy/Vm/Oj6rPuH9q4v+f8F/keb/8ADNmnf9DVrH/fX/16P+GbNO/6GrWP++v/AK9emeTf/wDQavf+/cH/AMbo8m//AOg1e/8AfuD/AON0fVancP7Vxf8AP+C/yPFX+Akllq19E58T31sJlMFxZXFqolTy0yW8ydWDB946dAK6rRfgPoclpcPez+I7FZpQyW0mpjzAoVVzJ5ZZCxYMRgn5SvQ5A9A8m/8A+g1e/wDfuD/43R5N/wD9Bq9/79wf/G6r2FVbNHPVxlatHlnK6ODf9mrwHI5eQ6q7Hks15kn/AMdpv/DM/gD01P8A8Cx/8TXfeTf/APQavf8Av3B/8bo8m/8A+g1e/wDfuD/43Veyr/zHLdHA/wDDM/gD01P/AMCx/wDE0S/s7+A7ONHkn1eNd6RqReHhmYKo4X1IFd95N/8A9Bq9/wC/cH/xuo57G6uYwk+sXrKHWQDZCPmVgyniPsQDR7Kv1kF0ceP2evB4zi81wZ6/8TA8/pTH/Z18GSDElxrTDrg35P8ASu38m/8A+g1e/wDfuD/43R5N/wD9Bq9/79wf/G6Xsa/8wXRwTfs0+Anbc/8AajE9SbvP/stJ/wAMz+APTU//AALH/wATXfeTf/8AQavf+/cH/wAbo8m//wCg1e/9+4P/AI3T9lX/AJgujgf+GZ/AHpqf/gWP/iav6d8BPC+jzCXSdT8QWMi9HtdTaMjjHVQO1df5N/8A9Bq9/wC/cH/xujyb/wD6DV7/AN+4P/jdL2Vf+YLoxf8AhVlv/wBDf4y/8H01Ub/4JaFqpB1TXfE96VGB9o1d5MD/AIFmuo8m/wD+g1e/9+4P/jdHk3//AEGr3/v3B/8AG6XsK3cLo89j/Zw+HtxLOqHVGeF9kubroxUN/d54YH8ak/4Zn8Aemp/+BY/+JruorG6hkmePWL1WnfzJDsh+ZtoXP+r9FA/CpPJv/wDoNXv/AH7g/wDjdV7Kv/MF0cD/AMMz+APTU/8AwLH/AMTUyfs5+CozmOfWVPTIviP6V3Hk3/8A0Gr3/v3B/wDG6PJv/wDoNXv/AH7g/wDjdHsq/wDMF0cX/wAM9eD8Y+2a5j0/tA/4Ux/2dPBcmPMuNZbHTdfE4/Su38m//wCg1e/9+4P/AI3R5N//ANBq9/79wf8Axul7Gv8AzBdHA/8ADM/gD01P/wACx/8AE0f8Mz+APTU//Asf/E133k3/AP0Gr3/v3B/8bo8m/wD+g1e/9+4P/jdP2Vf+YLo89m/Zw+HtoiyynVEG9EBF1/EzBV6L6kVbuPgD4fi0e8tdK1PW4XmhZEjfUm8pmx8u9QOVyFyMHpXZz2N1cxhJ9YvWUOsgGyEfMrBlPEfYgGpPJv8A/oNXv/fuD/43R7Gs18Q1KzujyLXvhNLd2N6mjaD4ihkkgdYY7mWwZQ5UgZYXGQucdifrXR/8KFsf+g5cf9+F/wAa7ryb/wD6DV7/AN+4P/jdHk3/AP0Gr3/v3B/8brneBurWX4nux4izOLuqz7bLp8jhf+FC2P8A0HLj/vwv+NH/AAoWx/6Dlx/34X/Gu68m/wD+g1e/9+4P/jdHk3//AEGr3/v3B/8AG6X9n+n4l/6zZr/z+f3R/wAjhf8AhQtj/wBBy4/78L/jR/woWx/6Dlx/34X/ABruvJv/APoNXv8A37g/+N0eTf8A/Qavf+/cH/xuj+z/AE/EP9Zs1/5/P7o/5HC/8KFsf+g5cf8Afhf8aig+BumXMZeDXrhlDtGT9nA+ZWKsOT2IIrv/ACb/AP6DV7/37g/+N1HBY3VtGUg1i9VS7SEbIT8zMWY8x9ySaP7P9A/1mzX/AJ/P7o/5HE/8KFsf+g5cf9+F/wAaP+FC2P8A0HLj/vwv+Nd15N//ANBq9/79wf8Axujyb/8A6DV7/wB+4P8A43R/Z/p+If6zZr/z+f3R/wAjhf8AhQtj/wBBy4/78L/jR/woWx/6Dlx/34X/ABruvJv/APoNXv8A37g/+N0eTf8A/Qavf+/cH/xuj+z/AE/EP9Zs1/5/P7o/5HC/8KFsf+g5cf8Afhf8aP8AhQtj/wBBy4/78L/jXdeTf/8AQavf+/cH/wAbo8m//wCg1e/9+4P/AI3R/Z/p+If6zZr/AM/n90f8jhf+FC2P/QcuP+/C/wCNRS/A3TIZIUk164Vp38uMfZx8zbS2OvopP4V3/k3/AP0Gr3/v3B/8bqOWxuppIXk1i9ZoH8yM7IflbaVz/q/RiPxo/s/0D/WbNf8An8/uj/kcT/woWx/6Dlx/34X/ABo/4ULY/wDQcuP+/C/413Xk3/8A0Gr3/v3B/wDG6PJv/wDoNXv/AH7g/wDjdH9n+n4h/rNmv/P5/dH/ACOF/wCFC2P/AEHLj/vwv+NH/ChbH/oOXH/fhf8AGu68m/8A+g1e/wDfuD/43R5N/wD9Bq9/79wf/G6P7P8AT8Q/1mzX/n8/uj/kcL/woWx/6Dlx/wB+F/xo/wCFC2P/AEHLj/vwv+Nd15N//wBBq9/79wf/ABujyb//AKDV7/37g/8AjdH9n+n4h/rNmv8Az+f3R/yOF/4ULY/9By4/78L/AI0f8KFsf+g5cf8Afhf8a7ryb/8A6DV7/wB+4P8A43R5N/8A9Bq9/wC/cH/xuj+z/T8Q/wBZs1/5/P7o/wCRX8OReT4W0qIHISyhXPrhBWlUNpbJZ2cNtEWKQxrGpbqQBgZ/Kpq9VJJWR89KTnJyluwooopkhRRRQAUUUUAFFFFABRRUN1LNFDutrf7Q+fuBwv45NAEV5qdnYOiXc4jZwSowSSB16fWrEUqTwpLE25HGVOOorHkie61Uzfbn0+6S0G6BVVig3E7tzAgjjnHp1q9pF1Le6RbXM4AkkTJwMA+49j1/GgC7RRRQAUUUUAFFFFAEVxcw2kJluJBGgIGT3J6AeppLa6hvIfNtpBImSpI7EdQR2NUdVO3UNJaTiIXRDE9NxjcL+tGmndrGrNHzH5qDI6bxGN39KANSiiigAooooAKKKKACqMWsWE919nhuA8u4rtCnqOvOMdquk4BJ7e1c5ZGTT7fSza6kb2C5l2eWY1UMCCSy8bgQeTknv0oA6SiiigAooooAKKKKACohcwm6NsJFMwTeUzyFzjNS1hpaR23iScWibHksi5OeWYueSTQBow6nZ3FybeG4VpOcAZ5x1wehx7VbrmrdkbR/DiQkeaJI+B1GI28z+ua6WgAooooAKKKKACmTTRwQvLM6pGg3MzHAAp9Z+t2sN1pNwbiMSeXE7qCeA204OO9AEtxqVnawRTXE4SOb/VnBO7jP8qltrmG7gE1u++M5wcEfzrI8hbk6OovmtZktyyKkYJf5VBILAjgdsHrV3Rrqa6s5PtDiVopniEwGBIFON2Bx+XpQBoUUUUAFFFFABTWZUQs5CqoySTgAU6obryDZzfa9vkbD5m/ptxzn8KAIbbVbK7YrBcKxC78EFcr/AHhnqPcU611K0vXK2s6yMBuxgjI9RnqPcVgaiZNV067vowIo4rOVLaIH53DAbmI7cDgfn6VpSPHJr2lm1Klfs8rfJ/zzIXH4Zx+VAGvRRRQAUUUUAFFFFAFW61K0snCXMwRmUsFAJOPXA6D3plxq9haiIzXKATLvjIy25fUY7ciq+oXiW155NmkbahPGBuc4WNAThmPpknA6mqcOmxwXUcNpqzwSW1kqYWNTldxO/LAjBI6DpjrQBvRSpPCksTbkcZU46in1S0i6lvdItrmcASSJk4GAfcex6/jV2gAooooAKKKKAI554raB5p3WONBlmY4AqCPU7OW3lmW4UJD/AKwtldnfkHkU+9ktYrbdfbfJ3qMuuQG3DaT6c457VzeoeZDqN0l1Is4Z7SWWRV2hIxLjaRz7nPp9KAOktb63vVY20gfYcMMEFfqDzVisuMhvFU5jOQtmgkx672K598Z/OtSgAooooAKKKKACqk+qWVtceRPcKknGQc4XPTJ6DPvVusLW/Jn03UltZoojEM3iGPBk+UEAntlcDPP6UAaF1q9jZz+Tc3ASTaGK7ScA9Og9quAhlBHQ9K52ZmA1LUrXUmt5UjR3t2iXCERghW3DJBz1GOtb1vI0ttFI6bGdAzKf4SR0oAlooooAKKKKACiiigAooooAKKKKAK9zY2l5t+120M+z7vmRhsfnU4AAAAwB0ApaKACiiigAooooAKKKKAI5oYriForiNJY2+8jqCD+BogghtoRFbRJFGvREUKB+AqSigAooooAKKKKACiiigAqvFYWcFw1xDawxzP8AekWMBj+NWKKACiiigAooooAKKKKACmeUnnebsXzNu3fjnHpn0p9FAFeOxtIbl7iK2hSZ/vSLGAzfU1YoooAKKKKACiiigAprKroUdQysMEEZBFOooAgnsrW5gWG4topYl+6joCF+g7VJHGkMaxxIqIowqqMAD6U+igAooooAKKKKACmSxRzxNFPGskbDDI65BHuDT6KAKkGl6fay+ZbWNtDJjG+OFVP5gVJb2NraFzaW0MBfljHGF3fXFT0UAFFFFABRRRQAUUUUAVbjTLC7l826sbaaTGN8kKscfUikk0uwljjjlsrd0i/1amJSE+gxxVuigBAAAABgDoBS0UUAFFFFABRRRQA2SNJY2SVFdGGGVhkEfSoYbC0toGht7WGKJ/vIkYAb6jvViigCG2tLezjKWkEcCE5KxoFBP4VNRRQAUUUUAFFFFABVeaws7i4Wee1hklT7rvGCw/GrFFAFeaws7i4Wee1hklT7sjxgsPxqxRRQAUUUUAf/2Q==)

Fig 3 Temperature Sensor Membership Functions

As we discussed earlier for temperature sensor, we are taking the value range -7℃ - 35℃. For our crisp sensor input we have 5 linguistic values *Very\_Low, Low, Good, High, and Very\_High*. From the *Fig 3* we can observe that for except for *Good* we have used Simple Gaussian membership function. And for *Good* we have used 2-sided Gaussian membership function. For GH farming 7℃ to 21℃ is considered as optimum temperature for growth. So, we have used *gauss2mf* for Good we have considered Gaussian because it can be represented by least number of parameters such as mean and variance.

1. **Humidity Input Sensor.**

For humidity sensor data we have 5 linguistic values *Very\_Low, Low, Good, High, and Very\_High* as we displayed on the *Fig 4*. For GH farming 50%- 70% relative humidity is considered as optimum for all phases of a plant. We have distributed the MF as absolute value of *Good* falls between 50-70. values less than 30 is considered as *Very\_Low.*

![Diagram

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAkACQAAD/4RD4RXhpZgAATU0AKgAAAAgABAE7AAIAAAAPAAAISodpAAQAAAABAAAIWpydAAEAAAAeAAAQ0uocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEFiaGlqaXRoIFNoYWppAAAABZADAAIAAAAUAAAQqJAEAAIAAAAUAAAQvJKRAAIAAAADODgAAJKSAAIAAAADODgAAOocAAcAAAgMAAAInAAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADIwMjE6MDU6MDYgMDI6MDI6NDkAMjAyMTowNTowNiAwMjowMjo0OQAAAEEAYgBoAGkAagBpAHQAaAAgAFMAaABhAGoAaQAAAP/hCyFodHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLjAvADw/eHBhY2tldCBiZWdpbj0n77u/JyBpZD0nVzVNME1wQ2VoaUh6cmVTek5UY3prYzlkJz8+DQo8eDp4bXBtZXRhIHhtbG5zOng9ImFkb2JlOm5zOm1ldGEvIj48cmRmOlJERiB4bWxuczpyZGY9Imh0dHA6Ly93d3cudzMub3JnLzE5OTkvMDIvMjItcmRmLXN5bnRheC1ucyMiPjxyZGY6RGVzY3JpcHRpb24gcmRmOmFib3V0PSJ1dWlkOmZhZjViZGQ1LWJhM2QtMTFkYS1hZDMxLWQzM2Q3NTE4MmYxYiIgeG1sbnM6ZGM9Imh0dHA6Ly9wdXJsLm9yZy9kYy9lbGVtZW50cy8xLjEvIi8+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczp4bXA9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8iPjx4bXA6Q3JlYXRlRGF0ZT4yMDIxLTA1LTA2VDAyOjAyOjQ5Ljg3NjwveG1wOkNyZWF0ZURhdGU+PC9yZGY6RGVzY3JpcHRpb24+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iPjxkYzpjcmVhdG9yPjxyZGY6U2VxIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpsaT5BYmhpaml0aCBTaGFqaTwvcmRmOmxpPjwvcmRmOlNlcT4NCgkJCTwvZGM6Y3JlYXRvcj48L3JkZjpEZXNjcmlwdGlvbj48L3JkZjpSREY+PC94OnhtcG1ldGE+DQogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgIDw/eHBhY2tldCBlbmQ9J3cnPz7/2wBDAAcFBQYFBAcGBQYIBwcIChELCgkJChUPEAwRGBUaGRgVGBcbHichGx0lHRcYIi4iJSgpKywrGiAvMy8qMicqKyr/2wBDAQcICAoJChQLCxQqHBgcKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKir/wAARCAEvAnoDASIAAhEBAxEB/8QAHwAAAQUBAQEBAQEAAAAAAAAAAAECAwQFBgcICQoL/8QAtRAAAgEDAwIEAwUFBAQAAAF9AQIDAAQRBRIhMUEGE1FhByJxFDKBkaEII0KxwRVS0fAkM2JyggkKFhcYGRolJicoKSo0NTY3ODk6Q0RFRkdISUpTVFVWV1hZWmNkZWZnaGlqc3R1dnd4eXqDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uHi4+Tl5ufo6erx8vP09fb3+Pn6/8QAHwEAAwEBAQEBAQEBAQAAAAAAAAECAwQFBgcICQoL/8QAtREAAgECBAQDBAcFBAQAAQJ3AAECAxEEBSExBhJBUQdhcRMiMoEIFEKRobHBCSMzUvAVYnLRChYkNOEl8RcYGRomJygpKjU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6goOEhYaHiImKkpOUlZaXmJmaoqOkpaanqKmqsrO0tba3uLm6wsPExcbHyMnK0tPU1dbX2Nna4uPk5ebn6Onq8vP09fb3+Pn6/9oADAMBAAIRAxEAPwD3WiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiis7Wdd07QLWO41WcwxyyiGPbE8jPIQSFCqCSTggADk4A5IoA0aK5eLxpZ3WtWq2txCNMayu7i5mnRongeB41KsHwUxvbIYZ4HTvDqHxF0i10v7ZaR3l0y3VvA9ubK4jlVZnCrJsMe4rjcQcYYrtByaO39dbAddRVLU9XsdG0uTUtUuBbWkQUySupwgJAGRjI5I+lZq+NtBexkuRczjy51t2t2spluPMZdyqICnmElfmGF5AJ6A0Ab9Fc8/jDSFjjvf7TjWx+xz3TqbaTzNsTKrsT/CUJIZCu7J7bSKpal8RtHs7Fri0S7u3juraCSEWc6OFmfasgXy8suAxBAIYjaDkij+vxsB11FY8virSINXXTZbiUXBdIyfsspjR3GVR5duxGORhWYE5HHIzpwzpP5mwSDy3KHfGyZI9MgZHuOD60AFxu2IqOULyxpuUDIDOAevHQ1e/sX/AKf7r8o//iKozf8ALH/r4h/9GLXQ0AZn9i/9P91+Uf8A8RR/Yv8A0/3X5R//ABFadFAGZ/Yv/T/dflH/APEUf2L/ANP91+Uf/wARWnRQBmf2L/0/3X5R/wDxFH9i/wDT/dflH/8AEVp1R1jWbDQNLl1HV7lba1ixucgkkk4CqoyWYkgBQCSTgCi9gIv7F/6f7r8o/wD4ij+xf+n+6/KP/wCIrAs/iLb3Hw1n8Y3GmXVtFE8yCyfAmJSZolVgcBWJAyD93PU4zV7R/Et/Nrs2jeItLg029S0F7G1tefaYXi3bWyxRCrKeo24wQQTzg2dg/r9DR/sX/p/uvyj/APiKo2+7Y6u5cpLIm5gMkK5A6cdBVfwv49sPF3iHVrDSIZWtdPihkS+dSqXXmGQZjBA3IDGQHHDHOOBk2If+W3/XxN/6MamHWxLRRRSAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigArwn4b/E7XFvtfPi6/a8tk06bULMuirtWCR0dBtAyTxx7Cvdq+dtU+EXi278G6Lb2ll9n1GK+vIrtRcRcWs753E7sEAA8Dn5ulAGj8M/inqlnp+v3nxC1K4vTCbEWcEUCmR3nSRwiKoGWIC8H0rv8A/hbOgx6Fq+o31rqdhJo5j+2WF3bBLmMSMFRtu7BBLDkH+lee+IPhR4iuPEmvajpen4hh1OwutPhS8WFrqKGN1dUdWzGwyuCce1Saj8PPEGs+EfFc0Hhu4tNR1CG2t7SK91g3VzMqTRu293fYoGzjkHt9QDtl+MmhNqK2I0rXvtM8InsYv7OO6/Q9DEM5IwCcttGATmsPxl8VEufAOleIfDF3dafH/b0VlfJNABLGoVjJGy/NzjaeOa25vC+rt8WPC2srZ50/T9JktribzE/dyFSAu3OT16gEVxN58OfF7eCbuytNLj+3P40bVYUluI9v2fZgSE7umeq/e9qAPRtK+J+h6hqV7YXtvqOi3Nnam8aPVbbyC8A6yLycge+D144OI9B+Kmia/q1nYJZ6pYf2grNp9xf2nlRXoXk+W2TnjnnHb1rktW8G+KfiJ4ovdR1vSY/DsUOjTafbK90k5mmfPzZTog3fX8zit4O8Da8uteHItc8N3VvHogBkvbzXXuI96KApgiDkLnHQjAHHbFAHXaN8YfDuuRzT2lpqqWNtBLNc38tpiCDyxkozAn58YIAznIq74e+JOn+IdTs7NNH1uwF/EZrO4vbPZDcIBnKsrHsQecdR6isX4e+ENY0P4O3Wh6nplqNRmNwTaXcgeKXeTgOUJ4I44PFc34L8D+J9I8ZaTcaXo9/4Y0+EsdVgk1Zbi1m4+7FGCW5OTliceuRyAT+DPjItj4WkufF6atehNRkgl1GGyBgtlLAIruMDp6Ankeorrh4pisfH3iZbnV7q4tNM0tLx9PW1UJCoUMXSTdlyR2IA561xw+H/AImH7P8Arnhv+zP+JvdagZobfz4vnTz42zu3bR8qk8ntV7VvDOrWGr+O9au7Ty9PufC/2eKbzEO6RIMMNoORjB5IxQBu2Pxl8OX1zpoFpq1vZak6xW+pXFkUtmlP/LPfn72eOARweeDTfjN4u1Lwn4JEmhi5ivbqZYkuobfzFgG4ZyTwCQcDPU9K4LRdG8W+Mfhp4R8NjQ4bfS45Ybt9YF0hUwqSQBH94P8ANj0yPQ5HpXxX8P6n4l8Ef2folt9puvtkEvl+YqfKrgscsQOlAC+GfFlvBPo3hvUZtWuNWvrSS7WXUbVYZdgduJFGNrDGAMdAKbdfFbw5ZadqF9c/a0t9O1U6TO3kg4mGckAHleOvX2rO8YaP4itfiponivQdG/tmC3spLOaBLlIXQsSQ2XOMfN+hrjm+HnjG48Jatb3ekxi/vPFi6n5cd1GVMPVnBLDjJ6HDe1AHo+j/ABN0XVdXv9NuLbUdIubG1N7IuqW3kboB1kHJOBnvg+3BqhYfGLQb+7t4l03W4Ir0P9gup7ArFfFRnbEc5ZjjABAycCqPi/wJqviT4l3l1FEItNu/C8um/bDIuEnaRyAVzuIwQc4x70eDX+IdjB4f8PXPhyz06x0tFgvdQluUlWeJFwvlIpDBiB1PGeo7UAZWkfE/UPEXwy8S6pqD3uiz2Ux8u+t9P3pEm9VVUDMA7jncCeN30FdNefFHSdF+x6cLfV9e1AWUdzcLptl5rxIygiSQAgLnOcAnGR6iuNsPBvi6L4U+LvCMugkTzXLzWVwLuLbdbpFOACflwFzlsdcda0dO0Hxh4D8T32q6N4eTXodYsLVJYheRwyWs8UQTBLcFSc9Pb05AOqufit4Zt9J0bUYpbq7t9aZ47T7NbmRy69UKjndk7QMHn86veE/HWm+L7jUbW0tr6xvdNdUurPUIRFLHuztOASMHB7/zFed6R8MfEOkR+CPMgjuJbPV59Q1IxSKEtvM24AyQWxt7Z5z9a7Hw54d1Sw+L3jHW7q18vTtSjtFtZvMU+YUiCv8AKDkYPqBQBc8SfEXSfDPiGHQ7m01K81K4tftMFvY23nNKNxG1QD975WPOBgda5Pxd8Tv7R8B2ureEbq5sLhNahsbuG4hCTQkk7o3U5A7dPz4NV/GFzqtn+0VpF1oempqdxDoLM1oZliaRPNkB2s3AYZB5xkAjvWXd/DvxZqXh3Ur+fS0i1PWPEUGovp6XEZ+zQJu6uSFLfN29voAD0TxH8S9I8O622kLY6rq+oRRCa4g0q089reM9GfkYHf8AEeorm/E/xhjt5fCs3hi3udQ0/WJ8zSQ2jSOyKcNEgz/rMg5XGcYx1zUt3pXivwf8R9f1/wAO6AniGz16KElBdpBJbSxrtAJfqpyTx7enPOL8OPFPhzw74SubPT49W1HTtXl1G9s4J0jC+Zj5VZjjA2gH3PpzQB27/FzRheXCQaVrl1Z2tz9kudQt7HfBDLkAqSG3ZBIBwp6jGc13YIIBHIPSvBNf8BeKLjXL+90TwvPpGtXNz5sOq6TrCw27KSCWmjZi27k5CgAk8Z6n3azSeKxgju5RNcLGqyyAYDsBycdsmgCasvWtIfVZNNeK4WBrG9S6+aPeHAVlK9RjIY8849DWpRQBxN78PPt1xqs0mqbX1KC9iO234j8/ygpxu52iFcj+IknjpV7VfB0mqao16+oLG5WyVVW34H2eczHPzc7icD+775rqKKFpa3TYHrfzMvxFpD67octhFcLbO7xusrR+YFKOrjK5Gfu46is2fwi0/jBNfN+A8dxHIsPkcbEhkj2k7vvEysd3YADHeumooA4m5+HZure8jfVAGu7fUYWYW3C/a5VkyBu/h24x/F14q9qfg3+0NSmu0vhD5gsMJ5G4L9lnaX+8Pvbse2M89K6iimna1ug2273/AK/qxzl74Ve51ltUtL97C7NzDJvtjKiyxpjcksfmbJWZQyhyuVBXA+UV0dFFLpYXW5FN/wAsf+viH/0YtdDXPTf8sf8Ar4h/9GLXQ0AFFFFABRRRQAUUUUAeTK10vwN1QWkPnK2q3i3I+zrOUtzqEgmcRsGDFU3HBB6dDWh4QbSR8RpP+EL1BdX0l9LxfXZu2vfJlV18lBcOWblTIfK3YXGcLu+b0mihaO/9bW/4PqD1/rzv/wAA5HSf+Sv+Jf8AsFaf/wCh3NXYf+W3/XxN/wCjGroa56H/AJbf9fE3/oxqYdb/ANbEtFFFIAooooAKKKKACiiigCrPPdfb4bSyghlkkieUmaYxgBSg7K2T84/Kn+RrX/PnYf8Aga//AMaog/5Gi1/685//AEOGtyuGtWnCdkUkYfka1/z52H/ga/8A8ao8jWv+fOw/8DX/APjVblFY/Wag+VGH5Gtf8+dh/wCBr/8AxqjyNa/587D/AMDX/wDjVblFH1moHKjD8jWv+fOw/wDA1/8A41ULvq6X8VobKy8yWJ5VP2x8AKVB/wCWXX5x+tdFTTGhlWQopkVSqvjkA4yM+hwPyFP6zUDlRi+RrX/PnYf+Br//ABqjyNa/587D/wADX/8AjVblFL6zUDlRh+RrX/PnYf8Aga//AMao8jWv+fOw/wDA1/8A41W5RR9ZqByow/I1r/nzsP8AwNf/AONUeRrX/PnYf+Br/wDxqtyij6zUDlRzs76vbzW0b2VkWuZTEmLx+CEZ+f3XTCH9Km8jWv8AnzsP/A1//jVbTRo7IzorNG25CRnacEZHocEj8TTqf1moHKjD8jWv+fOw/wDA1/8A41R5Gtf8+dh/4Gv/APGq3KKX1moHKjD8jWv+fOw/8DX/APjVHka1/wA+dh/4Gv8A/Gq3KKPrNQOVGH5Gtf8APnYf+Br/APxqobt9Xs4VklsrIq0scQ23j9XcIP8All0ywroqbJGkqhZUV1DBgGGeQcg/UEA/hT+s1A5UYvka1/z52H/ga/8A8ao8jWv+fOw/8DX/APjVblFL6zUDlRh+RrX/AD52H/ga/wD8ao8jWv8AnzsP/A1//jVblFH1moHKjD8jWv8AnzsP/A1//jVHka1/z52H/ga//wAarcoo+s1A5Uc7evq9jYXF3LZWRjt4mlYLePkhRk4/ddeKm8jWv+fOw/8AA1//AI1W1JGk0TxyoskbqVZGGQwPUEdxTqf1moHKjD8jWv8AnzsP/A1//jVHka1/z52H/ga//wAarcopfWagcqMPyNa/587D/wADX/8AjVRXWn6pe2k1rd6fp00E8bRyxveOQ6kYIP7roQa6Gij6zUDlRzljpWoaZYw2Wn6ZptvbQKEiiju3Coo7AeVU/ka1/wA+dh/4Gv8A/Gq3KKPrNQOVHO2T6vfWFvdxWVkI7iJZVDXj5AYZGf3XXmpvI1r/AJ87D/wNf/41W1HGkMSRxIscaKFVFGAoHQAdhTqf1moHKjD8jWv+fOw/8DX/APjVHka1/wA+dh/4Gv8A/Gq3KKX1moHKjD8jWv8AnzsP/A1//jVHka1/z52H/ga//wAarcoo+s1A5UYfka1/z52H/ga//wAaqGyfV76wt7uKyshHcRLKoa8fIDDIz+66810VNjjSGJI4kWONFCqijAUDoAOwp/WagcqOZfQLp9aTV30fSzqEcJgS5N2+9Y85258rpkmrnka1/wA+dh/4Gv8A/Gq3KKX1moHKjD8jWv8AnzsP/A1//jVHka1/z52H/ga//wAarcoo+s1A5UYfka1/z52H/ga//wAao8jWv+fOw/8AA1//AI1W5RR9ZqByo520fV7yFpIrKyCrLJEd14/VHKH/AJZdMqam8jWv+fOw/wDA1/8A41W1HGkSlYkVFLFiFGOSck/Ukk/jTqf1moHKjD8jWv8AnzsP/A1//jVHka1/z52H/ga//wAarcopfWagcqMPyNa/587D/wADX/8AjVHka1/z52H/AIGv/wDGq3KKPrNQOVGH5Gtf8+dh/wCBr/8AxqoYH1e4muY0srINbSiJ83j8kor8fuumHH610VNWNEZ2RFVpG3OQMbjgDJ9TgAfgKf1moHKjF8jWv+fOw/8AA1//AI1R5Gtf8+dh/wCBr/8Axqtyil9ZqByowZLTV5UKS2GnOp6q145B/wDIVQ/2Rff9AjSf/Ahv/jNdJRT+s1A5Uc3/AGRff9AjSf8AwIb/AOM0f2Rff9AjSf8AwIb/AOM10lFH1qoHKjlUsrt7+W0Gj6X5kUSSsftBwQxYD/ll1+Q/pU39kX3/AECNJ/8AAhv/AIzXRCNBK0gRRIyhWfHJAzgZ9Bk/madR9aqByo5v+yL7/oEaT/4EN/8AGaP7Ivv+gRpP/gQ3/wAZrpKKPrVQOVHN/wBkX3/QI0n/AMCG/wDjNH9kX3/QI0n/AMCG/wDjNdJRR9aqByo5v+yL7/oEaT/4EN/8Zp9q88N5LY3Frb25iiSVRbyl1IcuO6rg5Q/nXQ1hz/8AI0XX/XnB/wChzVtRrTnOzE0kT0UUV2khRRRQAUUUUAFFFFAEEH/I0Wv/AF5z/wDocNblYcH/ACNFr/15z/8AocNbleXif4hcdiO4WVraVbZ1SYoRGzDIVscEj61wdt4/uh8L77Wb1Y11ayke1kiC8Cfdhfl/4EpI9jXoFeaX/gXVJ/iV5kUY/wCEduruLUbn51wJkVvl25ycscnjHze1cc+boe3laws+aOJsrWkr9eXeP/byenmjpZvF1toFjYW/iOV31Wa2E00Nrbs5Xj5m2qDhQcjJ9KmvvHOgafaafdTXheHUkdrV4o2fzNoGRgDIPIGDzniuf8U+HNW/4Tb+3NOtLu+gmshbsllf/ZZY3DZGTkZU8cfj25jtfB1/Z3XgryNPWKDTHuZLtFuA6wGQAgAsctznpnB/Op5p3sdccLl0qcKk56tNtJxWvLJ2tutUkrrW/odPY+MtG1Czv7mKaSNNOiWa5E0TI0aMu8HBGeQK1dPvodT063vrXcYLiMSRl1KkqRkHB9q8y8f6bJc+PLOw0q4QN4hhW0v4kbLIkbq/mEdvkBH0Br01ZrS0RbcSwxLGoVULgbQBwMfSqjJttM4sbhaFKjTqUr3nrbslo76dZXt5IwvE2vXmk+IfDllaeX5WpXTRT71ydoA6enWtfWNasNA0177VbgQQKQucElmPQADkn2Fcx43sdU1DU/D+peHrBdU/s26eWWNLlI+y4G5j/jVLXLbxX4ntrSeXw0mn3Gk3sN7DBLqEcq3e0nKZX7p6cnjrScmmzeng6FWnQcpRiteb3oqV+Z20bvtbWzSWuxv2/jvQriwvrpZpk/s9Q9zDJA6SxqejbCMke4q4vinSH1u30pboG7ubb7VGu04MfJznp0BOPSue0/QdT17xXqGteINNGl28+mnTVtPOWR5FY5ZmK8ewH09K49fh/wCLI9BlvFhB1yCZbW2xMnNosLRZB3YGQ2cE546Uuaa6HTTy/LpylGVXldl9pNXktr7NRe7XRo9a0bWLPXtKi1HTXZ7aYtsdkK7sEg8H3Bq9VLRdMj0bQ7LTYcbLWFYsj+Igcn8TzV2tVe2p87W9n7SXsvhu7X3t0CiiigyCiiigAooooAKKKKACiiigAooooAK57wjrV3rS62b3Z/oWr3FnFsXH7tCNufU89a6GvOtFn8U+GL7XoE8F32ow3er3F5DcQX1qivG5GOHlDDp3FXFXTEdFq3jvRdG1C6tLj7ZO9kiyXrWlnLOlorDIMjKpC8fNjrjnGKkl8baFDa6rcvegwaVax3lxIqlgYZELo6kfeBCnGO4xXPpbeI/D+oeJVsfDkmrR63P9ttpY7mBBDI0KRtHMHcHaDHnKB8gnjNZEnw51exbwhYWYS6s47K2sNclDhRst5EmjIB5YFlkTA5xJ9atRh3A9Bs/EumX91p9vZzmWTUbI39vtQ4MA2fOT2z5i4z159K1a4H4b+EtU0C91STW4lRbbGm6Vhw2bKOR3RuCdpPmAEHn92Pau+qJJJ2QBRRRUDCiiigAooooAKKKKACuUg+JPh64urSKOS88q+uRbWd01lKILqQttxHIV2tznnPIBIyAa6W8gW5sZ4HYossbIWHUAjGa8div9VTw14A0WTTLdrO21Sxgi1WC8ilhvEiBCvCqkvyq7juC4561pCKe4j0C6+Ifh+0vZ4ZpbryLa4+y3F8tpIbWCXONjygbQQSATnAJwSKl1bx3oujahdWlx9sneyRZL1rSzlnS0VhkGRlUhePmx1xzjFcfcaD4lh8Eaz4Gt9CaddQnulg1fz4hbrDcSs5eRS3mB1EhG0IclRg+mjDY+IPCl54itdN0CXW4NXmFzaXMdxCgRzAkRScOykKDHnKhsg9M8VXLEDotR8b6Np9xbwK9zfS3FsLxV0+2e5IgPSU7AcKex784zimeANeuPE/gbT9YvGjaW6EhLRrtUgSMoIH0Arl/D3hzXPh7dW7Wmly+IIptFs7CU2s0aPDPb7xn96y/u28zqMkbeldL8O9K1DRfAOnWGs26217F5plhRw4QtK7AAjgjBFKSio6AdNRRRWQwooooAKKKKACiiigArlL/xdFpXxHTR9UvrOy099J+1K1xIsZaXztuAzEfw9q6uuRvfDH9pfFBdU1HTLe701dG+zq86o4E3nbsBTz93vjHvVxt1EZN38QRJ4n1q1stYshpllbWDx3UMQuQJJrgxsp2tzkbV/wBndnnGK6DV/HmiaLf3VrdNdyGxRZL2W3s5JY7QMMjzHUELkc+w5OBzXHeIvAWovr+vyaDo8MVneQaUsIgMUSu8N55kvy5GMJzkjnoMnijWLvUfD0fj+LTrC31S1u2ku5boXkSCxdrVFZJ0Y7sYQMu0NkN2rTli9v62A2pviLDb+NEshHdXdhdaJBqNrFZ2Uk0zl5JAWIUEhdqp1xycdSBXX6Pq9lr2j22qaVN59pdJvik2kZHuDyDngg8g1x3grRb6HW9N1aa222jeFLCzWUsufNVnZkxncOGU9MflW18P9KvdE8D2On6pD5F1E0xePerYDTOw5UkdCKmSj0A6Oub1jXL3R/HGhWs3lnSNWWW1LFcNHdKPMj+b0ZVkGPUCukrn/G+i3Gu+FLiHTQP7StmS7sGJxi4iYPHz2BI2n2Y1EbX1AgbxJM3jvULLzYYdH0bThPqE8gxiaQllXcegWNGY/wC+tS6R440fWtQgs7f7Zby3cRmtDeWckC3SDktGXA3YBBx1wc4xWHD4N1HVPhj4gsNSC2et+IxcT3IZw4hkkG2OMsuchEWNMjP3SRWb4b8L6hJ4m0S6vtD1u0/swPJNPquvNdRpIYygFuglfIO48sF+XjGa0tGzA6PRviZ4d12exSwe98rUJBFa3UtlLHBNJsZtiyMApYBGBGeox1roLLWLPUNR1CytXZ5tOkSK4+U7VdkDhQehO1lJx0yK89l8PXWi/s92dvqKx2GqaBaJfIXdSIriA+YPmUkc4KkjPDGur8Babcaf4Thn1FNmo6lI+oXoPVZZjvK/8BBVPogpSjFK6Ad4+1y58N+B9Q1awaNZ7YRlTKMqMyKpz+BNZXjD4g2GnaRav4e1nTLq8m1C1t/KS4SUlJJlV8KDn7pPPatH4iaPea/4B1LTNMtxcXNwIwkRZV3YkUnliB0B61meOfBFvfaHap4d0OxW8i1K0nLQwxRMsaTqznccdFB4zzRHl0uBoxeMbCx0m6vdRv2uwuqzWEKW9m4kaRZGUQqgyXYbSNw4OCeBWV4h+JdlD4U1a/0eSSG60m4s0vI721eNoFlnRCGVgDnYWP5HkEVkTaLqehvp+ovbwtfQeKr+7tbCW5jjN7FP5wAjYnb5mx94ViPukHFUZbXWPF1744hGkLb3b3ej/wChmeN2VY5FkcOwOzcEBJAJ4wOatRje/wDW4Ho2i+LtM1zUptPt0vLa8hiWcwXtpJbu0TEgOocDK5GPY9cUT/8AI0XX/XnB/wChzVAdKvf+FpJq/k/6CNGa1Mu9f9b5wbbjOegznGKnn/5Gi6/684P/AEOarw9vaaCexPRRRXpEBRRRQAUUUUANZlRSzkKoGSScAVXsNQt9Shea0ffGrlN2OCR3HtViSNJY2SVFdGGCrDIP4Vm6IMLfgcD7bL/SgCys8Nv4mtGnlSIGznALsBn54fWtf+0rH/n9t/8Av6v+NcP4v8Gw+NNW02znvHtRBBcShkQNn5ohjn61j/8AChbH/oOXH/fhf8a8fFSn7V2R72EwuWVKKlXxDjLquRu2vf0PUP7Ssf8An9t/+/q/40f2lY/8/tv/AN/V/wAa8v8A+FC2P/QcuP8Avwv+NH/ChbH/AKDlx/34X/GuXmqfynV9Syb/AKC3/wCAM9Q/tKx/5/bf/v6v+NH9pWP/AD+2/wD39X/GvL/+FC2P/QcuP+/C/wCNH/ChbH/oOXH/AH4X/Gjmqfyh9Syb/oLf/gDPRY49Ai1F9QiTTUvZBh7lRGJGHu3U9BVe703wpf3T3N9ZaPczvjfLNFE7NgYGSRk8ACuC/wCFC2P/AEHLj/vwv+NH/ChbH/oOXH/fhf8AGlef8pqqGVxfMsbK+3wS27bno9j/AGHpcBg0z+z7OJm3mO32RqWwBnAxzwPyqz/aVj/z+2//AH9X/GvL/wDhQtj/ANBy4/78L/jR/wAKFsf+g5cf9+F/xp80/wCUzlhMok+aWLbf+B/5nqH9pWP/AD+2/wD39X/Gj+0rH/n9t/8Av6v+NeX/APChbH/oOXH/AH4X/Gj/AIULY/8AQcuP+/C/40c1T+UX1LJv+gt/+AM9Q/tKx/5/bf8A7+r/AI0f2lY/8/tv/wB/V/xry/8A4ULY/wDQcuP+/C/40f8AChbH/oOXH/fhf8aOap/KH1LJv+gt/wDgDO7bxbbtJILOznvIkdo/Oint1VmUlWADyq3DAjpzjIyMGtDR9Wh1rTRe28cka+bLCyS7dyvHI0bD5SQfmQ8gkGvEo/hBcWrTQyafrs+24l2SwCy2SJ5jbWG64VuVwcEAip9H+CuvWulG6s9Xk069aad1tpgEdFMrFNzxOwyV2k4zjOOcVbckvh/Ezjgcrm0o4uzt1g7X00/4J7pRXi0mt/EzwIu7V4f7VsE5aWQecoHrvX5l/wCBV2vhX4paD4meO2Zzp985wLec8OfRX6H8cH2qVUTdnoRicjxVGn7ak1Uh/NB3+/qjtKKKK0PDCiiigAooooAKKCQASTgDqTXC6r8XfDdtfPpmgtP4l1gcLYaRGZjnvukHyKB3549KpRcthHdUV51Hf/FTxHKhttK0jwjZFhue+lN7dFfVUTCA46qxzz14pf8AhW/iXUWc+I/ibr027O0aRFFp4X0+6G9/c8elVypbsD0SiuCi+FEMa4fxr42lPq+vSf0xSTfCeKTHleOPG8BHdNdc/wDoQNFo9wO+orzuPwL450zd/YvxLupYwCVg1XTorncccAyZDDnuPyNNPib4leH+PEHg60123T713oF1h8evkyfMT7A0cl9mB6NRXJ+GviX4Z8U3w02zvHtNWAJfS7+IwXKEDJBRupAGflJ45rrKlpp2YBRRRUjCiiigAoork/EPxL8M+HLn7FLetqGqF/LTTNMT7Tcs393y16H/AHsVSTeiEdZWVZ+FvD+n6gL+w0LTLW8BYi4gs40ky33juAzz39a43/hJviX4h+bw14QsdCtjylx4iuG3uP8ArjF8yH2Jp/8AwgnjjUWU678TLxIzgtBpWnxWuzOMqsnzMe+CfrjtVctt3YD0SiuAh+E0cRJl8c+N5yf+emuuMf8AfIFOm+FEMqbU8beNoT/eTXpCf1BotHuB3tFeeD4c+J9NZj4e+JuuRbhgjVoYtQH/AI8Fx+FMF/8AFbw6N1/pej+LLUZydPmNpcgepV/kP0HNHInswPRqK4bS/i74bur9NN1z7X4a1RsD7HrMBtyx/wBlz8jDPQ55rualxcdwCiiipGFFFFABRRWB4n8c+G/BsKP4k1aCyaQZjiOXkkHT5UUFiM98YppNuyEb9Fecr4/8WeI2C+CfA12luxx/aXiCT7HEM9HEYy7qRzkY7cU9vCnxI1aJG1b4gW+l7gRNa6PpS7RzxtmkYv6dh1Iq+S27sB6HWVf+FvD+qXpvNT0LTby6IUGe4s45HwvT5iCeO3pXJx/CX5w9x4+8bzNxuH9slFPHoqjAqZvhXbsuB4x8aKfUa9LRaK2YHd0V53/wq/WLFlfQ/iV4phkByf7QnS9U9xhXUf1yOKR4Pi1oRJgvNA8V264J8+JrG5f2G0mMc9z6UcqezA9ForzuL4w6fpsy23jvRdU8J3DHaHvITLbO3osyAg/UgCu+tLy21C0jurC4iubeUZjmhcOjj1DDg1Li47gTUUUVIypqOk6brEMcWrafa30cUgmjS6hWUI4yAwDA4YZPPXmmahomlauyNqumWd80YIQ3Nukm3PXG4HFXqKd2Iz7Dw/o2lXBn0vSbGymZdhkt7ZI2K5BxlQOMgce1aFFZ2teItG8OWgude1S006E52tczBN5HUKDyx9hzRq2BPqOl6fq9obXVrG2vrcsGMNzCsiZHQ7WBGRSadpWnaPam20iwtbCAuXMVrCsSlj1OFAGT61wf/C0tR8QfJ8O/COoazG3C6hej7Hac9GDP8zjHOAAcEU9dF+KeuRs+peKtJ8NBiCtvpWn/AGptpB4aSU8NyOVGMjjHe+RrRuwHolYc/wDyNF1/15wf+hzVzC/Ci5m2yal8Q/Gc0w+99n1MW8Z54+RV4496u6F4aTw1r2oQx6tq+p+ba27F9UvWuWXDTDClug9hXRh0lU0YnsdDRRRXokBRRRQAUUUUAFFFFAEEH/I0Wv8A15z/APocNblYcH/I0Wv/AF5z/wDocNbleXif4hcdgooormKCiiigAooooAKKKKACiiigAooooAKKKKAAjIweRXA+MPhPpPiBWudJVNL1HO7fGuI5D1+ZR0Of4hz9a76ilKKkrM68JjcRg6ntKEnF/wBbrqeMeHvHWu+BNVTQPHUMr2oIWO5Y7mjX+8G/jXke4/DFexWl3BfWkV1ZyrNBKu5JEOQwrN8SeGNM8VaW1lq0O5escq8PE3qp/wAj1ryfStU1j4Q+Iv7J1vfd6HctujlQcY/voOxH8S//AFicruno9j6CVHD51B1MPFQrrVxW0+7j2fl/w57fRUNneW9/ZxXdlMk8Eyh45EOQwNUPEfibSPCWjS6p4gvY7O0j43NyXPZVUcsfYVutdj5VpxdnuatcHrvxRtYNWk0Lwbp0/inXE4kgsmAhtjnGZpj8qc9uTxg4rIWz8U/Fu0M2pS3vhHwtIQYrKLAvdQjOcmR8/ulPGFAOQTnjBr0HQPDuk+F9JTTPD9hFY2aEsIoh1J6kk8sfcknitLRjvqyThE+Ges+MGFz8Vdee8j3h00PSnaCyjHPDn78h5HJII55Neh6ZpdjoumQadpNpFZ2duu2KCFQqqOvT3JJJ7kk1aoqZScgCiiioGFFFFABRRRQBi+I/B/h/xbafZ/EWlW96oGEkdcSR/wC64wy/gRXJf8I7428DHf4Q1H/hJdIX/mD6vLi4jHpDcfoA4wPU16PRVqTWgjkvCHxH0bxbczaeq3Gl61bcXGlahH5U6HHJAP3hweR+IGRXW1zfjHwFoXjeyEWsW5S5iH+j39uQlxbnOco+MjntyPauSPivxH8MZktviAzax4deTZD4hgjPmWq8BRcoo7nA3jqfUmq5VL4fuA9Rrk/FvxG0XwncJp7edqetTj/R9JsE824kJ6ZA+6Pc44zjNcv/AMJV4i+Kc89n4AkfRPDi7km8STQkyzsDgrbRkj0wXPTnoQAe28KeC9E8G2k0Wi2zCa5Kvd3c8hlnunA+/I55JySccAFjgDNLlUfi+4DlB4a8b+OlWTxnqn/CNaU4z/Y2iy5ncdcTXH6EIMEHqDXX+GfB+geDrFrTw3pcFhG+PMaNcvLjOC7n5mxk9SepraopOTat0AKKKKgYUUUUAFFFFAFLV9G03XtOew1qxt7+0cgtDcRh1yOhwe/vXCr8N9X8ITNdfDHXGtIvmJ0PVmeexfP90g74iOuQTnAB4zXo9FWpNaCOD0H4o2supLofjSxfwvrpJVYLtx5FzjvDN91gfTrzjmu8rO17w9pPifSZNM1+whvrOQ5MUo6HswI5U8nkEHmvPJbXxZ8KFM2mvceKvCMfzSWczZvNNjA5Mbf8tUA/hPPAAxyaq0ZbaMD1SsHxX410HwVp63fiG+W3EjbYYVBeWZvREHJ/kO9cZN8U73xo0emfCSy+33Loj3Wq3sTJa6erc4bPLyY/hH64IG94R+G1h4c1Bta1W7n1/wASS583V77l1B42xJkiJcEjA5wSM4wAcqj8f3AYpl+IPxCA+yh/AugyDPmSKH1K4U56L0h/9CBwea6Xwv8ADvw74Sma70+0a41OTPnanev591KT1JkbkZ7gYBrqKKlzdrLRAFFFFQMKKKKACiiigCK5tbe9tnt7yCO4gkGHilQMrD0IPBrgL/4Tw6deSan8OtUn8Lagx3NBD89nN7PAeB06rjHPFeiUVUZOOwjzmD4l6h4buorD4o6QNGMj+XFrFpmSwmPbLctET6P7nOK9DhmiuYEmt5ElikUMkiMGVgehBHUUy7s7bULOW0voI7i3mXbJFKgZXHoQetec3HgjX/Ad3JqXwwmFxp8kge48M3ch8lhj5jBIx/dsfQ/Lz6ALVe7LyYHplUdY1rTPD+mvqGt30FjaR8NNO4Vc9hz1J9BzXnn/AAu211SGLTfC+galfeKpdyto00RiNow4LTOflVAT1B5yM7c1o6P8NpNQ1KPXviRer4h1ZSktvbbClnpzY5SKLcQ/J++wJO1Twc0cnL8WgFIeLvF/xAZ4vh/Yrouitlf+Eh1SElpR6wQHBPP8TcdehrV0D4TeH9I1dNb1NrrxBrisHGparL5ro3UbF+6gB5GBkdjXcUUOb2joAUUUVmMKw5/+Rouv+vOD/wBDmrcrDn/5Gi6/684P/Q5q6cN/EJlsT0UUV6hAUUUUAFFFFABRRRQBBB/yNFr/ANec/wD6HDW5WHB/yNFr/wBec/8A6HDW5Xl4n+IXHYKKKK5igooooAKKKKACiiigAooooAKKKKACiiigAooooAKyvEfh6x8UaJNpupJmOQZRx96JuzKfUfr071q15/4r8e302unwf8PoY9Q8QsP9KuX5t9KQ/wDLSQ9C3on59gaUebQunVnSmqkHZrVM85tvHeq/B/Wrvwve2n9rySfNaW6SbPmP3X3H7qHHOemPY59D8M/Dye+1OLxV8R7iHWdfI3W9uozZ6cvZYkPBbuXOecY5G41Lr4K6WfDN0q3Et94juG8+bWbs5luJccg/3UPQKOgx1IzUXwp8YzB28I6/ujvbTK25kPJC9Yz7jt7fQVCmqT5I7dz6HFUnmuHlmELe0j8cUrafzefn/wAC79TooopnzYUUUUAFFFFABRRRQAUUUUAFFFcj448f23hNbfT7G2fVvEN+dlhpcB+eQ/3nP8CDux9/QkUk27IRo+LfGGkeC9HN/rU5XcdlvbxruluZO0cajqxOB6DPJA5ri7HwhrfxGvYda+JkbWelRSCWw8MI2UAx8r3J/jfn7vAHtkrWt4S8AXEGrDxT46uk1jxQ4IjdR+409Dn93AvbqcseT+JJ7uruo6R37geXXng7XPh1fS6x8MozeaXNKZb7wxJJtRieC1sxB8tu5XoccdAtdr4U8YaP4z0n7dolxv8ALIS4gkUrLbSYyY3U8gjp6cHBNblcL4s8BzvrP/CWeCJU03xNCo3g5EGooP8AllOB1yBgN1HHPAwXUtJb9wO6orkfBHj638UmfTNRt20nxJYDGoaVPw0Z6b0PR0PUMM8EeoJ66oaadmAUUUVIwooooAKKKKACiisPxd4v0jwToMmq65PsjHywwoN0lxJjiNF7sfyHUkDJppNuyEaOq6tYaHpc+pavdR2lnboXlmlOAo/qfQDk9BXmaprnxldjMbzQPApGFRf3d3q49T/zzhPp1YfX5bWk+D9X8eatb+JfiXCIbSFvN0vw3nMdv1xJcf35MY46DkEclR6bWl1DbcDzbVPhb/YF1Frnwskj0PVLaIRvYkZtL+Nf4JF6hjgDzM569+RseCviDbeJ5ZtJ1S3bR/Etj8t7pU5G5Tj78Z6Oh6gjt7EE9jXLeNfAlj4wggnE0unazYnfYapbHEtu+c/8CUkcqf0PNHMpaS+8DqaK4Hwp46vYdWTwp8Qkg0/xHwLaWMEW+ppg/PESMBuMFTjnp1wO+qJRcXqAUUUVIwooooAKKKKACiiqup6pZaLpdxqOq3UdpZ2yb5ZpWwqj/PGO54pgWXdYo2eRlRFBLMxwAB3Jry+/8V658Sb6fR/hpc/YdGhfyr/xMyHr/FHbA43Njq/QZ4I+UmFItY+M0xkuvtOj+As5iiUmK61j/abukJ7DqePUFfULGwtNLsIbLTraK1tYFCRQwoFVB6ACtNIb7iPPLn4I6Bb6TAPDFxdaNrtoWkg1uOQvcNI33jKcjzA3II4HJxjJqz4Y+IF7ba3F4T+IkEWm+IHz9muYgRa6ivABjY9H5wV9enUCvQayfE3hfSfF+iSaVr1qtxbOQw7NG4zh1P8ACwyeR60c99JAa1FeXad4o1f4aarb6B8Q7pr7RrqTytM8REfdOOIrn+63HD8g9Txkr6iCCAQcg9CKmUXEAoooqBhWHP8A8jRdf9ecH/oc1blYc/8AyNF1/wBecH/oc1dOG/iEy2J6KKK9QgKKKKACiiigAooooAgg/wCRotf+vOf/ANDhrcrDg/5Gi1/685//AEOGtyvLxP8AELjsFFFFcxQUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUV5hrHiLVPiPrFx4Y8C3Etpo9tJ5Wr+IougIxugt27uQRlv4Qc9xmoxuIl1/xfqfjDXbnwd8Op/KeH5NW18LuisB3jjOfmm7cdPUEEr2HhPwlpXgvQU0rRInWHeZZZJW3STyN96R27scDn2A6CpvDnhzSvCmhwaToNolraQjhV6se7MepY9ya1KcpK1lsAV5X8WfCUsbx+MNDBjvbNle58sckL92T6rgZ9vpXqlNkjSaJ4pVDxupVlYZDA9QaylFSVj0Mvx1TAYiNaHzXddUc94H8WQ+LvDcV4pVbqPEd1Ep+4+OuPQ9R+Xaujrw5TL8JPiZtYsdD1Dp1OIyf/QkP5j617gjrJGrxsHRhlWU5BHqKVOTas90decYGnh6sa1DWlUV4/qvVC0UUVZ4oUUUUAFFFFABRRXB+M/G2oR6vH4R8Cwx3via5XMkjjMOmxH/AJbSntjsvc44OQDUYuTshE3jTx3NpmoReGfCVsmq+KrxcxW2f3don/Pac/wqMg46ngDrVjwP4Di8LfadT1S8fWPEmo/Nf6rOPmfp+7QfwRjAwo9B6ACz4K8D2HgvTpUhlkvtRu386/1O5AM11KepJ6hc9FycZ7nJPS1TkkuWIBRRRWYwooooA5Lxp4Eh8TSW+q6bctpXiPT1P2DU4vvJ32OP44zkgqezH1Oangfx1c6pfTeGvF1p/ZXimzTdJbnhLuPp50J/iU4OcdMH8O4rmfG/giy8aaXHHJNJY6laN5un6lbnbNaSeqkYOD3GefYgEaKSa5ZCOmorz/wR47v5dXfwf48hSx8T2q5SVeIdTjH/AC1iPAzjkqPcgDlV9AqZRcXZgFFFFSMKKK5fxt44tvCFnDDDA2o61ft5WnaXAf3lzJ/7Kg6ljwB700m3ZCJfGfjWw8GaYk1zHLeX103lWOnWw3TXcp6Ko64zjJ7e/SsLwl4H1C61hfF/xEaO88QnP2S0Rt1vpcZx8kY6F/V8ntj1MngbwJd2OpSeLPGs66j4svEwzjmKwjP/ACwhHQAZIJ75PqSe8q21FWiAUUUVmMKKKKAMXxV4S0jxlo7adrcBdQweGeM7ZreQdHjfqrD9ehyOK5Hw14q1nwnrUHhL4kTpLJMSula6PljvgDxHL/clx6/e9zy3pFZniLw7pnirQ7jSdbtluLWccjoyHsynsw6g1cZaWewjTory3w9r+rfDnWoPCfju4a50i4k8rRdfcfK3XbbznorgDg98fl6lSlHlAKKKKkYUUVk+J/E+l+ENAn1jXLjybaHgADLyueiIP4mPYficAE00m3ZCJde1/TPDGi3Gra5dpaWduu55HPX0AHUk9ABya880zQNW+KWpxa/46tZLDw5C4k0vw85w0x7T3PqechO3fjO6z4a8Naz401yDxf8AEO3NtHbuW0jw9IuUtBjiaUH703JxkfL1GDgL6XWl+TRbgFFFFZDCiiigCtqOnWer6bPp+p26XNpcIUlhkGVdfQ15lBd6t8Hr5LbWbifVPA0zrHbXzkvNpB4CpL3MXQBh0x0Hf1aorq1gvbSW1vIUngmQpJFIoZXUjBBB6irjK2j2ELb3EN1bRXFrKk0EyB45Y2DK6kZDAjggjnNSV5MsGofBa9d4PtGoeApn3NEMyS6OzHll7tFk8jqM59c+p2d5b6hZw3dlMk9vMgeOWNsq6noQaJRtqtgJqw5/+Rouv+vOD/0OatysOf8A5Gi6/wCvOD/0OatsN/EFLYnooor1CAooooAKKKKACiiigCCD/kaLX/rzn/8AQ4a3Kw4P+Rotf+vOf/0OGtyvLxP8QuOwUUUVzFBRRRQAUUUUAFFFFABRRRQAUUUUAFFFeW63rd18U9Uk8L+Dbye30G3laLXdYhAAlXj9xbvk5J+YMcYAA5IODcY3EM1vW9R+KmsXXhbwXevZeH7Vtmsa7CeZj3t7c9CfVumPb73o2h6FpnhvR4NK0Ozjs7K3XbHDHnj1JJ5JPUkkk96XRNFsPDui2uk6PbrbWVqmyKNew6k+5JJJPcmr1EpX0WwBRRRUDCiiigDl/iD4UTxZ4Xlto1BvYMy2rdPnA+7n0bp+R7Vz3wd8VNqeiyaFqDt9t07iMP1aLOAPqp4+mK9Jrxbx/YT+A/iBZeLNKjxa3UmZkUYG/wDjU/7wyfrmsp+6+dH0+VSWPw08sqPV+9Dykt180e00VBY3sGo6fBe2b+ZBcRrJG3qpGRU9anzMouLae6CiiigQUUVwfjXxjey3reEPAE0Fx4qmKCYurMmmQMCTPIdpXIwuEJyS6nBHBqMXJ2QiLxv421GTWF8F/D8R3Pia4XNxcMMw6TCcfvZD03YPyrz2JHKht3wR4I07wPorWliz3N3cP519qE5zNeSnku5PPUnAzxnuSSV8E+CdP8EaO1rZvJdXly5mv9QuDumvJjyXdjk9ScDPGe5JJ6OqlJW5Y7AFFFFZjCiiigAooooAKKKKAOc8Z+CtN8Z6WkN6GgvLZvNsr6Fis1rKOjqw+nTpWP4O8YX0ert4Q8ceXB4hgUm3uVG2LVIh/wAtY/RgPvJ+I46d3WB4w8IWPjDSVtrtpLe6t386yvYG2y2sw+66N2IIFaRkrcsthG/RXEeEvGE8eow+EPGTNF4lhiLLOYwkOooGOHiOTltu0suAQScDAzVvxx47tvCcUFjaQSaj4g1EMmm6bAoZ5XwcM/I2xg/ebPAz6GlyO9gF8b+OrbwnDBZ2lu2p6/qB2adpUJ/eTt/eP91B1LHjANQeC/A0mj3k/iDxRcR6r4qvc/aL1QdkCdoIQfuxj1wCcknsA3wH4Fl0CW41/wASXX9peK9TTF9eE5SNc5EMQx8sYwPqRnpgDtKbaS5YgFFFFZjCiiigAooooAKKKKAKGt6Jp3iPRbnSdatUu7K6TZLE46+hB6gg8gjkEAivP9G1rUfhlrFv4Y8ZXcl5oN0/l6Prs55jPa3uD0Df3W6H/wBB9PqlrOj2HiDR7nStYtkurK6TZLE/Rh1/AggEEcggGrjK2j2EXaK8z0bWLv4ZanD4Z8YXk1zodzKsWh6zMARGOf8AR7h8jDDChWxgjPIxgdx4g8SaR4V0s6jr96lnbBggZlZizHoqqoLMfYA0OLT0Aj8UeKNL8IaFNqutT+VDHwiAZeZ+yIO7H/PFch4a8Lan4t1yHxn8Q7XypI8nR9Ck+ZNPQ/8ALSQH70x4PP3fYgBH+FvC+qeJNch8Z+P4fLuo8tpGjMcppqH+Nh3mPHP8P1+76JVNqCstwCiiishhRRRQAUUUUAFFFFADZI0mieKZFkjdSrIwyGB6gjuK8qubW/8Ag7qwvNO33PgO6mzd2uC7aQzHmRMAkxZ5IGcc/WvV6bJGk0TxTIskbqVZGGQwPUEdxVxlb0EQ6fqFpqunwX2nXCXNrcIHiljOVYGsuf8A5Gi6/wCvOD/0OauKe3l+Dl/dahE1/d+CJkJNjAolOlTFwdyhmGITlycZwSOO9dbb6haarrEl9p1wlza3FhbvFLGcqwLzV04eNql1sJ7F+iiivRICiiigAooooAKKKKAIIP8AkaLX/rzn/wDQ4a3Kw4P+Rotf+vOf/wBDhrcry8T/ABC47BRRRXMUFFFFABRRRQAUUUUAFFFFABRRXl+pa/e/E3xE/hzwm+PDFlOqa5qquVF0M5a1hZSDhgCGdT0PBxjdcY3EQ65rmo/FTWbjwr4MuXtfDtu3l6zrkR/13rbwHvnoW/p970fQ9D07w5o1vpWjWyWtnbrtjjQfqT3J6k96XRdE07w7pEGl6LaR2dlbrtjij6D8TyT7nk1eolK+i2AKKKKgYUUUUAFFFFABWL4t8PReKPDF3pkoUPIu6FyPuSDlT+fB9ia2qKGrqzNKNWdGpGrTdmndfI8q+DHiCVYbzwrqWY7mydnhR+oG7Dp+Dc/8CPpXqteMfEmyn8GfEDTvF+mIfKnkBmVeAZAMMpPbemfxDGvYLK8g1CwgvLRxJBcRrJGw7qRkVlTdvdfQ97PKUKsoZhRXu1Vd+Ul8S/Xz1J6KK8+8beN9Qk1keCvACpdeJrhN09y3MOkxHGZZeCN2D8q+4JByFbeMXJ2R84HjfxtqL6yvgrwAqXXia5j3T3JwYdJiPWWXr82D8qe4JByqtveCfBOn+CNHa1s3kury5czX+oXB3TXkx5LuxyepOBnjPckkv8HeDNM8F6QbXTk8y6uNsl9fSFmlvJsfNK7MSck5OM4G44610FVKStyx2AKKKKzGFFFFABRRRQAUUUUAFFFFABRRXKeNfHNv4VW2sLOBtT8QakfL03S4jh5m6bmPREHUscDAPoapJt2QjA+NE+ky+HrXTHgmvPEtzLnQoLN9twlwOkqt/Cq9WY4GBisf4VRPofjbVLT4geYfHV+m9L64kDR3lsMfJbnAACkfMgGeAeg47Xwd4OOlsNe8SCG98WXcRW9v0LFVUsWEUYYkIighflA3bcnmr/i3wjpvi7Svs9/GUuYcyWd5GxSW0mx8siMCCCDg+h75rXnSXJ/X/DAb1FcL4O8YX8erHwh44CW/iG3j3QXIwsWqRD/lpH6OBjcnbkjjp3VZSi07AFFFFSMKKKKACiiigAooooAKKKx/FHijTPCGgzatrM/lwx8Ii8vM56Ii/wATH0/pTSbdkIpfEHUPDth4I1A+MVSbTJo/Le2blp2J+VEHUvnBGOQRnjGa8h8I2t94a8WaFefFiG+Gmuhj8NPf3Cyx6Y5Y7Y58KMTbNuHPTGOCPk9C8LeGtR8R6uvjHx9Zql4rh9H0p2JGlx88sM7WlbIJJGV2jGDkDtNY0bT/ABBpFxpes2kd3ZXK7ZYZBww/mCOoI5B5FbKSguX+vkBdorzXT9dvfhv4hj8O+Kn3eG72YpomrMxItsnK2szMSeBwrseQOT12+lVlKNgCiiipGFFFFABRRRQAUUUUAFFFFADZI0mieKZFkjdSrIwyGB6gjuK888NeCI/BnjTV49GvnXRrm3imj010yLd2eT7j54X5W+XH8XXivRaw5/8AkaLr/rzg/wDQ5q6sK3z2JlsT0UUV6ZAUUUUAFZFzql2r3slpDE8FjxIHJ3SEKGYL6YBHXqa16w7m2vYf7Tt7a1My35LRyh1CxlkCHdk5wMZ4BoA1ZbpI7B7sHMaxGXPqMZrP0fUrjUCGlmsHGwM8dvIWdCexHarBimFjPZxW6MscASJpyGSU7cYKjnHY/WqsEE9zq1pctYGxS2idG3Mp35xhRtJ+UYzzjtxQBce9tbHxFaSXtzDbRm0nUPNIEBO+HjJ78GugjkSaJJInWSN1DK6nIYHoQe4rFg/5Gi1/685//Q4a3K8zE/xC47BRRRXKUFFFFABRRRQAUUUUAFBIAJJwB1JpGZUUs5CqoySTgAV5Tf6xqPxe1i50HwrcyWXg+1YxaprcPD3rd4Lc9Nvq/I59Mb7jHmESa3q+pfFTU7rw14NumtPDds/laxrkZ/4+D/FbW578febpj2I3+iaHoeneHNGt9K0a2S1s7ddscaD9Se5PUnvT9I0iw0HSLbS9HtY7SytU2QwxjhR/Uk5JJ5JJJ5NXKJSvotgCiiioGFFFFABRRRQAUUUUAFFFFAGH4y8PR+J/Cl5prgeYyb4G/uyLyp/p9Ca4v4La+82l3fh29LLc6exeNHByEJww/Bv/AEKvUK+aviJrbeHfi9dL4F1FIbuRc308aB0smcFXBHRn/ix6n2qHF8ykvn6H0WW1Y4jCVcvnu/eh195dF6r7tWepeNfGupXWt/8ACE/D7ZP4hmXN3eEZh0qI/wDLRz/fwflX6E9gd/wR4H0zwNorWenl7i5uH829vpzumu5T1dz+JwO2fUkl3gnwlo/hLQEg0XM5usT3F/K2+W8duTI7dSTnPoM10Vbykrcsdj52zT1CiiiswCiiigAooooAKKKKACiiigAoorkPHHjr/hG2t9J0SzOr+JdRytjp0Z/8iSH+GMdSTjoeRyRSTbshCePPH0PhKK30/TrZtU8R6l8mnaXFy0jf33/uoOck46H0JEHgPwHLoVxceIPE9yuqeK9SGbu8I+WFe0MQ/hQcD3x6YAl8C+BG8OS3Ot6/ef2r4o1If6ffk/KBnIiiGBtjGF49u3AHZVTaS5YgFFFFZjOf8Y+DdP8AGWkra3rPb3MLiW0vYDiW1kHR0PYisTwh4w1GHW/+EO8dhY/ESBntrqOPbDqcIGfMTHAYAHcvGMfl3dc/4y8G6b420M2Gpho5Y28y1u4uJbaQdHQ/zHQitIyVrS2EdBRXnHg3xnqmla6vgj4ibYtZUH+z9RHEWqRDoQe0g7r1P16+j1MouLAKKKKkYUUUUAFFFYXi7xfpfgzRG1HVnYlm8u3tohumupT92ONf4mJ/LqaaTbshDvF3i7SvBXh+XVtbmKRKdkUSDMlxIfuxovdj+nJOACa5bwt4W1TxJr0PjTx/D5d1H82k6MxymmoejuO8x9f4fr92Hwj4N1XX/EEXjj4jIDqKjOlaPnMWlIe5HeU4GT2PuAF9KrRtRVluAUUUVkMo6zo2n+IdHuNL1i1S6s7lNksTjgj19iOoI5B5rzjSte1L4Va3b+GvGd0934ZumEWj67N1tz2t7g9Bx0f254zs9VqjrOjaf4h0e40vWLVLqzuU2SxOOCPX2I6gjkHmrjK2j2EXqK8q0bUdR+EmoQ+H/FNy954Tmfy9M1mU5azJ+7BOey9lfoO+B931RWV1DIQysMgg5BFEo2AWiiioGFFFFABRRRQAUUUUANkkSGJ5JXWONFLM7HAUDqSewrn0vbW+8RXcllcw3MYtIFLwyBwDvm4yO/Iroqw5/wDkaLr/AK84P/Q5q6sN/EJlsT0UUV6ZAUUUUAFFFFABRRRQBBB/yNFr/wBec/8A6HDW5WHB/wAjRa/9ec//AKHDW5Xl4n+IXHYKKKK5igooooAKKKKACmTTRW1vJPcSJFDEpeSSRgqooGSST0AHeq+q6tYaHpc+pavdR2lnboXlmlOAo/qfQDk9BXmsdhqnxjuI7zVlu9H8EwyK9vp7KY5tZHJ8yU5BSL7u1cHcDnj5SLjG+r2EJPd6j8ZbprPTGuNN8CRsVub4ApLrGDgxx91iyCC3U9PXHpunabZ6RpsGn6XbR2tpboEihiXCoPYVLb28NrbRW9rEkMEKBI4o1CqigYCgDgADjFSUSlfRbAFFFFQMKKKKACiiigAooooAKKKKACikZlRSzkKqjJJOABXl1/4i1b4o6lLongS8lsPDkDtFqfiKIDdKw6w2xPXPeQZxkEcY3XGLYix4g8X6n4w1y58HfDi4EckJ2atroUmPT1JwUjP8Ux5AA6c8gglbOsfC/SLT4ZzaDoNriaAm5jnkwZZ5hyWkfHzMwJGT7Y4ArrfDnhzSvCmhwaToNolraQjhV6se7MepY9ya1KU2muVbG+Grzw1aNaG8Xc85+DniT+0/DTaRdNi7007VVuCYj0/I5H5V6NXiniSKT4bfFS31y2QjTNQYmRV6YOPMXHsSGFe0QzR3EEc0Dh45FDo6nhgRkEVjTenK90e1nmHh7WOMo/w6q5l5P7S+TH0UUVofPhRRRQAUUUUAFFFFABRRXn/ivx1qF5rD+EvhzHHfeIAwF3eSLuttLQ9WkboX44TnvnptNRi5PQRa8aeO5dMv4/DXhO3XVfFd4mYbbP7u0T/ntOf4UGc46ngDrVjwN4Ch8KLc6jqN02q+I9SO/UdUlHzSH+4g/hQcAKMdB6ACz4M8D6d4MsZRbvJe6ldt5t/qVyd013ITksx7DJ4UdPc5J6WqcklyxAKKKKzGFFFFABRRRQBjeKvCul+MdDfTNYiLJuEkM0Z2yW8g+7JG38LD1/A8E1x/hnxZrHhTWIvCXxJnR5JGK6XrxISK+UchJOySgev3unJ5b0mszxF4d0zxVodxpOt2y3FrOOR0ZD2ZT2YdQauMtLPYRp0V5bpmu6r8LdSt/D3jOabUPDcpEem+InXmDJwsNz2GOgfvxx12+oo6yxq8bK6MAVZTkEHuDRKNgFoorkPG/j2Lwx5OmaVZvrPiS+H+haVByzdf3jn+CMYOSfT6kJJt2QFzxn420/wZpqS3KSXd/dN5dhptuN015L0CqBzjJGT29zgHC8IeCdSuNaXxh8QpEu/EDKRa2agG30pCfuR8kFyMZfr2Hcmx4N+H76Zq0ninxZd/2v4qu4wslwVxFZqRzDAv8KjJG7qeTxkg9xVNqKtEAooorMYUUUUAFFFFAFbUdNs9X06aw1O2jurWdCksMq5Vga8zt7rVvg9frba1cz6n4GmYR2185Mk2kHgLHL3MXQBh0x27+q1FdWsF7aS2t5Ck8EyFJIpFDK6kYIIPUVcZW0ewhbe4huraK4tZUmgmQPHLGwZXUjIYEcEEc5qSvKJbTV/g1cCbRbe41XwM7l7mzQGSfSc8tJH1LRdyO3zHjOa9N0zVLHWtMg1HSbuK8s7hd0U8LBlYdOvsQQR2IIolG2q2AtUUUVAwooooAKKKKACsOf8A5Gi6/wCvOD/0OatysOf/AJGi6/684P8A0OaunDfxCZbE9FFFeoQFFFFABRRRQAUUUUAQQf8AI0Wv/XnP/wChw1uVhwf8jRa/9ec//ocNbleXif4hcdgooormKCiiigArE8V+L9H8GaOdR1258pGYJDEi7pZ3PREUcsT+nU4FYnjD4jQaFqMWgeH7Nte8T3PEOm27DEQ/vzN0jQcHnn6DkQeE/h9cJrH/AAlPj66i1rxM4HlMExb6cnOI4F/HlzyfrktoopK8hGfpfhPWfiBqkPiD4k25tdPhYSad4Z37o07iS5/vv/sngdCOSK9NooqZScgCiiipGFFFFABRRRQAUUUUAFFFFABVTVNVsdE0yfUdWuorSzt13yzSthVH+Pt1NY/jHxzo3gmwSbVJWlurg7LSwtxvuLp/7qIOTzjnoMj1FcrpfgvV/HeoW3iH4oxrHBC4lsPDKNugtz2knP8Ay0k56YwB9So0UdLvYRXxrHxlkyRdaL4EyMKwMdzrI46944euO7D6/L6bp+n2mlafBY6bbR2trboEihiXaqKOwFTqqooVAFVRgADAApaUpX0WwBRRRUDOb8e+GF8V+E7iyQD7VH++tmPaQDgfiMj8a5j4N+KGv9Fl0C/JW803/Vq4wxiz0+qnj6EV6XXi/wAQtOufA3jyz8X6OmLe4kzOg4HmfxKfZl/UH2rKfuvnR9NlMo47Dzyyo9X70H2kunzR7RRVXS9SttY0u31Cxffb3CB0P9D7jpVqtT5uUZQk4yVmgooooJCiiigApGZUUs5CqoySTgAVn69r+l+GNGn1XXbyOzs4Bl5JD1PYAdWJ7AcmvOltNe+MUgk1WO78P+B/vR2efLu9VHZpCPuRH+6OT+RFxjfV7CJ9S8V618RNSl0P4b3DWekxPs1DxOFyg6Zitv778/e6DsehPbeFvCmkeDtFj0vQrbyYV+aR2O6SZ+7u3VmP/wBYYHFaGn6dZ6Tp0NhpltFa2luuyKGFQqoPQAVZolLSy2AKKKKgYUUUUAFFFFABRRRQAUUUUAVtR0601bTp7DUreO5tLhDHLDIuVdT2NeZ41j4NzSOBdaz4DyW2KDLdaRnJ47vDn15UY9Du9RnuIbW3knupUhhjUs8kjBVQDqSTwBXl9z4k1v4rXEuleA5p9J8NqWjvfEbRYe47eXbKSDzyC/btjA3awv12EXtY+Jw1u6j0H4XGDW9YuYxI16Dus9PjP/LSVh/F6IOc9fQ7XgnwFZ+EUnvbieTVNfv8NqGrXHMk7eg/uoMDCjsB1xXKD4d6p8MnXVfhc73dqqKNQ0G8kJF4FHMkb/wykDHTBz7YPZ+DfHWkeNbBn0+Rre+gOy8024Gy4tXGNysh5wCcbun45ActI+5sB0lFFFYjCiiigAooooAKKKKACiiigAIBBBGQeoNeZap4U1n4f6lNr/w3txc6dK3maj4aHyrLxgyW/ZHxj5cc4/A+m0VUZNCMTwr4u0jxlpP2/RZ2YKdk0Eq7Jbd+6Ov8JHI9OOCa264PxX8PrmbVm8TeA75ND8SBSJG2/wCj34/uzoAdx64bGQcegxN4O+I9vr98+h69atoXia3yJtNuG/1mP44m/jU9eOevXGapxTV4gdtRRRWYwooooAKw5/8AkaLr/rzg/wDQ5q3Kw5/+Rouv+vOD/wBDmrpw38QmWxPRRRXqEBRRRQAUUUUAFFFFAEEH/I0Wv/XnP/6HDW5WHB/yNFr/ANec/wD6HDW5Xl4n+IXHYKKK5Lxd8RtI8KXUOmqk+ra3cECDSdPXzJ3z3I/gXvk9umcVgk27IZ1NxcQ2ttLcXUqQwQoXklkYKqKBksSeAAOc15ne+Mte+Id02l/DDNrpQfy7zxPPF+7UfxLbocF27bugI9w1LbeA/EPjyePUPircrDZRyeZb+GbGT9wmDlTPID+9Yeg44yDyRXpVta29lax21nBHbwRKFjiiQKqAdAAOAKv3Yeb/AAAwfB3gbRvBGnPBpUTSXM7GS7vrg757pzyWd+p55x05Pqa6Oiis223dgFFFFIYUUUUAFFFFABRRRQAUUVheKPGeheDbOOfX75YGmbZBAil5p2/uoi5LHJA9BkZIppNuyEbtec+IPiVc6hqUvhz4YWkeu62vE94W/wBCsBnkySdGb/ZHv3G00zp3jL4oMf7dW58H+Fi3Gnxvi+vl9JWH+qU/3Rz1Bzwa9C0PQdL8NaTFpmhWMVjZw/ciiHGe5J6knuTkmtLRjvqwOa8G/DmDw/fNr2vXsmu+KLhcT6ncj7gP8ES9I1wccdeeg4Ha0UVDk5O7AKKKKkYUUUUAFZviDRLbxFoN1pd6uY50wG7o38LD3B5rSoo3Lp1JUpqcHZrVHjvwx1268L+JbrwTrzbMSsLcs3Cyddo9nHI9+3NexV5t8W/Br6pp6eINJRhqOnjMgj6yRg5z9V6/TPtW38OvGS+LvDoadgNQtcR3K9Nxxw4Hof5g1lB8r5H8j6PNacMdQWaUVvpUXaXf0l/Wp11FFUdZ1vTPD2mSajrd9BY2kf3pp3CjPYD1J7Acmttz5kvVxvi/4j2Ph2+XRNKtZdd8SzAGDSLPl8EZ3SNgiNcc5PODnGORgt4h8W/EweT4Jjl8NeHWJEmu3cf+kXS9CLeI/dH+2ce2CMV1/hDwNoXgiwe30K1KyTNvuLuZvMnuG/vO55PrjgZJwBmtOVR+L7hHMeHvhzqOqayniX4o3kOsammTaaai5stPz/dQ8O4/vH9SA1ekUUVEpOW4BRRRUjCiiigAooooAKKKKACiimTTRW1vJPcSJFDEpeSSRgqooGSST0AHemA+ud8XeONF8F2ccmrzs1zcZW0sbdDJcXT/AN1EHJ5wMnAGRk1yt/8AEPWPF9zLpXwms0u9jFLjxBeKVsrc9xH3lcewI6HkGtrwh8NdN8NX8ms6hcS654jnLGbV70Zk5/hRckRrjjA7EjOOKvlUdZfcI52Hwd4j+JV7FqXxHLaZoaMJLbwzBIf3g6q1y4PJ77R09uQfT7a1t7K1jtrOCO3giULHFEgVUA6AAcAVLRSlJyAK4vxh8ObbX75Nc0O6k0PxNbL+41K2ON+OiSr0dCcZB5xx04rtKKSk4u6A8+0D4izadexeHviXBHomtlvLt7r5vsmo4HLxyYCqeOVYg8rjrgeg1n63oOl+JNLl03XbCG+tJRhoplz+IPUH0IwR2rz7+zfF/wALvm0L7R4s8Kpgf2bIwN7Yr0/dNj96o/unkDAHdquyltowPUaKw/C3jLQ/GVjJc6DerMYSFuIHUpNbsf4ZEPKngj0ODgnFblZtNOzAKKKKQwooooAKKKKACiiigArnfGHgfSPGthHDqaPFc27eZaX1udk9s46Mj9RzzjocCuiopptO6EeX2XjLXvh7eR6T8Tm+16U2EtPE8MXyMefluFBJRuihsYPfPJr0y3uIbq2iuLWVJoJkDxyxsGV1IyGBHBBHOaS6tYL20ltbyFJ4JkKSRSKGV1IwQQeorzW68D+I/Ak81/8ACq4SeylbfN4avnzATjkwyE5iPtnacjPAArT3Z+TA9PorkvCnxF0jxRfTaU6T6Vrtt/x8aTfp5cycZyvZ175HbB7iutqGmnZgFYc//I0XX/XnB/6HNW5WHP8A8jRdf9ecH/oc1b4b+IKWxPRRRXqEBRRRQAUUUUAFFFFAEEH/ACNFr/15z/8AocNR+KvHPh3wXarL4h1OK2eQfurZfnmm7fJGMseeM4wO5FYniTS/EOsa9ptp4c1uPREe2uPtd0LcSzbN0Pyxg8An+8enUVe8LfDTw34UuDfWtq99qz/63VdQkM9zIemd7fd44+UDI6152IUfaXZa2MKWTx98QbdTYBvA+hzEgyzjfqcyYGCEHywg5I+9vGM9OvUeEfAmgeCbNotDsws8vNxezHfcXBJyS8h5PPOOBnoBXRUVzObasthhRRRUDCiiigAooooAKKKKACiisDxP468NeDokbxHq8Fm0n+rhOXlf6IoLH64ppNuyEb9UdX1rTNA0977W7+3sLVOstxIEX6DPU+w5NcC/irx/4yyngnQE8P6a8eV1fXxiR8nrHAuTnB3Av8pHXHfT0b4V6XBqCat4qu7jxVrK8i71PDRxE/8APKH7iDp2OCODV8qXxMDNk8YeK/H0b2/w5086TprAZ8RavEVDrnB+zwkZc9wzYXgg4OK2vC3w00fw7ff2tevNrmvvzLq2ot5kuT2QHiMdQAvIHGTXY0UOelloAUUUVmMKKKKACiiigAooooAKKKzda8R6N4ctftGvapaadEc7WuZlTd7AHkn2FPcDSIyMHkV4h4t0y6+FvjOLxPoyhdJuGPmx7tqJnloz6KeoPb8K6b/hZWs+LMwfDPw1cXkbZC6zq6Na2Sjs6g/PIPYAGkT4Rf8ACQytd/E3XrrxLOQfKtEJtrS2JxykaHlhjGWPPcE80SpJr3nb8z08tzGWCqS05oSVpRezX/AI0+K974w/0P4WaHJqkxAWbU78GGys2IBwx6yMM8qv1BIq/pPwujuNXi13x9qUnijV423QrMmy0tCe0UHTj+8ck4BwDXF6dc6h8GvF39nXYebw9dH5SEwNv99QOAy9x3H4Ee22d5b39nFd2UyTwTKHjkQ5DA0Rq30irfmVmOWywbjUi+anNXjJbenk0TUUUUjygooooAKKKKACiiigAooqC+v7TTLKW81G6htLaJd0k07hEQepJ4FMCegkAEk4A6k15xc/FyPV5GtPhtod74sulJVp41NvaQn/AG5nAGe4A64601PAXiXxlGsnxO17Fo3J0HRS0FuePuyyf6yQeoyBnoavkt8Wgi9q/wAU9OXU30bwdZT+K9aXhrfTiDDATnBln+4gyMHqQe1Z6fDXWPFmoi++KesJfwRvmDQ9MZ47FMcgvnDSnPPOPxBxXfaRo2m6Bp0dhotjb2FpH92G3jCLn146k9yeTV2jmt8IEVraW9jax2tlbxW1vEu2OKFAiIPQAcAVLRRUDCiiikAUUUUAFFFFAHHeKfhppPiLURrNnNcaL4gjXEWq2D7JB6Bx0ccYwe3GRWHH4z8XeBphbfEbS/7T0tTx4i0mIlVXPBnhAynuV46AA9a9NoIBBBGQeoNaKelnqIo6PremeINPS+0S/t762cAiSCQMBkZwcdDz0PIq9XB6x8KNLl1E6x4Sup/C2tbi/wBq07iKU/8ATSE/I4z14Ge+aojxT478FIE8a6GPEWnrgf2toKZlUZxmW3ODnuSnAFHKn8LA9Korn/DPjrw14vjJ8P6tBcyL9+A5SVCOuY2ww/KugqGmnZgFFFFIYUUUUAFFFFABRRRQBz/irwNoHjO3VNcsVeeIYgvIj5c9ueuUkHI55x09Qa5KCXx/8PNy6gsvjfQFPyzwgDUbZB13IeJvwO4nNem0Vam0rPYRieGvGWg+LbUS6HqMM8gUmW2LbZ4CDgiSM/MhBGOR9MjFJP8A8jRdf9ecH/oc1UfE/wAOPD/im5W+ngksNWj5h1XT5PIuYyOh3j730bNZvhrTPEOka9qdp4k1qPWkW2t/sl0YBFN5e6YbZAOCRj7w65Oa6cOo890J7HT0UUV6JAUUUUAFFFFABRRRQBBB/wAjRa/9ec//AKHDW5WHB/yNFr/15z/+hw1uV5eJ/iFx2CiiiuYoKKjnuIbWBprmVIYk+88jBVX6k1z9/wDEbwZpm4XvirSI2U4aMXsbOP8AgIJP6U0m9hHSUV58PjZ4Ouro2uhy6jrtyM/udL02aZuBnj5QD+BpF+InijU42k8O/DLW5VUqP+JtcQ6eeevDkk49gfwq/Zy6oLnoVFeeQxfFrWpR9qufDvhi2IPMMT3twDjjIJVCPxpo+FF1qsgfxr431/XFJ+e1hlFlayj0aKL+jCjlS3YHT67448L+GVk/t7X9PsnjXc0Mk6+aR7Rj5j17A1y5+Kd/rfHgHwXq2uIThb26AsbVvRleTlhjJ6DsO9dFofw78IeHIoU0bw5p1u0HKTGASTDknmVsuevc8dK6Si8Fsrgec/8ACK+P/FQz4t8UpoNo3P8AZ/hxSsmPRrh8tkDg7Rgnn0re8NfDjwp4Tma40fSIhePgve3DGadz3O9ySMnkgYGe1dRRSc21YAoooqBhRRRQAUUVg3vjrwnpv/H/AOJtItzjIWS+jDH6Ddk00m9hG9RXn1z8cvAEMvk22tNqFwfuw2NpLMzfQhcfrTX+Jus3szQeHPhx4lu5RnDajEunxNxn78h/pV+zl2C56HRXnaX3xZ1qZVj0fQPDNuzDe91ctezIucHaE2qWHLDJAPA45pH+G3iXVmI8UfEnWbqH/nlpkEengjqASmSfz5o5Ut2B2WseJNE8PW5m13VrLT0AJzczqhPGcAE5J9hzXGt8ZNN1Vmh8CaJrHiuYfL5lnatFbI/92SaTAXPPOCOK1tG+FPgnRJDNb+H7W5uWKs11fg3UpYfxbpN20/7uP0FdcqqihUAVVGAAMACj3F5ged/Yfij4n5vtS03wbZNn9zYxi9uip/haRsIpx/EozmtPR/hV4W0y4S8vbWXXdTUYOo63MbudsEkcv8q4zgbQPz5rsqKXO+mgBRRRUDMzxD4esPE+jy6bqkW+J+VdeGjbsynsR/8AWPFeRaXqus/CDxAdK1tXu9EuGLRyRjgj++meh/vL/wDWJ9wqhrWh6f4h017HVrZZ4W6ZHKHGNynseetRKF9Vue1l2ZLDxlhsTHnoy3XVPvHs/wAyXTdTs9XsI73TbhLm3lGVkQ/ofQ+x5q1Xh93oviv4T6jJf6JK1/ojN+8UjI29cOv8J6jeP0ziu30D4veFNXtSdQ1O10a6QfvIL64WMD3DnAI5HofaiE+Z8r3Kx+UujT+s4aXtKL6rdeUl0f8AWh3NFcJf/Gv4eae+yTxNbzvnAW1jknz+KKRVeX4syT7V0TwH4u1AuoaOVtNMELgjP33I7e3PFb+zl2PCueh0V50+ufFjVWMem+ENF0AD/lrq2p/acj2WAcHHvTpfAvjbWSo8QfEe7gt2UeZbaJYpaMrd9sxLOR+HvgUclt2B3Oo6pp+kWpudWvraxgHWW5mWNR+LECuLvvjL4ZW6ez8PJqHii8UlTDolo1wAfd+Ex1OQTwCafpnwa8GWN2Ly/wBPk129wVNzrU7XbEHrlX+TqSfu9Sa7SzsbTTrVbbT7WG1gThYoIwir9AOKPcXmGp5/9u+Knijix03S/Blk/Hn30n2272no6RrhAcdVfvVm0+EWi3N6upeNLm68WaoG3+dqT/uU9kgXEar04INd9RRzvpoBFa2lvY2sdrZW8VtbxLtjihQIiD0AHAFS0UVAwooopAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAcx4k+HXhXxXN9o1jSIWvRyt7ATDcKex8xMMcdgcj2rD/4Rr4g+GE2+FvE9vr1lGu2Ox8RRkyqM5OLiPDMew3A/yx6HRVqbWgjz9fijNpMvleOPCWsaD8zZu4Yvt1qFA4JkiG4Z6Y2dx746LQvHPhfxNHE2ha/YXjS/diScCXrjmM4YfiK3q5vXfh34Q8S7jrXh6wuJWIJnWLy5u/8Ay0TD9/WneD3VgOkorzpPhVe6O2/wd461/SSPuwXUi3tuvb/Vye3v2pDD8XdFyIrrw54mhU8GaN7Odh9FygJo5U9mB6NRXnb/ABI8TaZJjxF8M9diU9H0mWPUMjpnCYI5/HHNKnxx8FRTeRrFxf6JcA7TDqWnzRMpz0PykD86PZy6ILnodFc1YfEfwXqcatZeKtIfdwFa8RG/75Yg/pXRxyJNEksLrJG6hldTkMD0IPcVDTW4DqKKKQwrDn/5Gi6/684P/Q5q3Kw5/wDkaLr/AK84P/Q5q6cN/EJlsT0UUV6hAUUUUAFFFFAFDWbiWCwUW7+XJNNHCrgfc3uFJ/ImorMyWutS2JmkmiaBZkMrbmU7ipGfTofzq3f2YvrNoS5jbcro4GSjKQQfzAqKzsZYruW7vJ1mnkRYwY49iqoycAZPUkknNAHH/EXU/FOm6xop8HpeGSWG5W5ez05Lx0TdDztd0A5965Y638UHm3NqfjJE/uReD7EfqZzXrUlyllr1rcTpMYvs00ZaKB5MMWiIBCg44U/lV7/hIrD+7e/+AE//AMRXFW5ufSN/kUjwmK48dT2rLq1t8TJpmbJezlt7ZcewEbEd+hqH+zdVmj8vUvDvxV1KLOfLu9a3Ln1wAOa98/4SKw/u3v8A4AT/APxFH/CRWH929/8AACf/AOIrLmn/ACfmPQ8Ei0HRI7gzn4Da5LIepnvpZc/gzGt6w1SLTFUWPwCuISgwHFrCX/FimT+Jr13/AISKw/u3v/gBP/8AEUf8JFYf3b3/AMAJ/wD4ihub3i/xDQ4A/Fbxhk4+E+uEdszj/wCIpj/FbxmB+7+EmtMfe5A/9kr0L/hIrD+7e/8AgBP/APEVXfxFD/akGxb37L5Mnmf6BN9/cmz+DPTf7evap5X/ACfmBwL/ABY8dAfJ8INWJ97zH/tKmf8AC2fH/wD0R7U//A8//Ga9J/4SKw/u3v8A4AT/APxFH/CRWH929/8AACf/AOIo5X/J+YfM82/4Wz4//wCiPan/AOB5/wDjNVrv4rfEx9n2D4TXkOM7/OnaTPpjCLjv616l/wAJFYf3b3/wAn/+Io/4SKw/u3v/AIAT/wDxFFn/AM+/zD5nj7/E74ySNi3+GqITnHmRyH/2YVEPiJ8cy5z4AskXt/okrH/0eK9l/wCEisP7t7/4AT//ABFH/CRWH929/wDACf8A+Ip+9/z7/MPmePzeN/jLdwBD4ZksG3ZMlro4c454+e5I9+lMl1X4qSsCupeK4RnkR+ErD/2a5Net3XiKH7RZ/ZlvfL84/aP9Am+55b46p/f2dOfwzVj/AISKw/u3v/gBP/8AEUe+vsfgB4vBF8SNT1CZLxvHdzEY8hojYaXk8DPVlH0ByevrUjeDfFM+9b/SviJfRP8Afhn8X2mxvbarCvZP+EisP7t7/wCAE/8A8RR/wkVh/dvf/ACf/wCIovU6R/BhoeL/APCubUsrXXwa1PUJV/5b3nieN3bvyPOx+lbdloZ09QLb4C2YIbcGkvLCRgf95mJ/WvTf+EisP7t7/wCAE/8A8RR/wkVh/dvf/ACf/wCIobqveL/ENDlV8WeOYI0itvhZOsSKFVRrVooUDoAA3Sg+MviBg4+Fs5PbOu2n+NdV/wAJFYf3b3/wAn/+IqvfeIofs6/YlvfM86Ld/oE33PMXf1T+5u9/TmpUZN/B+YHMHxn8R8HHwocntnxDa0xfGnxMZsH4ThR6nxJbf/E12X/CRWH929/8AJ//AIij/hIrD+7e/wDgBP8A/EUuWX8n5/5gcmni34kNnd8MIU/3vEcPP5R0+TxH8SpYGFv4A063lIBV5teV1HPIIWMZ4966n/hIrD+7e/8AgBP/APEUf8JFYf3b3/wAn/8AiKOWX8n5jOX8/wCLUsavHYeDoCwBKS3d0xXjocR4z9Diq7f8LnaT5R4ERPc3jH+ldh/wkVh/dvf/AAAn/wDiKP8AhIrD+7e/+AE//wARRyz/AJfwFocqkHxdliZJ77wbbsykB4bW6cr7jc4GfqKjPhX4m3ECmX4k2lnKfvLbaBFIq89i78/lXTaj4ih/su6/s9b37V5L+R/oE339p29Ux1x14qx/wkVh/dvf/ACf/wCIp8tT+X8A0ORHgLxndSR/2t8UdTljRs7bLTre1YjuMgH9QcelK3wlMk/my/EDxy5PVRrOxfyVBXW/8JFYf3b3/wAAJ/8A4ij/AISKw/u3v/gBP/8AEUrVe34BocgPgb4Hlh2apaX+qtu3B73U7hj9MBwPfp3qhrX7P3gy9QNo9mmlTAYBVfOQ/VWOfyIrvv8AhIrD+7e/+AE//wARR/wkVh/dvf8AwAn/APiKUo1ZKzv+JvQrzw9RVKbs16P89DyXT/DPxI8ARm28PCG6sFYt5UGx0PT+BsMCeOlVNR+I/i9tYs4Na0C6iCW8xMMDXNp5h3RjedrZOOR6fMa9l/4SKw/u3v8A4AT/APxFZmqtoOs3FvPeDWEmt1dI5LVb22YK5UsCYtuQSi8HPSslQqJ6XPclnVKsv9pw0JPuvdb9bHl2m/FjWtP1i8WHQbqSJ7eEiG4u55tjbpcsC+SNwwMdPlrV/wCF0a5/0K3/AI8//wATXaeGX0vRrFJnGrvqFxbxJdyXSXlyxZQTgF92AGd+F45Nbf8AwkVh/dvf/ACf/wCIolQrX3f3CjmeWpa4Nf8AgcjzD/hdGuf9Ct/48/8A8TR/wujXP+hW/wDHn/8Aia9P/wCEisP7t7/4AT//ABFH/CRWH929/wDACf8A+IqfYVvP7iv7Uyz/AKAl/wCByPMP+F0a5/0K3/jz/wDxNH/C6Nc/6Fb/AMef/wCJr0//AISKw/u3v/gBP/8AEUf8JFYf3b3/AMAJ/wD4ij2Fbz+4P7Uyz/oCX/gcjzD/AIXRrn/Qrf8Ajz//ABNH/C6Nc/6Fb/x5/wD4mvT/APhIrD+7e/8AgBP/APEVX07xFD/Zdr/aC3v2ryU8/wD0Cb7+0buiY656cUfV63n9wf2pln/QEv8AwOR5x/wujXP+hW/8ef8A+Jo/4XRrn/Qrf+PP/wDE16f/AMJFYf3b3/wAn/8AiKP+EisP7t7/AOAE/wD8RR7Ct5/cH9qZZ/0BL/wOR5h/wujXP+hW/wDHn/8AiaP+F0a5/wBCt/48/wD8TXp//CRWH929/wDACf8A+Io/4SKw/u3v/gBP/wDEUewref3B/amWf9AS/wDA5HmH/C6Nc/6Fb/x5/wD4mj/hdGuf9Ct/48//AMTXp/8AwkVh/dvf/ACf/wCIo/4SKw/u3v8A4AT/APxFHsK3n9wf2pln/QEv/A5HmH/C6Nc/6Fb/AMef/wCJo/4XRrn/AEK3/jz/APxNej2PiKH7O321b3zPOl2/6BN9zzG2dE/ubff15qx/wkVh/dvf/ACf/wCIo+r1vP7g/tTLP+gJf+ByPMP+F0a5/wBCt/48/wD8TR/wujXP+hW/8ef/AOJr0/8A4SKw/u3v/gBP/wDEUf8ACRWH929/8AJ//iKPYVvP7g/tTLP+gJf+ByPMP+F0a5/0K3/jz/8AxNH/AAujXP8AoVv/AB5//ia9P/4SKw/u3v8A4AT/APxFH/CRWH929/8AACf/AOIo9hW8/uD+1Ms/6Al/4HI8w/4XRrn/AEK3/jz/APxNH/C6Nc/6Fb/x5/8A4mvT/wDhIrD+7e/+AE//AMRVe18RQ/aLz7St75fnD7P/AKBN9zy0z0T+/v68/hij6vW7v7g/tTLP+gJf+ByPOP8AhdGuf9Ct/wCPP/8AE0f8Lo1z/oVv/Hn/APia9P8A+EisP7t7/wCAE/8A8RR/wkVh/dvf/ACf/wCIo9hW8/uD+1Ms/wCgJf8AgcjzD/hdGuf9Ct/48/8A8TR/wujXP+hW/wDHn/8Aia9P/wCEisP7t7/4AT//ABFH/CRWH929/wDACf8A+Io9hW8/uD+1Ms/6Al/4HI8w/wCF0a5/0K3/AI8//wATR/wujXP+hW/8ef8A+Jr0/wD4SKw/u3v/AIAT/wDxFH/CRWH929/8AJ//AIij2Fbz+4P7Uyz/AKAl/wCByPMP+F0a5/0K3/jz/wDxNI/xl1qWNkk8KK6MCGVi5BB7Eba9ITxFD/ak+9b37L5Mfl/6BN9/c+/+DPTZ7enerH/CRWH929/8AJ//AIij6vWXV/cH9qZZ/wBAS/8AA5HiF/4q03Uyxv8A4X6RO79ZHsxv/wC+tmf1rn57PwtPIZB8NFgkIwGt726ix7gKQP0r6P8A+EisP7t7/wCAE/8A8RR/wkVh/dvf/ACf/wCIqlTxC2b+4P7Tyz/oCX/gcj5u+0X8MKw6bN4x02FPuRWuuTBE5zgBkIpz6943tfKOjeIPE0LIfm+3SLdhvTgxD8c5zX0f/wAJFYf3b3/wAn/+Io/4SKw/u3v/AIAT/wDxFP2eI7v7g/tPLP8AoCX/AIHI+dk8dfFhGyfEkzj0fRof6KK9B+Fmu+Jtevtan8W3Ec0scdukBW28khcyk5Hfk16R/wAJFYf3b3/wAn/+IqjHcpe69dXECTCL7NDGGlgePLBpSQAwGeGH510YeNVVLy29LHFi8ZgKtJxo4bkl355P8HoXaKKK9M8UKKKKACiiigAooooAKKwW1G8+yvqglX7MlyY/s+wcxiTYTnru6n07VvUAFFFFABRRRQAUVHM7xwu0UZlcDKoCBuPpk1ix6rfDSrh5hELv7Z9mjCjKISwUemcZ/GgDeorNs57iLVJbG6mE/wC5WaOTYFOCSCCBx1A/OtKgAooooAKKKjuDKttIbZVaYKdiucAtjjPtQBJRWBdald6RK63Fwt7ttJJ3URhfLK4x07EkjnnirUE17a6lbW17OtwLmNjkIF2OuCQMdQQT154oA1aKKKACiiigAoqOYyiCT7OFMu07A5wpbtnHasJtYnsZbxJblL37NaNNJhAuyQHAXjsefcYoA6GisqCa9tdStra9nW4FzGxyEC7HXBIGOoIJ688Vq0AFFFFABRRRQAUVirq0suuIiYFiYZSGxzIyFcke3OB64PtTLa/vRFp15cSo8N+wUwhAPKDqSuD1PQA59e1AG7RRRQAUUUUAFFFc7Hqss2pzK+om3iW6MKJ9lJU4IGDJ0BJz3oA6KisFtRvPsr6oJV+zJcmP7PsHMYk2E567up9O1b1ABRRRQAUUUUAFFc7e60/227jjvo7X7MwRFeEsrNgHLsB8q84zx0NTT3t/KNQuLWWONLD5REU3CVggdsnqBzgY+tAG5RUcMont45U+7IoYZ9CM1JQAUUUUAFFFZOtSXdrA9zb3vlgAKkIhVi7k4ABPqSKANaisWOTU57k2X2tI5re3R5pREDvdi2Bg/wAI2/U+1X9MvDf6Xb3LKEaRMso6Buh/WgC3RRRQAUUUUAFFYmsanJaXwie8Wyh8gyLIY9/mOD938Bg+pz7UQXmoalIsUci2ckdrHNL8gfLvnC89htPvzQBt0VU0y8N/pdvcsoRpEyyjoG6H9at0AFFFFABRRWbfXFw2qWtjbzC3EsbyNKVDE7cDaueM/Nn6CgDSorAtdVutRuI7KGdI5UaYTTogO4RsFG0HjncPXoa0dKupbq1cXG0zQyvC7KMBipxnHbIwaAL1FFFABRRRQAUVkw6hdnW5obqJYbdLcyIoO5jhsZJ7fSoLa/vRFp15cSo8N+wUwhAPKDqSuD1PQA59e1AG7RWC2o3n2V9UEq/ZkuTH9n2DmMSbCc9d3U+nat6gAooooAKKKKACiiigDEbSbswvp4MP2F7jzvM3HeFL7ym3GOvGc9O1bdFFABRRRQAUUUUAFZDaRM1jdRiSNZXu/tULckAhgy5/LBrXooAz7O1uTqMt9fCJJGjWJI4nLhVBJJJIHJJ9O1aFFFABRRRQAVDdeebSUWflifafLMhO0HtnFTUUAYFtpF61jcWd7HbBbqNhNcpMzyOxGATlQPwzgVct7S+m1CC51EQL9mjZUELlt7NjLHIGOB0569a06KACiiigAooooAiuEkktpEgl8mVlISTaDtPY4PWsi50m71Z/+JkIIAtvJCDA5cuXAGTkDAGM45rcooAzLe0vptQgudREC/Zo2VBC5bezYyxyBjgdOevWtOiigAooooAKZLGJYnjbIDqVODg8+9PooAxV8PrFqNrJFNMbeCJ4yjzMeu3AA9MA5H0ottMvVWxtbkw/ZrBgyOjEvLtBVARjC4zk8npW1RQAUUUUAFFFFABWPdWWpXkUllO8D2zyhvP3EOEDbgu3GM8Yzn3xWxRQBiNpN2YX08GH7C9x53mbjvCl95TbjHXjOenatuiigAooooAKKKKAMa5028VtQjsxbtDqHLtKxDREqFPAB3DAzjI5pj6TeQQ3dpYtCbe7UBnkYhojsCMQMHdkKD1HNblFADIo1hhSJPuooUfQU+iigAooooAKpXlm91fWT5XybeRpHUnkttIX8sk1dooAzbi1vIdSku9OEDmeJY5EmcrgqTtYEA5+8cjirOnWYsNOgtQ2/wApAC2PvHufzqzRQAUUUUAFFFFAGXcWl5Fqkt5ZxwT+dCsTJO5XZtJOQQDkHdyPaq9ppN7pQQ2BgnZrdYZBKxQBlJIYYB4+YjHHAHNblFAFbTrMWGnQWobf5SAFsfePc/nVmiigAooooAKztVspLzydtva3UaE7objjJ7MGwcEc9uc1o0UAYdvo9zYNBc2gt3uB5gljJKIQ5BwpAONu0AccitDTLR7O1YTsrTSyPLIU+7uY5wPYdPwq5RQAUUUUAFFFFAFJrJn1hrpipia28krk5zuz+WKpW2mXqrY2tyYfs1gwZHRiXl2gqgIxhcZyeT0raooAxG0m7ML6eDD9he487zNx3hS+8ptxjrxnPTtW3RRQAUUUUAf/2Q==)

Fig 4 Humidity Sensor Membership Functions

1. ***Light Intensity Input Sensor.***

For light intensity sensor data, we have 5 linguistic values *Very\_Low, Low, Good, High, and Very\_High* as we displayed on the *Fig 5*. It is measured in lux to obtain this value we have multiply by 104. 4000 to 70,000 lux is considered as optimum light for plants. That how we have considered *Good.*

**![Diagram

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAkACQAAD/4RD4RXhpZgAATU0AKgAAAAgABAE7AAIAAAAPAAAISodpAAQAAAABAAAIWpydAAEAAAAeAAAQ0uocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEFiaGlqaXRoIFNoYWppAAAABZADAAIAAAAUAAAQqJAEAAIAAAAUAAAQvJKRAAIAAAADMzMAAJKSAAIAAAADMzMAAOocAAcAAAgMAAAInAAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADIwMjE6MDU6MDYgMDI6MDM6NTAAMjAyMTowNTowNiAwMjowMzo1MAAAAEEAYgBoAGkAagBpAHQAaAAgAFMAaABhAGoAaQAAAP/hCyFodHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLjAvADw/eHBhY2tldCBiZWdpbj0n77u/JyBpZD0nVzVNME1wQ2VoaUh6cmVTek5UY3prYzlkJz8+DQo8eDp4bXBtZXRhIHhtbG5zOng9ImFkb2JlOm5zOm1ldGEvIj48cmRmOlJERiB4bWxuczpyZGY9Imh0dHA6Ly93d3cudzMub3JnLzE5OTkvMDIvMjItcmRmLXN5bnRheC1ucyMiPjxyZGY6RGVzY3JpcHRpb24gcmRmOmFib3V0PSJ1dWlkOmZhZjViZGQ1LWJhM2QtMTFkYS1hZDMxLWQzM2Q3NTE4MmYxYiIgeG1sbnM6ZGM9Imh0dHA6Ly9wdXJsLm9yZy9kYy9lbGVtZW50cy8xLjEvIi8+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczp4bXA9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8iPjx4bXA6Q3JlYXRlRGF0ZT4yMDIxLTA1LTA2VDAyOjAzOjUwLjMyOTwveG1wOkNyZWF0ZURhdGU+PC9yZGY6RGVzY3JpcHRpb24+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iPjxkYzpjcmVhdG9yPjxyZGY6U2VxIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpsaT5BYmhpaml0aCBTaGFqaTwvcmRmOmxpPjwvcmRmOlNlcT4NCgkJCTwvZGM6Y3JlYXRvcj48L3JkZjpEZXNjcmlwdGlvbj48L3JkZjpSREY+PC94OnhtcG1ldGE+DQogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgIDw/eHBhY2tldCBlbmQ9J3cnPz7/2wBDAAcFBQYFBAcGBQYIBwcIChELCgkJChUPEAwRGBUaGRgVGBcbHichGx0lHRcYIi4iJSgpKywrGiAvMy8qMicqKyr/2wBDAQcICAoJChQLCxQqHBgcKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKir/wAARCAEtAoQDASIAAhEBAxEB/8QAHwAAAQUBAQEBAQEAAAAAAAAAAAECAwQFBgcICQoL/8QAtRAAAgEDAwIEAwUFBAQAAAF9AQIDAAQRBRIhMUEGE1FhByJxFDKBkaEII0KxwRVS0fAkM2JyggkKFhcYGRolJicoKSo0NTY3ODk6Q0RFRkdISUpTVFVWV1hZWmNkZWZnaGlqc3R1dnd4eXqDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uHi4+Tl5ufo6erx8vP09fb3+Pn6/8QAHwEAAwEBAQEBAQEBAQAAAAAAAAECAwQFBgcICQoL/8QAtREAAgECBAQDBAcFBAQAAQJ3AAECAxEEBSExBhJBUQdhcRMiMoEIFEKRobHBCSMzUvAVYnLRChYkNOEl8RcYGRomJygpKjU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6goOEhYaHiImKkpOUlZaXmJmaoqOkpaanqKmqsrO0tba3uLm6wsPExcbHyMnK0tPU1dbX2Nna4uPk5ebn6Onq8vP09fb3+Pn6/9oADAMBAAIRAxEAPwD3WiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKjjnimz5MqSbeu1gcUASUVHHPFNu8mVJNvXawOKkoAKKKY8iRAGR1QE4BY4yfSgB9FFFABRRRQAUUyORJV3ROrrnGVOaBIhkMYdS6jJUHkfhQA+iimu6xoXdgqqMlicACgB1FMjlSaMSQusiN0ZTkH8afQAUUUUAFFNd1jQvIyoo6sxwBSgggEHIPQigBaKKKACiimPIkSgyuqAnALHHNAD6KKKACiiigAoorG8Sa3c6LBZfYbAX9xe3a2scTT+UoZlY7i2DwNvOATjOATwQDZorzx/G00fiE3WpQTWg0vTtQ+3WMM/mo0kT25UqflDZV/lJCn5yMDmn654x8R21v8AZE0uzsdVW5sX2i+MkUkE0/lkbzDkNkFWG3gNuBJ4ppXt5/52/wCCM9AorJ8Ra0+geH5dSFmbuSNo1FukgUuXdUwGPH8XfH4ViN401KK9Ojz6JAuutcRxRW635Nu6PG8nmGXywwAEcgP7sncAOQc0hHY0Vwdz49WCF76XS5RdWen6hLNAL1givbSIjpjG1gxOVcrkDsNxFRa14z8QxxS2ttpdrZ38N1p7Ddel1eC4nKbSTD8rfKVYAHAbIYkYLSvbz/zsOx6DRXKXHjKWDxkuhGzs0O+NMT6gIribcuS8MLKBKi9CQwOVcBSRg9NC07eZ9ojjTDkJskLbl7E5Awfbn6ml0uIS5RZEiSRQytPEGVhkEeYvFa39kab/ANA+1/78L/hWVN/yx/6+If8A0YtdDQBT/sjTf+gfa/8Afhf8KP7I03/oH2v/AH4X/CrlFAFP+yNN/wCgfa/9+F/wo/sjTf8AoH2v/fhf8KuUUAU/7I03/oH2v/fhf8KP7I03/oH2v/fhf8KuVR1i7vrLS5ZtK01tTuxgRWwmWIMScZZ24CjqSATgcAnii4Dv7I03/oH2v/fhf8KP7I03/oH2v/fhf8K4fTfE/il/g1fa1JHDe+IIJruMrbwl41KXLx5RAAzBVXIHU7eeTVrwbr9xf+Iry0sPELeLNJjskm/tARw/urgtgwh4lSNsrhtuNy9zhhT62B6fl+Njrv7I03/oH2v/AH4X/Csm2RY0lSNQqrPKFVRgAeY3FZnhLxB4j1Txxr9l4is4tOt7e1tJrOxSRZXiV2mBMjqMFz5YJCkqBgAk5J1If+W3/XxN/wCjGoDrYlooopAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFfLngDxA3gGTWdSeTbDrGmXkkAJ+9dW8rhF/75b9a+o68mv8A4E2upeF9K0e61nJ0/UJrszC0/wBZHK25osb+Og+bJ6dKAPNfh/4jm+F0PiC2SOCTUr2bTLeP7bJ5cMMkkUjs0jdlXJzXeyfGnUbLw/4m85dE1HU9FjgnhuNMmaS0uY5JUQ99wZd/TPX6c7OsfBuHVdY1vVBrLW93f3trfWbpag/Y5IFZRkFsSA7uny9B1qS8+Fup6x4T1zTNc8Uefdat5KiWKwWOG2WN1fCxBhknbydw/wAQCj/wnnj1fF2n+H5NJ0EXGtWP2uybzpdtqBkkTH+MgAjCgckc1yvjDxlqfiv4Z6bd39hAuqab4vjspIbZyI5pI0Y/KWyQDuA5zXqsngjf470TxJ/aGP7KsGs/s/kf63cCN27dx16YP1rmrv4MC78MXOjnxA8QuPETa2Z47XDJldvlD5+vff8A+O0AE/xL13wn4ivNM8eWGnEDTJNStJdKd8MEzmJt/wDFwfm4HTjnih4Y+MGo33iDQrbWn8PzW2vHbFDpV00lxYuRlFmUk9cgcYwc+mK24vhZNqesX2o+Ntfk12afT306AJarbiCJ87mwpIL8nn3+mH+F/hxq+hajppvvFJvNO0pCltaRWCQNIMYXzXBJfaAMfT60AZHhH4j+MvEXhm98Ty6Jpp0qyguMwW7SG5uJoxlQg5AU8A9TkHHan/D34n6t4t1uzgubrw3PBdQs8lvaSSw3VqwGdpSX/WehK8cE5xjPTeEvAbeFvh/J4ZTWJ3ZzKy31vH5MkZc5BUZbBH1rF0z4U3g8VaVrXiLX4dSfSSWgaHTUt5p2xgNNKGJfH69e5oA4Dwf4t8UeDfhbe65p1hpc+i2WrSC5W4kk+0S75FUlMfKoBZRznvxxz2r+IoLD4j+Nb6x0u3F3Y6Al4Lpnk3T4jDKjLu2gcD7oB96uj4S4+FOpeC/7a/4/7o3H2z7J9z96km3Zv5+5jO4dadrvgWSwXxhr8N41zJqHh97JLRLfkFISAQdxyTjpjv3oAxIfij4vtdC0HxTrWj6TH4e1SaOCRIJJDdRlyR5nPy7eCQvJxjnni7+0D/aTfDpYbL7P9kmu4o7rzHYOcuNgXHBGeufbFZfg/wCGWqaz4L8Lw674guRolr5d6dHks1SQSjJ2NJkNtyTwRnBx6Eeh+OvCX/Ca+Gv7J+2/Yv8ASIpvN8rzPuNuxjI6+uaAOe0PWL3w14w8P+BW0zS7SCfTZbqZbDf5cbh3OI92Dg9eRnJNZOofF3VrPQ9avotMtJpNO8SnR4otzDzIwT8xOeGOOvT2rp/FXga+1nxdpniXQdd/sjUbGF7Yl7QXCSRtn+EkYPJ/SsFPguV8OXmlP4ieVrrXF1c3EloC2R/AQHAJP94Y/wB2gCRfiPr3h7xVqukeOLHTgtro76vBJpbOcopwYzv6nIIzgdOnPEvh/wATfEjV7fTdUfQdFk0vVoTLCIbh1lswy5jaUscOpyMhBnGeO1bGtfDy217xxNrt/dlra40V9IlshFyys7MXEmeD82Mbe2c1l+HvhtrmkXmkxXvjW7u9H0Zs2ljDbiBmH8KyyK2XUDjBGCPTpQBwWgaxrM3wN8X6h4nhs9XshdP8k1xMZJZPMQMrEEEIPl24OeOa6608beKNZ1I6D8PtL0kLpGn20l5LqUkuzdJGGWKPac5xxliehz7zWvwkvLbwh4i8M/8ACSBtM1aUy26mxG62YuGJJ3Df90Dt6+1WJ/hjqdjqzap4P8Uvot3dWcNpfbrJZ0n8tAiyBSRtYAe/6nIBlL8YNU1HSvDEmjaPbfb9YvZtPuLe6lYLDMgAyGH8OWBPBOOOtdF4H8X63q3ijxD4b8U2tjFqGjNEfNsN/lSpIpYcOSQcY/P2qrZ/COz02LwtHYalIo0G8kvJWli3veSPjcSdw29PQ8Y+tbukeD/7K8f+IPE327zf7aS3X7N5O3yfKQL97cd2cZ6DHvQBi+KfGfiS0+JNn4R8MWGnTy3mmm7We+d1WFg7AltvJXC9AM5I5rg/GfjC/wDE3gd7HXrOC11fRvEtta3QtWJhflsOmeQDg8H098Do/F2g6xqvx80u40a8uNLkg0NjHfrbebEr+a/yODwchjxkHoatN8HPO8NTWd1rzzaneatHqt7qD2o/fOufkCBgFHJ7nv8AQAFvVPGfirVfG2qeHvAWn6VIdFjja9udUeQKzuMrGgTvjPJ44PTHPD654+8R+LZPA95oaW1g02pPbzWc88gRruMj5ZNo+aPBUjqck+ma9A1r4e6m3iy98Q+D/Er6Dd6lEkV8jWa3CS7RhXAJG1gP88ms65+DqW/h3QLLw7rclhfaLeNeLez24nM8r/fZlJA7DHsMe9AGJJ8YNdbxTf6aP+Ed097G9+zf2dqck0E86ggGRZj+7APJAOTj14z7ODlQfUV5fr/wl1XxCLmz1HxYLrTbmUSEXempNcwDIJSKYtlFOOOOPfJz6XaWsdlZQWsGfKgjWNNxycKMDJ/CgCaql/plpqRtjeRs5tZ1uISsjIVkXIB+UjPBPB4OeRVuigDEl8H6FO10ZrHebtJ45y00hLrOVMgzu77Fx/dCgDAqW58M6Td3DT3Ns0krLApczPnEDmSL+LjDEn375rWoo2AqanplprGnyWWoRtJbyFSyrIyHKsGBDKQRggHg1Wfw5pcmqjUntibwTrOJfNfIdY2jXvjG1mG3p8xOMnNalFAGG/g7QpIZYpLEsk0dzFJmaTLLcOHmGd2fmYA56joMCrF34c0q+uZLi5tS8snkbmErrnyHMkXQ/wALEn375rUooAz7vRLC/VlvI5Zla5iutrzyELJGVKFRu+UAqDtGATnIOTWhRRR5ARTf8sf+viH/ANGLXQ1ztydqRvhiEmiY7VLHAdSeBz0Faf8AbVl6z/8AgNJ/8TQBfoqh/bVl6z/+A0n/AMTR/bVl6z/+A0n/AMTQBfoqh/bVl6z/APgNJ/8AE0f21Zes/wD4DSf/ABNAF+iqH9tWXrP/AOA0n/xNH9tWXrP/AOA0n/xNAHESeDtYufhRe6KYI1vW1Oe7FrLKNlzH9taYRMwyAJEwPbdyOtamlWOp6n8QV8RXOjT6Fbwaa1k0VzLC8t2zSK4JETuoVNrYJbOXPAHXo/7asvWf/wABpP8A4mj+2rL1n/8AAaT/AOJprR3/AK2t+QPX+vO/5mXp+lXkHxH1zVJYdtndWFnDDLuB3PG05cYzkYDr1HfjvTof+W3/AF8Tf+jGrS/tqy9Z/wDwGk/+JrMtjuSR8MA80rDcpU4LsRweehoDrcmooopAFFFFABRRRQAUUUUAFFFFAFOWOa61m2tI7ua2ja3llYwqhLFWjA+8p4+Y1b/sKX/oM3//AHzB/wDG6hg/5Gi1/wCvOf8A9Dhrcrz8RUnGdky0tDJ/sKX/AKDN/wD98wf/ABuj+wpf+gzf/wDfMH/xutaisPbVO47Iyf7Cl/6DN/8A98wf/G6P7Cl/6DN//wB8wf8Axutaij21TuFkZP8AYUv/AEGb/wD75g/+N0f2FL/0Gb//AL5g/wDjda1FHtqncLIyf7Cl/wCgzf8A/fMH/wAbo/sKX/oM3/8A3zB/8brWoo9tU7hZGT/YUv8A0Gb/AP75g/8AjdH9hS/9Bm//AO+YP/jda1FHtqncLIyf7Cl/6DN//wB8wf8Axuj+wpf+gzf/APfMH/xutaij21TuFkZP9hS/9Bm//wC+YP8A43R/YUv/AEGb/wD75g/+N1rUUe2qdwsjJ/sKX/oM3/8A3zB/8bo/sKX/AKDN/wD98wf/AButaij21TuFkZP9hS/9Bm//AO+YP/jdH9hS/wDQZv8A/vmD/wCN1rUUe2qdwsjJ/sKX/oM3/wD3zB/8bo/sKX/oM3//AHzB/wDG61qKPbVO4WRk/wBhS/8AQZv/APvmD/43R/YUv/QZv/8AvmD/AON1rUUe2qdwsjAsdIvJ7dnudVv43E0qBfLhGVWRlU8x91AOe+as/wBhS/8AQZv/APvmD/43WtRR7ap3CyMn+wpf+gzf/wDfMH/xuj+wpf8AoM3/AP3zB/8AG61qKPbVO4WRk/2FL/0Gb/8A75g/+N0f2FL/ANBm/wD++YP/AI3WtRR7ap3CyMn+wpf+gzf/APfMH/xuj+wpf+gzf/8AfMH/AMbrWoo9tU7hZGT/AGFL/wBBm/8A++YP/jdH9hS/9Bm//wC+YP8A43WtRR7ap3CyMn+wpf8AoM3/AP3zB/8AG6P7Cl/6DN//AN8wf/G61qKPbVO4WRk/2FL/ANBm/wD++YP/AI3R/YUv/QZv/wDvmD/43WtRR7ap3CyMn+wpf+gzf/8AfMH/AMbo/sKX/oM3/wD3zB/8brWoo9tU7hZGT/YUv/QZv/8AvmD/AON0f2FL/wBBm/8A++YP/jda1FHtqncLIyf7Cl/6DN//AN8wf/G6P7Cl/wCgzf8A/fMH/wAbrWoo9tU7hZGT/YUv/QZv/wDvmD/43R/YUv8A0Gb/AP75g/8Ajda1FHtqncLIyf7Cl/6DN/8A98wf/G6rX2kXkFur22q38jmaJCvlwnCtIqseI+yknPbFb9FHtqncLIyf7Cl/6DN//wB8wf8Axuj+wpf+gzf/APfMH/xutaij21TuFkZP9hS/9Bm//wC+YP8A43R/YUv/AEGb/wD75g/+N1rUUe2qdwsjJ/sKX/oM3/8A3zB/8bo/sKX/AKDN/wD98wf/AButaij21TuFkZP9hS/9Bm//AO+YP/jdH9hS/wDQZv8A/vmD/wCN1rUUe2qdwsjJ/sKX/oM3/wD3zB/8bo/sKX/oM3//AHzB/wDG61qKPbVO4WRk/wBhS/8AQZv/APvmD/43R/YUv/QZv/8AvmD/AON1rUUe2qdwsjJ/sKX/AKDN/wD98wf/ABuj+wpf+gzf/wDfMH/xutaij21TuFkZP9hS/wDQZv8A/vmD/wCN0f2FL/0Gb/8A75g/+N1rUUe2qdwsjJ/sKX/oM3//AHzB/wDG6P7Cl/6DN/8A98wf/G61qKPbVO4WRk/2FL/0Gb//AL5g/wDjdH9hS/8AQZv/APvmD/43WtRR7ap3CyMn+wpf+gzf/wDfMH/xuj+wpf8AoM3/AP3zB/8AG61qKPbVO4WRk/2FL/0Gb/8A75g/+N1UijmtdZubSS7muY1t4pVMyoCpZpAfuqOPlFdDWHP/AMjRdf8AXnB/6HNW+HqTlOzYmtCeiiivQICiiigAooooAKKKKACiiigDifiHJe2Umm6vpzyK+l77qREYjzIxJCGU+o+YE/SsXwNqdz4i+I2qzG9nfSdJvbu7z5jFW8xgEUj0CjcB7GvQp7OHUdXWyuV3Q3GnXMTj1VmiB/nXJeGfhX4h8IWt/baJ4usRDfzGWUXGiGRjkY2588cAZ/M15WIjeq/ke3h8ZShhOWS99cyXpK1/u1t/iMgfHDVL6+lfRtBsZbKO7FoiT3+y4lcqGGECnAwQNxGATjPFFv8AHS/1S01e90nQYHtbGFJ4DNcFXmWQ7IxtA+8X2qQDxvFaFl8HNX0eS5i0PxiLOxuZhM8T6WskgbaEJVy4x8oHYjIBxT7L4OWHhu5sL+31K5ktNLuGuDaR2hkeeIeW0cRw2WKvEjZA5IPAzWKtpc2rSwF5exjd9Frrd2XzS79UvO+rofxMPiLXPDGn6XYxyDVtKOpXshkP+iDO0KOOTvV1/AV39eV/CjwcPCsniTXZrW9ihuLiRbC2ngYTRWqszhAnJ5LcDqSOnNdr/wAJhaf9AzXP/BRcf/EVLlG+hx1sJPn5KUb8u9tdd+nlZGX4HuZ5/Eni5J5pJFi1LbGruSEGDwM9BUmoeLtVl8QahpfhnR49QbS41a7kmuPLBZhkIgwcnAPNVx4I12z1rU77Q/Fg09NRuDPJD/ZqS4PYZZv8Kc/gfV4b6e+0vxO1peX8CR6hIbJWE7qMCRVyNhxnpnrWXvWsepN4Cdd1ZTi7xjZNTsmlFPmsl0TtZvWw60+IltdNo1ybbytP1S1nk85n+aKWEEuhHToDg96p6P8AEqTWNP0totNVL6/1H7Ibcyn93GEDmXOMkBWU1b1b4bWV94IsvDlldvaLZPvjuSm9iTu35GR97ce9WbHwFaWHjk+IYZzsW3EUVp5fEbbFTeGz3VcYx+NH7y4+bJvZyaTv71lr0b5b/wCJNX7cvmdXRRRWp80FFFFABRRRQAUUUUAFZfijVn0HwjrGrwxiSSwsZrlUPRiiFgD+ValRXVtDe2c1rdRrLBPG0ckbdHUjBB+oNNbiPL5/DXh2w8I2Oq+K9U1iXWr+FXOr20t1LKkzJuzGsWQiqei4C4AHNbGl+MdT1kWmm+EjZa5LBpkF3d6res9rFKZNyptjCswZzG7Hso9elS2ng3xVpOnLpWieNVg0yFRHbi50tZ7iCMcBBL5gU4HALIffNFh8PLjw09s/gzWlsDHp8Wnzrf2n2pZ1iLGN8K8ZDje3OcEHpWzcWtWAy0+IV7rn9l2OgaTENXvFuWuoby4Kx2It5BFLuZVJc+YQq4AznJxSL8Qr50TS00iEeJTqh0trRrg+QGEXnGbzNuTH5XzY27snGO9S2vw7l0dNKufD+s/Z9VsVuFmuru289LwTyCSXzI1ZDzIAw2sMYxyKRfh1Klut4mtEeIhqZ1Q6kbUGMymPyink7v8AV+V8m3fnvuzS9wNRPBV5q9z488Xxa7EkE0JswsUM7SxYMTfMmQCM9xjrnr1rua5vw14Zv9H1rWdV1bVo9RutWaEsIrTyEhEalQFG9jjB7knryc10lRJpvQAoooqBhRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFZPiyR4vBmtSRMyOmnzsrKcFSI2wQa1qp6xYf2rod9p3meV9rtpIPM27tm9SuccZxnpTW4jyfXPHV03wOniTQ/EcNx/YiqL9rbagbyh+88zfnHfNb8HjBNGj1+SHT5Li9iutPs4YzdNi7nnghCD5siMZcA4HYnkmui1Pwl/aPw1l8JfbfL8zTRYfa/KzjCBd+zPtnGfxrB8QeDVsND167Ml9eSXdzZXUI062DT2slusSLIiknzMGPeVxkjIAJ67Jwen9dAK/iXxP4gj0rxPoes2FraXEfhq7v4bywundWwpUAblUqwJP6EdcDQ8PeKNdjv/Duna9pdrBBrFmzW0kN00ksbRxh8SgoBkqc/KTggjnrWDY6DrXivxJr39p6hdy2914dk0sX02jyWMcbysfuQyHc+ByxzjJAyK7mXwx5uq+HL37Xj+w0kTZ5X+v3xeX1z8uOveiXKlYRvUUUVgUFFFFABXHeK5Z9E8ZeHNeSaQWU0x0q+j3HZibHkyEdMiVVXPXEldjWZ4k0OLxJ4av9InkMS3cRRZVGTE/VXHurAMPcVUXZ6iOTudfWHxV4m8TXksx0bwvYm0WKNjiWcgSzEDoWA8pBnuW6VF4e+KKal4i0vTL6bQZG1ZX8ldK1ZbqS2kVC+yVcDqoI3DjcMdwa3rLwTax+Abnwxqdw96L6Ob7ddBfLeeSYs0kmOcHcxIHOMAdqr6J4S1my1SxuNX122uoLBGWOO004W7XBK7Q8zb23EDPChRnn2rS8LMDG0H4i67f6ToOuavodnZaNrVzFbI8d2zzQmQMqu6lAoUyBFGCeHBPpXXaFrz65qGspHAqWen3hs4pt2TM6qDIcdgrkp9VNcvrfh5PDvwT/AOEYK32qzx2f2W1axs3eR51BaJ9q7hGA6qdzHaMDJrb0OO38FeFtM0u9W8nuFiLzy21lNcCSZjulcmNGxudmPPrSlytXSArfFW6msvhjq9xbPLHLGsRVoWIb/Wp0I/KuZ8eeNbi80Wxt7fQ/EOltJq1kDc3Nt5KAfaEypYMeo4x3zXWa7Ha+OvD17oNvJfWTXCKxnuNLnjVQsit/y0VATxjGc9+1XfFvhv8A4SnR4bH7V9l8q9t7rf5e/PlSq+3GR124z2z3oi0rXA5u08XyW1m1ro2mLLqWoeIb2wt4Z7tzGWjeRpJWcglVCox2KOMgDjpleL/FuuSeFvElle6clpqGj3OmFTZXTMLkS3KH5WIUgEDbg9yRyOTf13wu+haZb3FrPfyXi6/cajBe2Onm4NmZzISJIVJaSPDlDt55B4xxQ0TwrqviY+K31a9ulXULzT2ivLnTWtvM+zMsjbIHIZUyNoLH1PNWuX4v63EdboviLWJPFs2geIdPs7ef7CL6GWyuWlQpv2MjbkU7gccjgg9quT/8jRdf9ecH/oc1SHQc+Nl8Q/aemnGx+z+X6yB9+7PtjGPxqOf/AJGi6/684P8A0Oarw9vaaA9ieiiivSICiiigAooooAKKKKAI5pRDC8hV32jO1F3MfYCqmk38uoQTSTweQ0czR+WTkgD196v1Q0u3ltxd+cu3zLqSReQcqehoAo614n0vwvrun3OtTtBFNbzxqyxs/O6I9AD2Fb2j+JtF19M6RqVvdHuithx9VPI/KuD+I1/4csbjTv8AhJdPm1WWaGeKw0+23Ga4mLRAKgUg555Pb8q4aP4Ca94g0ufUtVu4tJmmYvb6HE7MkaHPySTZyWx6cfnx5WIjP2rk9vxPaoQy6ph1CUpRq93bk3081pue13XjrwjZXDQXvinRbeZfvRy6jEjD6gtmrWleJ9B16V4tD1vTdSkjXc6Wd3HMVHqQpOByK8S8E3eh+DtRHh/xn4S0y2ZG2rePYoZEycfO2DuX/aB/Pt6hqvws8D69Csj6BZW8hw8V3p6C3kU9mDx4z7ZyKwjKnLa5lj8uxGAmo1bNPZrVNeTOxory+a68Y/DGUzajPc+LvCaqDLcuoN/YL3dsf61AOScZ+gHPoej6zp/iDSLfVNGu47uyuV3xTRnhh/MEdCDyDwapxtr0POLtFFFQMKKKKACiiigAooooAKxL7xt4V0y7e11LxNo9pcRnDw3F/FG6n3UtkVx/iTXNR8deKLrwP4QuprG2sip1zWoHwYQQf9Gi4/1h4ywPy4YcnIrpdG+HHg/QbCO00/w7pwVFCmSW2SSR8DGWdgSTxWnKkveEP/4WL4J/6HHQP/BpD/8AFUf8LF8E/wDQ46B/4NIf/iqu/wDCKeHf+gDpn/gHH/hR/wAIp4d/6AOmf+Acf+FL3AKX/CxfBP8A0OOgf+DSH/4qj/hYvgn/AKHHQP8AwaQ//FVd/wCEU8O/9AHTP/AOP/Cj/hFPDv8A0AdM/wDAOP8Awo9wCl/wsXwT/wBDjoH/AINIf/iqP+Fi+Cf+hx0D/wAGkP8A8VV3/hFPDv8A0AdM/wDAOP8Awo/4RTw7/wBAHTP/AADj/wAKPcApf8LF8E/9DjoH/g0h/wDiqP8AhYvgn/ocdA/8GkP/AMVV3/hFPDv/AEAdM/8AAOP/AAo/4RTw7/0AdM/8A4/8KPcApf8ACxfBP/Q46B/4NIf/AIqj/hYvgn/ocdA/8GkP/wAVV3/hFPDv/QB0z/wDj/wo/wCEU8O/9AHTP/AOP/Cj3AKX/CxfBP8A0OOgf+DSH/4qj/hYvgn/AKHHQP8AwaQ//FVd/wCEU8O/9AHTP/AOP/Cj/hFPDv8A0AdM/wDAOP8Awo9wCl/wsXwT/wBDjoH/AINIf/iq19L1nTNbtmuNF1G01CBW2tLaTrKoOAcZUkZwQfxqr/winh3/AKAOmf8AgHH/AIVyeu/DyTRp5fEHwvS20XWlj2yWiRKtrfIGVijx4wrHbgOu088mnaL0A9Corn/BXi618aeGotTt4ntp1Zobu0l+/bTrw8bfQ9PUEHA6V0FQ007MAooopDCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKK5Hxn4/tvDEsOl6baSa14jvB/omk2pHmMOfnc/wACDByx/oSKSbdkI613WKNnkZURQSzMcAAdyawJvH/g62maG48WaHFKhwyPqUKsp9wWrlLT4a6p4rSO8+K+rvqTkh10Wxcw2MHQ4YA7pSCOpPqORXV2XgLwjp9uIbPwzpMaBdv/AB5Rkke5IyfxqrQW7A0dK17R9ejkk0PVbHUkjIDtZ3KTBSemSpOOhq/XE6x8I/B+qOLi00xdE1BMtFf6O32SaJv7wKYBP1BrEHiLxV8M7jyvHDPr3hjeqR69BF+/tAcAfaI16rnjeB+pC0cql8LA9RoqK1u7e+tIrqynjuLeZQ8csTBldT0II6ipagYUUUUgCiiigAooooAKKKKACiiigAoorzvxB4+1PVtak8M/DG2h1HUoWC32qTc2enc8hiPvycH5R098ECoxcthHe3t/Z6bbNc6jdwWkC/elnkCKO/U8dq5uw17R9e8RX0mh6rY6lHFaW6yPZ3KTBDvm4JUnBrJsfg/o9zOmoeOLq58W6tt+afUG/coeMiOEfKi8Djmtm00fTNG8Q3kOj6daWET2luzJawLErHfNyQoFdWHUVU0E9jTooor0SAooooAKKKKACiiigAooooApJZ283jLTrmWBHnt7K58mRlyY9zwhsemQMV0VYcH/ACNFr/15z/8AocNbleXif4hcdjn/ABf4O07xhpbW16gjuEB8i6VfniP9R6jv9cGvOfBvivUPAfiBvCPi9wtorYguGJIiz0IPdD+n5ivZq5L4g+CoPF+hsIwqajbKWtpcdT/cJ9D+h5rinF/FHc+iyzH0+R4HG60ZffB/zL9V/wAG/WkAggjIPUGvMtasJ/hXqV94p8OafcX2g3fz6ppFs+Ps7ZG67jUg5wobcowDnJI20nwo8Zz3Sv4X14smo2eVgMv3nVeqHP8AEuPy+lenEAggjIPUGtKdRNXPMx+BqYHEOhU6bPo10a9SrpmpWes6XbajpdwlzZ3UYkhlTo6nof8A63UVaryi13fCDxuliRs8Ea9OBbMT8ul3jE/J7Rv1GeB7YOfV6uUbbbHCFFFFQMKKKKACuT+I3im48L+FS2kos2t6hKtlpcBwTJO5wDg9l5Y5445611leaaQx8bfGzUtTf95pPhFTYWfB2veuP3z/AFQfJ+INXBK930EdV4G8Jw+C/CdtpUcnn3GTNeXJHzXM7cvIe/J6Z7ADtXQ0UVLbbuwCiiikMKKKKACiiigAooooAKKKKACiiigAooooA8u8SD/hXHxOs/FNqnlaD4gdbLWVXOyK4J/dXLc4Gc7SeBx6tXqNZXifQLbxT4W1HQ77IhvoGiLDGUJ6MM9wcH8K574Ua/dax4LWy1gn+2NEmbTNQDHJMkXG73BXBz3Oa0fvRv2EdtRRRWYwooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKxPF/iqw8GeGLrWtUOY4RiOFT888h+7Go7kn8hk9AaaTbshGf4y8cp4ZuLDTNMsTrPiDUpAtnpcc3ls65+aRmwdiKATuI7exIj8B+AovCVvPfajc/2p4i1E+ZqOqSj55WOPkX+7GMDC+w9gKPw68J39u9x4u8Y/vvE+rrl1YcafBnKW0foB/F6nrnGT3tXJqK5UAUUUVmMKbLFHPC0U8ayRuMMjrkMPQg06imB5bMw+Ct1NNFb3Vz4LvrhC4R939iOxIYhcEtEzMvcbccZzXqEUsc8KTQSLLFIoZHRsqwPIII6io72zttRsZ7K+hSe2uI2ilicZV1YYII9CDXmfhG5ufhv4wXwJrMzSaJfEyeHLuTJK8ktas3qMjHr+IA0+NX6iPUqKKKyGFFFFABRRRQAUUUUAFFFcN8SPFt9pcNp4b8K4l8Ua2TFZqMH7LH/HcOOyqM4z1I74IqoxcnZCKfijxFeeLtavPAngySSOVYwNW1uCXC6YCwzGvB3ysodcAgrnOeDjsPDXhnSvCOgwaRoVqttawjsBukbGC7H+Jjjk1V8GeELHwX4ej02xZp5WYy3d5L/rLuZuWkc8kkn1JwMCt+qlJbLYArDn/5Gi6/684P/Q5q3Kw5/wDkaLr/AK84P/Q5q1w38QUtieiiivUICiiigAooooAKKKKACiiigCCD/kaLX/rzn/8AQ4a3Kw4P+Rotf+vOf/0OGtyvLxP8QuOwUUUVzFHk3xZ8Lz2F5D4z0ImK5tnU3OwdCCNsn8gfbHvXeeDvE8Hizw3b6lDtSUjZcRA/6uQdR9O49jWzcW8V3bSW9zGskMqlHRhwykYIrxXSJpfhT8TJNMu3Y6NqJAWRugUn5HPupyD7Z46Vi/clfoz6nDv+1sA8M/41JXj5x6x+XT/hz1vxH4fsPFXh290XV4vNtLyMo47qeoYehBwQfUVyXwz8Q36vfeCfFMvma/oGF84jH221P+rnHrxgN1wcZOSa9Arz/wCJ+iXsC2Pjbw3Asms+HmaV4lADXlqR+9hJ7naCR1IOccmuqOvus+VPQKKoaFrVl4j0Gz1fSpPNtLyISRt3weoPuDkH3FX6jYYUUUUgOd8feJ18H+BdU1nrNBCVtkwCXmb5Yxjv8xGfbNQ/Djw03hTwDpun3OWvnj+0Xzscs9xJ80hJ78nGfQCub8bP/wAJT8WvCvhBFWS009jruojrjy8rCp9i55B6givTK0ekUu4gooorMYUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFea3mfB3x2trziPTPF9sLWY9FW8hBMZPuyHaPU5r0quJ+LegXOufD66l0tjHqukuupWEig7llh+b5fcruH41pB62fUR21FZfhjXIfEvhXTNatseXfWyTbQc7SRyv4HI/CtSoejsAUUUUhhRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXlejZ+KfxGfX58v4V8NTtDpUZA2Xt2OHuP9pU6KfXBBB3CtL4o6xeXn2HwJ4dl8vWPEW5JJh/y6WYB82U++AVA7knByBXaaJo1l4e0Oz0jSoRDZ2cSxRIPQDqfUnqT3JJrVe7G/ViL1FFFZDCiiigAooooAK57xt4Ps/G3huTS7uRreZXWa0u0XL2sy/dkXkcj6jIJFdDRTTad0I474beLrnxNoU1prcX2bxBo8v2PVLfpiQdJAP7rgZB6dcV2Nea/EG2l8HeJrP4j6ZCzQwKtpr0MS5aa0JwJcfxNGSD9OpwOPRbW5gvbOG6tJVmgnjWSKRDlXVhkEH0INXJL4l1AlooorMYUUUUAFFFFAGd4g12x8M+Hr3WdWk8u0sojLIRjJ9FGepJwAO5IrjvhjoV/dNd+O/FcRXXtdUGOBx/x4Wg/1cC9xkYZumTjIyCTR1cD4l/FGPQ1HmeHPCsqXGpZ+7d3vPlw46MqAZb3yCOhr1CtX7sbdWIKKKKyGFYc//I0XX/XnB/6HNW5WHP8A8jRdf9ecH/oc1dOG/iEy2J6KKK9QgKKKKACiiigAooooAKKKKAIIP+Rotf8Arzn/APQ4a3Kw4P8AkaLX/rzn/wDQ4a3K8vE/xC47BRRRXMUFcb8TfCQ8UeFpGt03X9kDNb4HLcfMn4gfmBXZUUpJSVmdOFxNTCV416b1i7/16nAfCTxZ/b/hkafdyA32nAIcnl4v4W/D7p+g9a78gEEEZB6g14n4pt5fhr8ULbX7FG/sy/YtKi+5/eJ+u4f/AFq9ogniuraK4t3EkUqB0dejKRkEfhUU27cr3R62d4amqkcZh/4dVXXk/tL5M828Ln/hXnxIuvB0mU0TXGe/0Qlvlhkxme3HoM/MB0we5Jr02uS+JHhWbxV4TddMbydZ0+Rb7S5wOY7iPlRn0b7p+ue1W/AviuLxn4QtNWRPJuDmK7typUwTrw6EHkYPr2Irol7y5j586KiiuP8Airrr6D8N9UktVaS+vY/sFlHG212nm/drt9xuLY77amKu7AZPwsI8Q6p4n8cso26zfm3siCSDaW48tGGTxuYMTjjNejVleF9Ch8M+FNM0S3IKWNskO4DG8gfM31JyfxrVpzd5aAFFFFQMKKKKACiiigAooooAKKKKACiiigAooooAKKKKACggEEEZB6g0UUAec/ConQb7xJ4HmO3+xr9p7FDwPsc/zoFzyQpLAnkZOM16NXnPjNm8OfFjwn4myVtb8Pod6c4UByXhJP8Av56+tejVpPX3u4gooorMYUUUUAFFFFABRRRQAUUUUAFFFFABVXVNTtNG0m61LUZVhtbSJpZZG/hVRk1arzPx3NL428bWPw7sudORU1DxDKADiFWDRQZPQuwBOMHABHG4VcY3Yif4W6beapLqHxA1+HytR8Q4NpA3JtLFf9VHn1YYY468Hg5r0WkVVRQqAKqjAAGABS0pS5ncAoooqRhRRRQAUUUUAFFFFAEV1bQ3tpLbXcSzQTIUkjcZDKRgg15z8Nbufwrr2o/DfVndv7PzdaNPIwPn2THhM4+9GTg59eBgV6XXBfFXQ7yXSrPxV4fRjrnhuU3cATOZ4cfvoeOSGXt3xjua0hr7r6iO9orN8O67Z+J/DljrWmPvtb2ESpzkrnqp9wcg+4NaVRsMKKKKQBXJ/EbxbL4S8KtLpsX2nWb+RbLS7YEZluJOF4PUD7x+mMjNdZXmXhmR/iH8TLrxTKu7QfDryWGi/KMTzkATz56kcBVPTHTBzWkEt3shHVeAvCUfgvwha6V5guLrJmvbnvcTucu5J5PPAzzgCujooqG23dgFFFFIYVhz/wDI0XX/AF5wf+hzVuVhz/8AI0XX/XnB/wChzV04b+ITLYnooor1CAooooAKKKKACiiigAooooAgg/5Gi1/685//AEOGtysOD/kaLX/rzn/9Dhrcry8T/ELjsFFFFcxQUUUUAYHjXw1H4q8LXOnMF8/HmW7n+CQdPz5B9ia434NeJJJbK58MajlLvTyzRK/B2bsMv1Vj+vtXqNeMfEexuPBPj6w8YaSpEVxJ+/UdDIB8yn2dc/iGNZT91qaPpsoksbQqZZU3l70PKS6fNHs9eYMB8OvjAH5j8P8AjFtpwPkt9RXp7DzFz9SOelejadf22q6bb31jIJLe4jEkbDuD/X2rG8eeFIfGfg2+0iQhJ3XzLSbvDOvMbg9sHrjsSO9dEJK+uzPmpRcW4yVmjoq848Uf8VN8aPDHh4fPaaJE+u3i9VMgPl249mDFm+lbPw08VTeK/B8cmop5OrWEjWOpQE5Mc8fDZ+ow341jfCn/AIn2o+KPG8nzLrWoGCyc8/6Jb/u0I7DJDEgdx1NUk43b6Eno9FFFZDCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAOS+KOiSa/8NNZtbVN15FB9qtCo+YTRESJt9CSuPxrU8Ia7H4n8G6TrUTBvttpHK+P4XI+dfwbI/CtkgEEEZB6g15z8Kj/YmoeKfBT5VdE1IzWaZ4W0uP3kar9DuB7ZNaLWD8hHo1FFFZjCiiigAooooAKKKKACiiigAooooAyPFfiSy8I+FdQ13Uj+4soi+0HBkboqD3ZiAPrXP/C3w5daT4dm1jXNra94gl/tDUGGfkLcpFz0CKcY7HOOKxvES/8ACw/izY+Goz5mheGduoattPyzXJ/1EB9ccsR0IyODivUK0fuxt3EFFFFZjCiiigAooooAKKKKACiiigAoIBBBGQeoNFFAHmHhLHw9+JV74KlO3R9a3alorHIEb/8ALa36Y4PzADoCO7V6fXF/FHwvc+IfCgutGYxa7o8ov9MlUDIlTqn0YZGPXB7Vs+DfE9t4x8I2Gt2Y2C5j/exHrDKOHQ+4YEfr3rSXvLmEbdFFI7rFGzyMqIoJZmOAAO5NZjOF+Kmv3Vpotp4a0KRV13xNN9gtCSf3KEfvZjjnCKe3OSCOldR4c0Gy8L+G7HRdLTZa2UQjT1buWPuSST7muD+HsL+NPG2rfEW8DGzy2m6CjdBbocSTAersDg8EYYdMV6fWk/dXKIKKKKzGFFFFABWHP/yNF1/15wf+hzVuVhz/API0XX/XnB/6HNXThv4hMtieiiivUICiiigAooooAKKKKACiiigCCD/kaLX/AK85/wD0OGtysOD/AJGi1/685/8A0OGtyvLxP8QuOwUUUVzFBRRRQAVk+KdBh8S+GrzS5+POT9239xxyp/MCtaihq6saUqs6NSNSDs07r5Hk/wAINfnsbu88HavlLi1d2gVj0wfnQfj8w/GvWK8e+K+kXPh3xNp/jTRl2sJFW4wDjzF+6Tjsy/Kfp716nourW+u6JaanZnMNzGHAPVT3U+4OR+FZU3b3H0PfzqnCvGGZUV7tT4vKa3Xz3X3nj3xYOp/DzXdQ8ReHoTLbeK7Q6bdxrwIrvbiGb6kbh+Z716x4T0KPwx4Q0vRYeVsbZIif7zAfMfxOT+NeffFHSf8AhYHjvQ/AZneG2jsrjVrtkPK4BigYfSRicV0Pws8S3OteGZNM1wldf0KU2OpRt1LLnZIM8lXUAhu53fWuyV3TX9eh811O3ooorAoKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAK848Uf8U38avDGvj5bbW4ZNEu2PID/wCsgwPUsCM+lej1xnxa0SbW/hrqQseL+wC6hZsOqywneMe5AI/GtIP3rMR2dFZnhrW4fEnhfTdZtv8AV31sk4H90sMlfwOR+FadQ9NACiiikMKKKKACiiigAooooAK5/wAc+KofBng2/wBamUSywpttoO88zcRoAOTliM45Aye1dBXl9wF+Ivxlit1ZpNA8GESzcfJPqRJ2r/teWoznqG46Grgk3d7COi+Gnhabwx4Qj/tQ+ZrOoyNfanMfvPPIdzAn/Z4X8PeuuoopNtu7AKKKKkYUUUUAFFFFABRRRQAUUUUAFFFFABXmOlkfD74wXGjNti0LxaWvLHkBYL1QPNj68bxgj3wB3r06uU+JHhN/F/g2e0s38nU7Vhd6dODgxXCcqc88HlT7Ma0g1ez2Yjq687+LGqXd5b6d4G0KTbqniWQwyuvJtrMf66U+nHyjPXLY5FbXgvxta+JPAEWv3ri1ktomTU0kG37NNEP3oYc4AIJHfaQeK574X2kviTWtX+I+pJIH1dzbaTHKuDDYI2FOP4S7DcR04BHWnFcrbfT8wPQdL0y00bSbXTdOiWG1tIliijX+FVGBVqiisxhRRRSAKKKKACsOf/kaLr/rzg/9DmrcrDn/AORouv8Arzg/9Dmrpw38QmWxPRRRXqEBRRRQAUUUUAFYFy9zcjVbmK6lhNixSBEOFyqByWHfJOPpW/WVdaRNLJdrb3Yhgvceehi3NnG0lTkYJAA5B9aALUl07aO11DGzSGAyIijJJ25AA71maO7RXUMV7JqK3EkOQt06lJCMbiME4I9Dg4rTa0keOeH7Q0cLxhIhENrRcYJDZ57fTFQwafcm9hudQukna3QrEI4tgycZY8nJwPYUASPPJb+IrR4rWa6Y2k42QlAR88PPzMox+PeugjYvEjsjRsyglGxlfY4JGfoTWLB/yNFr/wBec/8A6HDW5XmYn+IXHYKKKK5SgooooAKKKKAOd+IFol78OfEEUig406d0JH3XVCyt9QwB/CvH/CF5P4R1+XwvqFxeQXK6napbkXcoQk3MauuzdtIeMk8j+de931lBqWn3Fjep5lvdRNDKgYruRgQRkYI4PUc14b8cfB1r4b0mDxZotxfJeQzJHma/nmcy5/dODI5OVI6ew9KLXaa3Pay3EU3Sq4SvblmrpvpJaprR77eeiOy+Gf8AxUHijxd41f5or++/s/T26qba2Gzeh/uu5Ykeq1B42B8A+PtO8d2qbdMvymm68i5wFY/ubggDqp+Un0IHetv4R/2fH8LNEtdLCqlrAIZlHaYcyE+m5iW+jCul1vR7PxBod5pOpxCW0vIWilQ+hHUehHUHsRWvOnK62/Q8irSnRm6dRWktGvMuqyuoZCGVhkEHIIpa89+FWq3lnb33gbxBMJNY8NsIVkyP9JtCAYZR/wABIU+mBnkmvQqiUeV2MwoooqRhRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFBAIIIyD1BoooA86+EobRH8SeC5QwGgakzWoP/AD6z5ki/9n6V6LXnHiT/AIpj41eHNeHyWmvQtot2R080fvICfUkgrn0r0etJ6vm7iCiiisxhRRRQAUUUUAFFFFAHJ/Enxe3g7wfLdWSedq1462emW4GTLcycJx3A+8R3xjvVjwB4UTwb4NtNLL+bdnM97cH709w/LuT354HsBXK6EV+I3xRn8Sn97oPhh3stKOfluLoj99NjuFGFU9DwRyK9OrSXurlEFFFFZjCiiigAooooAKKKKACiiigAooooAKKKKACiiqGua1ZeHdCvNX1WXybOziMsr98DsB3JPAHckCnuB4P8SbdNL+LI8JafrEVhpPjZ7eTVoBw0JDlSVPRfNAA9znPGK+grW2gsrOG1tIlhggjWOKNBhUVRgAD0AFeT6D8PG8ceB9b1nxVH5Gs+LNtzG2cmwiXm2VfQgYJ7nOD0rrPhp4ouvEXhl7bWl8vXtHmNhqkRIJ85ON4x1DAZz0644Fb1NY6dCUdjRRRXOUFFFFABRRRQA2RikTuqNIyqSEXGW9hkgZ+pFc+k8lx4iu3ltZrVhaQDZMUJPzzc/KzDH49q6KsOf/kaLr/rzg/9Dmrqw38QmWxPRRRXpkBRRRQAUUUUAFFFFABRRRQBBB/yNFr/ANec/wD6HDW5WHB/yNFr/wBec/8A6HDW5Xl4n+IXHYKKKK5igooooAKKKKACvNPG1tb+Mvip4c8JTBprLToZdX1KIrlDx5cCk5+9uLnHpg969Kd1ijZ5GVEUEszHAAHcmvN/hGsmvTeIfHl3HtbxDe7bLPUWcH7uLj+Ekhs+uAa0jonIE2ndHOeEbyf4bfEi48N6nIRp184EUjnjnPlyZ9/untn6V7ZXBfFfwh/wkPh7+0LJCdR09S6bRzInVl/DqPpjvU/wv8YDxR4aWG7kDajYgRz5PLr/AAv+IGD7j3rmh7suR/I+nzKKzHCRzKn8StGovPpL5mf8TrGbQbuw+ImjQPJe6KQmoRIcC5sDnzAR3KZ3A9B8xwa77T7+21TTbe/sJVmtrmNZYpF6MpGQandFljZJFV0YEMrDIIPYivNPBDyeAvGVz4AveNMuvMvvD8zHjyycy2+fVCSQPQ5PUCun4o+aPlz0yiiisxhRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHGfFjQJvEHw31GOwD/ANoWQW/sjH94TRHeNvuQCv41u+Fdeh8UeE9M1u227L62SUqpyEYj5l/Bsj8K1iAQQRkHqDXmvwvVPDPiTxT4F2rFDp939v02PJ/49Z/m2rnkhGyM+prRawt2EelUUUVmMKKKKACiiigArg/in4jvbLS7Tw14cJPiHxHIbSz29YY8ZlmPoFXPPqc9jXa317babp9xfX8ywWttG0s0rnARFGST9AK8++G9pdeKNav/AIja0hRtRU22jW7D/j2sVPDezSH5j+nBwNIK3vPoI7Pwx4dsfCfhmx0TSk2W1nEEUnq56s592JJPua1aKKhu7uwCiiikMKKKKACiiigAooooAKKKKACiiigAooooAK8v8WsPiJ8RrXwRCGk0TRil/r7D7sj9YbY/UjcR3HuK6vx94uj8GeFJtQVFnvpWFvp9qQSbi4fhEwOTzyfYGovh54Tl8J+F1i1Gb7VrN9IbzVLo4JluH5bnuB90ewzgZrSPurm+4R1QAAAAwB0ArzDxsn/Cv/Hll4+tV26XfbdP8QIoOApwIrggDkqRgnrggd69Pqrqem2msaXc6dqUKz2l1E0U0bdGUjBFKMrPUCyrK6hkIZWGQQcgilrzr4Y6ld6NdXvw91+Vnv8AQ1VrGd/+XyxPEbj3X7h9MAdjXotKUeV2AKKKKkYUUUUAFYc//I0XX/XnB/6HNW5WHP8A8jRdf9ecH/oc1dOG/iEy2J6KKK9QgKKKKACiiigAooooAKKKKAIIP+Rotf8Arzn/APQ4a3Kw4P8AkaLX/rzn/wDQ4a3K8vE/xC47BRRRXMUFFFFABRRRQBwfxg1a6tfBH9jaQ6jVfEVwmlWoz083h2+gTdk9sg56V12h6RbaBoFhpFiMW9jbpBHxyQqgZPucZPvXBaeD4z+Ol7qJxJpXhCA2Vuc5V72UAysPdV+Q++K9LrSWiURBXiXieyufhh8Q4PEGlIf7LvnPmRLwvJy8ft/eX6e1e21l+I9AtPEug3GmXy/JKvyuOsbjow9wawnHmWm57GU4+ODrtVVenNWku6f6roXLC+t9T0+C+spBLb3EYkjcdwRXNfEXwlL4q8Oq2ly/Zdc02QXml3XeOZeQD/stjB/PBxXEfDnxDdeD/Etx4M8RvsQykW0hPyq/oD/dYYI9D9TXslVTqX1W5nmmXywNfkveL1i+6ezOa8BeMIvGnhiO+aL7LfwO1tqNmQQ1tcJw6EHtnkexHfNdLXl3jCCX4b+M18e6XDJJo1/tt/EVrF/DziO6A9VJwfY+5NemWtzBe2cN1aSrNBPGskUiHKurDIIPoQa1klutjyyWiiisxhRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFeZ/EgR+FfG3hfx4ke2KKf8AsrVJBnH2ab7jN6BH59ywBr0ysrxToFv4p8Kalod3xFfW7w78Z2MR8rY9QcH8KuDs9RGrRXF/CjxBca54Ghg1XjV9IkbTdQQnJEsXGc98rtOe5JrtKUlyuwBRRRUjCiiuR+I3jOTwjoMSaXb/AG3XdTl+yaVZgZ82Y9z0+Vc5PI7DIzmqSbdkIwPGdwPiF4wT4e6f5n2CxeK98Q3KPtXy+Slp05ZztYnIwF7nIHpccaQxJFCixxooVUUYCgdAB2Fcz8P/AAevg3wytrPM13qd05utSvHbc1xcPy7Z7gHgew9Sa6inJrZbAFFFFQMKKKKACiiigAooooAKKKKACiiigAooooAKRmVFLOQqqMkk4AFLXmfxD1S98VeIYPht4clkiku0E2uXsRwbOzzygP8Affpjng8jByKjHmdhDfDDJ8TPHg8atG/9gaL5lnoqSHK3M24iW7C4GBjCLkn7pPBGK9Oqrpmm2mj6XbadpsKwWlrEsUMa9FUDAFWqcpXegBRRRUDOE+Jvh7ULi2svFXheMN4h8PyGeFOf9KhwfNgOOfmXOPcY75rpPCviWx8X+F7LXNKfdb3ce4KTzG3RkPuCCPwrXrym7ZvhN8QnvfmXwd4knzcj+DTb0/8ALT2R8DPv9AK1XvLl6iPVqKKKyGFFFFABWHP/AMjRdf8AXnB/6HNW5WHP/wAjRdf9ecH/AKHNXThv4hMtieiiivUICiiigAooooAKKKKACiiigCCD/kaLX/rzn/8AQ4a3Kw4P+Rotf+vOf/0OGtyvLxP8QuOwUUUVzFBRRRQAVznj7xSng7wTqGr433KR+XZxBdxluH+WNQO/zEZx2Bro68wui/xD+MkVkBu8P+DZBPOedtxqDD5F9D5YyfUEkHqKuCTd3shHT/Dnwq/g/wAD2Wm3TeZqEmbm/lJBMlxId0hyOuCdoPoorqKKKltt3YBRRRSGcF8UPAw8TaT/AGhp0Y/tWzXKY4MyDkpn1HJHvx3pvwv8djxJpv8AZmqS41e0GG39Z0H8X1HQ/n3rv68k+JPg280jVB4y8KboZ4m8y6SEfdPeQD0/vD6n1rKScXzr5n02XV6ePw/9m4l2f/LuT6P+V+T/AK6Hq9xbQXlrJbXcMc8EqlJIpUDK6nggg8EH0rzDwrcXHww8WReB9XkaTw/qDFvD97ISfKYsc2jsf4snK+uffC9b4I8bWfjLSRNFiG9iAFzb5+6fUeqn/wCsaueLfCuneM/Ddzo+rR5jlXMcyj54JB92RD2YH8+h4JreE015M+fxGHq4aq6VVWkjaorz3wH4s1C01ZvA/jiVf+EgtI91rdH7upwDP7xT/fAHzDr355NehUSi4uxgFFFFSMKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDzS6DeBvjVDej5dH8ZBbackcRX0anyznH8a8AdzkmvS653x34WTxj4PvNK3+VckCWzuOhguE+aNweowRzjsSO9V/hz4uPjDwhDdXaeTqlo7WmpW5+9DcJw4I7Z6498dq0fvRuI6qiio7i4htLWS4upUhhiUvJI7YVFHJJPYVAynruu6d4a0O51fWrlbWytU3ySN+QAHck4AA5JNcR8P9E1DxBrsvxF8W2wgvr2ERaRYOMnTrTnGT/wA9HzknGQDjjJUZumwy/GXxJDrl/HND4K0mfOm2kqEDVZlP+vdT/wAsx0VSOec4+YV6zWj9xW6iCiiishhRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRWJ4u8WaZ4L8Oz6xrEjCKP5Y4oxmSeQ/djQdyT+A6nABNNJt2QjO+IHjUeEdJii0+AX+vak/2fS9OB+aeUkDJ9FXOSTgdsjNL8PvBf8Awh2hy/bp0vtb1GU3Wq34XBuJmJJx/srnAHA6nAJNZHgPwrqV3rMvjvxqrDXb6PZaWL8rpVuekS5/jI+8eOpGOTn0Krk1FcqAKKKKzGFFFFABVHW9GsfEOiXek6tAs9ndxNFKjDsRjIPYjqD1BwavUU9gPNfAGtX3hjXZPh34rnaW5tU8zRr+Q8X1rjhcnrInIPsPQZPpVcx488FweNNCS3WdrLU7OUXOnahH9+1nXlWHsehHf6gEUvAPjS41oT6F4njSy8U6aNt5bDhZl6CaL+8h9uh9OK0l7y5l8xHaUUUVkMKw5/8AkaLr/rzg/wDQ5q3Kw5/+Rouv+vOD/wBDmrpw38QmWxPRRRXqEBRRRQAUUUUAFFFFABRRRQBBB/yNFr/15z/+hw1uVhwf8jRa/wDXnP8A+hw1uV5eJ/iFx2CiiiuYoKKKoa3ren+HNFutW1m6S1srWMvJI5x9APUk8ADkkgDk09wMD4jeLZvC/h5ItIXz9e1SQWelW4XcXmb+Mj+6o+Yk8dAetXvA/hVPB/hW30wzNdXbEz3125LNdXD8ySMTyST3POAK5bwBpN74q15viP4nt2t7i4iMWi2D/wDLlano55/1kgOSfQ++B6TVy91cqEFFFFZjCiiigAoIyMHkUUUAeL+MvBuoeBdZHinwbuSzQ7poU58j147of0+leh+CvG1j4x0zzICIryID7RbE8ofUeqn1/CulIDKVYAgjBB715H4v+G19ouqf8JJ4BLQzRN5jWkPBTg5KDuD3T3IHpWLi4O8dj6qliqGbUlhsbLlqrSM31/uy/wA/6feeLfBemeMrS1j1Fri3uLGdbizvbRwk9tICDuRiCOcDIII/ECsHwT47vbjWJPB/jqGOw8U2qlkKDEOpRDOJoj64ByvsSO4WPwP8U7PXimm67tsNUX5cudscxHHGfusT/D+XpXR+LvBumeMtMW31APDcwMJLS+gO2a1kHIdG7HI/GuiFSMlZ7fkeBjMFXwVV0q8bP8H5p9TforzHS/HGreB9Qh8PfFAqYWYRWPiSNCILrjgTf885PXPB57DJ9OolFxOMKKKKkYUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFeX+Jy3w3+I0fjGFGGga35dnrgVSRBKGxFcnHb5tp/qTx6hXP+N9c8PaH4UvG8XXKRaddRPbPESd9wHUgxoo5YkZ6fXjrVwethG1cXtrZ2Ml7dXEUNrFGZZJ5HAREAyWLdAMc5rzRDP8AGe4csbmx8D2k64TYVbXWXdn5sgrCrBeMHdk8gj5fPfB9pqOv6zpHgz4l3epWHh5ITPomnXqCJ9TRXOxJ3B6ooX93x26cZ+kIYYra3jgt40ihiUJHHGoVUUDAAA6ADtVyXs/UNwhhitreOC3jSKGJQkccahVRQMAADoAO1PoorIYUUUUgCiiigAooooAKKKKACiiigAooooAKKK5Dxp8RNP8ACbxadbQSav4guh/oekWnMshPRm/uJxyx9DgHBqkm3ZCNbxV4r0rwbocmqa3cCKJTsjjHLzuRwiL/ABMcdPx7Vy/hrwzf+J9atPG3jmJ47lELaXocqYTSwWOHbk75mUKSSAVJIxkDCeGPAWo32vReLviPPFf64nNlYxc22lqcHag/if1fnoMZwDXoVU2oqyAKKKKzGFFFFABRRRQAUUUUAFcl418DxeI2g1fTJ5NO8SaZG7abfwuFIfadscmVO6Ik/MuOQT6mutoqk2ndCON8B+Pf+Eo+0aTrVm2k+J9NGL/Tn6dcebGf4ozxzzjIGTwT2Vcp418BWni6KG6guZdK1uyO+x1S2/1kLehH8Snuv6isjw78QL/T9cg8K/Ei2j07W5m8uzvYFb7JqXp5bEfK/IBU9/TIFU4qWsfuA9CrDn/5Gi6/684P/Q5q3Kw5/wDkaLr/AK84P/Q5q1w38QUtieiiivUICiiigAooooAKKKKACikJCgknAHJJ7UyKeK4TfBKkq5xuRgR+lADIP+Rotf8Arzn/APQ4a3Kw4P8AkaLX/rzn/wDQ4a3K8vE/xC47BRWVrPinQPDq513WrDTjtLBbm5RGYeyk5PToK4uT4o6j4mzD8LfDtxrakD/ibXyta2UeSM8vhpCM8qoz6ZrFQkxnbeIfEek+FdGm1TXr2OztIRks55Y/3VHVifQc1w2i6bqPxO1SPxB4w01rTw1Dh9I0S6yJJJAQRczqCAeAQqNuGGJx0LW9A+GcsurweIfiJqn/AAkmtw8wRsgWzsj1/dRY5IP8Z54BwCM16DVXUfh3AKKKKyGFFFFABRRRQAUUUUAFFFFAHEeM/hhpXilXurYLYaljieNflk/317/Xr064xXFW/ijxn8M7lLPxPbvqWmniOUuWH/AJP/ZW/SvbKjnghuYWiuYkmjYYZJFDKfqDWcqet46M93C5zOFL6vi4qrT7Pdf4XujldP8AF3hHx5psmnSywSrdKY5LC9AVnzxgA/e/4CTWHD4T8T/D2bf4Cm/tjw+oYnw7fT7HiJX/AJYXDAkcgfI3HLdzmpfEPwZ0LU2M2jyPpNx1xGN8ZP8Auk5H4ED2rmxpnxS8F4WwnfVrNDwit54x6bW+cfRaaqzhpJXR0f2bl+M1wVflf8tTT7pbM7jw58TtB12+/su8M2h62n+s0vVE8mXP+znhx6YOSOcV2NeFax8QtM16H+zPiR4KScoMggFJIz6ruwyH3DA1W0/xHBoZD+B/HV7bQqDt0jxRbvdW5PQASx5eNRnIAJ5HPpVqpSls7epyVshzKjq6Ta7x978rnv1FeRQfG67sDGmv+G1uk2gNc6Bfx3fmN0JEDbZFGexyQD1OK39H+N3gDWZFiGvR2EzZ/d6ijW+3jPLMAv69avlb21PKqUatLSpFr1TR31FUdL1zSdbjeTRdUstRRMbmtLhJQuemSpOM4P5VeqdjIKKKKQBRRRQAUUUUAFFc9qPxA8IaUrHUPE+kwMoyUN5GX/BQcn8BXNN8a9BvmMXhHTNa8TzZ2j+zdPfywf8AadwoABxk8/eFWoSfQR6NUF7fWmm2cl3qN1DaW0QzJNPIERB6ljwK4OS/+KniCR4bHRtK8I22SpuL65F9ORnhlSP5ASMcMT356VNb/CTS7u8ivfGWqan4suUAby9UmBtkkxyyQKAqg88HdgHv1p8qW7AqTfE6/wDE8z2Xws0V9YIYxvrN6Gg0+Bu/zEbpSO6qO4IJq74Y+GUNhrH/AAkXi7UJPEniNsFbq5XEVp32wR9EHv14yMZIruYoo4IVigjWONBhURcBR6ACnUc9laOgGF4u8JWPjDRxZ3rSW88Mgms72Bts1pMPuyI3Yj9a5nw344vtG8Qr4P8AiF+41Jn8vTNU8vZDqq5wCOSFl6ZTPU49M+h1l+IfDekeKtJfTdfso7y1Y52vkFW7MrDlT7g5pRkrWlsBqUV5nFpvjv4eRBNGk/4TTQo87bO5l8u+t17KkhysgHocHHArT0n4v+Er6cWeq3j+HtSH+ssdajNrIn4t8p9sHmnyPdagdzRUdvcwXduk9pNHPC4ykkTBlYexHBqSoGFFFFIAooooAKKKjuLmC0gae6mjgiXG6SRgqjJxyT70wJKK5LVPir4E0eMve+K9LOM5S3nE7jH+zHuP6Vjx/FmTWmKeCPB2u68SpK3Dwiztm4yB5spHJ4PTow78VXJJ9BXPRayfEXirQvCenm98R6pb6fB2MrfM/sqj5mPsATXJJZfE7xPKp1S/0/whpzNl7fTx9qvCndTKw2KccBlBxycdK0tA+F/h3Q9QGpzrda1qwPGpaxP9pnUdgCRhcZPQDrT5YrdgYb+I/GvxCj8jwbp0nhjRZRzrmqx4uJUPeCD3HIZjgg8YNdP4O8A6L4Kt5DpySXOoXGTd6ndv5lzcknJLOe3sOOPXmumopOWllogCiiioGFFFFABRRRQAUUUUAFFFFABRRRQAVm6/4e0rxRo82l69ZR3lpMMNG46e4I5U+45rSop3tsB5rDpfjX4dsyaHv8XeG449sGmzTLFe2Y3A/JIV/fKAWG1iDjaAeOdHw54w0zxfreozaYLmGa1t4Ibq0vIGhmtpN8x2up6HHpkV3NYM0aL4rvHVFDtZW4ZgOTh5sZP4114eV6mq1JexZooor0SAooooAKKKKACiiigDL1/5tNSNv9XJcwpL/uGRQQfY9KSBFg8UTpAqoj2iO6qMDcGYA/XGR+FaM8EV1bvDcIHjcYZT3qK0sILLeYFfdIRveSRnZsdMliTxQByPjzQfFmv6tpUPgvxCmhzRwXLTyMCfMXdDgcA9646X4NfE68c/2p4/GoRNyYJ7y7EefXajLXrswu4dUgvLOKGby4ZImSWYx/eZCCCFb+5+tT/2nq3/AEDrL/wOf/41XJVVXm9xfkUrHmWkfCfxBoa4sNE+HhfzTKJrrT7q5lDcciSWVmHTpnHX1Ndb5XxY/wCfzwb/AOAl1/8AHK6D+09W/wCgdZf+Bz//ABqj+09W/wCgdZf+Bz//ABqsXTrPdDujn/K+LH/P54N/8BLr/wCOUeV8WP8An88G/wDgJdf/AByug/tPVv8AoHWX/gc//wAao/tPVv8AoHWX/gc//wAapeyq/wAv5BdHP+V8WP8An88G/wDgJdf/AByjyvix/wA/ng3/AMBLr/45XQf2nq3/AEDrL/wOf/41R/aerf8AQOsv/A5//jVHsqv8v5BdHP8AlfFj/n88G/8AgJdf/HKPK+LH/P54N/8AAS6/+OV0H9p6t/0DrL/wOf8A+NUf2nq3/QOsv/A5/wD41R7Kr/L+QXRz/lfFj/n88G/+Al1/8co8r4sf8/ng3/wEuv8A45XQf2nq3/QOsv8AwOf/AONUf2nq3/QOsv8AwOf/AONUeyq/y/kF0c/5XxY/5/PBv/gJdf8Axyjyvix/z+eDf/AS6/8AjldB/aerf9A6y/8AA5//AI1R/aerf9A6y/8AA5//AI1R7Kr/AC/kF0c/5XxY/wCfzwb/AOAl1/8AHKPK+LH/AD+eDf8AwEuv/jldB/aerf8AQOsv/A5//jVH9p6t/wBA6y/8Dn/+NUeyq/y/kF0c/wCV8WP+fzwb/wCAl1/8co8r4sf8/ng3/wABLr/45XQf2nq3/QOsv/A5/wD41R/aerf9A6y/8Dn/APjVHsqv8v5BdHP+V8WP+fzwb/4CXX/xyjyvix/z+eDf/AS6/wDjldB/aerf9A6y/wDA5/8A41R/aerf9A6y/wDA5/8A41R7Kr/L+QXRzNzp/wAT72LyryTwPcR/3JbG5YfkZK5q/wDhd4p1D/WWXgaI+tva3kWPwWUCvS/7T1b/AKB1l/4HP/8AGqP7T1b/AKB1l/4HP/8AGql0Kj3ivwOmji6+H1o1HH0bR4zP8C/GEshaPU/D0A/uxxXBH/jzE1BJ8APF0y4l1bQHHo0Epr23+09W/wCgdZf+Bz//ABqj+09W/wCgdZf+Bz//ABqp+rS/kX4Hf/buYtcrrNo8Al/Zk8RTPuOraEnOR5cEiY/KpLf9nz4i6bIH0fxpb2ZX7vkXlzFj06A+p/OvcrG41ayt2i+w2T7ppZc/bHH35GfH+q7bsfhVn+09W/6B1l/4HP8A/Gq35a60S/I82deVR3nqzxBfhP8AGuD/AFfxDZ8dM6pctn/vpasL4A+OsKjZ43iftzclv5pXs/8Aaerf9A6y/wDA5/8A41R/aerf9A6y/wDA5/8A41UunWe6X4FQxHJ8K/GX+Z4z/wAIR8eRyPGUJI7ecP8A4iopvA3x5nDB/F4G4YOy5CfyUYr2v+09W/6B1l/4HP8A/GqP7T1b/oHWX/gc/wD8apKnWW0V+BUsUpK0op/OX/yR4FP8KvjbchhN4yu2VwQy/wBsShSD1GAcVj3P7PXxCudrXs1leuvRprx3P6nFfSv9p6t/0DrL/wADn/8AjVH9p6t/0DrL/wADn/8AjVVy4j+rCjiIRd1Tj+P+Z8/aX8HfiTo6AWNh4bVg24SNbxM4/wCBEZrpV0L48IoVNU09VUYADqABXrn9p6t/0DrL/wADn/8AjVH9p6t/0DrL/wADn/8AjVZuhVe6/I61mckrKEfuf+Z5J/Ynx6/6C1h/38FH9ifHr/oLWH/fwV63/aerf9A6y/8AA5//AI1R/aerf9A6y/8AA5//AI1U/V6nb8h/2pL+SP3f8E8k/sT49f8AQWsP+/go/sT49f8AQWsP+/gr1v8AtPVv+gdZf+Bz/wDxqj+09W/6B1l/4HP/APGqPq9Tt+Qf2pL+SP3f8E8k/sT49f8AQWsP+/go/sT49f8AQWsP+/gr1v8AtPVv+gdZf+Bz/wDxqj+09W/6B1l/4HP/APGqPq9Tt+Qf2pL+SP3f8E8k/sT49f8AQWsP+/gqhq3gj4y69afZtal0W/h7JdJHKFPqA2Rmvav7T1b/AKB1l/4HP/8AGqP7T1b/AKB1l/4HP/8AGqf1equn5B/akv5I/d/wT5wsfgb8UdJuZLjRL+LSZZRiRtPv2g3DOcfKRxx0rbs/AXx4sceT4smbH/Pe/wDN/wDQ817p/aerf9A6y/8AA5//AI1R/aerf9A6y/8AA5//AI1WnJiO35HI8RTbu6a/8m/+SPGh4Z/aAH/MzQn/AIFD/wDE0Hwz+0AeniaAfRof/ia9l/tPVv8AoHWX/gc//wAao/tPVv8AoHWX/gc//wAaqfZVv5V+Bf1tfyL75f8AyR4z/wAIx+0B/wBDPD/31D/8TVO48CfHm5GJPFco/wCud8E/9BxXuX9p6t/0DrL/AMDn/wDjVVr641a9t1i+w2SbZopc/bHP3JFfH+q77cfjVKnWT2X4ESxMJbwX3y/+SPBbj4S/GW9j8u/8R3N3Hndsm1iVlz6434rPP7P3jp5zNLYaRNIerTXLvn/vpzX0n/aerf8AQOsv/A5//jVH9p6t/wBA6y/8Dn/+NUOGIf8ASNKeNjT+GnH7m/zZ4Zpnw2+K2jOr6RbeHbJ0xte3t4kYY9wM1sf2J8ev+gtYf9/BXrf9p6t/0DrL/wADn/8AjVH9p6t/0DrL/wADn/8AjVZvD1XuvyN/7Ul/JH7v+CeSf2J8ev8AoLWH/fwUf2J8ev8AoLWH/fwV63/aerf9A6y/8Dn/APjVH9p6t/0DrL/wOf8A+NUvq9Tt+Qf2pL+SP3f8E8k/sT49f9Baw/7+Cj+xPj1/0FrD/v4K9b/tPVv+gdZf+Bz/APxqj+09W/6B1l/4HP8A/GqPq9Tt+Qf2pL+SP3f8E8k/sT49f9Baw/7+Cj+xPj1/0FrD/v4K9b/tPVv+gdZf+Bz/APxqj+09W/6B1l/4HP8A/GqPq9Tt+Qf2pL+SP3f8E8k/sT49f9Baw/7+Cj+xPj1/0FrD/v4K9b/tPVv+gdZf+Bz/APxqj+09W/6B1l/4HP8A/GqPq9Tt+Qf2pL+SP3f8E8k/sT49f9Baw/7+Cj+xPj1/0FrD/v4K9b/tPVv+gdZf+Bz/APxqj+09W/6B1l/4HP8A/GqPq9Tt+Qf2pL+SP3f8E8k/sT49f9Baw/7+Cj+xPj1/0FrD/v4K9b/tPVv+gdZf+Bz/APxqj+09W/6B1l/4HP8A/GqPq9Tt+Qf2pL+SP3f8E8k/sT49f9Baw/7+Cj+xPj1/0FrD/v4K9b/tPVv+gdZf+Bz/APxqj+09W/6B1l/4HP8A/GqPq9Tt+Qf2pL+SP3f8E8k/sT49f9Baw/7+Cj+xPj1/0FrD/v4K9b/tPVv+gdZf+Bz/APxqj+09W/6B1l/4HP8A/GqPq9Tt+Qf2pL+SP3f8E8k/sT49f9Baw/7+Cj+xPj1/0FrD/v4K9b/tPVv+gdZf+Bz/APxqj+09W/6B1l/4HP8A/GqPq9Tt+Qf2pL+SP3f8E8k/sT49f9Baw/7+Cun8AWnjSz1TVl8f3NvcXLQ25tzCc4TdLnP412n9p6t/0DrL/wADn/8AjVQQi7m1Se8vIoYfMhjiVIpjJ91nJJJVf7/6VvQozjO8kY18fKtTcHCKv2Wv5luiiiu880KKKKACiiigAooooAKKKKACiuXYZ0eXWNzfbFu2KvuPCibZsx6bRjHvmuooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiqGtRXE+jzw2aF5ZAFADBeCQDz9M0AX6KxtJWO01Ca0ayW1nMYkyk7Sq65I6kDBB9q2aACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAoorDjWe28SXDzXDTk2ZcKRhV+fgAf16mgDcormrWP7PZ6Lfozm5unTz3LE+aJEJIP0OCPTFdLQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFQ3UUs1uY4JzAzf8tAoJA74zxn3rn4be6u/CmnwwRm4zMDKHl2ZQMx5br1A6ZPNAHTUVlaKYo/tNqtr9lmhceYglMinIyGDHsR7CtWgAooooAKKKKACiiigAooooAzTosJnLefN5DTee1tkeWXznPTPXnGcZrSoooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACq95aR31q0ExZQSGDIcMpByCD6girFFAFO008W1xJcSTy3M8ihDJLtyFHQAKAAOfSrlFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVX+yR/wBofbMt5nleVjPGM5/OrFFAGbb6LDbzQkTzPFbktBA5GyIkEccZOASBknGa0qKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigArO/saEWNvbRyzRm2ffFKpG9Tz7YPUjBFaNFAFWysUs/NbzJJpZm3SSyY3McYHQAAAdgKtUUUAFFFFAH//2Q==)**

Fig 5 Light Intensity Sensor Membership Functions

1. ***Soil-Moisture Input Sensor.***

For light intensity sensor data, we have 5 linguistic values *Very\_Low, Low, Good, High, and Very\_High* as we displayed on the *Fig 6*. 50% of soil moisture is considered optimum setup for plants. So, we took 40 -60% for Good.

**![Diagram

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAkACQAAD/4RD4RXhpZgAATU0AKgAAAAgABAE7AAIAAAAPAAAISodpAAQAAAABAAAIWpydAAEAAAAeAAAQ0uocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEFiaGlqaXRoIFNoYWppAAAABZADAAIAAAAUAAAQqJAEAAIAAAAUAAAQvJKRAAIAAAADMTgAAJKSAAIAAAADMTgAAOocAAcAAAgMAAAInAAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADIwMjE6MDU6MDYgMDI6MDQ6MzUAMjAyMTowNTowNiAwMjowNDozNQAAAEEAYgBoAGkAagBpAHQAaAAgAFMAaABhAGoAaQAAAP/hCyFodHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLjAvADw/eHBhY2tldCBiZWdpbj0n77u/JyBpZD0nVzVNME1wQ2VoaUh6cmVTek5UY3prYzlkJz8+DQo8eDp4bXBtZXRhIHhtbG5zOng9ImFkb2JlOm5zOm1ldGEvIj48cmRmOlJERiB4bWxuczpyZGY9Imh0dHA6Ly93d3cudzMub3JnLzE5OTkvMDIvMjItcmRmLXN5bnRheC1ucyMiPjxyZGY6RGVzY3JpcHRpb24gcmRmOmFib3V0PSJ1dWlkOmZhZjViZGQ1LWJhM2QtMTFkYS1hZDMxLWQzM2Q3NTE4MmYxYiIgeG1sbnM6ZGM9Imh0dHA6Ly9wdXJsLm9yZy9kYy9lbGVtZW50cy8xLjEvIi8+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczp4bXA9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8iPjx4bXA6Q3JlYXRlRGF0ZT4yMDIxLTA1LTA2VDAyOjA0OjM1LjE4MjwveG1wOkNyZWF0ZURhdGU+PC9yZGY6RGVzY3JpcHRpb24+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iPjxkYzpjcmVhdG9yPjxyZGY6U2VxIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpsaT5BYmhpaml0aCBTaGFqaTwvcmRmOmxpPjwvcmRmOlNlcT4NCgkJCTwvZGM6Y3JlYXRvcj48L3JkZjpEZXNjcmlwdGlvbj48L3JkZjpSREY+PC94OnhtcG1ldGE+DQogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgIDw/eHBhY2tldCBlbmQ9J3cnPz7/2wBDAAcFBQYFBAcGBQYIBwcIChELCgkJChUPEAwRGBUaGRgVGBcbHichGx0lHRcYIi4iJSgpKywrGiAvMy8qMicqKyr/2wBDAQcICAoJChQLCxQqHBgcKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKir/wAARCAEpAoMDASIAAhEBAxEB/8QAHwAAAQUBAQEBAQEAAAAAAAAAAAECAwQFBgcICQoL/8QAtRAAAgEDAwIEAwUFBAQAAAF9AQIDAAQRBRIhMUEGE1FhByJxFDKBkaEII0KxwRVS0fAkM2JyggkKFhcYGRolJicoKSo0NTY3ODk6Q0RFRkdISUpTVFVWV1hZWmNkZWZnaGlqc3R1dnd4eXqDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uHi4+Tl5ufo6erx8vP09fb3+Pn6/8QAHwEAAwEBAQEBAQEBAQAAAAAAAAECAwQFBgcICQoL/8QAtREAAgECBAQDBAcFBAQAAQJ3AAECAxEEBSExBhJBUQdhcRMiMoEIFEKRobHBCSMzUvAVYnLRChYkNOEl8RcYGRomJygpKjU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6goOEhYaHiImKkpOUlZaXmJmaoqOkpaanqKmqsrO0tba3uLm6wsPExcbHyMnK0tPU1dbX2Nna4uPk5ebn6Onq8vP09fb3+Pn6/9oADAMBAAIRAxEAPwD3WiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKyPFPiK38J+GL3XL2KWaCzQO8cWNzAsBxkgd65xfixorfDF/G32e6FoknlNakL5wfzNm3GcZ53delAHdUVieEPE9t4y8KWevWMMsEF3v2RzY3LtdkOcEjqprboAKKKwJvFtpD4/t/CbQTG7nsTfLMMeWEDFcHnOcj0oA36KKKACiisjxT4it/Cfhi91y9ilmgs0DvHFjcwLAcZIHegDXoqvYXaahptteRKypcRLKqt1AYAgH86peHtafXtNa7l0u+0tlmeLyL6Ly5DtP3gP7p7GgDVoorlPFXjuHwzrOm6RDpV9q2o6ksjw29mq5CIMsSWIH/wCo0AdXRRRQAUUVR1nWLHw/o1zquqzeRZ2qb5ZNpbA6dByeTQBeorCn8TBG0NrTS9QvINYwRPBDuW1UqGDSn+Ec/oa3aACiiigAoorAuvFtpaeO7Hws8Exur20e6SUY2Kqkgg85zx6UAb9FFZMPiTTbjxVceHYZmfUba3FzMgQ4RCQBz0yc9BQBrUUUUAFFFcR4msLy/wDE16Gutct7SHRjNB/Z0kyIbgO/P7v77gYwhyGzyrYGE3b+vK40r/152OttdQtb24u4baXfJZyiGcbSNj7FfHI5+V1PHrUrXMC3SWzTRieRGdIi43MoIBYDqQCwyfcetebabZ69cyCHVIdRtV1LWIW1B7XzIWKjT4ycOmCqecgUspHI255NWNA0m/k8a6VeaimqulnDqVvDPcSTDMa3KCESZOGJTOC2S4VWOSARfLqk/wCtL/mLpf8Ar+tD0aiuW8S2NxqXifQ7Uz6pDp8iXH2k2E0sSswCFA8keCoyCQcjJGM4JB5OOHxJeaJey382vpcadpHm6Y0XnRvNMJJtrSIuBLIVSHMbg9eR8xqR2ueoRXCTSSogkBhfY2+NlBOAflJADDkcjIzkdQaGuYFuktmmjE8iM6RFxuZQQCwHUgFhk+49a4CW11/UdbW3upNWgtZdcHmm3lljUW/2AEgOpG1PNyMgj5unzVH4f0e//wCEt0e81NdWY2dvqcCzTzTkBRdKIQ+Thsx5ILZLBQedoIdtr/1pcXS/9f1oekUVwnhO01S21b7Pqv8AadxHe2Tyfbje3JjlIdRl4pVBtZCGyEjbGN390V3EaCKJY1LEKoUFmLHj1J5J9zR0DrYlsf8AkNxf9e8n/oUdbVYtj/yG4v8Ar3k/9CjrapAFFFFABRRRQAVFc3MFnay3N5NHBBCpeSWVwqoo5JJPAA9alrgPjNoMWr/DfV7i6u7xYbGxmmW0hm2RSyBco0mBubaRkLnbnkg4GAqKu7Haalq2naPYm91e/tbC1BAM91MsUYJ6DcxA5qW0vLbULOK7sLiK6tplDxTQuHR1PQhhwR9K4jxeZpPGXg9NKiju9VtxcXMVpct5cBj8sI7vIAxQjeoUhHJLEYAJYR+DdO/tTw54g0iW8utKvf7YnN8mnFYjbu+2QpE/PyMrA7wFY7icI3ANXf8Arql+v4WIvon3/wCC/wBPxOwvrq3u/D9/JaTxzxiGZC8ThgGUMrDI7gggjsQRVSub+HlpBp/wkurO0TZBb3GpRRIWLbVW5mAGTyeB1NdJTY+rCiiikAUUUUAFFFFABRRRQAUUUUAFFVJ9V062maK5v7WKRfvJJMqsO/Qmo/7c0n/oKWX/AIEJ/jQBfoqh/bmk/wDQUsv/AAIT/Gj+3NJ/6Cll/wCBCf40AX6Kof25pP8A0FLL/wACE/xo/tzSf+gpZf8AgQn+NAF+iqH9uaT/ANBSy/8AAhP8aP7c0n/oKWX/AIEJ/jQBfoqh/bmk/wDQUsv/AAIT/Gj+3NJ/6Cll/wCBCf40AX6Kof25pP8A0FLL/wACE/xo/tzSf+gpZf8AgQn+NAF+iqH9uaT/ANBSy/8AAhP8aP7c0n/oKWX/AIEJ/jQBfoqh/bmk/wDQUsv/AAIT/Gj+3NJ/6Cll/wCBCf40AX6Kof25pP8A0FLL/wACE/xo/tzSf+gpZf8AgQn+NAF+iqH9uaT/ANBSy/8AAhP8aP7c0n/oKWX/AIEJ/jQBfoqh/bmk/wDQUsv/AAIT/Gj+3NJ/6Cll/wCBCf40Act8Zv8Akj3iD/rgn/oxa8d+xXI8bjwGIyNOl1FPEOR90r9lMjL9Nwxj1FfQl7f+HtSs5LTUbrTLu2lGJIZ5I3RxnPKng1Du8Kfbhe50f7WIfs4uMxeYIv7m7rt9ulAHzT4VZtUg8M6Rrlta3mkx6RcT21pf6m1jA8pu5Qz7wDucDPHoM9uejsra61d/hrpmrasb+0mvdQhWW0upD5kAEeIzJhWOPmX6cV7PcaZ4Fu9Ng065tPD8llbEmC3ZIfLiJOTtXouTycdatg+Ew1kw/sYNp4Isz+6zbZGD5f8AcyAOmOlAHhLeEtLOi/EyEi4+z+Hrhn0q3+1SeXaNgsWVd2Mnaoyc8Crtx/ZOtfEbwKPGd6Ra3vhC3adpbgxLcSEO22RwRwTzjPJAHevaMeEtl6v/ABJduoHN4P3WLk/9NP7/AF75qG4svBN2iJdW+gTLHbi1QOkJ2wg5EYz0QHovQUAeA3epXdp4Z1DR9Iu5JvCI8VpZxyNdskZtyCWi87krHwvzc+vOebeqpNpfgvx7a6VcWFrpaQWbrpun6k94tpKZ4+VcqMBhuyAeo9q94RfCMejf2Qg0VdNxtNmPK8kjOfudOvPSobew8EWuky6Xb2+gx6fMQ0tqFh8uQgggsvRjkDr6CgDzXxd4M07RfhtpkGn6rDY3Op3ltcXn9qXExi1SXZzHI4OVDE56gcdsZHNfbre2+HXj/QU0gaZc28EE0sVpqH2qzGXUfu+TsJ6kZOfbGK97vLjwzqOnmxv5tKurMgA28zxvHgdPlPHFU7ax8E2elTaZa2+gxWE+POtlWERy4/vL0bp3oA80tdCtPCnxD+Gt1ozXEU+s2kyai7zu/wBp2wIQW3E93J9BgY6CuTvL2WP4EWM0t7cQAeLiHnjc70XD5IPt1r6BeXwvLPZzSSaQ8tiCLSRmiLW4IAIQ/wAOQAOMdK5nxd4a8P67oum6bo2paPpMNnqsWoukXlqkhXduG1SBk7utAHNeGYNG0T46Wun+Abzz9KvdKefUo4btriPeCdshYscMfl7/AMXvVjxj4X0jU/2gfDP222eT7ZZzyT4nkXc0a/IeGGMYHAxnvmu+0tPCOiPM+jDRrBrg7pTbGKMyH3xjNWJLvw3NqEN/NcaXJeQKyw3DPGZI1PUK3UA98UAePrr1rpun/GCC/wBRjguHnnS2ikmCuS6Oq7ATnqR0qDRtNh8ReKvh9pmqyTy2Vx4WDXEKzugnxk4YqQSMgHHfFet3Vl4JvdRkv7230G4vJIzG88qws7qRtIJPJGOPpxU8H/CJ21xbT239jRTWkXkW8kflK0Mf9xCOVX2HFAHgklzc6T4N1TQUvbq38PW3jY6fcyLK26CzzgpuzkLxk+/151/F+ieA7Twh4usPB+o3M7W9pDdtYQXLy2kDBwokVuRvIY5BY5z0449jA8JC2vLcDRRDfSGS7jHlbbhz1Zx0YnuTmorK18Gabp09hp8Wh21ncgieCIRKkoIx8wHDccc0AeX3Udlp1v8ACmLw1Irwvcs7LHcmRXlMaFgSWP8AETxnj2rkgdEn+Fl74t1HWp0+IUd42HN4y3EcomwsSxZ+7s5+7xz6Yr322tPBdnDaRWsOhxJYuZLVUEI8hz1ZP7pPcjmkey8FSayNWkg0JtRB3C7KwmXPru659+tAHm1l4fi8a/FzXLDxck7p/YlpLNaLM8aLOY1BYqpHKktgHgZrqfgVe3N98INKe8meZ43mjVnbJ2iRgBn2HH0rrI7rw1FqMuoRT6Ul7OgSW5V4xJIo6Bm6kD0NGn3XhvSbNbTSp9KsrZCSsNs8caKScnCrgdaAPBhaeF9Vv/iWfFeptHeWGoXM2nRSXrR+U2Xw8a7gGbcFGMHsO9bXhO+1S+8f+A7zUt82oSeGJmJlPzSfM+wk+42nPfOa6/Q/B3ha01HXbnX7vQ9YGparJqEC3Cxv9n3H7vzE8+4rr2ufDLahFftNpJvIYzFFclo/MjQ9VDdQPYUAfPAOiT/Cy98W6jrU6fEKO8bDm8ZbiOUTYWJYs/d2c/d459MVsSabpy/FHxJPrN7/AGJqb6Al0ly00imC6kiHmOFDZONzHaM4xkAYzXsj2XgqTWRq0kGhNqIO4XZWEy59d3XPv1qW5TwjeatFqd2NGnv4V2R3UhiaRF54DHnufzPrQB4p8PJLfw1448NxXGnWMsupRtDDqeiao7rd5X788LEsfUkhcHJxxgfRVczpth4I0a9e80m30GyuXBDTW6wxtg9Rkc4rX/tzSf8AoKWX/gQn+NAF+iqH9uaT/wBBSy/8CE/xo/tzSf8AoKWX/gQn+NAF+iqH9uaT/wBBSy/8CE/xo/tzSf8AoKWX/gQn+NAF+iqH9uaT/wBBSy/8CE/xo/tzSf8AoKWX/gQn+NAF+iqH9uaT/wBBSy/8CE/xo/tzSf8AoKWX/gQn+NAF+iqH9uaT/wBBSy/8CE/xo/tzSf8AoKWX/gQn+NAGjY/8huL/AK95P/Qo62q5H+3LCO6Se21fTlZUZCJJVYEEqezD+7U3/CVR/wDQZ0j8x/8AHKAOoorl/wDhKo/+gzpH5j/45R/wlUf/AEGdI/Mf/HKAOoorl/8AhKo/+gzpH5j/AOOUf8JVH/0GdI/Mf/HKAOorP1/RrfxF4evtHvXljt76BoJGhIDhWGCQSCM/gax/+Eqj/wCgzpH5j/45R/wlUf8A0GdI/Mf/ABygE7al7WvDFvrE9jdx3l3p2oWG4W97ZlPMRWGHQh1ZGU4GQynkAjBGam0HQLbw/ZzRW8s9zNcTNcXN1cuGluJTgFmIAHQAAAAAAAAAVl/8JVH/ANBnSPzH/wAco/4SqP8A6DOkfmP/AI5QHkW4dEtvD/hK/sbJ5XiIurjMpBbdKzyMOAOMuce2OtLWdc+I4bq1lgk1rSQsqFGKkZAIx/z0q7BPFcwrLbSpLG33XjYMp7dRQBJRRRQAUUUUAFFFFABRRRQAUUUUAJoX/Hxq3/X4P/REVa1czoOtWR8UavonmEXyyLc7CvBj8qJcg/WtWy16x1DWr/S7R3e40/Z9o+Q7VLDIGe56/lXj1mvaM6vq9VK7i9En8ns/TU0aKKKyMgooqK6uY7OzmuZyRFDG0jkDOABk/wAqBpNuyJar2tp9muLyXfu+1TCXGMbcRomPf7mfxpmlanbazpcGoWDM9vcLujZlKkjOOhq3TT00HKMoScZKzQUUUUiQooooAKKKKAK6WmzVJ7zfnzYY4tmOmxnOc++/9KsUUU9wCiqNprNnfavqGmW7sbnTjGLhSpAXzF3Lg9+KvUAFFFFIAqu9pv1SC8348qGSLZjrvZDnPts/WrFFMAooopAFFFFABRRRQBXurT7TcWcu/b9lmMuMZ3ZjdMe338/hViiimAUUUUgCiisbxB4p03w39mS+M811dsVtbO0gaaacgZO1FBOAOpOAO5ppN7CNmq99afbbdYt+zbNFLnGfuSK+Px24/GsrQvF+na9fT6fHFeWOowRiV7K/tmgl8snAcA8MueMqTg8HFbtPWLAKKKo61rFpoGjz6nqTMltBt3sqliMsFHA9yKW4y9RRRSAKKKKAK99afbbdYt+zbNFLnGfuSK+Px24/GrFFFMAooopAFFFFABVfUbT7fpd1Z7/L+0QvFvxnbuUjOO/WrFFNaAFFFUdU1mz0f7H9udl+23SWkO1ScyPnaD6Dg80bgXqKz9S1yy0m+020vHZZtTnNvbBVJDOEZ8E9uFNWNPvU1HT4LyKKeFJkDiO4iaORfZlbkH2NFnuIsUVR1LWLTSprCO8ZlbULoWkG1ScyFGcA+gwjc1eoGFV9OtPsGl2tnv8AM+zwpFvxjdtUDOO3SrFFABRRRSAKKKz9M1yy1e61G2tHbz9Nufs1zG6FSr7QwPPUFWBB6GmBoUVQ0zWrPV7jUIrB2kOn3JtZ2KkL5gVWKg98bgD75Har9GwFextPsVu0W/fumllzjH35GfH4bsfhViiijcAoqjd6zZ2Wsafplw7C51HzPs6hSQfLXc2T24qtqXiaw0rVE064E8l3JZzXiRQQtIzxxY3YA6t8wwvU0WYjXopsUglhSQBlDqGAZcEZ9R2NU7jWLS11ux0qZmF3fRyywKFJBWLbvye331oGXq57TP8Aj3n/AOvy5/8AR710Nc9pn/HvP/1+XP8A6PeuzCfEyZFyiiivQICiiigAooooAKKKKACiiigDgPEj/wDCPeJoPF6qxjtdR+yXgUZJhe3jwfwOfxIqAPqej/BzUNfhd4NR1q5+1zzJndFHI4Awew29D23V32nWdrqC6xbX9tDcwPeLuimjDq2IYiMg8dRWx9mgNp9lMEf2fZ5fk7Bs24xtx0xjjFeHXherJn0OHzWNOhSpyhdxav5xTbUfvb/A8rsZb6xTxDDaXyLZ/wBhyzfZ11U3kkcoU7ZVbaNuR2HfB9KBp17pvw60zxba6jqNzfQfZ7u5SW5ZlkiXhkC9MbSM+y16VaaFpFhbT29lpdnbw3AKzRxQKqyA8YYAcjBIwaqa7oU+oeHm0jRruDSYJIzC4W0EiiMqQVVcqF69ax5HY61m9OVVJLlTkrt9YpWadrvX59DJ8C3M2uXuteInmle0vLrybFGY7RDH8u4L23Hr9K3/ABF/yK+qf9ec3/oBqtBodzpXhuy0rw/exWf2VVTzZ7bzt4AOflDLgknOc+vFFrp2ufaANW1ayvbNlZZbddOMfmAgjGTIwx+Bz0qldKx5tapRqYh14SSinotb2jotla7S777nP+AfEWkW/gDSrU6rYC9WDaLZ7pA5fJwu3OcniuLXU5B4Jj8SJ4gu28Vte7fsf2kkM3m7fJ8n+7t5xivWI/Cfh2GVJYdA0uORGDK62cYKkdCDjg1ONC0kal/aI0yzF7nP2kQL5mfXdjOfep5JNWO+GaYSnWnVjBvmlzO9vO8f8Lvr6Hmnim41iDxNqHheyubiOXXpre4tHErfuFwxmAbsMp0GODWr8OtVvfFGszarcyziCxsILHy2YhXnxulcr6g8Z9DXfSWNpLexXktrC91ACIp2jBeMHghW6jPtRaWNpYRuljaw2ySOZHWGMIGY9WOOpOOtNQfNe5lVzWlPCOiqdpWSv56Jv5xUV63fUnooorQ8AKKKKACiiigDh9BvbW1+J/jUXVzDCWaxwJJAuf3HvVe8itPE3xN1DTdbvZxYWulQXFhbQXjwJNveUSzZRhuK7UXOcLn1Oa6fUfB3hjWL1rzV/Dmk3104Aae6sYpXYAYGWZSeBT7vwn4dv7G2s77QNLubW0XbbwTWcbpCPRFIwo+la8y3EeTReKtW0Pw5pviNr65v4riHUtHtZZpCftTpI7WUh7FmEbLu/i3A961fBEupt4osPB97qF1cyeFJrua9nkkbdcKwAtQ5/iyk7HnjMYr1CbS9PubWC2uLG2lgt3R4YpIVZYmT7hUEYBHYjpT4rC0gvbi8gtYI7q6CiedIwHlCghdzDlsAnGemabqJrYLE9FFFYjCiiigAooooAKKKKACiiigAooooAK4O+u7bSfjhb3WsSJbwX2hi1sJ5m2oZlnZpIwTwGKtGcd9vtXeVW1DTLDV7NrTVbK3vrZjlobmJZEP1VgRVRdhHlHjHxd4g0rVtQhtpfD99frot/cW8+nW7G7skTYV3Eu3DZzjABMftWhcwweGdc8KS+D9Ru7+bVFmWeKW9kuFvoRbvIJ2DMcEOE+YY++R3xXoGleH9G0KOSPRNJsdOSU5kW0tkiD/UKBmmaZ4a0LRbmW40fRdO0+eYYkltbRImcZzyVAJ55rTnVgPLbN0tfAvhHxTYaxe3PiLUr2zS4L3ruLt5XUXEDRFtoVQX4CjZ5Y6Yqj4ht7XVfhjr+vazqV0utrq8tu8ZvXVYdl3sjt/K3bdpjCnGMnO7rzXsFv4Z0K01d9VtdE06HUZCS95HaIszE9cuBk5+tMu/Cnh2/wBQa/vtB0u5vHADXE1nG8jAcYLEZp+0V7/16BY1qKKKwGFFFFABRRRQAUUUUAFFFFABRRRQAVw3xShuLjT/AA7FZXX2S4fxBaCOcRh/Lb5sNtPB+hruahubO2vPK+128U/kyCWLzUDeW46MM9COxHNVF2dxHmXiDStdsPHPgd9Z8Rtq0Tas4SI2UcOxvs8vzZXk+mKzvDdyda07wDp3iTUblNNutGnuWJu3i+2XStGFV3DAthGdtuecZ5xXrtxY2l1Nby3VrDNJbP5kDyRhmibBG5SfunBIyOxNc/r3g5dTtbCz07+y7fTrQMraZeaUl1ayA42kR7k2spBwQcfMcg8Y0U01Z/1uB5skEWr6fp9hFq97d2S+PHt4rkXbtJ5K20nyLLndjGV3A575zzXd+DIP7L8aeK9HtZrhrC1a0lt4Z53l8kyRkuFLkkAlQcZxnNaXhjwdaaDpf2e7+z39wb6S/Mv2VY0jmbIzEmT5YVflHJOM881ux2dtDdTXMNvFHPcbRNKqANJtGF3HqcA8Z6USmnogJqKKKxGFFFFABXnfizVY/h/40m8Ruhaz1jTXhljX/lpeW6s8I/3nQug/3Fr0Sq97p9lqUcaajZwXaRSrNGs8SuEdeVcAjhh2PUVUXZ6iPLPEFjq3hfwP4T0SMh5tS1If2u/21rQXE0iySuhnUMyB5eMgZIAXIzWXqT63Y+G/FemrdrpccV1pYht7TVpLyWweS5RXxI6KQGXB2ZOOezV7PfWFnqllJZ6laQXlrKMSQXEYkRx7qeDVS08NaFYaWdMstGsILEushto7ZFjLghgxXGCwKg565APatFUXVBY4DX7j/hVWq+fphu59P1TTpLa2tri5kuP+JghLwjdIxP7wO46/wCvQPDmmS6L4a0/Trm5ku57eBUmuJHLNLJj5mJPq2TVLW/Dc2u69pNxd3kI0zTbhbxbMW2ZJLhQwRjLvwFG4HaFzlfvY4q3dW+vvdO1lqemwwE/Ik2nSSMv1YTqD+QqW00gOU8eWt9e+PvBkOl6idNuS16VuRAsu0eSMja3Bz0rkvGlprej+KLiXUvEEmpTjwlqzwTLbJbtCQqcjZ3zg57Yr1y00+ZmiuNa+w3t7bsxt7iGzMRiVgAQNzuQTzkgjIwMcVLd6Tp1/KZL6wtbmQwvblpoVcmJ/vpkj7rYGR0OOacZ2sB54gtdb8YNY+KtSuLa0tNCtLixiW+e2EjP5nnTblZSzLtQZJ+XPvmsDw9Zr4nf4drqGo3l3DJa6u8kwuHSS5UTRhdzqQ2D8pwDzjHTivQvEXg+fWdRhmgn0k2sEASKz1PR1vI4JATiWP50KHGARkj5R076HhvwrY+HdE0yxVVu59OieOO7liXzMud0hB/hDNyQPQelVzpLQDK+HJkisdcsGnnmg0/Wrm2tvPlaVo4htZU3MSSBuIGSeKv6Z/wAe8/8A1+XP/o9627eztrTzfstvFB50hll8tAvmOerNjqTgcnnisTTP+Pef/r8uf/R71vhnebZMi5RRRXeSFFFFABRRRQAUUUUAZ2txTS6TP5Ny0AWNmcoPmYBTwD2+tWNOOdLtSeT5Kf8AoIqWeFbi3khckLIhQkdcEYohiWC3jhQkrGoUE9cAYoA8+1vxd4u8PeJtUGi6N9u0sTozyG2d/m8mPI3KeOgrU8OfGTR9VuEtNYgfSblvl3yNuiLem7gr+Ix712Ghf8fGrf8AX4P/AERFWb4t8AaN4tt2a5hFvfY+S8hUBwe27+8PY/hivDrxmqkmmfS4fGZZWpxo4qjy2SXPF6+rWz8zp0dZI1eNg6MMqynII9RS14hpGt698JtcTSPESvc6LKx8qRPmAGfvp6deV9/oT7TZ3lvf2cV3ZTJPBMoeORDkMDWcZ83qcmY5bPBNST56cvhktn/k/ImoooqzygooooAKKKKACiiigAooooAKKK4Hxh441I+IB4N8BW0d54ikjD3NxKf3GlxMBiST1bBBCd+DzwDUYuTshG94o8c+HvB8KHXNQSKeX/U2kYMk8x6YWNcsevXGK5yDx/4z1VhJofwyvzatyJNV1GKyfB6HyyGPT8q1PBvw40vwnPLqU8kmr+ILolrrWLwbppCRgheuxccbR2wCTgV19VeK2VwPPZPHvjLS5fM1/wCGl8lioJefStRivpB/2yAVj/n6V0Xhfxz4e8YwudB1FJposia1kUxzQkcENG2GGCcZ6Z710Fch4v8AhvpXim6i1S3ll0fX7YE22rWQCyoe2/8Avr7HsTgjNF4vdWA6+iuE8H+M9TGtjwh48gjtfESR77e4hGINSjA5kj9GAHzL25IwOB3dTKLi7MAoooqRhRRRQAUUUUAFFFFABRRRQAUUV5Xda/rPxW1G50jwVdyaV4Xt5DFe+IYj+8umH3orb0HPMn5dg1xjcR0XiH4oaDomoHSrIXOu6z0Gm6TF58qn/bI+VByM7jnHODVGHxl8QbtTLb/DLy4SMp9q12KKRh7oEO0+xNdN4W8I6J4M0hdO8O2EdpCMb2Ay8rD+J26sfr+GBW1TvFbIDzpvijqWh7n8feCdU0K2Df8AH9ayLqFvGvdpGjAZB0/hNdvo+t6Z4g01NQ0S+gvrST7ssDhhnGcH0PI4PNXiAQQRkHqDXnWu/Di40nVJvE3wynTSNZdg9xYMMWWoAdVdB90nn5lxznucg92XkB6LRXNeCvGlt4w0+f8A0aTT9UsZPJ1DTp/9Zayeh9QcEhu4rpahpp2YBRRRSGFFFFABRRRQAUUUUAFFFFABTZZY4IWlnkWONBlndsBR6kmqWu65p/hvQ7rV9ZuVtrK0TfLK3bnAAHckkADuSBXm9poWs/F5otV8ZRz6T4UDLJZaCr4kvV6rLcMOQDwQg/8ArtcY31ewjWu/i5Y3V49n4I0XUvFs8ZxJLp6BbaM+hnb5c8jpkdfSnf8ACWfEjyDJ/wAKyg3c/u/+Ejh3H/yHj9a7iysbXTbGKz062itbWFdsUMKBEQegA4FT0+aPRAef2vxbsLO7hsfHGkaj4SvJjsVr+PfayPn7qXCZU8c5O0V30Usc8KTQSLLFIoZHRsqwPIII6ior6wtNTspbPUbWG7tpV2yQzoHRx6EHg15jPoGs/CRzqPg4XGreFVy97ocjb5bQZyZLdjycZJKHPQ+o2loy20YHqtFUdE1qw8RaLa6to9wtzZXSb4pF7joR7EEEEdiKvVGwwooopAFFFFABRRRQAUUUUAFFFFABVHWNb0zw/p732t39vYWqdZZ5Aoz6DPU+wrF8c+OLXwZp9vi2k1DVdQk8jTdNhP7y6l449lGRlu2R3IFYOg/Di41bVovFPxNkj1bWcbrbTsBrTTATnYi9GYcZY55HfAatFFWvLYQi/FLVdbfPgXwLqut2pPy3t3IthBIMZyjSAkjp2Hf0ra8L3F7daEJ9VsV0+8kubkzWqzCYRN578bwAG+uK62ue0z/j3n/6/Ln/ANHvXXhWnJ2RMi5RRRXcSFFFFABRRRQAUUUUAFFFFACaF/x8at/1+D/0RFWtWToX/Hxq3/X4P/REVa1eRW/iM0WxmeIPD9h4l0iXTtUi8yJ+VYfejbsynsRXkvhfWdQ+F3ix/DniN86VcPuSfJKpnpIvoD/EO34c+21zHjzwdD4x8PtbDZHewkyW0xH3Wx90n0Pf8D2rlnFv3o7nvZVj6dNPB4vWjPf+6+kl6dTpwwZQykEEZBHeivLvhN4vmcyeEtcLJfWW5bfzDyyr96M+69vbPpXqNVGSkro4MwwNTAYiVCp02fddGgoooqjhCiiigAooooAKKKwvGXiyx8FeFbvWtR+ZYV2wwA4a4lPCRr15J9jgZPQGmk27IRh/EHxlfabPaeGPCCR3finVuII2Py2kPO64k9AuOAep9cYO34R8KW/hTSfs63NxqF9Nta91K7cvPdyAYDOxJOAAAozwAB7nE+G/hK+0uG78SeKsS+KNbIlvGOD9lj/gt0PZVGM46kd8A13NXJpLlQBRRRWYwooooAwvFnheHxTpP2f7VPp97CS9nqNqxWa1kII3KwIOCCQRkZBINYXw88YX+oyXfhfxeqweKNI+WfAwt5Fn5biMdwRjPofTOB3VcL8SfCV5qcdp4n8LgJ4o0PMtm2P+PlMHfbt6hgTj3PbJrSLTXKxHdUVh+DvFVn4y8L2us2IaMSjbNA/3oJRw8bD1B/oa3Khpp2YBRRRSGFFFFABRRRQAUUVwnxJ8U39ill4W8KMreJteYxWx3f8AHpCB+8uG9Aozj1PTO0iqjFydkIzdc1rUviB4yfwl4Sv57HSNNkVtc1mylKSrICSLWJxjDcfMwzjoehDeh6Zpllo2mW+naXbR2tnbII4oYxhUUf5696zvCHhWw8GeGLXRdLGY4RmSZh888h+9Ix7kn8hgdAK26cpLZbAFFFFQMKKKKAOG8feGdYP/ABU/ga5a18QWahntgSItUjTP7mVQQGOGbaTyCcAjORt+DfF1j418Nw6tp4aIkmO4tpD+8tpR96Nh2IP6YNb1eWeLLWT4aeMj470iFm0XUnSHxFaxrnZyQt0B6gnDfX3JrWPvLl69BHqdFMhmjubeOe3kWSKVQ6OpyGUjIIPpin1mMKKKKQBRRRQAUUUUAFQ3l5b6fZTXl9MlvbW8ZkllkbaqKBkknsAKmry3xVLL8TfG7eCNOlZfD+ksk3iG5if/AFz5yloD+GWI6YxwVwbjG7EL4fjvfirrreI9YE9v4QtnKaTphZlTUtr5+0zofvLuUFFYcYz2y3qNMhhitreOC3jSKGJQkccahVRQMAADoAO1PolK7AKKKKgYUUUUAeXeJE1H4W68niXSWnufCNxIU1bSlyVsCxJ+0Qr0UbmJcDAOc98r6ZaXUF9Zw3dnMk9vOgkiljOVdSMgg+mKW4giuraW3uY1lhlQpJG4yrqRggjuCK8x8KSS/DLxsPA98zN4e1Rnm0C5c58lySz2rE+5yvrnuTxr8a80I9SooorIYUUUUAFFFFABRRRQAVg+M/F9h4K8NzarqJ3t/q7a2U/PdTEfJEgAJyT7HAye1bc00VtbyT3EiRQxKXkkkYKqKBkkk9AB3rzDwjby/Evxl/wnmqRsNC093h8O2kg4kwcPdsp6EkYUEZGPYE3FJ6vYRteBfDGq+a3inxxK8/iG83NHatIWh0qNsDyoVyQpIVdzDqR35J7iiilKTbuAVz2mf8e8/wD1+XP/AKPeuhrntM/495/+vy5/9HvXXhPiYpFyiiivQICiiigAooooAKKKKACiiigBNC/4+NW/6/B/6IirWrJ0L/j41b/r8H/oiKtavIrfxGaLYKKKKxGeS/Fvw1Pp95b+MtCzFcW8im5ZByCCNkn9D+FegeEfEkHivw3b6nAArN8k0Y/5ZyDqP6j2IrVuraG8tJba5jWSGZCkiMMhlIwRXi/h65l+F/xNn0W/kP8AZF+RsdiMAE/u3/DlT+J9KxfuSv0Z9TQ/4VsveHf8Wirx849Y/Lp93c9tooorY+WCiiigAooooAK8t0lT8UPiV/wkEnz+F/C87QabGwG28vRjfPjuqcBT68gj5hWp8Utbv/sdj4P8NS7Nd8SO1ukg/wCXW3A/fTHuMLkDvnpyK67QNDsfDXh+z0bSYvKs7OIRxr3PqSe5JySe5JrVe7G/ViNCiiishhRRRQAUUUUAFFFFAHl+rBvhn8Shr8YCeF/EsqQakiKFWyu8YSfA6K+MMfXkkkgV6hWfr+h2PiXQbzR9Wi820vIjHIB1Ge4PYjqD6iuR+F2u3xt77wf4lmV9d8OusDSHg3VsQPKmA91wD15AycmtX70b9UI76iiishhRRRQAUUUUAZ+va3ZeG9AvNY1WTy7SziMsrAZJA7AdyTgAepFcb8MdCv7ma+8d+J49uteIFVoYWwfsNn1ihHoSMM3TJxkZBql4hH/Cx/idB4VT954e8Osl5rGD8txcEEw259QPvMOnGDggV6fWr92NurEFFFFZDCiiigAooooAKjuLaC8tZLa7hjnglUpJFKgZXU8EEHgg+lSUUwPNPh9Pc+CvElx8OdZleWCNWutAunOfPtcnMJP9+M/pzgDGfS6474k+FrrX9Biv9CPleIdHlF5pkwA/1i9Yz6q65Ujp09MVp+CvFVr4z8I2Ot2gCGdMTw5yYJRw8Z9wc9eowe9XL3lzCN6iiisxhRRRQAUUU2SRIYnlmdY40UszscBQOpJ7CgDkviP4tuPDOgw2uix+f4g1iYWWlQYBzK3G8542oDuJPHTPBzVzwH4Qg8E+ErfSYpPtFxkzXl033rmduXkJ6nJ4GecADtXK+AYpPHPjC9+ImoI32JN1j4eicY2QAkST4/vOcjPXAI5GK9NrSXurl+8QUUUVmMKKKKACiiigArnvHPhOHxn4TutKeQW9ycS2d2Fy1tOp3I6nqORg4wSCR3roaKabTuhHI/DnxXc+JNBltdbi+za/pEv2PVLfjiVeA4x/C4G4Hp1xkcnrq8z8fRyeBvFll8QtOQiybZY+IIlGQ8DMAk2P7yMfxBA45z6VFLHPCk0EiyxSKGR0bKsDyCCOoq5JfEuoDqKKKzGFFFFABRRWF4z8U2vg3wjfa3eDf9nTEUI6zSnhEHuSR+GT2ppNuyEcf8Qrm48beJrf4baNM8MMiLd6/dRnHk2oIxCD/fkOPw9QTXpFpawWFlBaWcKQW9vGsUUUYwqIowFA7AAYrkvhp4VuvD/h+W/14+b4i1qU3uqTf9NGyVjHoqKdoA4Bzjg12VXNr4V0AKKKKzGFc9pn/HvP/wBflz/6PeuhrntM/wCPef8A6/Ln/wBHvXbhPiZMi5RRRXoEBRRRQAUUUUAFFFFABRRRQAmhf8fGrf8AX4P/AERFWtWToX/Hxq3/AF+D/wBERVrV5Fb+IzRbBRRRWIwrhvit4T/4SPwq1zapuvtPzLFgcumPnT8hke4967milKKkrM6sHiqmDxEa9PeL/pfPY4j4WeLf+El8LrBdPuv9PCxTEtkuv8L/AIgYPuPeu3rxHVo5Phd8Vo9St1YaPqRJZFxgIx+dcf7LYYe2B617ZHIk0SSxMHjdQyspyGB6EVFOTas90ennWFp06scVh/4dVcy8n1XyY6iiitDwgqO5uYLO1lubuaOC3hQySyysFSNQMlmJ4AAGSTUleZ/EmWXxh4k0v4cafI6Q3eL7W5o+sVmjcR57F2AHtx1Bqox5nYRJ8MbGfxHqWofEfWYmW51j9zpcMhybSwU/IB6Fzlj+BHU16RTIYY7a3jgt41jiiUIiKMBVAwAB6Yp9EpczuAUUUVIwooooAKKKKACiiigArzf4nWV14e1LT/iLoqSNPo6+TqkEf/L1Ys3zgjuUyXHYcntXpFMmhjubeSC4jWSKVSjowyGUjBBHpiqjLldxEdje2+pafb31jKs1tcxrLFIvR1YZB/I1PXmPw1nm8I+J9V+HOouzRWeb3RZXP+stHPMfuUY49TkngCvTqco8rsAUUUVAwrm/H/in/hD/AAbd6lCizXzFbewtiwDT3Eh2oij+I5O4gc4VvSukrzDS1/4WJ8XZ9acs+g+Ena0sFx8txeniWX3CDAHvgjvVwSvd7IR0/wAPPCP/AAh3hOKzuZPtOqXLtd6ndsdzXFy/LsT3weB7Adya6iiipbbd2AUUUUhhRRRQAUUUUAFFFFABXmC7vhx8WtpZl8N+MJiVByUtdRxn8BKM/Uj0Fen1z/jnwrD4z8H3ujyt5csiiS2nxzDMvKOPoR+IyO9XBpOz2YjoKK4/4Y+K5/FPg9Dqq+VrOmyNY6nEeqzpwW+jDDenJHauwpNNOzAKKKKkYV518Ubq61y60v4faNcGG514s+oTRON9tYJjzGI6jf8AcGeD8w9a7rVtUtNE0e71TUZPKtbOFppX9FUZOPU+1cP8KtJu7yPUfHWvRsmq+JHEscTj/j1tF4hiH/AcMT3yueRWkNPeEd3p9ha6VptvYadAtva20axQxJ0RVGAKsUUVAwooopAFFFFABRRRQAUUUUAV9QsLbVNNubC/iWa1uomhmjboyMMEfka4D4YX93oOoaj8PNduJJrvRQJdOnlyTc2LfcOe5Q/IenQADg16PXnXxY0u8sYNP8c6BFv1Xw5IZJIl63No3+tiJ+nI645x1rSGvuvqI9FoqppOqWmt6Paapp0nm2t5Cs0T+qsMjPofardQMKKKKQBXmU8X/CxPi95EhWXw74OkDMquGjudRZcgHHB8oE5HUNkHqRW/8S/FVx4W8Jt/ZKGbWtSlWx0uFQCWnfgHHooy3pwB3q94G8JweCvB9losD+dJEpe5uD1nmbl3Pfkk4z0GB2rSPux5hHQUUUVmMKKKKACue0z/AI95/wDr8uf/AEe9dDXPaZ/x7z/9flz/AOj3rtwnxMmRcooor0CAooooAKKKKACiiigAooooATQv+PjVv+vwf+iIq1qydC/4+NW/6/B/6IirWryK38Rmi2CiiisRhRRRQBzHxA8Lr4q8J3FrGubuEedan/bA6fiOPxrnfg34oOp6DJot6/8ApmnfcDfeaInj/vk8fitek14r40tp/h78TbXxRp8ZNlfOWljXIG4/6xT25zuHvnjisp+61M+nyprHYWplk/i+KH+Jbr5r9T2qiorW5hvbSK5tXEkMyB43H8SkZBqWtT5hpp2Zn6/rll4b8P3us6pJ5dpZRGWQ9zjoB7k4A9zXIfCbSLw6Nd+LfEEQXW/E032ybJJMMGP3MIz0Cr+PPPSqHjZf+E9+ImneBYxv0nTdmp66QeGA5htz/vH5iPTBHSvTq0fuxt3EFFFFZjCiiigAooooAKKKKACiiigAooooA4D4s6NdnRrTxZoKf8TrwzN9si25zNBjE0JweQy8477cdzXX6Brdp4j8P2Wsaa4e2vIhKhBzjPUH3ByD7itCvMfBQbwH8RNR8DTDZpWpb9T0M9AvP76Af7p+YDsM+taL3o27CPTqKKKzGcT8U/FN14f8MJY6Gd2v63MLDTEB5Ej8GT2CA5z0B25rd8I+GrXwh4T0/Q7FRstIgrv3lkPLufdmJP41xXg9f+E9+JWoeOJhu0rSd+maFzlZDkie4H1+6D3BI7V6dWkvdXKIKKKKzGFFFFABRRRQAUUUUAFFFFABRRRQB5f4ob/hX3xUsPFceItF8Q7NO1cZIWOcZ8mc846ZUnHAHq1eoVleKPD1p4r8Lahoeorut72Exk4ztPVWHuGAI9xXOfCvxBe6j4euNE18/wDE98PTfYL4HrIAP3cv0dcHPcgmtH70b9hHcUUVl+JdftPC3hm/1vUWxb2MJlYZwXP8Kj3JIA9zUJXdhnCePZz428eaV8PLT57CIrqWv4JAMCEGOAkf32wSOuNpHevTlVUUKgCqowABgAVw3wq8PXmnaFda/r6Y17xHP9uvc9YlP+qhHsinp2LEV3VXNr4V0EFFFFZjCiiigAooooAKKKKACiiigApGVXUq4DKwwQRkEUtFAHmHgKQ+CPHmq/D65bbYSltS0HcxwIXJLwLkn7jZ49Mk9a9Prhfir4fvdR0G117w+ude8OzfbrLjJkAH7yL1IdRgjvgV03hrX7TxT4ZsNb05s299CJVGclD/ABKfcEEH3FaS95cwjUoorh/ip4gvdN8OwaJoHza94hl+wWIBwY8j95L7BF5z2JFTFczsBj+F5P8AhYXxUv8AxU4Euh+Ht+naPknbJcHHnzgd+PkB6EY7ivUKyvC/h2z8J+FtP0LTBi2sYRGrEYLnqzn3ZiWPuTWrTm03psAUUUVAwooooAK57TP+Pef/AK/Ln/0e9dDXPaZ/x7z/APX5c/8Ao967cJ8TJkXKKKK9AgKKKKACiiigAooqpDqdncXJt4bhWk5wBnnHXB6HHtQBboqG6u4LKAzXUgjjBA3H1JwKbaX1vfRs9rJ5iqcE4I5/GgCfQv8Aj41b/r8H/oiKtasnQv8Aj41b/r8H/oiKtavIrfxGaLYKKKKxGFFFFABWF4y8NxeKvDFzp0gAlK77dz/BIB8p+nY+xNbtFDV1ZmtGtOhUjVpuzTujy34NeI5Xtrvwvqe5LuwZmhRxghM4ZPqrf+he1dz4u8T2Xg7wnf67qXMNnEWCA4MrnhUHuzED8c15d8TrWTwN4507xlpilY7mYLKiKTmUKdwwOcOgb8mPerM3iGx+LfxP0fRNOlL6Boca6veLJEVNxcrgRxcjonmKWHIOSPQ0qEX8Mun5Ht53ClVlDHUPhqq7XaX2l+vmdV8K/DV5ovhmXU9d+bXtemOo6ixGCjvysWOwQHGOxziu3ooq5Nydz54KKKKkYUUUUAFFFFABRRRQAUUUUAFFFFABXEfFPw3d6z4Yj1PQhjXtBmGoacwGSzJy0fTkMoIx3O3NdvRVRfK7iMbwl4ms/GHhWx13Tj+5u49xTdkxsOGQn1BBFcz8WNeuoNHtPCmgvjXfE8psrYjrBEf9dMfZUJ9wTkdKzdGkX4bfFK90K6dLfw94laTUNOdyFS3ulAM8eT0DDDDJwMYA5NS/DuOXxn4u1T4i36YtZFbTdBjZcbbVHO6X6u2eeoAI6EVryqL5ugHd+HtDtPDPhyx0bTV221lCsSerY6sfcnJPua0aKKx3GFFFFIAooooAKKKKACiiigAooooAKKKKACvMPHmfAnj3TPiBACNOuQuma8q9PLY/uZjx/C2AT6bR3Nen1R1rSLTX9DvNJ1KPzbW8haGVfYjH4HvmrjKz1EXVZXUMhDKwyCDkEV5f4pYfEL4pWHg6E79H8Psmp60Ryssv/LC3P5liOQR7rVHw/wDECTwP4B1zRvFLiXWvCQW2gQ4BvomGLUqB1yCqnGSMZJya674ZeF7rw54WafWiJNd1ed9Q1STAH76TnYMdAowuBxkEjrV25Lv7g3OxooorEYUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAV5f4WYfD74o3/g+X93o+vM2paKSQFjl/5bwDj1wwHYY7k16hXHfE3wtdeJPC6zaKfL13SZ1v8AS5cA7ZkOduDwQw4wcjpxxWkGr2fUR2DMqKWchVUZJJwAK8w8Bf8AFeePtT+IUwJ022DaXoKsODEp/ezj3dsgHrjIPSqHiL4gS+OPAeh6N4TdYdZ8XbrWZD8xsIlBFyzDqNvIGcE5yOcV6lo2kWmgaHZ6Tpsfl2llCsMS99qjGSe5PUnueadnCOu7Au0UUVkMKKKKACiiigArntM/495/+vy5/wDR710Nc9pn/HvP/wBflz/6Peu3CfEyZFyiiivQICiiigAooooAZKGMLiP7+07frXO27I2j+HEhI80SR8DqMRt5n9c10tV47G0huXuIraFJn+9IsYDN9TQBT1VYrtLJRffZ91yDG6qH3sA3yg9Ae/PcU7S7idrq9tZ5vtItpFVZioBOVBKnGBke3rVtrK1a1Ns1tCYD/wAsig29c9OnXmnQW8NrCIraJIox0RFCgfgKAItItZZdS1KVL64hRbxcwosZV8QxHnKluenBFb9ZOhf8fGrf9fg/9ERVrV5Fb+IzRbBRRRWIwooooAKKKKAPM/jvdW9n4Hs5bm1lu2+3GOCKJSzNO9tOsXT/AG2WuD+AVxLpXi0aDqUElvdLbXUkhnt3ikad2gLIdwGcLESPoa7mwc/Eb4uS37Df4d8ISGG0IPy3OoEDe/uIxwPQkEHkiqXxd0CfS9QtPGWjfup4ZEW4ZRyGH3HP/oJ/4DVVH7OKtv1PcyiMMXJ4Gq7Kd+VvpLT87Wb+XU9corK8M6/b+JvDtrqlqQBMn7xAc+W4+8p+h/TB71q1Kd1dHjVac6U3TmrNOzCiiiggKKKKACiiigAooooAKKKKACiiigAooqrqmp2mjaTdalqMqw2tpE0ssjfwqoyaYHlXx6t5fFVppHgfRbSO71u/la8jZyQLWKJG3OSOm7OwZ4PI64rsvhfrdlrvw60uSwt1szaRCzuLMDBtpYhtZCO3TPPYisf4V6fear/aHj7X4Gh1LxAwNrC3/LrYr/qUHufvE98qcA5qrfEfDj4sxX6ho/Dvi11gusY2W1+OEfHYOOD75J7Vu9V7Pt/TJ8z0+iiiucoKKKKACiiigAooooAKKKKACiiigAooooAKKK5L4keLpvCPhN5dMi+0azfSLZ6XbDky3D8Lx3A6n6Y71STbshHkvxKuhqPxcHimw0aO/wBJ8Evbpq8wyTKxcsQo6MYgcn0Oc8Yr6CtbmC9s4bq0lWaCeNZIpEOVdWGQQfQg1zvg3wXaeGvAkOg3SrePNGz6hJL832maTmVj6gkkDPYCuc+G13N4W1/UvhxqkkjDT83WizSkEz2TNwue7ITg/oMCtZNSVl0A9KooorAYUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVHc3ENpay3N1IsUMKGSSRjgIoGST7AVJXmnxKu5/FPiDTPhxpTsBqOLrWpomw1vYowyuexc/KD+mDVRjzOwjgvhpdrpvxaPivUNHjsNJ8bSTxaRMcgxMJMhWB+6ZcEj1JGODX0RXMeM/Bdp4n8DTaFbKtpJDGradLH8v2WaMZiYHsAQAcdsiovhx4tk8W+FVk1GMwaxYSGz1O3YAGO4ThjgcYbhhjjnHatJvnXMgOsooorEYUUUUAFFFFAEN1BJcRBIrqa1YNnfCEJPt8ysMfh2rC0hSlnKjO0jLd3ILtjLfvn5OABn6AV0dc9pn/HvP/wBflz/6Peu3CbsmRcooor0CAooooAKKKKACiiigAooooATQv+PjVv8Ar8H/AKIirWrJ0L/j41b/AK/B/wCiIq1q8it/EZotgooorEYUUUUAFcT8T/Et9o+hW+keHWU+I9el+xaaucFCfvzewRTnPYkV2F5d2+n2M95eyrBbW8bSzSucKiKMsx9gATXnfw7s5/F3iO8+JGsW5iF3GbTQ4JBzBZhj+8IPRpDzn0PBwa0gvtPoI7Hwj4ZtPB3hSx0LTyXitI9rSMMNK5OWc+5Yk/jWjqFhb6pp1xY3ib4LiMxyL6gjFWKKh67lRk4tSjo0eK+Br+4+H/xCu/Curufsd3IFhkfgbv8Alm49mBwffHpXtVeffFrwede0D+1LCPN/pyl8KPmlj6sPcjGR+PrV/wCGfjEeK/DardSA6jZ4juBnlx/C/wCOOfcGsYe6+R/I+mzSKzDCxzOmve0jUXn0l6M7KiiitT5gKKKKACiiigAooooAKKKKACiiigArzHxyZPH3jmz8AWcuNLs9l/4hdD/ACGht/q5wxHpg9sHq/Hfi6HwX4Un1NovtF07C3sbUctc3D8JGAOTk8nHOAaq/DnwjL4U8OO2qMs2uanM17qlwDnfO/JUH+6vQDp1PetI+6ub7hHWKqooVAFVRgADAArH8XeGrTxh4Tv8AQ7/iO7iKrIBzE45Rx7qwB/CtmioTad0BxPwy8S3uraLc6N4i+TxDoMv2PUFJJMmB+7mBPUOuDnuc+1dtXm3xCs5/CXiKz+I2jxO62q/Ztct4xk3Fmf8Alpju0Zwfp7DB9EtLqC+soLuzlWa3uI1likU8OrDII9iDVzS+JdQJaKKKzGFFFFABRRRQAUUUUAFFFFABRRRQAV5h4VDfET4kXPjSV/M0HRS9joSjlZpOk1z/AOyqe49CObnxO1e81Gaz8AeHJNura8jfaZh/y52QyJJT6E8qvqc98V22jaRZaBolnpOlwiGzs4VhiQdlAxknuT1J7kk1ovdjfqxF2uE+KHh6/vdOsvEvhpM+IPDspurVRnNxHj97AcdQy9vUY713dFTGXK7gZfhnxDY+K/DVjrelvutryISKD1Q91PuDkH6VqV5hpw/4Vp8TW0k5Twz4pm8yx4+Wzvj96L2WQDI9+PUn0+nJWemwBRRRUDCiiigAooooAKKKKACiiigAooooAzPEmv2Phbw3fa3qsnl2tlEZHOeWPRVHuSQB7kVy3wt8PahaabeeJ/Eoz4g8RyC6ul/594sfuoR7KpH4nHOM1l6j/wAXN+JyaUqiXwz4TuBLesfu3d+M7YvQrH1YevB6ivUK0fuxt1YgrzDxUr/D34jW/jSAFdD1kx2OuqucRP8AdhuSPYkKT6e5r0+qWs6RZa/ot3pWqQia0u4jFKh7g+noR1B7EUoys9QLoIIBByD0Iorz74Zate6fLe+A/EUrS6roSj7NO4wbyyJxFL9Rwp9Djrya9BpSjyuwBRRRUjCiiigArntM/wCPef8A6/Ln/wBHvXQ1z2mf8e8//X5c/wDo967cJ8TJkXKKKK9AgKKKKACiiigAooooAKKKKAE0L/j41b/r8H/oiKtasnQv+PjVv+vwf+iIq1q8it/EZotgooorEYUUVyHxE8YT+GdJgs9Eh+2eI9Xk+y6VaDBLSEcyMCRhEHJPQcZwDmqSbdkIwfGN7c+O/G8XgDRbiSLTLRRceJbiFmQmJh8tqGHeQE7sfw9+GFelQwx21vHBbxrHFEoREUYCqBgAD0xXN/D/AMGx+CfDC2LTtd6hcyNdaheMctcXD8u2fTsPYc85rp6cmtlsAUUUVAwIyMHkV4l4lsrn4X/ESDX9LjP9k3zkSRrkKATl4/8A2Zf/AK1e21meItCtfEmg3OmXy5jmX5WHVG/hYe4NROPMtNz18px6wdZqqr05q0l5P9V0Len39tqmnQX1jKJbe4QPG47g/wBfarFeM/D/AMQXfgfxPN4O8TN5Vu0pFvK/3UY9CD/cf+Z7c17NThLmRnmmXywNfkTvB6xfdPb/AIIUUUVR5gUUUUAFFFFABRRRQAUjMqKWchVUZJJwAKWvMviBf3njXxAvw48NzPEkiLN4gvoyMWtqf+WQP/PR/THQ+mcVGPMxDPC8s3xM8cy+LJ3dvC2jymHQ7c7lS5nXKvdle+Msq56ZPAIOfUKrabp1rpGl22nadCsNraxLDDGvRVUYA/SrNOUrvQAoooqBkdxBFdW0tvcxrLDKhSSNxlXUjBBHcEV5l4Jnk+HnjKb4fapMx0u73XXhy4lYnKZy9sSf4lJyPUfUCvUa5jx/4Oj8aeGmtEmNpqNtILnT7xOGt51+6wPp2P19hWkWtnsxHT0Vx/w88ZSeJ9MuLHWYvsniLSJDbapaH+GQHAkXsUYDII4/DBPYVLTTswCiiipGFFFFABRRRQAUUUUAFZPinxLp/hDwze65q8my2tI9xA+87HhUHuSQB9eeK1iQASTgDqTXlNgj/Frx9FrMm4+DvDlyf7PU426jeKcGbvujT+E9z/wIC4xT1ewjc+Gug6qlrceKvF5ZvEOtYd42JxY22S0dsgP3QuSSOuSc5IzXdUUUpPmdwCiiipGYPjTwnZ+NfCt1o18TH5gDwTr963mXlJF9wfzGR3rG+Gniu71nTLnQ/EZWPxNoUn2bUYs/6zH3Jl9VcYOfXPqK7evOviNoGo6dqVt4/wDCURk1fSYit5aKcf2haDJaM+rDkrwT6c4rSOq5WI9ForM8O+INO8U+H7XWdGm860uk3oSMFfVWHYg8EVp1D00AKKKKQwooooAKKKKACiiigAriPiZ4svNE0y10Tw1tk8T67IbXTYyM+V/fmb0CKc5PfHBANdL4h1/T/C/h681nWJvKtLOMyOeMt6KucZYnAA7kiuM+HHh7Ur7VLzx/4uiaLWdXjEdpaP8A8uFnnKR47MeGb+h3CtIpL3mI6vwl4ag8J+G7fTIJXuJRmW5upWLSXU7HMkrkkklmJPJ9u1bVFFQ227sAooopDOB+Jvhm/uI7Pxd4VT/io9AJliQZH2uD/lpA2OuRkj34HXNdR4W8S6f4v8NWet6PL5ltdRhsZ+aNv4kb0IOQa1q8pvw3wj8dPq6bh4O8Q3IW+RRldOu2ziUDsjng9h/3yK1XvLl6iPVqKRWV1DIQysMgg5BFLWQwooooAK57TP8Aj3n/AOvy5/8AR710Nc9pn/HvP/1+XP8A6Peu3CfEyZFyiiivQICiiigAooooAKKKKACiiigBNC/4+NW/6/B/6IirWrJ0L/j41b/r8H/oiKtavIrfxGaLYKKKqarqtjomlXGpatcx2lnbIXlmkOAo/qewA5J4FZDKnijxNpnhDw7da1rc/k2tuueOWkY/dRR3JPH/ANbJrkvh94c1HUtUl8feNLcJreoRhbGzZiy6Xa44RQejsOWPXnGBlgaXh/SdS+JHia38Y+KbdrbQLM79B0eZeXPa6mXpuP8ACOwweOreoVo/cVluIKKKKyGFFFFABRRRQBxPxK8CjxZpIuLBQuq2gJhbOPNXuhP8vQ/U1nfC7x6dZtxoOtsY9VtFKIZOGmVeuc/xjHPc4z616PXl/wAS/AlwZ/8AhK/C++LUrYiWaOEfNJj+Nf8AaHcdx+uUk4vnifSZdiaWMof2bi3ZfYl/K+z/ALr/AK8vUKK4n4e/EG38XWK214Uh1WJf3kY4Eo/vL/UV21aRkpK6PExWFrYOs6NZWkv6+4KKKKZzBRRRQAUUVzvjTxlZ+DtISeaN7u/un8mw0+HmW7lPRVHpyMnoPqQC0m3ZCM74h+N5fDFraaXoUCX/AIm1d/J0yyJ4J7yP6Io5OcZx6ZIueA/BcHgvQTA8zXuq3b+fqWoyEmS7mPJYk84GcAdh7kk5vgHwZqGnXV14n8ZzR3ninUwPNZBmOxi6rbxdcKO5HU+uMnuauTSXKgCiiisxhRRRQAUUUUAee/EDw3qVjq1v488Gx79a06Mpe2a/8xO14JiP+0MZXjOfU4rrPC/ibTfF/hy01rRZvNtrlM4P3o27ow7MDwf8K1q8u8RaXefDLxBdeMvC1m91o164fXdJhHKnnNzEOzD+Id8np1Gq99cr3Eeo0VT0jV7DXtIttU0e6ju7K6TfDNGeGH9CDkEHkEEHkVcrMYUUUUgCiiigAoorg/HXi7UjqC+DvAuybxNeR7pJiMx6ZCcZmkPY4Pyr1JwcHIBqMXJ2EZnjXWbzxv4lf4deFLloYwofxBqULEG0hJH7lD0Mj9O+ATkH5seiaTpVjoek22maRbJa2VrGI4YYxwoH6k9yTyTknmsvwZ4QsfBfh6PTbFmnlZjLd3kv+su5m5aRzySSfUnAwK36cpLZbAFFFFQMKKKKACiiigDynUVf4P8Ai6XWYA3/AAhWt3K/b4UGRply2F88D+4xA3eh/wCAivVI5EmiSWF1kjdQyupyGB6EHuKivrG21Kwnsr+BLi1uIzHLFIMq6kYIIrzDSdQn+EGtW/hvXZWk8IXkhXStUlOfsDknFvM393+656Z54yRr8a8xHq1FFFZDCiiigAooooAKbJIkMTyzOscaKWZ2OAoHUk9hTq8q1u8vfi3rUnh3w9ctb+ELOXZrGqREj7cw620LDqv95hx744a4xuIZpwPxk8Wpq1zHu8EaJORYwvkLqtyODK6nrGh+6COTnOfmUesVDZWVtp1jDZ2EEdvbQII4oYlCqigYAAHQVNRKV9tgCiiioGFFFFABVXVNMs9a0u403VLdbmzuozHNE/R1PbirVFMDzHwTqt74G8RRfDvxVctPG0ZbQNSlOBdQrx5DH/nogwMdxj/Zz6dWB4z8H6f428PPpupBkdWEtrcx8SW0o+66nsR+oyKwfBHjO+/tiXwZ4222/iOzUmCfG2PVIR0mj/2sDLL1HJ7ELo/eXMt+ojvaKKKyGFc9pn/HvP8A9flz/wCj3roa57TP+Pef/r8uf/R7124T4mTIuUUUV6BAUUUUAFFFFABRRRQAUUUUAJoX/Hxq3/X4P/REVa1ZOhf8fGrf9fg/9ERVheLfiVp3h3UU0TTLebXPEk6n7PpNly+cZBkbpGvck845xivJqpyqtI0Wx0HiHxFpXhbRZtV168js7OEfM7nlj2VR1Zj2A5rg9D0vVviZrEHiTxhZGx8OW5ZtL8P3Uav9oyCouLhSCM4YlV7HnPGWs6D8PdR1fXIvFHxNuYtR1OIh7LTISfsenc5G1f43H945/HAI9GqbqOi3AKKKKyGFFFFABRRRQAUUUUAFFFFAHlHjz4c3VtqB8TeC90V5G3mzW0RwSepdPf1Xv254O34B+Jln4nhSw1NltNXQAFW+VZz0ynv6r78Z7d5Xnnjr4XW2vO2qaCRZasp3kKdqTHrk/wB1s/xf/rrJxcXzR+4+mw+Pw+PorCZi7NfDPqvKXdfl+J6HRXkHhn4oah4evf7C+IEE8ckR2i7dcug6fMB98cfeGc+/WvV7G/tNTs47vT7iO5t5BlZImDA/59KuM1LY8vH5ZiMBL94rxe0lrF+jLFFBIAJJwB1JrzjVfiTd6/qU/h/4WWqavqMTBLrVJeLGxznkv/y0bjhVznnrgitIxctjzDd8b+PrDwbbRQiJ9S1q9+TT9JtuZrlzwOP4Uz1Y9MHGTxVLwV4P1CC+m8T+N5Yb7xJeYKKEVo9LjAYCGFjkjh23EHDe+MmbwV8PLTwtPNquo3cus+I7wH7Xq1199s/wIOiIMcKP5AAdjVNpK0QCiiisxhRRRQAUUUUAFFFFABRRRQB5fq+ka18N/Et94o8MLPqXh7UJmutZ0ZcvJFITl7iDPfuV4zjH93b3vh7xDpfinRINW0O6S6tJx8rqeVI6qR2I7itOvO9f+H1/pOtTeJ/hlPBpmrSndeafMD9k1Hn+NQRsfk/MOpJ6Ek1rdT0e4j0SiuP8KfEjS/EN02l6hFLoWvw7Vl0rUcRys2Dkxc/vUyrYZewyQMiuwqGmnZgFFVdT1Sx0bTZtQ1a7is7SBd0k0zBVUfX+nevNZvEPiX4qqbXwR5+geGHys2vzoUnulzgrbJ1A/wBs479CMFxi3r0A0vFvjy9utbPg/wCHsaX/AIgfi6uic2+lJ0LyN3f0Tr+gPR+D/CNp4Q0cW0T/AGy/m+e+1KWNRPeylmYvIw5PLMACTgYGT1qXwr4S0fwZoq6ZoNr5MWd8sjHdJO+OXdv4mOP8MDitqnKStaOwBRRRWYwooooAKKKKACiiigAqtqOn22raXdadfx+ba3kLwTJkjcjqVYZHIyCas0UwPKNN1bUvg/cR6N4tuZtQ8Iswi0zWGXc9lz8sM/8As4yFbtjGMYC+qxyJNEksLrJG6hldTkMD0IPcVHeWdtqFnNaX0EdzbToUlhlQMrqeoIPBFeZtoGv/AArumu/B0U2s+Eixe50LJkuLNe7WxJ+bkk7D/M5Gmk/UR6lRWH4X8Y6J4w08XOiXqSuo/fWrsFntjkgrJHnKHII5644yK3KzaadmAU2WWOCF5p5FiijUs7u2FUDkkk9BWF4t8baF4I0wXviC8EO87YYEG+Wdv7qIOSffoM8kVxf/AAjviX4p3SXPjSObQPCyPvh0FJCtxeAdDcsPuj/YHI9iAapRurvYBl7rOpfF7UJ9F8KTz6f4QhYx6jrifK992aC3z/Cehfp14xgN6dYafZaVYx2Wl2kFlaxZ8uC3iEaJk5OFUADkk/jTrKyttOsYbOwgjt7aBBHFDEoVUUDAAA6CpqJSvotgCiiioGFFFFABRRRQAUUUUAFc7448HweNfDwsJLqexureZbqyvLdir21wgOyQYPOMnj37HBHRUU02ndCPP/Cfjq9ttXi8IfEJUtPEeD9nulXbb6mg6PGeMP1yuByOOuB6BWN4o8J6N4y0ZtM8Q2S3UBO5Dna8T9nRhyp9x9DkHFcNB4g8R/C1vsfjY3OveGxhbbXbaEvNbDji6XP3QM/OM9PfA0sp7bgepVz2mf8AHvP/ANflz/6PetjT9SsdXskvNKvbe+tXztntpVkRsdcMpINY+mf8e8//AF+XP/o966MJ8TFIuUUUV6BAUUUUAFFFFABRRRQAUVTvL5reeG3ghM9xMGZU3bQFXGST+IH40+xvFvrXzVRo2DMjo3VGU4I/MUAcndaF4x8SeItYsrLxBH4f8Oi4TfLYJm+uGMEW5Q54iX0ZfmyPQ8dZ4W8FaD4Ns3g0GxWF5TunuXJea4buzyHljnJx0GTgCrGhf8fGrf8AX4P/AERFWtXlV5PnaLWwUUUVzlBRRRQAUVQk17R4ZXim1WxjkRirI1ygKkdQRng1E/ifQY8eZrenLnpuu4xn9admI1KKx38XeG4xl/EOlKPU3sY/9mqGTx14Ri/1vinRU4z82oxDj/vqnyvsBvUVzn/CxfBP/Q46B/4NIf8A4qqF58XfAFjIyTeLNNYqMnyZvNH4FMg/hT5ZdgOyorz0/Hb4dlmS3157mQDiOCwuHLH0GI8Z49aB8X7SdY303wb4y1CKT7stvozbD2PzMyjqMU/Zz7Bc9CorzoeNfiHqCH+yfho1urcLNqerRR7T3zGAWI/Gm/2F8Vdc41fxVpHh6BvvR6LZNNIR6b5funk8joQMdTRyd2gOr8VaFoGs6Ux8TRwLbwjIuJZBH5Occh8jHb2NeBLqd74f8UTWvwh1S68T7cvLFZQs0aAf89Gx5begYfkK9bh+Dnhua+F54kudV8UTqxMZ1u9M6x5OcKgCpjk8YxzXdW9vDa20VvaxJDBCgSOKNQqooGAoA4AA4xUOFO9939x6mFzXFYWm6MJXg/stJr7nofOI8W3/AIt1l7X4t399YaYmFbR9IRoInPcTnPmMD3UHqOMV7n4Uv/CzaXDY+EZrBLWJfktrXCFR6lODn1JGTVvWfDWj+IYTHrGnwXPGA7Lh1+jDkfga4DVPgbp7zGbQtVuLFwcqkq+YAfYggj9aiUqvqvuO+EclxMUm5UZf+BR/z/Q9TorxseG/ip4bUjS9V/tCJc7VE4k4/wB2UcfQUv8AwsX4haOdms+GhMq/ek+yyLn/AIEpK9j2qPaW3Q/7AnU1w1aE/SVn9zPY6K8it/jxGrbNQ8PyRsDz5dxn9Co/nWjD8dPDhXNzZajDjknYjKB9d/8ASmqsH1ManDuaU96L+TT/ACZ6ZRXnkXxw8EyD576aL2eL/AmrKfGjwE33teSM+jQyf0Wr5kcMstxsd6UvuZ3VFcWPjB4BJx/wk1qD7q4/mtKPi94Axk+KtPHOPmcj+YqtzCWFrx+KDXyZ2dFcavxd8AMcDxZpn4zYqCf40/Du3XdJ4qsyP+mau5/JVNNRk9kYyhKHxKx3NFea3H7QHw7ij3W+sT3jZxst7CfP1yyAY/Gsu5/aL0Bd6af4e8QXMo+6ZLZIY29fmZ8jj2p8kluXToVav8OLfomz16ivGG+MfijUwE0zRPD+jFuk+ra0syjPTKRDcPpnvRHeajrbE+K/i5a2MDKQbTw7GtvgkdRO4L8Zx07A8GlaK3kjb6ji/wDn1L/wF/5HdeP9O8G3WnQXPja4tbE2zeZaXr3H2eeB1IIaJwQwYHBwO+OK8w0rxz49gN1D8Oo7vx7okUJMGo6raGB4nGfkEhZDPjgngHkAV1GhaR8KND1FNTOpW2qaqriT+0dUuzcz7xyGy3AOecgDmuy/4T/wp/0H7H/v7VKrCKtuH1DF/wDPqX/gL/yPLPCMnhfxfr1s/wATPEN3qXiVXXytC1m3NlBaynoqW5+V2/hySS3GRmvdFVUUKgCqowABgAVxuta/8PPEdn9l1680fUIecJcBX257gkcHjqK46TRfCOnRIngr4laj4cjjyIrSO/NxaoCSTiKTOMkk8HuaJVIT62D6hi/+fUv/AAF/5HslFeML478X6JKAPE3hHxRbK3JkZrK4dR9MoCfxAqSL9oAWczL4h8I3cCAHa+l38F9uOeOAUwMZ5/SpsujX3h9Rxf8Az6l/4C/8j2OivK7X9ojwVKyC9h1jTQ3U3Vgfl+uwt+npWnB8dvhtcNtTxPEp/wCmlrOn/oSCn7OXRHNOEoO01b1PQaK4+L4teAZow6eLdLAPZ7gIfyODUg+KngQ9PFukH/t6X/GlyvsChJ7I6yiuV/4Wh4GIyPFelY/6+Vpp+KfgQdfFukj/ALel/wAaVmV7Kot4v7jrKK5F/iv4CRCzeLdJIH925Un8hVC4+OHw4tc+b4ot2x/zyhlk/wDQVNUoSeyM2nHc72ivMbn9oPwFGwFldX+okjP+i6fL19PnC81lTftEWFwyx6H4V1e4lJI/094bNPb5izcdeuO3rRytbm8MNXqK8IN+ibPY6K8Xb4oeMNZbbZt4R8NxHhnv9Ra8kUdMr5YCk9+eKctrZaxGx8ZfF+8ui5BNtpMqWEAXBzGdoLOvOMkgkdaXureSNPqOL/59S/8AAX/ka3xGg8A6XqMmrah4jbwv4iZAn2zS5yt1IDtIV4kyZFOF4ZT25Fci/j/4tnw9uTRJzppn2f8ACQrpWbowZ/1ws9/XHPTbj867vww/wu8Hbm8PXGl2s0i7JLkyb5pBnJDSNliCQDjOOK6H/hP/AAp/0H7H/v7V+2gtN/UPqGL/AOfUv/AX/kcf8MbHwFqOoPq2ma43ifxKE3T3upyFruIZwQsT48pQTjgcZxkjFepV534l/wCFVeLgT4gk0i6l4xcB9kwx0xIuG7DvXPzQ2+nTNN4V+Md7bn732fV5F1CMn0y+GA/EkdalzhJ35g+oYv8A59S/8Bf+R7JRXjMfxR8XaPvF9/wifiRFX5DYak1nIx9T5ilfUYGO3NSwftEabBHt1vwtrNvcbvu2Jhu48eu8Ovvxilbs194PBYpaulL/AMBf+R7DRXmNr+0J4BlJF7d3+m4H/L1YS/l8gb/INaNv8cPhxcjMfii3X/rpDLH/AOhKKfs59jllFxdpKx3tFckPir4DIBHi7SefW6WlHxT8CHp4t0k/S6X/ABpcr7FKnN7JnWUVyo+J/gc9PFWlH/t5Wnf8LM8E/wDQ0aZ/4ELSL9hVe0X9zOoormP+FleC/wDoZ9N/8CBUi/ELwi6hk8Q2DKehEoIpNpblxwmJlpGnJ/JnR0Vzv/Cf+FP+g/Y/9/aP+E/8Kf8AQfsf+/tLmj3L+oYv/n1L/wABf+R0VIyq6lXAZWGCCMgiue/4T/wp/wBB+x/7+0f8J/4U/wCg/Y/9/aOaPcPqGL/59S/8Bf8AkYd78Mm0ueS++HOsz+GbpnaV7JR5thO5ABLwHhSQoG5cEdcHFX/Cb6m/h9W16K3i1H7Tci4W1YmLd58nKk84PXnnmrv/AAn/AIU/6D9j/wB/ai0K6gvtNe6tJVmglurl45EOQwM78iu7C1OaTVzCtha9GPNUg4rzTRpUUUV6ByhRRRQAUUUUAFFFFAGXfFrXWra+aOSSHyJIXMUZcoSVYHAycfKR+VP0aKRLWaWVGjNxcSTBHGGVSeMjscAHHvWjRQByx+G3hDxPrmr6jr2hW97eNdIhlkLZIEEWBwal/wCFK/Dv/oVbP/vp/wD4qtl9NgeeSUPdRvKwZ/Ju5YwxAAzhWAzgAfhSf2ZF/wA/F/8A+DCf/wCLrknRqSk2pFXRj/8AClfh3/0Ktn/30/8A8VR/wpX4d/8AQq2f/fT/APxVbH9mRf8APxf/APgwn/8Ai6P7Mi/5+L//AMGE/wD8XU+wqfzBdGP/AMKV+Hf/AEKtn/30/wD8VR/wpX4d/wDQq2f/AH0//wAVWx/ZkX/Pxf8A/gwn/wDi6P7Mi/5+L/8A8GE//wAXR7Cp/MF0Y/8AwpX4d/8AQq2f/fT/APxVQQfCD4cXE1zGnhS1DW0oifJfklFfj5umHH61v/2ZF/z8X/8A4MJ//i6aukW6M7JLeq0jbnIv5huOAMn5+TgAfgKPYVP5gujJ/wCFK/Dv/oVbP/vp/wD4qj/hSvw7/wChVs/++n/+KrY/syL/AJ+L/wD8GE//AMXR/ZkX/Pxf/wDgwn/+Lo9hU/mC6Mf/AIUr8O/+hVs/++n/APiqP+FK/Dv/AKFWz/76f/4qtj+zIv8An4v/APwYT/8AxdH9mRf8/F//AODCf/4uj2FT+YLox/8AhSvw7/6FWz/76f8A+Ko/4Ur8O/8AoVbP/vp//iq2P7Mi/wCfi/8A/BhP/wDF0f2ZF/z8X/8A4MJ//i6PYVP5gujAT4QfDh7+W0HhS18yKJJWOXwQxYD+Lr8h/Sp/+FK/Dv8A6FWz/wC+n/8Aiq1hpFuJWkEt6JGUKz/b5skDOBnf0GT+Zp39mRf8/F//AODCf/4uj2FT+YLox/8AhSvw7/6FWz/76f8A+Ko/4Ur8O/8AoVbP/vp//iq2P7Mi/wCfi/8A/BhP/wDF0f2ZF/z8X/8A4MJ//i6PYVP5gujH/wCFK/Dv/oVbP/vp/wD4qj/hSvw7/wChVs/++n/+KrY/syL/AJ+L/wD8GE//AMXR/ZkX/Pxf/wDgwn/+Lo9hU/mC6Mf/AIUr8O/+hVs/++n/APiqgf4QfDhL+K0PhS18yWJ5VOXwApUH+Lr84/Wt/wDsyL/n4v8A/wAGE/8A8XTTpFuZVkMt6ZFUqr/b5sgHGRnf0OB+Qo9hU/mC6Mn/AIUr8O/+hVs/++n/APiqP+FK/Dv/AKFWz/76f/4qtj+zIv8An4v/APwYT/8AxdH9mRf8/F//AODCf/4uj2FT+YLoxj8Ffh2Rj/hFrT/vp/8A4qoX+Bfw3k+94YhH+7cTD+T1v/2ZF/z8X/8A4MJ//i6P7Mi/5+L/AP8ABhP/APF0fV6n8w1NrY5lvgF8OCOPD+33F1L/APFVG37Pvw6J40aRfYXMn+NdV/ZkX/Pxf/8Agwn/APi6P7Mi/wCfi/8A/BhP/wDF0vq9T+Y1WImupxlz8BfhxBLbRNpE4a5lMaFbluCEZ+cnphD+lS/8M8/D3/oGT/8AgS1dY2kW7sjPLes0bbkJv5jtOCMj5+Dgkfiad/ZkX/Pxf/8Agwn/APi6Pq8/5h/Wanf8Ecj/AMM8/D3/AKBk/wD4EtTW/Z3+HxPGn3K+wuDXYf2ZF/z8X/8A4MJ//i6P7Mi/5+L/AP8ABhP/APF0fVqn835j+tVO/wCCOO/4Z1+H/wDz43X/AIEH/Cj/AIZ1+H//AD43X/gQf8K7H+zIv+fi/wD/AAYT/wDxdH9mRf8APxf/APgwn/8Ai6Pq1T+b8x/W6n9Jf5HHf8M6/D//AJ8br/wIP+FQXf7P/wAO7OFZJbC8KtLHENtx3dwg/DLCu4/syL/n4v8A/wAGE/8A8XTZNIt5VCyy3rqGDANfzHkHIP3+oIB/ChYaf835h9bq/wBJf5HIf8M6/D//AJ8br/wIP+FH/DOvw/8A+fG6/wDAg/4V2P8AZkX/AD8X/wD4MJ//AIuj+zIv+fi//wDBhP8A/F0fVqn835h9bqf0l/kcd/wzr8P/APnxuv8AwIP+FH/DOvw//wCfG6/8CD/hXY/2ZF/z8X//AIMJ/wD4uj+zIv8An4v/APwYT/8AxdH1ap/N+YfW6n9Jf5HH/wDDO/gD/nxuf+//AP8AWo/4Z38Af8+Nz/3/AP8A61dh/ZkX/Pxf/wDgwn/+Lo/syL/n4v8A/wAGE/8A8XS+rT/m/Mf1yt3/AAX+Rx138CvAFnCskunTFWljiG0p1dwg/h6ZYVP/AMKA8B/9A+T81/8Aia6iTSLeVQsst66hgwDX8x5ByD9/qCAfwp39mRf8/F//AODCf/4ul9Ufc1/tLFfzs5X/AIUB4D/6B8n5r/8AE0f8KA8B/wDQPk/Nf/ia6r+zIv8An4v/APwYT/8AxdH9mRf8/F//AODCf/4uj6pLuH9pYr+dnK/8KA8B/wDQPk/Nf/iaiP7PHgBmJNjccnPE2P6V1/8AZkX/AD8X/wD4MJ//AIuj+zIv+fi//wDBhP8A/F0LCyW0iZY/ES+KV/uOP/4Z38Af8+Nz/wB//wD61QXvwA+HljY3F3NYXhjgjaVgk/JCjJx+Vdv/AGZF/wA/F/8A+DCf/wCLpsmkW80Txyy3skbqVZGv5iGB6gjfyKpYaf8AN+ZH1yq+v4L/ACOQ/wCGdfh//wA+N1/4EH/Cj/hnX4f/APPjdf8AgQf8K7H+zIv+fi//APBhP/8AF0f2ZF/z8X//AIMJ/wD4uj6tU/m/MX1up/SX+Rx3/DOvw/8A+fG6/wDAg/4Uf8M6/D//AJ8br/wIP+Fdj/ZkX/Pxf/8Agwn/APi6P7Mi/wCfi/8A/BhP/wDF0fVqn835h9bqf0l/kcd/wzr8P/8Anxuv/Ag/4Uf8M6/D/wD58br/AMCD/hXY/wBmRf8APxf/APgwn/8Ai6P7Mi/5+L//AMGE/wD8XR9WqfzfmH1up/SX+Rx3/DOvw/8A+fG6/wDAg/4VBZfs/wDw7vrC3u4rC8EdxEsqhrjkBhkZ9+a7j+zIv+fi/wD/AAYT/wDxdNj0i3hiSOKW9jjRQqot/MAoHQAb+BR9Wn/N+YfW6v8ASX+RyH/DOvw//wCfG6/8CD/hR/wzr8P/APnxuv8AwIP+Fdj/AGZF/wA/F/8A+DCf/wCLo/syL/n4v/8AwYT/APxdH1ap/N+YfW6n9Jf5HHf8M6/D/wD58br/AMCD/hR/wzr8P/8Anxuv/Ag/4V2P9mRf8/F//wCDCf8A+Lo/syL/AJ+L/wD8GE//AMXR9WqfzfmH1up/SX+Rx3/DOvw//wCfG6/8CD/hR/wzr8P/APnxuv8AwIP+Fdj/AGZF/wA/F/8A+DCf/wCLo/syL/n4v/8AwYT/APxdH1ap/N+YfW6n9Jf5HD2n7P8A8O7yFpIrC8CrLJEd1x3Ryh/DKmp/+Gdfh/8A8+N1/wCBB/wrr49It4lKxS3qKWLELfzDknJP3+pJJ/Gnf2ZF/wA/F/8A+DCf/wCLo+rT/m/MPrdX+kv8jjv+Gdfh/wD8+N1/4EH/AAo/4Z1+H/8Az43X/gQf8K7H+zIv+fi//wDBhP8A/F0f2ZF/z8X/AP4MJ/8A4uj6tU/m/MPrdT+kv8jjv+Gdfh//AM+N1/4EH/Cj/hnX4f8A/Pjdf+BB/wAK7H+zIv8An4v/APwYT/8AxdH9mRf8/F//AODCf/4uj6tU/m/MPrdT+kv8jjv+Gdfh/wD8+N1/4EH/AArovCOjWfh7w3HpOmIY7S0uLmOJWOSB5796v/2ZF/z8X/8A4MJ//i6mtraO0gEUAYIGZvmcsSSSSSSSSSSTW1GlKDu3czqV51FaX5ImoooroMAooooAKKKKACiiigApkkiQxPLKwVEUszHoAOpp9UNcgkudBvYYAWkeBgqjucdKAHWmqQ3cwiEc0TsnmIJU2719R+Y468irtYiXlvqeuWElhIsqwxSPKVOdm4KAp9Dnt7Vt0AFFFFABRRRQBXvb230+1e4u5BHGo6nv7D1PtUU2pwxRW7BJZXuRuijjXLEYyT7YyKNWijfS7lnRWZIZCpIyVO09PSs1Jo7O70q6u3WK3axaLzHOFVzsIyTwMhT+VAGza3UV5bLPASVbIwwwQQcEEdiCMVNWZoQ3Wk8wBEc91LLHkYypbg/jjP41p0AFFFFABVe8vYrKNGlDs0jhI0jXLO3XAH0BP4VYrO1nVYNJtUlm2GR32RB2Cjce5PYY6mgA/tq28hnZZlkWUQmAp+83kZAx7jnPTFWbO9jvY3MYdGjfZJHIuGRuuCPoQfxrno5bVZbTUft0V1tuy95NGflQtEyL9FHA5+tamkutxqGpXcDB7eWRFjdej7UAJB7jPGfagDVooooAKKKKAK95exWUaNKHZpHCRoi5Z2PYD6An8Kr/ANsW32Uy7ZQwl8nydnz+Z1249cc+mOalv72GyiQ3LNHHI2wzDGIiQcEk9B2z6kVzsDpBeJcibzrCG/LG7Y53b4ipYnoQGIGen5UAdLZ3sd7G5jDo0b7JI5FwyN1wR9CD+NWKytJdbjUNSu4GD28siLG69H2oASD3GeM+1atABRRRQAUUVS1VLuWxMdiAXdgrHftITvg9jjj8aAGLrVk8F3MshMdrJ5cjBc5bjgevUCprS/ju5JIwkkMseC0cq4YA9D7jg/lXNBZkXUM2iww217bSOkb7tqoI8gDHICjNbFnPFfeIprmzkWaCO1WIyIcqWLE4B74H86ANeiiigAooooAa7rHGzucKoJJ9BVC21mG5jMpt7mGER+b5s0W1duM5z9KsaiFbS7pXWVlMTBhCAXIxztz3rmbtUntntdBu5buOSykE0ZmMgXAG3r91icjaMfTigDorTVIbuYRCOaJ2TzEEqbd6+o/McdeRV2sRLy31PXLCSwkWVYYpHlKnOzcFAU+hz29q26ACiiigAoopkyl4JFQ4ZlIB98UAUodZtp540RZQkzFIpmTCSEZ4B/A49ccUW+sW1zPGiLKqzEiGVkwkpHXB/An3xxWDp7FLXTbe0vpnvSBDcWryZEahCDlP4dpAweM++antZ4rix0OxhYG6t5I/OiH3otiENuHbnj3zQB09FFFABRRRQAVlz67FbyBJrO8XdII1byeGYnAxzzWpWUB9s8Svv5jsIl2D/po+cn8FAH/AjQBKdYthcmIrLsEvkmbZ+7D9Nufrx6Z4rQrlmljGiy6SXH29rxlEOfmOZt4fHptOc+1dTQAUUUUAFFFFAGedZtluDGVl2CXyTNs/dh8425+vGemaDrFsLkxFZdgl8kzbP3Yfptz9ePTPFc+7R/vWNwRe/b9403PysQ+AdvU5HzbumeanaWMaLLpJcfb2vGUQ5+Y5m3h8em05z7UAdTRRRQAUUUUAFZ9xrNtbzyxsszrBjz5ETKxZGeT9OeM4FaFcvqkgtpNUt7e9SI3Iy1s8WZJHZAv7rnnOAOhwQaANi51m2tppEZZXWEAzSRplYgeRk/TnjPFXwc9K5ZJI9M03VbC9dRcyr+6jJ5mzCqAKP4vmBFdJaRtDZQRycskaq31AoAmooooAKazKilnIVQMkk4Ap1NkjSWNklRXRhgqwyD+FAFKLWbKbT5r2OQtbxOULhc7iOOPXJIx606DU4JVn8wSW7W675EmXaVXBO76cH8qxnUjTLyQKSkGqiVwoz8iyKTx7AZ/CjUMatJqj6a63CDT/ACQ8ZyHcljtBHU4/9CoA2bTVIbuYRCOaJ2TzEEqbd6+o/McdeRV2sRLy31PXLCSwkWVYYpHlKnOzcFAU+hz29q26ACiiigAooooAKKKKACiiigBMYpaKKACiiigAooooAKQjPWlooAKKKKACiiigAooooASilooAKKKKACiiigBKMcY7UtFACUtFFABRRRQAUUUUAFIBjpS0UAFFFFABRRRQAUgAHQUtFACYxS0UUAFFFFABRRRQAmOc96MUtFABRRRQAUUUUAFFFFACY5zS0UUAFFFFABRRRQAmBnOOfWjHOaWigAooooAKKKKACkxznvS0UAJiloooAKKKKACiiigApAMdKWigBMYpaKKACiiigD//2Q==)**

Fig 6 Soil-Moisture Sensor Membership Function

1. ***PH Input Sensor***

**![Chart, line chart

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAkACQAAD/4RD4RXhpZgAATU0AKgAAAAgABAE7AAIAAAAPAAAISodpAAQAAAABAAAIWpydAAEAAAAeAAAQ0uocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEFiaGlqaXRoIFNoYWppAAAABZADAAIAAAAUAAAQqJAEAAIAAAAUAAAQvJKRAAIAAAADNjgAAJKSAAIAAAADNjgAAOocAAcAAAgMAAAInAAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADIwMjE6MDU6MDYgMDI6MDU6MTgAMjAyMTowNTowNiAwMjowNToxOAAAAEEAYgBoAGkAagBpAHQAaAAgAFMAaABhAGoAaQAAAP/hCyFodHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLjAvADw/eHBhY2tldCBiZWdpbj0n77u/JyBpZD0nVzVNME1wQ2VoaUh6cmVTek5UY3prYzlkJz8+DQo8eDp4bXBtZXRhIHhtbG5zOng9ImFkb2JlOm5zOm1ldGEvIj48cmRmOlJERiB4bWxuczpyZGY9Imh0dHA6Ly93d3cudzMub3JnLzE5OTkvMDIvMjItcmRmLXN5bnRheC1ucyMiPjxyZGY6RGVzY3JpcHRpb24gcmRmOmFib3V0PSJ1dWlkOmZhZjViZGQ1LWJhM2QtMTFkYS1hZDMxLWQzM2Q3NTE4MmYxYiIgeG1sbnM6ZGM9Imh0dHA6Ly9wdXJsLm9yZy9kYy9lbGVtZW50cy8xLjEvIi8+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczp4bXA9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8iPjx4bXA6Q3JlYXRlRGF0ZT4yMDIxLTA1LTA2VDAyOjA1OjE4LjY4MjwveG1wOkNyZWF0ZURhdGU+PC9yZGY6RGVzY3JpcHRpb24+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iPjxkYzpjcmVhdG9yPjxyZGY6U2VxIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpsaT5BYmhpaml0aCBTaGFqaTwvcmRmOmxpPjwvcmRmOlNlcT4NCgkJCTwvZGM6Y3JlYXRvcj48L3JkZjpEZXNjcmlwdGlvbj48L3JkZjpSREY+PC94OnhtcG1ldGE+DQogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgIDw/eHBhY2tldCBlbmQ9J3cnPz7/2wBDAAcFBQYFBAcGBQYIBwcIChELCgkJChUPEAwRGBUaGRgVGBcbHichGx0lHRcYIi4iJSgpKywrGiAvMy8qMicqKyr/2wBDAQcICAoJChQLCxQqHBgcKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKir/wAARCAEuAn0DASIAAhEBAxEB/8QAHwAAAQUBAQEBAQEAAAAAAAAAAAECAwQFBgcICQoL/8QAtRAAAgEDAwIEAwUFBAQAAAF9AQIDAAQRBRIhMUEGE1FhByJxFDKBkaEII0KxwRVS0fAkM2JyggkKFhcYGRolJicoKSo0NTY3ODk6Q0RFRkdISUpTVFVWV1hZWmNkZWZnaGlqc3R1dnd4eXqDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uHi4+Tl5ufo6erx8vP09fb3+Pn6/8QAHwEAAwEBAQEBAQEBAQAAAAAAAAECAwQFBgcICQoL/8QAtREAAgECBAQDBAcFBAQAAQJ3AAECAxEEBSExBhJBUQdhcRMiMoEIFEKRobHBCSMzUvAVYnLRChYkNOEl8RcYGRomJygpKjU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6goOEhYaHiImKkpOUlZaXmJmaoqOkpaanqKmqsrO0tba3uLm6wsPExcbHyMnK0tPU1dbX2Nna4uPk5ebn6Onq8vP09fb3+Pn6/9oADAMBAAIRAxEAPwD3WiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAoormdR8cWem6peWkum6lJDYPEt5eRxIYbcSBSrHLBmHzc7VYjGSAMEnWwdLnTUVxmmeMZ49OjS5tLzV9RnvL8RwWaRBhDBcMm472RcKNi9ckkcHmrWheL317xTcWdpZSNpf9nW17b3hCru83f1BfcM7QANoIKvn+HLWo2rX8v87HU0Vz2t+L4dF1J7EaVqWoTRWv2yX7HGjCOHJBYlnXJG37oyxzwDg4ibx3pv2wLBbXlxZCSCGXUY0TyIpJgpjVssHORJHyqkDeMkc4S12/r+noJ6HTUVyKeOLeHybe3stW1W5ne8KIiQK+IJvLcZLIoAJ+XPJA5y3WOw8fJd6pqEr2U0eiW2jwaol6VXOxw7HK7y3RcAbc5Vs8FcnS/9f1oOzvb+t7fqdlRWNpuvy6laSynQ9TtZIwjLDOIcyq3RkdZDGe+RuyMcjkZ2abVtCU7iWlpFeahcLOZCscUZUJKyAEl8/dI9BV7+xbL0n/8AAmT/AOKqDSv+Qld/9cYv5yVrUhlD+xbL0n/8CZP/AIqj+xbL0n/8CZP/AIqr9FAFD+xbL0n/APAmT/4qj+xbL0n/APAmT/4qr9FAFD+xbL0n/wDAmT/4qj+xbL0n/wDAmT/4qr9cf4z8aXvh7UNMstM0e4ujdXtrDc3ksZW3topZlj+8SN8hzgKucdWwMAi1aXcOjfY6H+xbL0n/APAmT/4qj+xbL0n/APAmT/4qsHXtf1ceMLfw7oUunWMrafJfvd6jC8ysFcJsVFdOeclt3Axwc8RQ+O7mb4c2XiG20O5v769jPk2VkN6NINw3GU4VIjtzvbHBGMkgFc1o839dvzQ7e9y/1/WpsalptvaWfnQecrrLGATcSMMGRQeCcdDTaq6Zq0+v/DnR9Xu0jSe/t7S4kWIEKrOUYgZJOMn1q1VyTi7MlNNXQUUUVIwooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAPOPjfJfL4JsodMvp7Ge51W3g86CRkYBtw6jnFeZeJvGus6r8JfDGmWeo3Vtq0KXT6hLFMyyKLRGXDsDk7sg+5r2n4g+F73xZo+n2mnS28UlrqdveOZ2YApGSSBgHnnj+dcNJ8F9QXxD41v7e7svK1u1ni0+Nnf9y8zBnLjbhRkY+XPFAE+i/FO9g8O2Nno+gXGvyaTotpcatdNeLF5ZeBX43AmR8ZJHqD3rXl+LX2vWdL03wvoFxrM2q6WNRtv9ISEAFmUo5bhcbDk884ABrk2+Cus6dMJdPtfDeqvdadbW839qo7fZJ4ohGzxEKdykjOCB244rr9E+Hl9o/wAQNH1lZrD7FYaF/Z0iQIYi0xkZyyxgbQnzeufagDHT45TN4dj19/CF3HpUNyLTULhrtP8AR5c4IRcZkAyOfl5OKhPifxDp3xw8X2ejaTd6+UtbV4rP7aIYoQIlLHLZAJJGABknNOm+E2uyfB/U/Ci3enfbrvVGvI5DI/lBC6tgnZnOB6fjWne+D/GunfErX/FXha50Zk1OGGFLW+aXnZGqliVHBBXgZOQTnFADo/jJa6ho2iyaBo1xf6xrEssUWmPMsRiaL/Wb5CCAAOQccj05qO8+NFtp/hp9QvNCuUv7XVV0u905ZlZ4ZCrNuVgMOPlOOmawpPgfe2uhaFJby6ZqmrafNPNeW+oo32W7M33hwMjbgYOOTzx0q5J8JtYuPC9pa7NAsrwa7DqM0NlC0UKQxhgIwQpLt83VgPr3IBr6v8U9Q0K30mDVvC62WsarLKsNndapFHEiR4+Z5yNoJyMLg+npnF+Ivi/Vrv4YWWqNp99od2mtQxPDFcBzKo3Z2OhAdG7dM49MGut+IXhfVvEkdkNOg0bULaBmNxp+rQnbLkYDJKoLRsPbGfXqDxlv8G9bh8ESaVHd6fDNNrcWoi0SWU21rGmcojMCxJyOoHSgDoj8Q7m7v9c8O+IvD91od5Do8t/CY71JGlhAIJDKMI+en3sEH05z9O+JEfh7wd4Lhs9K1LVn15JY7dZrtXn3KRgO5ADZLAZ4wOa2PEXgXU9X+IV1r1tPaLazeHJdKVJHYOJWZyGICkbfmHOc+1cJ4g8N6z4dn+FOhW11aJq9nJdKk3zPCXARsHgNtPQ8A8mgD0rwf46l8Q6zqeh6zo0uia1poR5bR51mVo26OrqAD2zx3Hvjibm713W/2ivsNzZakLDTYI5Y4YNTWKNFEgIuGUH5w3Qp1x16V1fgzwlrlp4v1jxX4tnsTqWoxx28dvp5YxQxJjuwBJOB/k4F2z8LXtv8WtQ8UPLbmyutMjs0jDN5gdXDEkYxjA9fwoAyR8WYD8LtQ8Z/2TJ5dldfZza+eMufMVM7scfez07U/UPiVfp4nv8AQNB8LXGrX1naRXZ23aRIUZQxyWHBGQAACST2xXI3Pwo8bHwNq3g6zv8ARBpdxem6gnkaUSyAyK2xgFIXGM5G7kAd8judD8HahpnxM1bxFPNbNaXunwWsaIzGQOgUEkFcY445oAy0+MNtfeGtAvNF0W4v9V16SSO10wTKhDRnEhaQjAUeuOQeg5xh+PPiR4rg8FiS28OX+gX66klpctJIhXB6CKQgBw3I3L93HuDRpXwk8SaD4c8MT6Zfab/wkPh64uHVZGka2njmJypbaGBxx07n61o+IPAvjjxR4KvINa1jTpdVk1CK9tbVFYW1uqZ/dh9u85z3z0HqTQBZ1PxRBp/xG0i48QRajpk66HNeXFst6r28KruLB0VTvcYOGB9OKZZ/F+4P9m6hrPhK80zw7qs6w2mqPdI5JbOwvEOUBxnOTx0zUut/DzV/Ffiax1LXprCGJtDn069S1dyVkkDfNGGXlRuHUg8dKy0+HHjPVNJ0Xwv4k1HSD4e0eaJ/PtBJ9puUi4jQhhtXjgkH069wDR1H4tX0E3iJdK8JXGoReHZ2S+m+2JEqxr/GMgknAY7QOAOvNd7oerwa/oFjq1mGWC+t0nRXHzKGAOD7jOK4q1+H+qwWPxChe4sy3idpzZkO2I98bKPM+Xjlh0zXVeDtHuPD3gvSNIvXje4srSOGRoiShZRg4JAOPwFAHn9v8bru58OHxHF4MvW0O3m8m9vBeR5hO4DKpjLjkZPAGcZ4NWNM8TJB8YPFl7dajKdGtdEt7xQXYxomxWLKvqR6DJrh/APhnxh4p+ED6Jpd7pcWialdyCeW4WT7RbgSDcEA+VgdoPOOp+o9Dj+F8jeJfEL3FxENH1TRYtLhCMTNHsQJuIwB2yOTQBBZ/F+4P9m6hrPhK80zw7qs6w2mqPdI5JbOwvEOUBxnOTx0zWDpvxY13SNQ8baj4m0m5msNLuUijjS4ixatu2pFgddxbJfnGO/Aq+nw48Z6ppOi+F/Emo6QfD2jzRP59oJPtNykXEaEMNq8cEg+nXvYk+H/AIuttb8X/wBlXeijT9fkFyjXkJmYOP8Alm8bKVKnLAnnsfUUAdL4O8aaj4mvJYb7QFsoRCJYry01CO9t5MnG3egGG74weB9M9hXlngX4Z6loPjtvEN1baTosP2VoGsNHlldLhyfvtvwFHoB7fj6nQAVg3vhO0vv7YWW6ulj1gxfaI1ZMAIAuF+XIDKADknjpg81vUUAYNh4SstNvobq1uLlZIRdAZZSGFxKJXz8vZh8voOuadoPhWy8PSK9lNcSEWUFkfOZTuWIuVY4UfMTI2T09hW5RR/X9feBk3fh+K71S5vxd3UE1zYmxbyimFXJIcZU/MCxx29QaoQeBtMttMm063muo7Sa4t7hog64BhEYVR8v3SIV3dzzgjNdLRQtNv61v+YPX+vkYNj4RsNPvY7mGW4Z41u1AdlIxcSiV+3ZgAPbrnrSaX4RtdGiZdOvbyJ/7Og09ZCY2ZEh37HGUxv8AnOcgjpxW/RR0t/X9asdzG0Xwtpfh++u7jR4VtEu0jWS2gRI4QybvnCKoAdt2Ce+1fStmiigRNpX/ACErv/rjF/OStasOxu7a11K5+1XEUO6GLb5jhc8v0zWh/a+m/wDQQtf+/wAv+NAFyiqf9r6b/wBBC1/7/L/jR/a+m/8AQQtf+/y/40AXKKp/2vpv/QQtf+/y/wCNH9r6b/0ELX/v8v8AjQBcrl/iBaXN7oenx2dvLcOms6fIyxIWKotzGzMQOwAJJ7AVuf2vpv8A0ELX/v8AL/jR/a+m/wDQQtf+/wAv+NNaNPs0/udw6NHE+K7K2fx15/i/RrrW/D7aeqWcMenyX0UFyHbzC0KKxDspXbIV4AYZGcHX8IWmq2/w7WDWRcG6KTmKO5bfMkTO5iRzk5cIVB5PIxk9a3/7X03/AKCFr/3+X/Gj+19N/wCgha/9/l/xqXG8HHv/AF+o72kpf1/X6nN+Graey+Enh22vIZLe4hsbFJYpUKujDywVIPIIPY1qVJquo2U9j5cF5bySNNFhUlUk/vF7A1HVylzScu5MVZJBRRRUjCiiigAooooAKKKKAKdlDqeoQPcRXlpCnnSxqjWjOQEkZBk+YM/dz0qx/Zmrf9BGy/8AAF//AI7Uvh3/AJBLf9fVz/6PetSvMnXqKTSZdkY39mat/wBBGy/8AX/+O0f2Zq3/AEEbL/wBf/47WzRU/WKvcLIxv7M1b/oI2X/gC/8A8do/szVv+gjZf+AL/wDx2tmij6xV7hZGN/Zmrf8AQRsv/AF//jtH9mat/wBBGy/8AX/+O1s0UfWKvcLIxv7M1b/oI2X/AIAv/wDHaP7M1b/oI2X/AIAv/wDHa2aKPrFXuFkc7a2+rXNxeRfbrJfsswiz9jc7sxo+f9bx9/H4VZ/szVv+gjZf+AL/APx2tmij6xU7hZGN/Zmrf9BGy/8AAF//AI7R/Zmrf9BGy/8AAF//AI7WzRR9Yq9wsjG/szVv+gjZf+AL/wDx2j+zNW/6CNl/4Av/APHa2aKPrFXuFkY39mat/wBBGy/8AX/+O0f2Zq3/AEEbL/wBf/47WzRR9Yq9wsjG/szVv+gjZf8AgC//AMdo/szVv+gjZf8AgC//AMdrZoo+sVe4WRzqW+rPqk9n9ush5UMcu/7G/O9nGMeb22frVn+zNW/6CNl/4Av/APHa2aKPrFTuFkY39mat/wBBGy/8AX/+O0f2Zq3/AEEbL/wBf/47WzRR9Yq9wsjG/szVv+gjZf8AgC//AMdo/szVv+gjZf8AgC//AMdrZoo+sVe4WRjf2Zq3/QRsv/AF/wD47R/Zmrf9BGy/8AX/APjtbNFH1ir3CyMb+zNW/wCgjZf+AL//AB2j+zNW/wCgjZf+AL//AB2tmij6xV7hZHOvb6smqQWf26yPmwyS7/sb8bGQYx5vff8ApVn+zNW/6CNl/wCAL/8Ax2tmij6xU7hZGN/Zmrf9BGy/8AX/APjtMfRdRkkR5L3T2eM5RmsGJX6fveK3KKPrFXuFkY39mat/0EbL/wAAX/8AjtH9mat/0EbL/wAAX/8AjtbNFH1ir3CyMb+zNW/6CNl/4Av/APHaP7M1b/oI2X/gC/8A8drZoo+sVe4WRjf2Zq3/AEEbL/wBf/47R/Zmrf8AQRsv/AF//jtbNFH1ir3CyOdurfVra4s4vt1k32qYxZ+xuNuI3fP+t5+5j8as/wBmat/0EbL/AMAX/wDjtbNFH1ip3CyMb+zNW/6CNl/4Av8A/HaP7M1b/oI2X/gC/wD8drZoo+sVe4WRhxaLqMEeyC90+NM52pYMB+ktP/szVv8AoI2X/gC//wAdrZoo+sVe4WRjf2Zq3/QRsv8AwBf/AOO0f2Zq3/QRsv8AwBf/AOO1s0UfWKvcLIxv7M1b/oI2X/gC/wD8do/szVv+gjZf+AL/APx2tmij6xV7hZHO31vq1lbrL9usn3TRRY+xuPvyKmf9b23Z/CrP9mat/wBBGy/8AX/+O1s0UfWKncLIxv7M1b/oI2X/AIAv/wDHaP7M1b/oI2X/AIAv/wDHa2aKPrFXuFkY39mat/0EbL/wBf8A+O0f2Zq3/QRsv/AF/wD47WzRR9Yq9wsjG/szVv8AoI2X/gC//wAdo/szVv8AoI2X/gC//wAdrZoo+sVe4WRjf2Zq3/QRsv8AwBf/AOO0f2Zq3/QRsv8AwBf/AOO1s0UfWKvcLI53UbfVrDS7q8+3WUn2eF5dn2Nxu2qTjPm8dKs/2Zq3/QRsv/AF/wD47WzRR9YqdwsjG/szVv8AoI2X/gC//wAdo/szVv8AoI2X/gC//wAdrZoo+sVe4WRjf2Zq3/QRsv8AwBf/AOO0f2Zq3/QRsv8AwBf/AOO1s0UfWKvcLIxv7M1b/oI2X/gC/wD8do/szVv+gjZf+AL/APx2tmij6xV7hZGN/Zmrf9BGy/8AAF//AI7R/Zmrf9BGy/8AAF//AI7WzRR9Yq9wsjG/szVv+gjZf+AL/wDx2odNuXvNKtLmUKHmhSRgvQEqCcfnW/XN6H/yL2nf9esX/oArqw9SU78zE1Yv0UUV1khRRRQAUUUUAFFFFAC+Hf8AkEt/19XP/o961Ky/Dv8AyCW/6+rn/wBHvWpXjVPjfqaLYKKKKzGFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAV5zHe6n4u1LW7pvEUmg6NpNy1rH5G1SzL953du3Tj37d/Rq4efwpr2laxqk/hiXSrix1ZzNcWWqI+1JD1K7Qcgnsf/AK9RO562WzpQ5+ZpSsuVu1t9d00nbZsXTfFv9ieFWn1vV7TX51u/s1s+lsJJLgt9xSBgB+v4ep66WneNrO5mv7bVLS50i6sIPtM0N2B/qe7qVJBA6fWubg+GeowaKZFv7NNYXVF1SLy4itujj+DHXb+HpxWkvgvUta1LVNR8VXFok93p506GOw3FIoyclssAS2e1SnM9GtTyuTnLnW+60d7r4Y2tbf8A4HWzp/xCtry8sEutK1CwtdTfZZXdwihJmP3RwSRu7Z61neJviA39ka6miWV+y2AaBtTjVfLimHbk5IBIGcd/Tmi28HeIrtdC0/XrvTTpmizRyxm1D+bOYxiMMGGF464JqG78D+I4dP17R9Hu9NGmatPJch7jzPOjZ8ZTABGOAM9cZOKTc7GlOllcK6d1pbS75bc29+/Lrbby6Hb6JNJc+H9PnnYvLLaxO7H+IlASavVU0q1ex0aytJipkt7eOJip4JVQDj24q3Wy2PmKrTqScdrsKKKKDMKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigArm9D/5F7Tv+vWL/ANAFdJXN6H/yL2nf9esX/oArvwn2iJF+iiiu4kKKKKACiiigDP1TV4dLiUyK0kjEbY0HOMgZJ7Dnqa0KztdiebRZ0hRpHJTCqMk/MK0aAF8O/wDIJb/r6uf/AEe9alYfh3TrL7O179jt/tX2q5/f+Uvmf65x97GenH0rcrxqvxv1NFsFFFFZjCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACsi68W+HrK8+yXetWMVxnaY2uFBU+h54/GvNvGXjTVfFniEeE/BDME3FJ7qJ8eZ6/MOkY7nv/O/p/wL0aOxC6nqN5NdEfM8BVEU+wKk/mfwFZc7btBH0cMqw2GpRqZjVcHLVRSvK3d9vQ9Nt7iG7t0ntZo54XGUkjYMrD2I4NSV4bNDr/wb15JYZH1DQbl8MDwrexH8LgdD3x9QPZ9K1S01rS7fUNOlEtvcIHRv6H0I6EVUZ82j3OPMMteFjGtSlz0pbSX5NdGW6KKKs8gKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAK5vQ/+Re07/r1i/8AQBW5d6dZX+z7dZ29zszs86JX2564yOOgrD0P/kXtO/69Yv8A0AV34TqRIv0UUV3EhRRRQAUUUUAFFFFAC+Hf+QS3/X1c/wDo961Ky/Dv/IJb/r6uf/R71qV41T436mi2CiiisxhRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFcD8WfF58O+G/sNlMU1HUAUQofmjj/ib29B9SR0rvWZUQs5CqoySTgAV4noEZ+JXxeuNYuFL6XppDRq3I2qcRL7bjlyOnDCs6jduVbs97JMNTlVliq6/d0lzPzf2V82dt8L/Bi+F/Dy3N3H/wATK+UPMWHMS9RH/U+/0FdvRRVxioqyPKxeKq4yvKvVd3L+rfIo61pFpr2jXOmagm+C4Xa2Oo7gj3BANeTfDzU7vwR44uvB2ssfIuJcQOeFEmPlI9nGB9cV7PXl3xo8OPPptt4ksAVutPYJKydfLJ+Vv+Asf/Hj6VnUVveXQ9rJK8Kjll1d+5V28pdH+nnoeo0VheDPES+KPCdnqXAmZdk6j+GReG+meo9iK3a1Turo8GtRnQqypVFZxdn8gooooMgooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACub0P8A5F7Tv+vWL/0AV0lc3of/ACL2nf8AXrF/6AK78J9oiRfoooruJCiiigAooooAKKKKAF8O/wDIJb/r6uf/AEe9alZfh3/kEt/19XP/AKPetSvGqfG/U0WwUUUVmMKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDhvi34iOh+CZYIGK3Wot9nQg4KrjLn8vl/4EKn+Fvh0aB4ItmkTFzfAXMxI5+YfKv4Ljj1JrifFW7x18aLPRIyJLHTiFlwcrhfnl/H+D6gV7QBgYHArKPvTcux9Ljv8AYsso4RfFU9+Xp9lfdr6hRRRWp80FQ3tpDqFjPZ3Sb4LiNopF9VYYP86mooGm4u63PG/hddS+FfHmq+EdQfasjsYd38TryCO3zJz+Ar2SvHvi/Yy6F4n0fxdYAeYsipIMcF0O5c+uRkfRa9Y06+i1PTLa+tjmK5iWVD7MM1lT0vHsfR54liYUcxj/AMvFaX+KOj+8s0UUVqfNhRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFc3of/Ivad/16xf8AoArpK5vQ/wDkXtO/69Yv/QBXfhPtESL9FFFdxIUUUUAFFFFABRRRQAvh3/kEt/19XP8A6PetSsvw7/yCW/6+rn/0e9aleNU+N+potgooorMYUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFZ+varHofh++1OXBFrA0gB/iYD5V/E4H41oV5b8b9ceDRbLQrYkyX0nmSooySikbR+LYP8AwGpnLli2ejleDeNxlOh0b19Fq/wIfgjo8rxan4jvPmlu38mNyOSM7nP0Lbf++TXrFZPhbRh4f8LafpgADW8IEhA6ueWP/fRNa1EI8sUis2xn13G1Ky2vZei0X4BRRRVHmBRRRQBz3jrQR4i8GX9iEDTCMywcf8tF5H59PxrmPgrr51HwnJpcxHm6bJheeTG5JH5HcPyr0ivFtFz4J+Otzp7ZSy1NisY24GJPmTAHo/y/nWU/dmpfI+ly3/a8uxGDe8f3kflpL8D2miiitT5oKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigArm9D/AORe07/r1i/9AFdJXN6H/wAi9p3/AF6xf+gCu/CfaIkX6KKK7iQooooAKKKKACiiigBfDv8AyCW/6+rn/wBHvWpWX4d/5BLf9fVz/wCj3rUrxqnxv1NFsFFFFZjCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigArxbjxv8fMH97ZaW2fvZG2L+hkI/A16p4o1gaB4W1DUyQGt4CUz3c8IPxYgVwHwO0dotH1DW7gEy3kvlRs3JKryTn3Y4/wCA1lPWSifS5V/suCxGOe9uSPrLf7lqeqUUUVqfNBRRRQAUUUUAFeUfG7SpI7fS/ENplZrSXyndTgjPzIfwIP516vWP4t0YeIPCeo6bjLzQny/98cr/AOPAVM480Wj08pxf1PHU6z2vZ+j0f4FnQ9Uj1vQbLUodu26hWQhTkKSOV/A5H4VfrzP4I6y134ZutJnLebp82VDdkfJxjrwwb869MohLmimRmeE+p4ypQ6J6em6/AKKKKo88KKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACub0P8A5F7Tv+vWL/0AV0lc3of/ACL2nf8AXrF/6AK78J9oiRfoooruJCiiigAooooAKKKKAF8O/wDIJb/r6uf/AEe9alZfh3/kEt/19XP/AKPetSvGqfG/U0WwUUUVmMKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAPKvjlrDR6Tp+iW+TJdy+dIqjJKrwo/Fj/AOO16B4Y0ddA8L6fpagA20Cq5XoXPLn8WJP415Uv/FbfH7P+ss9KbPByAsP8wZT+Rr2qsoaycj6XNv8AZcFh8Ct7c8vWW33LQKKKK1PmgooooAKKKKACiiigDxnTx/whfx8mtcbLPViQoC9pfmXH0kGK9mryn436U62ml+ILXKy2k3lOwPIB+ZT+BB/76r0bQdVj1zw/Y6nEV23UKyEL0ViPmH4HI/CsoaScT6TNv9pwmHxy3a5JesdvvRoUUUVqfNhRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVzeh/wDIvad/16xf+gCukrm9D/5F7Tv+vWL/ANAFd+E+0RIv0UUV3EhRRRQBV1K7+waZc3e3d5MbOF9SBwKqQTXtrqVtbXs63AuY2OQgXY64JAx1BBPXnirt/aLf6fcWjnas0ZTcO2R1qlHa6hNeRXN6LdXtoXWIRuxDu2PmOQMDjoM9TQA3Wr+W2uLO3gmaEzFyzJAZWwo6BRz1Iq5pkwuLBJBdC7yT+9CbM89MdiOlMmGpD7PLB5DsEIngZiqsxxyrbSeDntyDS6ZZyWdvJ57K000rTSbPugseg9qAJvDt9F9na02XHmfarn5vs8nl/wCuc/f27f168da3Ky/Dv/IJb/r6uf8A0e9aleNV+N+potgooorMYUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVxXj7XrzRJo2t9RmsoU0u8uSIo42MkySW6RA70bAzMRxjr7V2teM/Hhvtl9oen2c9xHfMkqlYiuGjkePCkMDnLRDHTG33pSkoq56OV4V4vGU6Vrq936LV/gSfBHTrmxke+uZDP/AGtFMyvKo3qIXjGQRjhmlbOc/cWvYq53wp4SXw3Y2scmo3d89tbeREJxEqwhiGcL5aLncyqctuPyjBGTnoqIrlSROZYr63i6lbo3p6bL8AooopnAFFFFABRRRQAUUUUAcp8TLKbUvAF5Y2zBJrqe2gRioOC9xGvf615/8HNavI1ttHfUbgrHfMhtpEj2mNoZX67NwIeMd+/SvXdZ0tdZ0xrN7me1PmxSpPb7N6PHIsikb1ZfvIOoNeJW2kHwT8f7P7VqF1cW1xMZI2lMS7zMjJltiKOHZuBjpUytFqR9Fln+1YOvgrNu3PH1jvpfqtD3uiiiqPnQooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAr3d9FZbPOS4bfnHk28kvT12Kcde9Yeh/wDIvad/16xf+gCukrm9D/5F7Tv+vWL/ANAFd+E6kSL9FFFdxIUUUUAFFFFABRRRQAvh3/kEt/19XP8A6PetSsvw7/yCW/6+rn/0e9aleNU+N+potgooorMYUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAV4toa/8ACcfHO51P5ZLDTHLoeqkR/LHj6t8/516J8Qtd/wCEe8D6hdo4WeRPIg5wS78ce4GW/wCA1gfBjQTpfg9tQnTbNqUnmA458teF/XcfxFZS96aj8z6XLv8AY8ur4x/FL93H56y/A9EooorU+aCiiigAooooAKKKKACiiigAry/436KZ9Cs9bgXE1jKEkYddjdD+DY/76r1CqOt6VFrmhXmmXHEd1E0ZbGdpI4P1BwfwqZx5otHo5ZjHgsZTr9E9fR6P8Cr4S1seI/ClhqmRvmiHmgdnHDD8wa2K8k+C2qy2lxqvha+ws1tI0yKexBCOPzA/WvW6UJc0bl5vg1g8bUpR+G916PVBRRRVnlhRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXN6H/AMi9p3/XrF/6AK6Sub0P/kXtO/69Yv8A0AV34T7REi/RRRXcSFFFFABRRRQAUUUUAL4d/wCQS3/X1c/+j3rUrL8O/wDIJb/r6uf/AEe9aleNU+N+potgooorMYUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRVTVtSg0fSLrUbs4htYmkbnrgdB7noPrQVGMpyUYq7Z5N8VbqXxP460nwjYk5jdTKRzh3wckf7Kc/8CNevWdpDYWMFpaoEhgjWONR2UDAFeS/CHTZ9b8Sar4w1EZZ5HSLjje5yxH0GB/wI17BWVPW8u59FnklQ9ll8HpSWvnJ6sKKKK1PmwooooAKKKKACiiigAooooAKKKKAPF/HCP4H+LWn+JLaLbaXhDzbRwT92UfUqQfqa9mjkSaJJYmDxuoZWU5DA9CK5L4neHP8AhI/BVykK7rqz/wBJgx3Kj5l/Fc/jiqXwi8Rf234MS0mfdc6aRA+epT+A/kMf8BrKPuza7n02M/27K6WKXxUvcl6fZf6ep3lFFFanzIUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVzeh/8i9p3/XrF/wCgCukrm9D/AORe07/r1i/9AFd+E+0RIv0UUV3EhRRRQAUUUUAFFFFAC+Hf+QS3/X1c/wDo961Ky/Dv/IJb/r6uf/R71qV41T436mi2CiiisxhRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFeUfGnXpJYrHwtp26S5vJFkmRDywzhE/Fucf7Ir0vVtUttF0i61G9bbBbRmR8dTjsPcngfWvJ/hlp114u8bX/jTWEykchFuDyPMIwAPUInH1IPUVlUd/cXU+jyOlGi55jWXu0tvOb+Ffr5aHp3hfQovDfhqy0qHaTBGBI6j77nlm/Ek/hitaiitUrKx8/VqTq1HUm7tu7+YUUUUEBRRRQAUUUUAFFFFABRRRQAUUUUABGRg8ivEoCfhp8ZGjkPl6TqZ4OAFWNzx7DY/H+79a9trhviv4VPiPwm1xax7r7TyZogBy6fxr+QB+qis6ibV1uj3cjxNOnXeHr/w6q5X5X2fyZ3NFcT8LPFY8R+E44Lh831gBDNk8uv8L/iOD7g+tdtVxkpK6PLxeFqYSvKhU3i7f8H5hRRRTOYKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigArm9D/5F7Tv+vWL/wBAFdJXN6H/AMi9p3/XrF/6AK78J9oiRfoooruJCiiigAooooAKKKKAF8O/8glv+vq5/wDR71qVl+Hf+QS3/X1c/wDo961K8ap8b9TRbBRRRWYwooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKK4X4mePU8KaWbOwdW1a6UiMAg+Qv/AD0I/kO5+lKUlFXZ1YPCVcZXjQoq8n/V35I5b4m67c+K/E1p4J0A+ZiYC5I6NIOcE/3UGSff6V6l4f0S28OaDa6XZZMVumNxHLt1LH3JJNcb8KvBMmhae+s6upOqX65Afloozzg/7TdT+A9a9DqIJ/E92etm+JpQjDL8M706e7/ml1f6L/IKKKK0PnwooooAKKKKACiiigAooooAKKKKACiiigAoIyMHkUUUAeJa5bz/AAs+JUes2Ubto+oM2+NRwATl4/qD8y//AFjXtFpdwX1nDd2cqywTIHjkXoykZBrN8UeHLTxToE+mXoA8wZjl25MTjow/zyMivMfh94puvBuuy+DfFTeVEspW3lZvkiY84yf4G6g9ifc4xX7uVujPqqkf7ZwSqx1r0laS6yj0fm11/wCGPZaKKK2PlQooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACub0P/kXtO/69Yv/AEAV0lc3of8AyL2nf9esX/oArvwn2iJF+iiiu4kKKKKACiiigAooooAXw7/yCW/6+rn/ANHvWpWX4d/5BLf9fVz/AOj3rUrxqnxv1NFsFFFFZjCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKbJIkUbPK6oijLMxwAPrQG46iuV1j4leFdFU+bqsV1KBxFZnzmPtkfKD9SK4HUfiP4p8a3T6b4G02a2iPDTrzLj1L/dj/ADz6GolUij2sJkmNxK53Hkh1lLRL7/0Ow8efEqw8JwSWlmUu9WI+WHqsXu5H8up9utc98PfAV9qGq/8ACW+M9811K3mwQzj5i3Z2HbH8K9sDpgVreC/hRZ6FOup69IupapneM5McTeoz94+5/LPNeh1Ki5Pml9x2V8dhsDRlhcvd3LSVTq/KPZf15hRRRWp8yFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVyHj/wABW3jLTd0RWDU4Afs85HDf7D/7J9eoPPqD19FJpSVmdGFxNXCVo1qLtJHkPgn4i3WgXg8L+OVkglgYRRXMvJT0Vz3Howz27c166jrJGrxsHRhlWU5BHqK5/wAWeCdJ8X2Yj1GMpcIP3VzHw8f9CPY15gv/AAnnwryqINT0VCT90vGo5OePmj9fTPrWV5U9Hqj6OeHwmc/vMM1TrPeD0Un3i/0/4d+4UVwOh/GLw1qqIt/JJpc5HKzjcmfZx/UCu2s9RstRjMmn3kF0gOC0EquB+INaqSlszwMTgMVhHavTcfVaffsWKKKKZxhRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXN6H/AMi9p3/XrF/6AK6Sub0P/kXtO/69Yv8A0AV34T7REi/RRRXcSFFFFABRRRQBjy28epa9dQXYZore3j8tAxABcvluO/yjntVjQ55LnQ7WWdi8hTDMerYOM/jjNOu9NFzcefHcz20pj8tmhK/Muc4OQemTgjnmrNvBHa20cEC7Y4lCqPQCgDzeXxD8RLO+voNC0jz9PS9uBDJ9mLbh5r98885pP+Eq+K//AEAf/JM/416Fpt/cadavbyaVdykXEzh42h2sGlZgRmQHow6irf8Absv/AEBr/wD76g/+OV4s8NVc202fSQzmhGKi8LTdvJ/5nmX/AAlXxX/6AP8A5Jn/ABo/4Sr4r/8AQB/8kz/jXpv9uy/9Aa//AO+oP/jlH9uy/wDQGv8A/vqD/wCOVP1Wr5l/23h/+gSn9z/zPMv+Eq+K/wD0Af8AyTP+NH/CVfFf/oA/+SZ/xr03+3Zf+gNf/wDfUH/xyj+3Zf8AoDX/AP31B/8AHKPqtXzD+28P/wBAlP7n/meZf8JV8V/+gD/5Jn/Gj/hKviv/ANAH/wAkz/jXpv8Absv/AEBr/wD76g/+OUf27L/0Br//AL6g/wDjlH1Wr5h/beH/AOgSn9z/AMzzL/hKviv/ANAH/wAkz/jR/wAJV8V/+gD/AOSZ/wAa9N/t2X/oDX//AH1B/wDHKP7dl/6A1/8A99Qf/HKPqtXzD+28P/0CU/uf+Z5l/wAJV8V/+gD/AOSZ/wAaP+Eq+K//AEAf/JM/416Ja6veRXF482lX7pLMHhXzITsXy0XH+s4+ZWOB6+9Wf7dl/wCgNf8A/fUH/wAco+q1fMP7bw//AECU/uf+Z5l/wlXxX/6AP/kmf8aP+Eq+K/8A0Af/ACTP+Nem/wBuy/8AQGv/APvqD/45R/bsv/QGv/8AvqD/AOOUfVavmH9t4f8A6BKf3P8AzPMv+Eq+K/8A0Af/ACTP+NH/AAlXxX/6AP8A5Jn/ABr03+3Zf+gNf/8AfUH/AMco/t2X/oDX/wD31B/8co+q1fMP7bw//QJT+5/5nmf/AAkXxb/6A/8A5Kr/AI0f8JB8XH+UaTtJ7/Zk/qa9M/t2X/oDX/8A31B/8co/t2X/AKA1/wD99Qf/AByj6rV8w/tyj/0CU/uf+Z5n/avxhk+7Ybcf9MYRn8zSFfjROOT5an3tB/8AXr03+3Zf+gNf/wDfUH/xyj+3Zf8AoDX/AP31B/8AHKPqtTzD+3or4cLS/wDAL/qeZHwr8V9Q4udd+yhuSfthTH/fsU5PgvrOpOG8Q+J2lwckKHmJP1cjt3xXoSaveLqk8zaVfmB4Y0SPzIflYM5Y48zHIZefb2FWf7dl/wCgNf8A/fUH/wAco+py6psP9ZMZH+CoQ/wxS/O5y+k/Bvwtp21ruOfUZB3uJMLn/dXH5HNdzbWtvZ26QWcEdvCgwkcSBVUewHArO/t2X/oDX/8A31B/8co/t2X/AKA1/wD99Qf/AByrWHnHaJ5GKx+JxbvXqOXq/wBNjWorJ/t2X/oDX/8A31B/8co/t2X/AKA1/wD99Qf/AByq9jU7HHdGtRWT/bsv/QGv/wDvqD/45R/bsv8A0Br/AP76g/8AjlHsanYLo1qKyf7dl/6A1/8A99Qf/HKP7dl/6A1//wB9Qf8Axyj2NTsF0a1FYD6veNqkEy6VfiBIZEePzIfmYshU48zHAVuff3NWf7dl/wCgNf8A/fUH/wAco9jU7BdGtRWT/bsv/QGv/wDvqD/45R/bsv8A0Br/AP76g/8AjlHsanYLo1qKyf7dl/6A1/8A99Qf/HKP7dl/6A1//wB9Qf8Axyj2NTsF0a1FZP8Absv/AEBr/wD76g/+OUf27L/0Br//AL6g/wDjlHsanYLo1qKyf7dl/wCgNf8A/fUH/wAco/t2X/oDX/8A31B/8co9jU7BdGtRWBdaveS3Fm8OlX6JFMXmXzIRvXy3XH+s5+ZlOD6e1Wf7dl/6A1//AN9Qf/HKPY1OwXRrUVk/27L/ANAa/wD++oP/AI5R/bsv/QGv/wDvqD/45R7Gp2C6Naisn+3Zf+gNf/8AfUH/AMco/t2X/oDX/wD31B/8co9jU7BdGtQRkYPIrJ/t2X/oDX//AH1B/wDHKP7dl/6A1/8A99Qf/HKPY1OwXRl618NvC+uv5lxpqW83P720/dE57kDgn3INcZefAvypDLomvywsAdqzRc/99KR/KvR/7dl/6A1//wB9Qf8Axyj+3Zf+gNf/APfUH/xys3hZPeJ7GGzzMMMuWnVduz1X43PMj4D+JemkLp/iYzRr90fbZOP+AsMUv2T4y2fMU/njv89s3/oVeh32r3k9uqW2lX8biaJy3mQjKrIrMOJO6gjHfNWf7dl/6A1//wB9Qf8Axyl9Un0udf8ArFVl/Eo05esF/wAA8z/tD4xw/wCstPM/7ZW5/wDQTSf278XY+W0vcPT7PGf5GvTf7dl/6A1//wB9Qf8Axyj+3Zf+gNf/APfUH/xyj6rV8w/t2m98JS/8B/4J5n/wkXxb/wCgP/5Kr/jSf8JR8WE+U6HuI7/ZM/yNem/27L/0Br//AL6g/wDjlH9uy/8AQGv/APvqD/45R9Vq+Yf23Q64Sn9z/wAzzL/hKviv/wBAH/yTP+NH/CVfFf8A6AP/AJJn/GvTf7dl/wCgNf8A/fUH/wAco/t2X/oDX/8A31B/8co+q1fMP7bw/wD0CU/uf+Z5l/wlXxX/AOgD/wCSZ/xo/wCEq+K//QB/8kz/AI16b/bsv/QGv/8AvqD/AOOUf27L/wBAa/8A++oP/jlH1Wr5h/beH/6BKf3P/M8y/wCEq+K//QB/8kz/AI0f8JV8V/8AoA/+SZ/xr0TUdXvLjS7qG00q/inkhdIpPMhXYxUgHIkyMHuKs/27L/0Br/8A76g/+OUfVavmH9t4f/oEp/c/8zzL/hKviv8A9AH/AMkz/jR/wlXxX/6AP/kmf8a9N/t2X/oDX/8A31B/8co/t2X/AKA1/wD99Qf/AByj6rV8w/tvD/8AQJT+5/5nmX/CVfFf/oA/+SZ/xo/4Sr4r/wDQB/8AJM/416b/AG7L/wBAa/8A++oP/jlH9uy/9Aa//wC+oP8A45R9Vq+Yf23h/wDoEp/c/wDM8y/4Sr4r/wDQB/8AJM/40f8ACVfFf/oA/wDkmf8AGvTf7dl/6A1//wB9Qf8Axyj+3Zf+gNf/APfUH/xyj6rV8w/tvD/9AlP7n/meZf8ACVfFf/oA/wDkmf8AGj/hKviv/wBAH/yTP+Nem/27L/0Br/8A76g/+OUf27L/ANAa/wD++oP/AI5R9Vq+Yf23h/8AoEp/c/8AM8y/4Sr4r/8AQB/8kz/jXd+HGdvCulNKMSGyhLDHQ7BmtL+3Zf8AoDX/AP31B/8AHKq6VBJbaNZQTrtkit40dc5wQoBHFduEozptuVzzsfj6eKjGMKMYW/lW5booorvPJCiiigAooooAKKKoazcSwWCi3fy5Jpo4VcD7m9wpP5E0AX6Ky7MyWutS2JmkmiaBZkMrbmU7ipGfTofzrUoAKKKKACiiigAooooAKKKjuFla2kW3dY5SpCOwyFOODjvQBJRWNa+ZDri21vdz3SJCTdea24I3G3B7E88elbNABRRRQAUUUUAFFFFABRRSEgAknAHUmgBaKw4L65uvENs4crZTQSmKP++FKfOfrk49setblABRRRQAUUUUAFFFFABRRRQAUVy8WpSXEhupJ72EfazGJAgMEah9oRhnnI/i7E9eMV1FABRRRQAUUUUAFFFFABRRRQAUVgaxdSJqnlGS78pbYyKlmMuHyeWx2x0zx1rV0yWSfSrWWd0kkeJS7ocqTjkigC1RRRQAUUUUAFFFFABRRRQAUVjRXF7Hr863kqmIWpkSGPOFAbHJPU4qvbTXMVtpV/JdSyNfOgmjY/Jh1JG0dsHH4ZoA6GiiigAooooAKKKKACiiigAorInlvU8SWaPKi2sgkCxIDlsKDlj/AEqG+W5tZo2W+lkvp7geVAp+Ty93IK+gXq3rQBu0UUUAFFFFABRRRQAUUUUAFFZGqy3sV9YmKVI7ZrlEZVB3SZzkE9hx+NQ61f3G4JYyGNIJ4RPIO5Z1Hlj8Dk/gO9AG7RRRQAUUUUAFFFFABVa/sxfWbQlzG25XRwMlGUgg/mBVmigCjZ2MsV3Ld3k6zTyIsYMcexVUZOAMnqSSTmr1FFABRRRQAUUUUAFFFFABUN1HLNaSx283kSupCy7d2w+uKmooAy9K0y705Via7hkgUHKrbFWYn+ItvOT61qUUUAFFFFABRRRQAUUUUAFNkRZY2jkUMjAqwPcGnUUAZS+H7KLU7e7giSMQow2BepOMHOe2D+datFFABRRRQAUUUUAFFFFABRRRQBkNospV7ZbpRYSTec0PlfOMtuKhs4wT7Z9616KKACiiigAooooAKKKKACiiigDPuLC4+3vd2FzHC8saxyCWLeDtJwRgjBG4+1WLG0SwsYraNiyxrjc3UnufzqxRQAUUUUAFFFFABRRRQAUUUUAVTZA6obwvkGDyTGV/2s5z/Sqdto8sLWsct0JbWzbdBH5eG6ELubPOAewHataigAooooAKKKKACiiigAooooAqz2fnaha3O/b9n3/Lj724Y69qoQaRqEF9NcrqMLPM+WL2hLBeyA7+AP8A69bNFABRRRQAUUUUAFFFFABRRRQBVvbP7Z9n+fZ5M6y9M7sZ4/Wql/4esb5GxDHHK8qyNJtyThgT374x+NatFADVUIgVBhVGAPQU6iigD//Z)**

Fig 7 PH Sensor Membership Function

As we discussed earlier in this document, we are not considering the PH value. For PH we have only one membership function Good. With centre of 7. Where 7 is considered as common optimum PH for all plants.

1. ***Fuzzy Rules, Rule Evaluation and Aggregation.***
2. Fuzzy Rules.

For FLC Fuzzy rules are used to convert fuzzy crisp inputs to crisp outputs. Fuzzy rules are created using linguistic values of input and output variables with the AND/OR operators. We have 5 input variables and 5 output variables

For example: *If (fuzzy\_input\_1 MF) OR/AND (fuzzy\_input\_2 MF) THEN (fuzzy\_output MF).*

Tab 1 Fuzzy Rules

![Table

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAkACQAAD/4RD4RXhpZgAATU0AKgAAAAgABAE7AAIAAAAPAAAISodpAAQAAAABAAAIWpydAAEAAAAeAAAQ0uocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEFiaGlqaXRoIFNoYWppAAAABZADAAIAAAAUAAAQqJAEAAIAAAAUAAAQvJKRAAIAAAADNzkAAJKSAAIAAAADNzkAAOocAAcAAAgMAAAInAAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADIwMjE6MDU6MDYgMjE6MTQ6MDYAMjAyMTowNTowNiAyMToxNDowNgAAAEEAYgBoAGkAagBpAHQAaAAgAFMAaABhAGoAaQAAAP/hCyFodHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLjAvADw/eHBhY2tldCBiZWdpbj0n77u/JyBpZD0nVzVNME1wQ2VoaUh6cmVTek5UY3prYzlkJz8+DQo8eDp4bXBtZXRhIHhtbG5zOng9ImFkb2JlOm5zOm1ldGEvIj48cmRmOlJERiB4bWxuczpyZGY9Imh0dHA6Ly93d3cudzMub3JnLzE5OTkvMDIvMjItcmRmLXN5bnRheC1ucyMiPjxyZGY6RGVzY3JpcHRpb24gcmRmOmFib3V0PSJ1dWlkOmZhZjViZGQ1LWJhM2QtMTFkYS1hZDMxLWQzM2Q3NTE4MmYxYiIgeG1sbnM6ZGM9Imh0dHA6Ly9wdXJsLm9yZy9kYy9lbGVtZW50cy8xLjEvIi8+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczp4bXA9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8iPjx4bXA6Q3JlYXRlRGF0ZT4yMDIxLTA1LTA2VDIxOjE0OjA2Ljc5NDwveG1wOkNyZWF0ZURhdGU+PC9yZGY6RGVzY3JpcHRpb24+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iPjxkYzpjcmVhdG9yPjxyZGY6U2VxIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpsaT5BYmhpaml0aCBTaGFqaTwvcmRmOmxpPjwvcmRmOlNlcT4NCgkJCTwvZGM6Y3JlYXRvcj48L3JkZjpEZXNjcmlwdGlvbj48L3JkZjpSREY+PC94OnhtcG1ldGE+DQogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgIDw/eHBhY2tldCBlbmQ9J3cnPz7/2wBDAAcFBQYFBAcGBQYIBwcIChELCgkJChUPEAwRGBUaGRgVGBcbHichGx0lHRcYIi4iJSgpKywrGiAvMy8qMicqKyr/2wBDAQcICAoJChQLCxQqHBgcKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKir/wAARCAITBKkDASIAAhEBAxEB/8QAHwAAAQUBAQEBAQEAAAAAAAAAAAECAwQFBgcICQoL/8QAtRAAAgEDAwIEAwUFBAQAAAF9AQIDAAQRBRIhMUEGE1FhByJxFDKBkaEII0KxwRVS0fAkM2JyggkKFhcYGRolJicoKSo0NTY3ODk6Q0RFRkdISUpTVFVWV1hZWmNkZWZnaGlqc3R1dnd4eXqDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uHi4+Tl5ufo6erx8vP09fb3+Pn6/8QAHwEAAwEBAQEBAQEBAQAAAAAAAAECAwQFBgcICQoL/8QAtREAAgECBAQDBAcFBAQAAQJ3AAECAxEEBSExBhJBUQdhcRMiMoEIFEKRobHBCSMzUvAVYnLRChYkNOEl8RcYGRomJygpKjU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6goOEhYaHiImKkpOUlZaXmJmaoqOkpaanqKmqsrO0tba3uLm6wsPExcbHyMnK0tPU1dbX2Nna4uPk5ebn6Onq8vP09fb3+Pn6/9oADAMBAAIRAxEAPwD0yz8SyQ2MEQslbZGq7vOxnA6421N/wlMv/Pin/f8AP/xNcfqur/2JpEd1/Z9/qHKp5NhB5snI67cjjjrXM2vxUsr67mtrTw54jmmt2CzolirGEn+8A+V6Hr6V879cxkm+RaI4va1d1serf8JTL/z4p/3/AD/8TR/wlMv/AD4p/wB/z/8AE1h0Vz/2pie6+4z+sTNz/hKZf+fFP+/5/wDiaP8AhKZf+fFP+/5/+JrDoo/tTE919w/rEzc/4SmX/nxT/v8An/4mj/hKZf8AnxT/AL/n/wCJrDoo/tTE919wfWJm5/wlMv8Az4p/3/P/AMTR/wAJTL/z4p/3/P8A8TWHRR/amJ7r7g+sTNz/AISmX/nxT/v+f/iaP+Epl/58U/7/AJ/+JrDrP03XdO1e6vbbTrjzpbCXybldjL5b8jGSBnoemaazLFNNrp5B7epudZ/wlMv/AD4p/wB/z/8AE0f8JTL/AM+Kf9/z/wDE1h0Uv7UxPdfcH1iZuf8ACUy/8+Kf9/z/APE0f8JTL/z4p/3/AD/8TWHRR/amJ7r7g+sTLun+MfOvtUjjsfmguljk3TYG7yYm4+XkYYenOfqb/wDwlMv/AD4p/wB/z/8AE1xWif8AIY8R/wDYST/0kt6d4m8R2nhXRJNU1COaSCN1QrAoLZJwOCQP1rR5jiXJRjbW3TuV7ao3ZHZ/8JTL/wA+Kf8Af8//ABNH/CUy/wDPin/f8/8AxNcXr3iaz8PeG21q9ine2UISkKgv8xAHBIHf1rTtp1urSG4jBCTIrqG6gEZ5qXmOKS5nttsT7epa50P/AAlMv/Pin/f8/wDxNH/CUy/8+Kf9/wA//E1h0VP9qYnuvuD6xM3P+Epl/wCfFP8Av+f/AImj/hKZf+fFP+/5/wDiaw6xdG8UWWuavqunWkVyk2ly+VM0sYCsckfKQTn7p64qlmWKkm1bTyD29S1ztv8AhKZf+fFP+/5/+Jo/4SmX/nxT/v8An/4muD8XeKf+EVs7Kf7H9q+13aW23zdm3cD83Q56dKmg8U2Vx4wuvDiRXIvLWATvIYx5ZU46HOc/MO1UsfjHHmVra/huP21W1/67Hbf8JTL/AM+Kf9/z/wDE0f8ACUy/8+Kf9/z/APE1yei67p3iGwN5o9x9otw5jL7GT5h1GGAPetColmWKi7PR+gnXqJ2Zuf8ACUy/8+Kf9/z/APE1Q0Pxj9r8Padc29j+6mtYpE3zYbaUBGQFODj3NUqxvB3/ACI2hf8AYNt//RS01meI5W9OnT1H7edjtf8AhKZf+fFP+/5/+Jo/4SmX/nxT/v8An/4msOsXSvFFlrGvappNrHOs+lsqzNIoCMTn7pBJPTuBQsyxUk2raeQvb1LXO2/4SmX/AJ8U/wC/5/8AiaP+Epl/58U/7/n/AOJriYPFFlceMLrw2kVyLy2gE7yGMeWVOOhznPzDtW1RLMsVG17a+QOvUW5uf8JTL/z4p/3/AD/8TR/wlMv/AD4p/wB/z/8AE1wejeKf7X8U61o32Pyf7KaMed5u7zdwJ6YGMY9TWpquq2Wh6XNqOqTeRaw48yTYzbckAcKCepFOWYYuMlF2u7dO+w/bVebl6nUf8JTL/wA+Kf8Af8//ABNH/CUy/wDPin/f8/8AxNcNr/i/TvD2g2+sXSXE9rcOix/Z48sd4JBwSMDArcVtyhhkZGeRSeY4tK7/ACF7epZM3f8AhKZf+fFP+/5/+Jo/4SmX/nxT/v8An/4msOip/tTE919wfWJm5/wlMv8Az4p/3/P/AMTWV4k8YXNvopa3solme4t4oy8pZQzzIgyABxlvX8+lQVjeKf8AkDwf9hKx/wDSuKqhmeIlJJtfcHt5vQvf2v4v/uaJ+U3+NH9r+L/7miflN/jVHxJ4o0/wvaRTah50klxJ5cFvbx75Zm9FFL4f8SW/iGOfyrS+sZrdgstvfQGKRc9Djng4PftR9exfJz9PQz5qqV7su/2v4v8A7miflN/jR/a/i/8AuaJ+U3+NW65y68aWUGuappCW9y95ptk145KgRuoUNgNknPI7Uo5hip/CClUls2bH9r+L/wC5on5Tf40f2v4v/uaJ+U3+NU/Cuu/8JN4ZtNX+zfZvtIY+Vv37cMV64GenpWpNKsEEkr52xqWbHoBmlLMMVCTjJ6oXPUvbmZX/ALX8X/3NE/Kb/Gj+1/F/9zRPym/xrB8JfEHSPGNxPBpsd1BLCgkKXKKpdc4yMMc4PH40zXviLo3h7xDDo13HdzXMmzcYI1Kx7zgbiWH14B4rX63juf2dtfQd6t2rvQ6H+1/F/wDc0T8pv8aP7X8X/wBzRPym/wAat1na9rVv4d0O51W9SWSC2UF1hUMxyQOASB39axWZYluyYlKo3ZSZN/a/i/8AuaJ+U3+NH9r+L/7miflN/jTtNvotU0u2v7dXWK5iWVFkXDAMMjI9eag1nXdO8P2sVzq9x9nillWFG2M2XOSBhQfQ1X9oYrm5Vv6Ap1HtJkv9r+L/AO5on5Tf40f2v4v/ALmiflN/jVuio/tPE9xc8/5mVP7X8X/3NE/Kb/Gj+1/F/wDc0T8pv8at0Uf2nie4c8/5mZtz4l8Sad9mn1GHS3tvtdvG6wCQOd8yIMZOByw/D1rrv+Epl/58U/7/AJ/+JrivFP8AyB4P+wlY/wDpXFWzWn9pYhQTv/WhpGrOK3Nz/hKZf+fFP+/5/wDiaP8AhKZf+fFP+/5/+JrDoqf7UxPdfcV9Ymbn/CUy/wDPin/f8/8AxNH/AAlMv/Pin/f8/wDxNYdFH9qYnuvuD6xM3P8AhKZf+fFP+/5/+Jo/4SmX/nxT/v8An/4msOmTSrBBJK+dsalmx6AZo/tTE919we3qM3/+Epl/58U/7/n/AOJo/wCEpl/58U/7/n/4mvJoPi7o0tol7JpOtwWDPsN9JZgwqc45ZWPf0ya37rxhpltrWkaaomnfWEL200IUxlcZyTkHkegNbyxmOi7Nfh2KdWqtzuv+Epl/58U/7/n/AOJo/wCEpl/58U/7/n/4muJ1XxRZaRr+l6RcxXDXGqMywtGqlFxjO4kgjr2BrarJ5likk3bXyJdeotzc/wCEpl/58U/7/n/4mj/hKZf+fFP+/wCf/iaw6Kn+1MT3X3B9Ymbn/CUy/wDPin/f8/8AxNH/AAlMv/Pin/f8/wDxNYdFH9qYnuvuD6xM3P8AhKZf+fFP+/5/+JqhrHjH7LYxyTWPym6t4xsmydzTIq9VHGSM+2evSqVY3in/AJA8H/YSsf8A0riqoZniJSSdvuGq82ztf+Epl/58U/7/AJ/+Jo/4SmX/AJ8U/wC/5/8Aiaw6wfEfjDSvDBhjvmmmu7g4gs7WPzJpeccL/iRmiOY4qb5Y6v0BVqjdkd1/wlMv/Pin/f8AP/xNH/CUy/8APin/AH/P/wATXEaB4ot/EEk8SWOoafcW4Vng1C2MT7WzgjqCOD3rbolmWKg7St9wnXqJ2Zuf8JTL/wA+Kf8Af8//ABNH/CUy/wDPin/f8/8AxNYdZPifW/8AhHPDV5q32f7T9lQN5W/ZuywHXBx19KUcyxMmkra+Q1WqSdkdl/wlMv8Az4p/3/P/AMTR/wAJTL/z4p/3/P8A8TXn1t42sptV0bTJba5S71azW7j2KGjjBUnBbg9j29OldLVTzDFw0lb7hOvURuf8JTL/AM+Kf9/z/wDE0f8ACUy/8+Kf9/z/APE1h0VH9qYnuvuD6xM3P+Epl/58U/7/AJ/+Jo/4SmX/AJ8U/wC/5/8Aiaw6468+I9la69e6Tb6JreoXNkwWY2NosqjIyDw2cfUCrhmGLqO0bP5DVaq9j03/AISmX/nxT/v+f/iaP+Epl/58U/7/AJ/+JrmtPvPt+nwXf2ee285A/k3KbJEz2ZexqzUPM8SnZ2+4X1iZuf8ACUy/8+Kf9/z/APE0f8JTL/z4p/3/AD/8TWHRR/amJ7r7g+sTLuseMfstjHJNY/Kbq3jGybJ3NMir1UcZIz7Z69Kv/wDCUy/8+Kf9/wA//E1xXin/AJA8H/YSsf8A0rirZqnmeI5U9OvT0H7edjc/4SmX/nxT/v8An/4mj/hKZf8AnxT/AL/n/wCJrn55lt7eSZwSsaFyB1wBmsvw94ms/Evh8axYxTx25LjbMoD/ACnB4BI7etCzLFOLlpZeQe2qWudp/wAJTL/z4p/3/P8A8TR/wlMv/Pin/f8AP/xNcX4Y8S2fivRV1PTo544WdkCzqA2R16Ej9a2KJZlioScZWv6C9vUWhuf8JTL/AM+Kf9/z/wDE0f8ACUy/8+Kf9/z/APE1h1n6hrunaXf2Nlf3HlXGoOY7ZNjN5jDGRkAgdR1xSjmWKk7L8g9vUZ1n/CUy/wDPin/f8/8AxNH/AAlMv/Pin/f8/wDxNYdFL+1MT3X3B9Ymbn/CUy/8+Kf9/wA//E0f8JTL/wA+Kf8Af8//ABNYdFH9qYnuvuD6xM3P+Epl/wCfFP8Av+f/AImqE3jHb4htLZrH97JazyLib5dqvEDk7euWXHHr0xzSrGuv+R50v/sG3n/o22qoZniG9bdenkNV5na/8JTL/wA+Kf8Af8//ABNH/CUy/wDPin/f8/8AxNcJ4i8Y6f4buba0nhu729usmGzsYfNlcDqcZHHHr/Kruha3b6/p32u1iuINrmOSG6iMckbjqrD15H50/wC0MWoc/T0B1qqV2dd/wlMv/Pin/f8AP/xNH/CUy/8APin/AH/P/wATWHRUf2pie6+4X1iZuf8ACUy/8+Kf9/z/APE0f8JTL/z4p/3/AD/8TXE6N4ostc1fVdOtIrlJtLl8qZpYwFY5I+UgnP3T1xW1VSzLFRdpW+4HXqJ2Zuf8JTL/AM+Kf9/z/wDE0f8ACUy/8+Kf9/z/APE1wa+Kd3xAfwz9jxts/tX2nzevIG3bj365o8ZeKP8AhEtEj1D7H9r33CQ+X5vl43Z5zg+lWsdjHKMVa72K9rVvY7z/AISmX/nxT/v+f/iaP+Epl/58U/7/AJ/+JrCByAaWsv7UxPdfcR9Ymbn/AAlMv/Pin/f8/wDxNH/CUy/8+Kf9/wA//E1h0Uf2pie6+4f1iZd0/wAY+dfapHHY/NBdLHJumwN3kxNx8vIww9Oc/U3/APhKZf8AnxT/AL/n/wCJritE/wCQx4j/AOwkn/pJb03QPFNj4iudSt7OK4hm02cwTpOoU7skZGCeODWkswxOrWyS6dxutU3O3/4SmX/nxT/v+f8A4mj/AISmX/nxT/v+f/ia4Lwx410vxbNfRaWJlaxcI/mhQHyThlwTkfKfSrHh/wAT2XiU3/8AZ8c4WxuWtneRVCuw6lcE5H1x1olj8ZG91t5dwdaqr36Ha/8ACUy/8+Kf9/z/APE0f8JTL/z4p/3/AD/8TWHWfpuu6dq91e22nXHnS2Evk3K7GXy35GMkDPQ9M1CzLFNNrp5C9vU3Os/4SmX/AJ8U/wC/5/8AiaP+Epl/58U/7/n/AOJrDopf2pie6+4PrEzc/wCEpl/58U/7/n/4mj/hKZf+fFP+/wCf/iaw6pavqkGi6Pdaldq7Q2sZkdYwCxA7DJHNCzPEt2VvuBV6jdkdT/wlMv8Az4p/3/P/AMTR/wAJTL/z4p/3/P8A8TXldv8AFbRZDave6fq+m2t2QIby9tAkL56YYMfz6V2/XpWlTH4yn8at8hutUW5u/wDCUy/8+Kf9/wA//E0f8JTL/wA+Kf8Af8//ABNYdFZ/2pie6+4X1iZuf8JTL/z4p/3/AD/8TR/wlMv/AD4p/wB/z/8AE1h0Uf2pie6+4PrEzc/4SmX/AJ8U/wC/5/8AiaP+Epl/58U/7/n/AOJrDoo/tTE919wfWJl3Q/GP2vw9p1zb2P7qa1ikTfNhtpQEZAU4OPc1f/4SmX/nxT/v+f8A4muK8Hf8iNoX/YNt/wD0UtbNVPM8RGTSt9w3Xmmbn/CUy/8APin/AH/P/wATR/wlMv8Az4p/3/P/AMTXPXNwlraTXEudkKM7YHOAMms/w34gtfFGhw6rYRzRwTFgqzqAw2sQcgEjt60f2linFy0t6C9vUtc7H/hKZf8AnxT/AL/n/wCJo/4SmX/nxT/v+f8A4msOip/tTE919wfWJm5/wlMv/Pin/f8AP/xNH/CUy/8APin/AH/P/wATWHRR/amJ7r7g+sTNz/hKZf8AnxT/AL/n/wCJo/4SmX/nxT/v+f8A4msOij+1MT3X3B9Ymbn/AAlMv/Pin/f8/wDxNH/CUy/8+Kf9/wA//E1h0Uf2pie6+4PrEzS1DxW3l20b2QHnXtrApE2fmedEXPy9MsMnsM8HpXWfYtW/597L/wACn/8AjdeZ6n97S/8AsNab/wClsNe017WX4idek5T3v/kdVGbnG7PIYf8AUR/7o/lXnvw+/wCSh+Of+vuP+clehQ/6iP8A3R/KsjR/C9lomsarqVpJO8+qyiWcSMCqkZwFAAwPmPXNfOe0jF1U+v8AmmcLkuWUe9vzPL9U8Q6vrnifXo/N8UothM1vZxaDDmOMqSMzYIJyRnH15q9qut+KJ/Dvg37XdXmkapd6gba4YxmNm+baGaM4B4wcEYNdjqPw+0291ifU7S/1TSbi5wbg6bdeSJj6sMH9MVPc+B9KuLfRoN91FHo9wLiALICXfduO8sCTk8np1rqWJoWhptbp5a/ezWVSF9PP8ji/sGsWvxL/AOEVh8V6wbG7sxcSyyzB5lIJyEYj5OR1A6cUmm6xq0HgzxxYzapdXMujzSRW13JIfOA5H3uuflzn3rv38L2T+Mo/EpluPtkdv9nEYZfL2884xnPPrWFrvhGHTPCniyTSRd3V1rCvM8RAc7zk4QKue545NSsRCaUX2XTrf/IIzi5Jea/4JyOrTa/ovgXR/GKeJ9Qnu5DCZLWRx5DIwyF2dzjqxyTyeKs+KfEeo6j4/utIL+IorCyt0ZYvD8f75nZVbc56hfmxjpwK1vDPwz02XRdFudVfU8wRJO2mTzkQJNjLHyyMg5ySM/h2rodc8DadrerLqi3WoaZqATy2utOuPJd19GODn/8AV6VrKvQjUs9bc2tttrfdr94KcE/l+v8AkcHea/4ot/hDeT6m+o2d9aX6RwXFxG0E0sWVILdM9SDyc+pro9Vjfwx4Pe41bxbqonvpYzJMqLI5YgkxwLjEe7t6YrXuvAOlXfhWTQZZ74wTTCeWcz75pHBHJZgfQdqv6/4ZsPEejpp2oeaEjZXilifbJE68BlPr+FYSxFJtWVlzXei20/VMnnjdfP8A4B514V1a/X4gpoi3fiVLC+snLJrvE6OA3zxnsOOD659Kl+GugbfGPiKb+1tUP9nai0ew3Py3P3xumGPnbvnjmuu0r4f6dpWvwa1/aGqXt/DG0fm3tz5pcEY5yOwPGMfjU9r4JsLHxXPrtld39vLcOZJ7WOfFvK+CNzJjk8k9etaTxNNqSjpeNtuqf+QSmmml5HI+GNX1G4+G/i+5n1C6lube4uhDK87M8QEYKhSTkYPTFU9S1jWh4B8Ey2WrXMF5e3SRSXBkZi+7Iy4J+cDrg+ldXP8AC/Qp728l8/UY7e9cyT2Md0Vt3fruK45IPPJI9qty+A9Ml0nRdPae7EOjTLNbsHXczKcjd8vI+mKXt6HMpeae3lb8xucL3Xn+Jyvje81LwnY6NoVhqms3f9pXLtPdKRNdlRtzHH0wTu47j1xVnwDfa6viq6sZofET6K9v5kUuuwESxyAgFd/Qg5PGfw9ew8R+F9O8UWcUGpLKrwP5kE8D7JIW9Vb/AD29Kh0HwnbaFdSXX2/UtRunTy/P1C6MzKmc7R0AGQO1QsRTdBxa97Xp9zJc4+zt1/4JLon/ACGPEf8A2Ek/9JLeuc+Mn/JN7n/rvF/6FXR6J/yGPEf/AGEk/wDSS3p3ibw5aeKtEk0vUJJo4JHVy0DANkHI5II/SsISUK0JPZcv6CjJRmmzzPx3/wAJp/wrd/7a/sH+zdsOfsnned95dv3vl64zW7NqN5B8QvBVnFeTx2s+nsZYFlIjkIibG5c4PbrXXa94Zs/EPhttFvZJ0tmCAvCwD/KQRyQR29Kp634H03XIdPE095a3GnKFtru0m8uVBgDrjHYdvpiuiOJpuNpK2stl3VkxqScUn2Zz9vqd+3xB8aWzXtwYLawV4IjK22JvLByozhTnuK5Iza/H8JrbxcfFWrG8ikCxw+d+72+aU+cdXPfLduMV6VpXgLSdGub+ezkuy+oW5gnMs28tnJL5IzuJJJJJHtSN4A0tvAq+FDcXn2FW3CTevm/f39duOp9OlVHEUoNW/u9Oivf7y/aRv/W1v8zlZZdZ0Dxb4TuX8QX9+NcYrd287DyQSF+4g4UfP+nWq8ninVdKg+IN3HdzzPZXUcdqJXLrBucrlQcgYznHTgV3t/4SsNQvNEuZpbhX0Vt1uEZQH4UfPxz90dMVFD4I0mN9b84TXMeuPvuopXG0dfu4AI6+pPSp+sUWveX4f3k/yJjOOjl5X+Tf6WPNfE+iX1l4Z8M6jc+INQ1IXl5byTQ3cnmIHZdwKHqoHIxznPtXVFrzVfixr2jPql/b2h0xCi29wU8pjs+ZOoU9ecdzVpPhRoghgjmvtWuBaurW3n3W8W4BB2oCuADgZ4zx1roLfwzZ2/i268RJJObu6gEDoWHlhRjkDGc/KO9VUxNNxsnf4une1gc1bzt+tzzb4ZeG57/wJqNxZ6zqdtcSma3iijuisSP8pEgUYIbIHOemabZeLNR8RaR4V0CK/urbVHvmh1B45mWbZCOdxB3cqcnPUg16B4f8FWHhrUrm60u7v1hnLN9ie4zbxliCSqY68YySeK5nwh4aY/FTxFr76dcWdqrtHa+fGU812PzyLnqDg8/7dafWKdSc5vpqvXa34/gVKcXzS89Pn/l+h6TWN4O/5EbQv+wbb/8Aopa2axvB3/IjaF/2Dbf/ANFLXlr+G/Vfqc/Q2a868Df8lP8AG3/XaL/2avRa467+G9lPrd7qlrreuadPfPvmFjdiJWP4Ln8yeta0Jwipxk7XVvxT/QuLXK4vrYy7jWNTt/iZ4nit7uVktdGM9vbySnylkCqQdpOBz3rjNMvbvxHd6FBp/irxJcajeS51WCKd40to+u5eNqjH1B9ulehat4JS1sdX1DTWutT1O60v7D5d5KrCYBQMk4BLnbnOetcLpNn4nt4tJtfD6eL7fUImRbhdS+WwRR94KD/DnoPTpXp4eVNxvG10ktfR7+RumnG6/rRf0jW03QrjXPiZ4whh1q+0uNGiLGycI8jbflJfqAMHgdc9eKzby7vvEnwIuL/VNRu3n0+4MeVkwLgb0A80Y+bG7j3ANep6Z4Zs9K17VNXt5J2uNUKGZXYFF2jA2gAEde5NU7DwHpFh4RuvDmbi4sbp2dzM4LgnHIIAHBAI4rn+tQ08uS2nbclVY86l5r7ranGeIYbzwz8KNOl0/WtVaW5uLZzJLdEtGGj5jUjGE4+7Whqg1TV/i5LokGu3+nWL6YssiWsmCcHHyk5CHJHzAZwMd62n+HWnTeGE0K51PVbi2jnWdHmuA7ptGAgJXAUDsBWqvhmzTxe3iMSz/bGtvspTcPL25znGM549aTxFPV7v3une1iFNJedv1PPbHxFrum+DfGdumpS3dxol0Yba6umDSBC+0kk9SACRnPJ+gqr4YaXWfG2kx6P4n8R6hZxQ+fqRmuJFSKVeQhBABUngrzx39Oh8YeCmtPCXiH/hH7abULrWLlbieKVgdhD7iYwADxnpz+NY/h6PxEfFWl/2KfFiWSN/xMP+EiOI9nogPfr05ziumEoShKcbXfp/Kv1vbzNHy8jcfP8AT+keuVjeKf8AkDwf9hKx/wDSuKtmsbxT/wAgeD/sJWP/AKVxV49L+JH1OeO6Mzx14QufE8Fjc6VerZapps3nWsjjKE8cHrjlVOcHp05rl/8AhY2u2nhnxFb6taQx65oyovmxDMbb2ChiORkZz6H0HSu58QeF7bxBJBM99qGn3FuGVLjT7kxPtOMg9QRwO1V9L8C6JpmkX2niKW7XUc/bJ7qQvLcZzyzcep6Y55611U61NUlGprbZW21117NfiaxnGy5tbf0zhdaj1rwt4O07xZB4q1K7vJDC81tczb7eUOMlVTt/hnGK0b3Uryfx94qtJLq4NougmRLZpDsRii8hc4B5NbNn8MNGtZrf7Reapf2tq++3sry63wREdMJgdK1JfB9hNr2pas01yLjUbM2cqhl2qmAMqNuc8dyfpWssRSd+u/S29rL5agpxT1/rVP8AIz/hZ/yTPSP9x/8A0Y1dLqX/ACCbv/rg/wD6Ca5lb+2+H+n2ehWOi+INVgiiLJPaWgnAyzHDMNoz7Y6EVNYeLl128GmP4b8RWK3KshuLux8uNBtPVtxx6DjqRWFaEqlSVWK0bbIUWnzdDy/w06+G9M8HeKidlu009het2CNIxUn6ZY/8BFLqkR1LRY/FU6sJNZ8QxGIN1WBA6oP5/kK9P/4V7pB8Djws0t01kH3rKXXzVO/dkHbj1HToanvvA+l3+gaXo7yXEVtpkkckJiZQzFAQNxKnOcknAFdzxtLn5+t//Jb3/M19pH77/rb8/wADnb6fUvFXxOv/AA7/AGve6Tp+m2yy4sJPKlmZgpyWwePm6e3vWJJrms2PhvxtpD6vc3T6M0Ytb4yETAM2NpcckjHXr1+ld3rvgbTtc1ZNUF1f6bqCJ5ZutPuPKdl9CcGmx+AdGi8MXuiRfaFivzuurkybp5WzncWIPPHpjk+tc8a9FQSflpbqnq7+f6iU4Jr5fK2/3nI+IJvEL6Z4evHm1t9E/s2N7uTRpcXPnbMlmJ5K4x7dc1meOY4dV+H2ganba/f6jH9sW3Du2wNkv8zpj/WLjbu+p7131/4Bsb2K1WLVNXsGt7VLQvZXflmWNRgBxjB6nsOtS3XgLRLrwhF4c8qWKyhYPE8b/vEfJO8Mc8nJ7d6uOKpRcWuj7dNRRqJJf10Od8WLeeGZPCFhaazqcqSaqqTTXF0WkmUuCVcjG4c4we1XrrULxfjdZWK3c4s20tpGtxIfLLbm+Yr0z71p33gXTtU8N2+kajeajdfZpPNivZbndcK+Tzvx746Y6elN0nwDpej67FrEVzf3F+kbRyTXVx5rTZAGXJGcgAAYwPaslWpcvvPX3um99mLmjy+dv1uc14Ci1XXdQ1K+1DX9SMGm6nKkNpHN8r4OSHJyWXBAC8AY965OLxJ4j1+0vNXtpfFZ1Hzz9kj02332MYBGEcD7x7Hj0zmvYfD3hmz8NR3qWMk8gvLlrmTzmBwzdQMAccVjSfDTSvtk8tjqGr6dBcuZJrOyvDHDIT1yuO/1rWGJpKcm12tp9/3lqpHmk/6sWb25ur3wRpNzqMLQXct1pzzRMpUo5uYcjB6c9q6isHxBbxWfh2ztrddkMN9p8aLnOFF1CAPyrergqNON13f6HP8AZQUUUViIKKKKACqupf8AIJu/+uD/APoJq1TJolngkhfO2RSpx6EYoKi7STPEPC1v4n1/4WDw9pGjQrZXMrBtTmvFCgb9xHlgbuoxnmtbxTpt9o3jDwPpuhyW8t5aWzQwveBhGxUAZbbzjr0r0bw14dtPCuiR6Xp8k0kEbMwadgWyxyeQAP0qPUvC9lqniPTdauJbhbnTd3kojKEbd13Agk/gRXqvGRdZtL3dX6tq2pr7TV/P8Tz3Wf8AhJP+Fn+Ef+Ep/srd5z+T/Z3mYxxndv8Awxj3r1ysXVfC9lq+v6Xq9zLcLcaWzNCsbKEbOM7gQSenYitquStVVSEEul/zM5yUmmuwUUUVykBRRRQAVjeKf+QPB/2ErH/0rirZrG8U/wDIHg/7CVj/AOlcVaUv4kfUqO6NmvNLUhv2ib37dyV04fY946fKmdv5yfrXpdYHiLwbpXiWeC5u/Ptr224hvbSUxzRjOcA/X1HHOOprTD1Iwk+bZpr7yoSSTT6ieOtbufDvgrUNTsQDcQoojLDIUswXdj2zmuC1qPWvC3g7TvFkHirUru8kMLzW1zNvt5Q4yVVO3+GcYrurDwRp1pZX1teXWoaqL+MRTyajcmVygzhQeMYyenNZ9n8MNGtZrf7Reapf2tq++3sry63wREdMJgdK6aNWjS0bvr23XYqMopf1qZd3c6l4u+JV7oH9rX2kafp9ok22xk8qWVmCnJbB4+bp7e9YN9qWojwj458P6hqEmpR6UYhBczHMhVn+6zdyMfnn6V6BrvgbTtc1ZNUF1f6bqCJ5ZutPuPKdl9CcGmx+AdGi8MXuiRfaFivzuurkybp5WzncWIPPHpjk+tVHEUoxS9NLdU027lRnFNfL5W3+85jTdQvIvG3gmyju50tJdEDSW6yERuRG2CV6E8CsrTY9b1vw74p1GXxRq1uNKurk2sUE23lAWwzfeZegC5AFehxeDdPh1rSdTWa5M2lWn2SBSy7WTaRlvlyTz2I+lJp3gzT9M0jV9Ogmumh1aSV52d1LKZF2nbhcDjpkGh4mmtY7+n95v8hRnFW+X/BOE1fxbqM/g3whPqGq3Gn22olxqN5Z8TYTgFcDIzgkkD/A6vwxiurvVtX1H+2NZ1HS0fybCS/nYpMp5LbWH3hgDPHU8emf4v8AC1xpDeGbbTLTWLjTNLWVWu9LIa9Qt2GMDHvjpn8ZPDGreIdCur+9vdP8UahoblY7WC8i869D9SxXIIXgjPTletdEuSVCXsra37fzfnb8Cmr00l/WrPU68k03/hI/+Fr+LP8AhF/7L8zdH539o+ZjGONuzv1611P/AAsT/qT/ABZ/4LP/ALKtjTPDFlpfiLUtat5LhrnU9vnJIylFx02gAEfiTXDTvh1JzW6svvRmnyRafU5Xxjqbpcabp2patrCag9sJJtP8MxHzHfu4c87OCNvXvWLoXiPVp/h94wimvdQ8zTCy2s12Sl1EpzgORyGGPXrmu88QeC7HxBqUGoteahp19ChiFzp9x5Tsn90nB45NVrL4eaRp+k6vp1vNe+Tq4Hnl5QzLweVJHU5J5zWsa1FUeV76dPP/ACLU4JL5HD30+u6L4U8N+Kv+El1K6uruaBJraRx5DIyk42euBgsck9eK0vHE2s2fiqa51a61618PrCv2a40RwFhbjcZh3Gc9e2MV1uoeCNN1Lwzp2hzz3S22nPG8To6h2KKQNxK4784AqHW/AFhrl/cXEup6tapdY+021rd7IZ8AD5lIPYAVaxNJzTfn06O1v1FGcbpvt+pJqNwl34M0ueO7F6sl3pzC5C7fO/0mH5sds9cdq6auf12zg0/wzZWdnGIoIL7T440BztUXUIAroK4JtON1td/oY/ZRV1L/AJBN3/1wf/0E15N8Pf8AhNP+Ffp/YX9g/wBn7pcfbPO83qd33ePpXr88S3FvJC5IWRChI64IxWX4e8M2fhrw+NHsZJ5LcFzumYF/mOTyAB39K0pVlClKNrt2/U0jNKKXmeS6R4hv/D3wNgk0pmiuLrUmtxMi7mjBySVB7/LgfWtzwrf69aeNLKC3j8VzaRcRst22v25/duFJDK/O0cAY4/Ht1tr8PdEt/B7eG5VnurFpDKGmceYrE5yGUDGPpUmjeCLPSL+O8k1PVtTlhUrCNQvDKsQIwdq4A6cV2TxVGSnZatvp3Wn3FucXFr1/M8y8QeI5xZ3eraJrviy9ngmG28jhEemj5h8pX2Bxz1OPWtTxrp76v4m8FXkuo38L6oV3LDPtFudsZLRcfKx3cnnoK6Wb4T6JLBcWov8AV47CZi4sUvP3ETE53KpHUe+a1tZ8E6bremabaTz3du+mbfst1bShJo8AD72Mc4Hbt2prFUYuLj0v06NW/MbqR5tPP8djjvGurahp3iLR/C1td689mln5s8umjzL64I3AfNx025J9zkdKh07V/EcPgrxZHe/21DBaQeZp13qUTQ3IBzkFu5GByD37dK7XVvA2m6xDYfaLrUIr3T4xHDqMNyVucY5y+OSfXHc+tLB4H0+LQ9R02S81C5OpJsuLu5uPMmYDp8xGBjJ7d6zWIo+yUba+nne/3f5AqkLR+Rz2l6d4ml+Hj6zp+t3t7rV/YoYoZpF8mMEg/Ip6PtyNxPJ5NJ8PNQH9sy2F3qmvjUBbBp9N1v5juyP3kbf3eox3zntXWv4Ysn8KReH2kuBawxJGkqybZV2YKtuAHIIB6VV0DwVYaDqk2pfbNQ1K/lj8r7TqFx5rqmc7QcDjIqHXpyjNPrtp9xnzLkae50dY11/yPOl/9g28/wDRttWzWNdf8jzpf/YNvP8A0bbVx0/i+T/IzjuYfjTwhqupa1Y+IvC97HbavYxmNUmGUlTnjvg/Mw5HOeoxmuX1fx5qmq/C6/vCH03VtPvo7edraQqpIYZwQenYjJ/Wu71zwbba3qAvV1TVtNuDGInfTrsxeYoyQGGCOMmuZ8b+D4dK+Fc2j+GdPnnJuI5CkSNLJK24ZY4GSeK78PUpvkhPV3VtNtddex0QlGTSZU1b+2vCPiLw1ef8JHqGpf2rcrBeW9yw8tt20ExoOEHzdB7c1Pp0Oq+IfiR4jsJPEGpWlhYTRSJDbTbSWI4AJzhODlR1z7VuaR8OdIsNTs9SefULqS0QC1t7u5MkVrx0RSMjHoSa2NM8M2ela/qmr28k7XGplDMsjAou0HG0AAjr3JoliKaTtq7PWy7r8kZuacdN7L+vuOB/tjU/s3xHP9o3ebN8Wx89v3H3/uc/L0HSqV9Prui+FPDfir/hJdSurq7mgSa2kceQyMpONnrgYLHJPXiu+/4QXTPL19PPu8a82bn51+Tr9z5eOp65pdQ8EabqXhnTtDnnulttOeN4nR1DsUUgbiVx35wBTjiaSa00ur6dLWf4lucdfn+WhwPjTXb3w58UdS1HTbVri4j0UAYGRFlwN7DuB/njJqTxhamD4RafM2r3Grvd30M73U0hYMWB4UH7qjpivQ38KafL4ql16VpZLia0Nm8LFTE0ZPPGM5/Gsj/hWekf8I/Joq3moLYNdi7ji81D5LDPyqSv3eehz9euXDE0koX3ja/nbp8h+0jo/wCtrHLeK/EOo33xBu9G8zxFHYWECFYvD0eZndlB3ueu35senAqG81/xRb/CG8n1N9Rs760v0jguLiNoJpYsqQW6Z6kHk59TXea34G07WtVXVFutQ0zUBH5bXWnXHku6+jHBz/8Aq9KbdeAdKu/Csmgyz3xgmmE8s5n3zSOCOSzA+g7Uo4igowTW1r6dnr94e0h7q/rYxdb0XxPp/gqR9G1jUtT1C6kjluyZFDqmDvEAx8nOOBn2q18O9Qt7kahbQ6rrFzLCyeZZ62P9ItjznLdwfTtj3roda8PW2uadDaTXN3amBw8NxaTGOWNgCMhh7E9qg8OeE7DwybqS2mu7u6vGDT3V7N5ksmOgJwOmT2rF1oSoyjLd+Xp+BlzXp2e5Jon/ACGPEf8A2Ek/9JLevPNY1D/hC/iF4okU7E1PSTdQ/wDXUfKP/Htxr0PRP+Qx4j/7CSf+klvVDxZ4A0jxldWk+qyXUb2oKr9ndV3gkHByp9O2OpopVIQqWqfC0k/uRcJKL97bT9GebaF/xbrXLWeXKJqXh9p2DHgzqpfH1+XH/Aq3tI8vw18G7CW91W40uS/l895bWISTTGQlgiejFQPm7YrrfFvgPSfGUdoupvcQm03eW1syqcHGQcqeOBVzWvCum67oMOk3aypDb7DBJC+2SFlGFZT6getbzxVOoouW7av6Ju35/gHtE7X+frayPPPCurX6/EFNEW78SpYX1k5ZNd4nRwG+eM9hxwfXPpUvw20Hy/F/iOf+1dUb+ztQZPLNzlbr743SjHzt3zxzXXaV8P8ATtK1+DWv7Q1S9v4Y2j829ufNLgjHOR2B4xj8antfBNhY+K59dsru/t5LhzJPaxz4t5XwRuZMcnknr1pVMTTakoO142263/yCU000vI8pi8SeI9ftLzV7aXxWdR88/ZI9Nt99jGARhHA+8ex49M5rqNa1HX9S8ReDrIX93o82p2bfbEjypU7QW+Q8BuCASMrn2roJPhppX2yeWx1DV9OguXMk1nZXhjhkJ65XHf61qT+EdOm1rSNSVp4pNHjMVtEjjZtK7cNkEnj3FVLE0LpxW1+nla33lTqRbbXnb9DT02x/s3TYbM3Vzd+Su3z7qTfI/PVmwMmsb4gf8k91v/r0em6v4z/snVJbL/hG/EF95eP39lY+ZE2QDw24ZxnB9xUEWsQeN7W90O70LX9MhuLdg895aCFcZAwrEn5uc4x2NcUac01Va03M4pxkpPY4e00fxN418CaFof8AZUOnaVEI5H1CS7VzKgBHyxgZB5JwfbkV1NhfXafGy8003k5so9JVkt2lPlhsp8wXpnGecV12j6XDouj2um2rSPDaxiNGkILED1wAP0rI13wPp2u6zDqrXV/YX0aeUZ7C48ppE/uscHjk9MGuh4mE5yTVo629X1DnTVn2/W5xMWs6ofC3xAlOpXZktL11t389swjd0Q5+UfSqWrSeIdH8O+GNfg8ValJe6m8MckcrBoFDpkfu+hI7k5JPPBrvLX4d6LY6HqukWjXUVpqhBlUSAmPAx8pI9u+an1HwPpup6HpOlzz3SwaS0bQMjqGYou0biVweOuAK0WJoxlptddOlrfmX7SN/v/4BzumnUvDvxZttEfW7/U7O+sGncX0m/Y4Lcr6D5eg9e9Y2j22t+ItF8SXcvirVLUabeXAtkhmKgFQW+durLjAC5AGPevRp/DNnceL7bxG8s4vLa3NuiBh5ZU7uSMZz8x71594W+Hg1ePXW1htY0tptRlUrDI0AuYeoDKwIZck4OO5op1YSi5N2aS1st7/5DUo6t+X5ag+r+KvEPw60DUbZtQkiMjrqZ0shLqRVbarJ+RyAOvtXYfD/AFC21Dw/IbTVr7UljnZT/aK4uIOB+7c/xEcnPvjtU194H0260+wtLK5v9KGnoY7eTT7kxOqnGQTznOAeeaveHfDdh4Y01rPTvNcSSGWWad98krnqzH14rKrWpTptRVtdNPPr/XkZyknGy/rcZ4O/5EbQv+wbb/8Aopa2axvB3/IjaF/2Dbf/ANFLWzXHV/iS9TOW7KOtf8gDUP8Ar1k/9BNcr8ITj4Z2BPA3zf8Aoxq7O5gS6tZbeXOyVCjYPOCMGuQ0j4aWmiPbiw8Q+IEt7eQSC1+2gQtzkhkCgEHuO+TW1OUPZShJ2u0/uv8A5l3ThyvucD4g8Rzizu9W0TXfFl7PBMNt5HCI9NHzD5SvsDjnqcetdJrl/q2q+NPCdlaavdaamqaez3H2ZuOULHCnjPGA2MjrWrN8J9ElguLUX+rx2EzFxYpefuImJzuVSOo981tf8IfYHWtH1Tzrnz9ItzbwLuXay7SuW+XJOD2IrseIoJK3S/TurL8fkaSqR6ef6WOE0bT9Z1Dxjr3hZ/FmsJY2AWWOUTA3DFgMAyEZwM8gYz7VUPinWpvga+oPqFwL62vhCLlZCruocdSOTwce9el2Hhey07xPqOuwS3DXWoqqyo7KUXaABtAGe3cmuN8YeCxovwrutG8PQ31+Xu0mCbfNkJLDPCKOOPSinXp1Jxi+8OnX7RUZRlK3n+jv+JBq39teEfEXhq8/4SPUNS/tW5WC8t7lh5bbtoJjQcIPm6D25qtrt3rGmeLL248Uapr2l2huB/Z95YYayRMnaJU7n1HU89q6zSPhzpFhqdnqTz6hdSWiAWtvd3JkiteOiKRkY9CTRffDbStRvZJLq/1ZrSWczyad9sP2ZnJyfkxnk88GhYiipK/328+n9WIVSPXsdcjB0VlYMrDIYdCKdSABVAUYAGAB2pa8owKOp/e0v/sNab/6Ww17TXi2p/e0v/sNab/6Ww17TX02UfwH6/ojvw3wHi6eFNNuY1nkl1MPIA7BNWukXJ54VZAAPYAAUv8Awh2lf89tW/8ABzd//HapeK9VvtB0PTNXtZ9lna3EP9oR+WG3wNhWOSMgqSDxU/jPV7ux0yyttFnEWoapeRW1vKFD7ATl3wQQcIDXp+zg/sre35f5nRyrt5k3/CHaV/z21b/wc3f/AMdo/wCEO0r/AJ7at/4Obv8A+O07VfGWhaJeNaajfFZ40EkiRwSSmJf7z7FIQfXFS6j4q0PSdPtb7UNShitLw4gnyWST5S3DDI6A/Xp1o9nT7IOVdiD/AIQ7Sv8Antq3/g5u/wD47R/wh2lf89tW/wDBzd//AB2pNO8XaJqs9rDY3bPJeLI0CvBJHvCHD/eUcj0PPer0Wq2U2sT6XFNuvLeJZZYwjfIrZ25bGMnB4zmj2UP5V9wuWPYzf+EO0r/ntq3/AIObv/47R/wh2lf89tW/8HN3/wDHa3q5vQNVvb3xh4msrmbfb2MsC26bFGwNFubkDJyfXNHsqd/hQcq7E3/CHaV/z21b/wAHN3/8do/4Q7Sv+e2rf+Dm7/8AjtTa34s0Tw7JFFq98IZZgTHEkbyyMPXagJx74xSL4t0J9AXWo9Rjk05nWPz0VmAZmCgEAZByR1HGeaPZ03tFD5UuhF/wh2lf89tW/wDBzd//AB2j/hDtK/57at/4Obv/AOO1oXOtafZ6vZaXc3AS9vg5t4tpPmBBluQMDA9afBqlnc6pdadBLvurRUadNjYQOCV5xg5APANHsqf8q+4XKuxmf8IdpX/PbVv/AAc3f/x2j/hDtK/57at/4Obv/wCO1vUUeyp/yofKuxg/8IdpX/PbVv8Awc3f/wAdo/4Q7Sv+e2rf+Dm7/wDjtb1FHsqf8qDlXY4rRfCmmy6t4hRpdTxFqKIu3VrpSR9lgbkiT5jljycnGB0AFa//AAh2lf8APbVv/Bzd/wDx2qkcd9KvjJNIuPs18b0fZ5dgba/2K3xwwIPNSaX4thufh0niS5IHl2jS3C9MSICHX/voEUnCnZtpaeQcqbStuT/8IdpX/PbVv/Bzd/8Ax2j/AIQ7Sv8Antq3/g5u/wD47VXTPEQ0bwhpVz4xv/8AiYXqBiqwku7N82xY41ydoIHA7c1oW/ivRbrQ7nV4L5XsrQMbh9jBotvLBkxuBHoRmqdKCbuloJRTSaW5D/wh2lf89tW/8HN3/wDHaP8AhDtK/wCe2rf+Dm7/APjtQxfEDwxPHNJDqgkihdEklSCQoC7bV+YLgjPGQcDviti91Wy0+6s7a7m2TX0pit0CMxdgCT0HAwOp4o9lD+VfcHLHsZv/AAh2lf8APbVv/Bzd/wDx2j/hDtK/57at/wCDm7/+O1vVzerare23j/w/psE220vIrpp49ineUVSvJGRjJ6Gl7Kne3Kg5V2Jv+EO0r/ntq3/g5u//AI7R/wAIdpX/AD21b/wc3f8A8drR1bWdP0LT2vdXuo7W3U43v3PYADkn2HNU9G8W6H4g89dJvhNJbjdLE0bxyKPXYwDY98Uezp9kPlXYi/4Q7Sv+e2rf+Dm7/wDjtH/CHaV/z21b/wAHN3/8dqaTxZokPhlPEEt8F0uQDbcGN+cttHy43deOlXLnVbO0vrOzuJttxfMy26BGbeVXceQMDA7nFP2UP5V9wuWJm/8ACHaV/wA9tW/8HN3/APHayPCPhTTbnwToc8kuph5NOt3YJq10i5ManhVkAA9gABXa15+dVvtB+GPhLV7WfZZ2tvZf2hH5YbfA0aqxyRkFSQeKXs4bWQ+Vdjov+EO0r/ntq3/g5u//AI7R/wAIdpX/AD21b/wc3f8A8dqHxnq93Y6ZZW2iziLUNUvIra3lCh9gJy74IIOEBqxqvjLQtEvGtNRvis8aCSRI4JJTEv8AefYpCD64o9nT/lQcq7Df+EO0r/ntq3/g5u//AI7R/wAIdpX/AD21b/wc3f8A8dqfUfFWh6Tp9rfahqUMVpeHEE+SySfKW4YZHQH69OtM07xdomqz2sNjds8l4sjQK8Eke8IcP95RyPQ896fsofyr7hcsd7Ef/CHaV/z21b/wc3f/AMdo/wCEO0r/AJ7at/4Obv8A+O1pRarZTaxPpcU268t4llljCN8itnblsYycHjOauUvZU/5UHKuxg/8ACHaV/wA9tW/8HN3/APHaP+EO0r/ntq3/AIObv/47UOgare3vjDxNZXM2+3sZYFt02KNgaLc3IGTk+uaua34s0Tw7JFFq98IZZgTHEkbyyMPXagJx74xR7OnZaIfKuxD/AMIdpX/PbVv/AAc3f/x2j/hDtK/57at/4Obv/wCO1Kvi3Qn0Bdaj1GOTTmdY/PRWYBmYKAQBkHJHUcZ5q3c61p9nq9lpdzcBL2+Dm3i2k+YEGW5AwMD1o9lD+VfcLliZ/wDwh2lf89tW/wDBzd//AB2sjxP4U02DSYHjl1Mk6jZJ8+rXTDDXUSngyHnB4PUHBGCAa6qDVLO51S606CXfdWio06bGwgcErzjByAeAaz/Fv/IFt/8AsJ6f/wClkNHs4dkPlXYZ/wAIdpX/AD21b/wc3f8A8do/4Q7Sv+e2rf8Ag5u//jtV7nV73TfiNaWF3cbtN1S0b7KhQDy7iM5YbgMncpzye3FOuNVvbj4i2mj2M2y0tbN7q/ARTvLHbGmSMjkM3GOlCpU3b3Vrf8L/AOQcqV9Cb/hDtK/57at/4Obv/wCO0f8ACHaV/wA9tW/8HN3/APHabF478NzaglnHqamR5fISTynETyf3RLt2E+wanax418PaDfNZ6rqKwXKosnkiJ3YqxIBAVTn7pzjOO+KPZU/5UHKuwf8ACHaV/wA9tW/8HN3/APHaP+EO0r/ntq3/AIObv/47Whp+tWGq3F1BYz+ZLaMqToY2UoWXcv3gMgg5yOKdpmq2WsWrXOmzefCsrxF9jKCynDYyBkZB5HFHsofyr7hcsexm/wDCHaV/z21b/wAHN3/8do/4Q7Sv+e2rf+Dm7/8AjtbcrFYXZeCFJFYPgPVLzWvA2mahqc3nXU8bGSTaF3EOw6AAdBR7Kn/Kg5V2H/8ACHaV/wA9tW/8HN3/APHaP+EO0r/ntq3/AIObv/47UV/8QPDGmajJY3urIk8TBZdsbukRPZnVSqn6kYrVbWdPTUbOxNypuL6NpbZVBIlVQCSGAx0IPXmhU6b2ih8qXQz/APhDtK/57at/4Obv/wCO0f8ACHaV/wA9tW/8HN3/APHa0LTWtPv9UvtOtLkSXenlBcx7SPL3DK8kYOR6Zp+mapZ6zYLe6bKZrdmZVfYy5KkqeCAeoPNHsqf8q+4XKuxmf8IdpX/PbVv/AAc3f/x2j/hDtK/57at/4Obv/wCO1vUUeyp/yofKuxg/8IdpX/PbVv8Awc3f/wAdo/4Q7Sv+e2rf+Dm7/wDjtb1FHsqf8qDlXY4rxP4U02DSYHjl1Mk6jZJ8+rXTDDXUSngyHnB4PUHBGCAa1/8AhDtK/wCe2rf+Dm7/APjtP8W/8gW3/wCwnp//AKWQ1t0ezh2Qcq7GD/wh2lf89tW/8HN3/wDHaP8AhDtK/wCe2rf+Dm7/APjtb1FHsqf8qDlXYwf+EO0r/ntq3/g5u/8A47R/wh2lf89tW/8ABzd//Ha3qKPZU/5UHKuxg/8ACHaV/wA9tW/8HN3/APHaP+EO0r/ntq3/AIObv/47W9RR7Kn/ACoOVdjB/wCEO0r/AJ7at/4Obv8A+O0f8IdpX/PbVv8Awc3f/wAdreoo9lT/AJUHKuxg/wDCHaV/z21b/wAHN3/8do/4Q7Sv+e2rf+Dm7/8Ajtb1FHsqf8qDlXYwf+EO0r/ntq3/AIObv/47R/wh2lf89tW/8HN3/wDHa3qKPZU/5UHKuxg/8IdpX/PbVv8Awc3f/wAdo/4Q7Sv+e2rf+Dm7/wDjtb1FHsqf8qDlXYwf+EO0r/ntq3/g5u//AI7WR4n8KabBpMDxy6mSdRsk+fVrphhrqJTwZDzg8HqDgjBANdrWJ4t/5Atv/wBhPT//AEsho9nDsg5V2Gf8IdpX/PbVv/Bzd/8Ax2j/AIQ7Sv8Antq3/g5u/wD47VTxNrep/wBvWHhvw60MF9eRPPNdzJvW2hXjcEyNzEnAB445rOvb3xJ4MvLG61fWV1zSbq5S2nMlokMtsXOFcFMArnGQRmhU6b+yhOKXQ3P+EO0r/ntq3/g5u/8A47R/wh2lf89tW/8ABzd//Hax9Vm17UviNJoul6/JpVrFpiXREdrFLucyFT99SemO/ak8TTa/o+l6DYW/iCQ3t7qaW01+bSLcUYOfubdvGB27UKnBpe6tf87DcYpvy/yubP8Awh2lf89tW/8ABzd//HaP+EO0r/ntq3/g5u//AI7U+iaZq2ntMdX1+XVw4HliS1ih8vGc/cAznjr6Vr0eyp9l9wuVdjB/4Q7Sv+e2rf8Ag5u//jtH/CHaV/z21b/wc3f/AMdreoo9lT/lQ+VdjB/4Q7Sv+e2rf+Dm7/8AjtH/AAh2lf8APbVv/Bzd/wDx2t6ij2VP+VByrsYP/CHaV/z21b/wc3f/AMdo/wCEO0r/AJ7at/4Obv8A+O1vUUeyp/yoOVdjB/4Q7Sv+e2rf+Dm7/wDjtH/CHaV/z21b/wAHN3/8dreoo9lT/lQcq7GD/wAIdpX/AD21b/wc3f8A8do/4Q7Sv+e2rf8Ag5u//jtb1FHsqf8AKg5V2OK8T+FNNg0mB45dTJOo2SfPq10ww11Ep4Mh5weD1BwRggGtf/hDtK/57at/4Obv/wCO0/xb/wAgW3/7Cen/APpZDVS51e9034jWlhd3G7TdUtG+yoUA8u4jOWG4DJ3Kc8ntxR7OF7WQcqtexY/4Q7Sv+e2rf+Dm7/8AjtH/AAh2lf8APbVv/Bzd/wDx2objVb24+Itpo9jNstLWze6vwEU7yx2xpkjI5DNxjpUkXjvw3NqCWcepqZHl8hJPKcRPJ/dEu3YT7BqFSpv7K+75ByrsO/4Q7Sv+e2rf+Dm7/wDjtH/CHaV/z21b/wAHN3/8do1jxr4e0G+az1XUVguVRZPJETuxViQCAqnP3TnGcd8VoafrVhqtxdQWM/mS2jKk6GNlKFl3L94DIIOcjij2UH9lfcHKl0M//hDtK/57at/4Obv/AOO0f8IdpX/PbVv/AAc3f/x2tLTNVstYtWudNm8+FZXiL7GUFlOGxkDIyDyOKsysVhdl4IUkUnTppX5V9wcqbtYxP+EO0r/ntq3/AIObv/47R/wh2lf89tW/8HN3/wDHaj8Capeaz4F03UdSm866njZpJNoXcQ7DoAB0ArF0nxDfXvwu07V9S13+z7mWdVkvPsay7v3xQJsAwN3C5xx1qnRgnblQrRtexvf8IdpX/PbVv/Bzd/8Ax2j/AIQ7Sv8Antq3/g5u/wD47Ums+L9D8PzeTql75cojMrRxQvMyJ/eYIpKr7nArm/EfjGymi8Matp2py2+mS6oFnmcSW6SR+Wx+YMFyvT2NL2dPsv60HyrsdB/wh2lf89tW/wDBzd//AB2si58KaavjbTIBLqex9Ou3JOrXRbIktgMN5mQPmOQDg8Z6DG7ofivRPEck8ejXy3ElvjzIzG0bKD0O1gCR7jimXf8AyP2lf9gy9/8ARtrT9lBfZX3C5UM/4Q7Sv+e2rf8Ag5u//jtH/CHaV/z21b/wc3f/AMdqv4U1e9n1LW9H1i48+9027+RygQvbuN0ZwAB6j8Ki0TxI9w/iHWNUvUh0W0ujb2u8KqqIxh33YydzkgcnpxS9nT7La/5f5j5V262Lv/CHaV/z21b/AMHN3/8AHaP+EO0r/ntq3/g5u/8A47UukeLdF1y7a1068LXCxiXyZYZIXZP7wV1BYe4yKrRePfDU+o/YINS826DvGYo4JGKshIYHC8H5TjPXtmj2UP5V9wcq7En/AAh2lf8APbVv/Bzd/wDx2j/hDtK/57at/wCDm7/+O1aHiPST4b/t8Xi/2X5Rm+0bG+7/ALuN2e2MZzWlFIs0KSx5KuoZcgg4PseRR7KH8q+4XLEw/wDhDtK/57at/wCDm7/+O0f8IdpX/PbVv/Bzd/8Ax2ofH2q3ui+D7i90ybyLhJYVV9itgNKqnggjoTS+PtVvdE8E31/pk3kXUTRBJNgbGZVU8EEdCaPZU/5Vvb8v8x8qvaxL/wAIdpX/AD21b/wc3f8A8do/4Q7Sv+e2rf8Ag5u//jtSXV4Y/F2m2p1fyRPbyt/Z/wBm3faCuPn8z+Hbnp3zVO++IfhfTrpoLnUmLrL5BMNrNKnmf3NyIVLe2c0ezp9kLlXYsf8ACHaV/wA9tW/8HN3/APHaP+EO0r/ntq3/AIObv/47WBc+L7LSPiPdnVdTkgsJNJgkgt33nc7O2SsQGd2MZwM8c12Gkaxp+vabHf6RdJdW0mdsiZHI6gg8g+x5o9lC1+VfcHLG+xy+i+FNNl1bxCjS6niLUURdurXSkj7LA3JEnzHLHk5OMDoAK1/+EO0r/ntq3/g5u/8A47RozFdU8UsvBGoqR/4B29R+BNUvNZ8C6bqOpTeddTxs0km0LuIdh0AA6AUOnTs3Zaf1+g+VdiT/AIQ7Sv8Antq3/g5u/wD47R/wh2lf89tW/wDBzd//AB2sHSfEN9e/C7TtX1LXf7PuZZ1WS8+xrLu/fFAmwDA3cLnHHWui1nxfofh+bydUvfLlEZlaOKF5mRP7zBFJVfc4FN0qa3SDlV7WI/8AhDtK/wCe2rf+Dm7/APjtH/CHaV/z21b/AMHN3/8AHa5/xH4xspovDGradqctvpkuqBZ5nElukkflsfmDBcr09jXTaH4r0TxHJPHo18txJb48yMxtGyg9DtYAke44o9lD+Vfd6f5itHsQ/wDCHaV/z21b/wAHN3/8do/4Q7Sv+e2rf+Dm7/8Ajtb1FL2VP+VD5V2MH/hDtK/57at/4Obv/wCO0f8ACHaV/wA9tW/8HN3/APHa3qKPZU/5UHKuxg/8IdpX/PbVv/Bzd/8Ax2j/AIQ7Sv8Antq3/g5u/wD47W9RR7Kn/Kg5V2MH/hDtK/57at/4Obv/AOO0f8IdpX/PbVv/AAc3f/x2t6ij2VP+VByrsYP/AAh2lf8APbVv/Bzd/wDx2j/hDtK/57at/wCDm7/+O1vUUeyp/wAqDlXYwf8AhDtK/wCe2rf+Dm7/APjtH/CHaV/z21b/AMHN3/8AHa3qKPZU/wCVByrscV4R8Kabc+CdDnkl1MPJp1u7BNWukXJjU8KsgAHsAAK1/wDhDtK/57at/wCDm7/+O1zp1W+0H4Y+EtXtZ9lna29l/aEflht8DRqrHJGQVJB4rc8Z6vd2OmWVtos4i1DVLyK2t5QofYCcu+CCDhAaPZwf2Vvb8v8AMOVdvMm/4Q7Sv+e2rf8Ag5u//jtH/CHaV/z21b/wc3f/AMdp2q+MtC0S8a01G+KzxoJJEjgklMS/3n2KQg+uKl1HxVoek6fa32oalDFaXhxBPksknyluGGR0B+vTrR7On2Qcq7EH/CHaV/z21b/wc3f/AMdo/wCEO0r/AJ7at/4Obv8A+O1Jp3i7RNVntYbG7Z5LxZGgV4JI94Q4f7yjkeh571ei1Wym1ifS4pt15bxLLLGEb5FbO3LYxk4PGc0eyh/KvuFyx7Gb/wAIdpX/AD21b/wc3f8A8do/4Q7Sv+e2rf8Ag5u//jtb1c3oGq3t74w8TWVzNvt7GWBbdNijYGi3NyBk5Prmj2VO/wAKDlXYm/4Q7Sv+e2rf+Dm7/wDjtH/CHaV/z21b/wAHN3/8dqrpmrX114u8VWE11ttrBbf7N+7U+TviLMemW555zUun+JdPsfB+n6jqmtrfJcKFS8+zGNrpiTjbCo3Z/wBkDtR7Ona9l0/EfKr7Ev8Awh2lf89tW/8ABzd//HaP+EO0r/ntq3/g5u//AI7WLrfjbTNZ8FeIm8OX1z9psrOUtItvNAYmA/vMq4YegOavaB468P3/APZ+mJq8c1/LAgGQxEjhRuAkI2s3sCTQqUHpyr7vX/ITjFdBb/wzp9jLpVxBJqJkXWdOAEuqXMq83kI5VpCD17jjr1r2z7LH/el/7/P/AI15Vrf+q03/ALDWmf8ApdDXrdWoqOiQ7JbHkl7psWs+GJtNuP8AV3VqYm9srjNcF4CmuvEOu2f9powk8K2rWUm7o10WKFvf92g/76rso/E9hbxrDJb6qWjARjHpF06kjjhljII9wSDTv+Et07/n21j/AMEl5/8AGqa0d/6/rVjeqt/X9aHCRSR6J4m8Q2+u+KL3QJLm+e4hAhi8u6iYDaVZ42LEfdIB4x0q3faXYWOm+A7Ky8+ezXVg0ZvYtrkFZGBKlRjk8DA7V2H/AAlunf8APtrH/gkvP/jVH/CW6d/z7ax/4JLz/wCNULRLyt+APVvzv+Jm/EG3kg0m01+0Utc6Hcrd/L1aH7sq/QoSfwpfAMZvLO/8RzKyy63dNOgcYKwL8kI/75Gf+BUzxHq9prvh280u3fWLJruPymnGgXjlVP3hjyx1GR14zUkviCC20uC00Nb+0MCqim48OX0yhAMY2qqc9Oc/hQtL/wBev5L8Qetv69Pzf4HV15xY+K9D8OfEPxamuajFZtNNbGMSZ+YCEZ6D3rR/4SLWP+gh/wCWdqP/AMcraHi3Tsc2+sf+CS8/+NUdbgctF4h0nQfH2p6xrc/k2Or2ds+m6g0TGN4wp3IGAODnDYOM5HtTdB0YeJ9J8ZSJBJb6ZrtwWshLGULEIAZgp5ALgHn0rrP+Et07/n21j/wSXn/xqj/hLdO/59tY/wDBJef/ABqlbRrysO+qfz/CxwEV7LrmkyeK5VYXGgraIwwch4juuR+TkfhXaeB4xcafe622C+sXklyrA5/dA7Ih/wB8KD+NW/8AhLdO/wCfbWP/AASXn/xqj/hLdO/59tY/8El5/wDGqq/9eu/5E2/r8jborE/4S3Tv+fbWP/BJef8Axqj/AIS3Tv8An21j/wAEl5/8apDNuisT/hLdO/59tY/8El5/8ao/4S3Tv+fbWP8AwSXn/wAaoANB/wCQ14m/7Caf+kdtXn95ZyxeK7zwFsb7Fq2opqSlegtjl5V9vnjA/wCBV1Gi+J7CPVvELNb6qRLqKOu3SLpiB9ltxyBHlTkHg4OMHoQTsf8ACW6d/wA+2sf+CS8/+NULR3/rv+aDpY5bxkjaf8QNO1S+1S60jTWsHtlvreJGWGXeG2uXRgoYY54+7Va7ttNPgPxlqWmaveau95aETXU8SqjlIyBsKoqtwcEjPSuy/wCEt07/AJ9tY/8ABJef/GqP+Et07/n21j/wSXn/AMapW91x9fx1Hf3kyEaJbax8O49HaNY4bjT0iUKMBDsGCAPQ4P4Vy/ga7u/FXiC3v9UjkWTw9ZfYXDjrdsSJWz3wqL/31XWnxbp+Di31gHt/xJLz/wCNVieHr2z8P6HPapJq1xfXE0txLdyeHrwB5XJO4oE6DgY3dB1FU3eTl/X9Wb/AlL3VH+v60R29cH4y1ew0P4ieF77VrlLW2SG8DSPnAJVQOlS/8JFrH/QQ/wDLO1H/AOOVq2fiqBLVF1BdSnuBnfJB4fvYkPPGFKMRx7ml1uM5zxD4h0rUtS8O+JLSf+0ND0y8mS8mhiZ1gkaMbHZcZwCeuOMipbLUrXxX8UrDVfDpaeysLGWK7vVjKxyFyNkYYgbiDluOldL/AMJbp3/PtrH/AIJLz/41R/wlunf8+2sf+CS8/wDjVC0f9dVYHqv673OIttMS512bwLOp+yW97PfhecfZ3jyg/CSU/wDfNaPgaaTXdaiu7v5pNC09dOfOf+PksRKefaNP++q6b/hLdO/59tY/8El5/wDGqP8AhLdO/wCfbWP/AASXn/xqhaf15W/IHr/Xnf8AM265fQtNi1n4TaXptx/q7rRoYm9swqM1d/4S3Tv+fbWP/BJef/Gqx/CPiewt/BOhwyW+qlo9Ot0Yx6RdOpIjUcMsZBHuCQaTV1ZjTs7mH4CmuvEOu2f9powk8K2rWUm7o10WKFvf92g/76qCKSPRPE3iG313xRe6BJc3z3EIEMXl3UTAbSrPGxYj7pAPGOld3/wlunf8+2sf+CS8/wDjVH/CW6d/z7ax/wCCS8/+NU3q7v8Aq+otErf12OPvtLsLHTfAdlZefPZrqwaM3sW1yCsjAlSoxyeBgdq3viDbyQaTaa/aKWudDuVu/l6tD92VfoUJP4Vpf8Jbp3/PtrH/AIJLz/41WX4j1e013w7eaXbvrFk13H5TTjQLxyqn7wx5Y6jI68ZobfTvf8v8gSV9e1vz/wAx/gGM3lnf+I5lZZdbumnQOMFYF+SEf98jP/Aq6yuUl8QQW2lwWmhrf2hgVUU3Hhy+mUIBjG1VTnpzn8Kqf8JFrH/QQ/8ALO1H/wCOU3a9lsJXtdmdY+K9D8OfEPxamuajFZtNNbGMSZ+YCEZ6D3p0XiHSdB8fanrGtz+TY6vZ2z6bqDRMY3jCncgYA4OcNg4zke1dSPFunY5t9Y/8El5/8apf+Et07/n21j/wSXn/AMapbJD7/wBeZyeg6MPE+k+MpEgkt9M124LWQljKFiEAMwU8gFwDz6VmRXsuuaTJ4rlVhcaCtojDByHiO65H5OR+Fd//AMJbp3/PtrH/AIJLz/41R/wlunf8+2sf+CS8/wDjVGz06W/AN9/P8Sp4HjFxp97rbYL6xeSXKsDn90DsiH/fCg/jVvxb/wAgW3/7Cen/APpZDR/wlunf8+2sf+CS8/8AjVY/ifxPYT6TAqW+qgjUbF/n0i6QYW6iJ5MYGcDgdScAZJAoAm+I1nM3htNWs1zd6LcJfx47qn31/FC1UPDltPr3hnxFr1qWju/EHmi0ZuCkSqY4fp3b8a6H/hLdO/59tY/8El5/8ao/4S3Tv+fbWP8AwSXn/wAapW0a7/1+iHfVPsec6Uukaj4WsdC1XxRq0M6rFDLoi2sQljkUj5Qgh34BGd3pyTXX2kSH40ai7IrOmjQhXI5GZXzg/hWv/wAJbp3/AD7ax/4JLz/41R/wlunf8+2sf+CS8/8AjVVfW/r+KsTbSy/rU5Txze3PhDxIda06KRzrNk1gVjGc3a8wMR75YfhXZ+HNHj8P+G7HS4jkW0IRm/vN1Y/iSTXPazfafrOraRczHWEttNuDcm2/sC8PnSbSEO7y+NuSehzVjUPE1xJOp0qa5totuGW58L38zFvUFdmB04x+NJaK39f1q/wG9Xf+v6sl+J1E/wDx7yf7h/lXnPw28a+Hbfwdo2jTatCmokGIW5B3b2kOB0x3FbVn4lvkukbULqae3Gd8cHhTUInPHGGLMBz7GtX/AIS3Tv8An21j/wAEl5/8ao/UDhdB8S6N4a8F3nh3xAkiayr3CT2RtmaS8Z2bDLgYcMCOc4x7VaOl3mgfDjwtqeoqy3mgSRSzg/eSFvkkU49EYf8AfNdh/wAJbp3/AD7ax/4JLz/41R/wlunf8+2sf+CS8/8AjVGvz0/AHq/v/E4Ce6m0Cxt/EUQIuPEVtdRjOeZpW8y2B9MKSK9M0TS49F0Gy02D7lrAsQPqQOT+J5ql/wAJbp3/AD7ax/4JLz/41R/wlunf8+2sf+CS8/8AjVGysv6/q4bu/wDX9aG3RWJ/wlunf8+2sf8AgkvP/jVH/CW6d/z7ax/4JLz/AONUAbdFYn/CW6d/z7ax/wCCS8/+NUf8Jbp3/PtrH/gkvP8A41QAeLf+QLb/APYT0/8A9LIa264zxP4nsJ9JgVLfVQRqNi/z6RdIMLdRE8mMDOBwOpOAMkgVsf8ACW6d/wA+2sf+CS8/+NUAbdFYn/CW6d/z7ax/4JLz/wCNUf8ACW6d/wA+2sf+CS8/+NUAbdFYn/CW6d/z7ax/4JLz/wCNUf8ACW6d/wA+2sf+CS8/+NUAbdFYn/CW6d/z7ax/4JLz/wCNUf8ACW6d/wA+2sf+CS8/+NUAbdFYn/CW6d/z7ax/4JLz/wCNUf8ACW6d/wA+2sf+CS8/+NUAbdFYn/CW6d/z7ax/4JLz/wCNUf8ACW6d/wA+2sf+CS8/+NUAbdFYn/CW6d/z7ax/4JLz/wCNUf8ACW6d/wA+2sf+CS8/+NUAbdFYn/CW6d/z7ax/4JLz/wCNUf8ACW6d/wA+2sf+CS8/+NUAbdYni3/kC2//AGE9P/8ASyGj/hLdO/59tY/8El5/8arH8T+J7CfSYFS31UEajYv8+kXSDC3URPJjAzgcDqTgDJIFAEPieVvDnxA07xRcwTPpj2T2F3NDGZDb/NvRmUZO3ORkf4VU17XbDx8+naJ4YZ9Qj+2xT3t0kTCK3ijO4gsQBuOAABnvXU/8Jbp3/PtrH/gkvP8A41R/wlunf8+2sf8AgkvP/jVC0t5f53/MHrfz/wCGOY1Tw/p3iH4wTQatFJLHHosbqI55IsHzmHVGBPWl8b6Dp8On+FdGjikFidZijMZnkLbSrkjeW3d+ua6b/hLdO/59tY/8El5/8ao/4S3Tv+fbWP8AwSXn/wAaoWiS8/1uD1bff/KxNonhrS/DqzLpEMsQnIMnmXMkucZx99jjqelatYn/AAlunf8APtrH/gkvP/jVH/CW6d/z7ax/4JLz/wCNUAbdFYn/AAlunf8APtrH/gkvP/jVH/CW6d/z7ax/4JLz/wCNUAbdFYn/AAlunf8APtrH/gkvP/jVH/CW6d/z7ax/4JLz/wCNUAbdFYn/AAlunf8APtrH/gkvP/jVH/CW6d/z7ax/4JLz/wCNUAbdFYn/AAlunf8APtrH/gkvP/jVH/CW6d/z7ax/4JLz/wCNUAbdFYn/AAlunf8APtrH/gkvP/jVH/CW6d/z7ax/4JLz/wCNUAHi3/kC2/8A2E9P/wDSyGs34jWczeG01azXN3otwl/HjuqffX8ULVD4n8T2E+kwKlvqoI1Gxf59IukGFuoieTGBnA4HUnAGSQK2P+Et07/n21j/AMEl5/8AGqPQfqc94ctp9e8M+ItetS0d34g80WjNwUiVTHD9O7fjXNaUukaj4WsdC1XxRq0M6rFDLoi2sQljkUj5Qgh34BGd3pyTXo3/AAlunf8APtrH/gkvP/jVH/CW6d/z7ax/4JLz/wCNULR/d+At1r5/iZFpEh+NGouyKzpo0IVyORmV84P4Vl+Ob258IeJDrWnRSOdZsmsCsYzm7XmBiPfLD8K6v/hLdO/59tY/8El5/wDGqxtZvtP1nVtIuZjrCW2m3BuTbf2BeHzpNpCHd5fG3JPQ5pWukn/V73/P7w2u/wCtLW/FHQ+HNHj8P+G7HS4jkW0IRm/vN1Y/iSTV+f8A495P9w/yrl9Q8TXEk6nSprm2i24ZbnwvfzMW9QV2YHTjH41HZ+Jb5LpG1C6mntxnfHB4U1CJzxxhizAc+xpy9+9+oL3bGB4B8B+HtV8BaZfX1pcPcTRsXZb6dATvYfdVwB07Cs+EY/Z/0oDoL2H/ANK69E/4S3Tv+fbWP/BJef8Axqj/AIS3Tv8An21j/wAEl5/8ap31v5p/cxW0t/WxxGs6/e6L8RPEA08WyNPbW6ubuC4lAwjYkBijYBRkgq2MkE5HNK9tpo0L4f2un3sWqWkWqKvnheHYJIT8p6YbselXJXe11zUNQ8ParqtiupMslxDceF7u4AkChQytsUjgDg5Favh2/wBJ8PaWbWNdcuZJJnuJ55NEuw0srnLNgRYHPQDoAKUdEr+X4P8Ar+tnLXb+tLBIAvxrhIGC2gvux3xOuK1bv/kftK/7Bl7/AOjbWj/hLdO/59tY/wDBJef/ABqse58T2DeNtMmFvqu1NOvEIOkXQbJktiML5eSPlOSBgcZxkZOiX9bth1v/AFtYzPH17P4R8SW/iWzjaQX1nJpsiKM5mwXgOP8AeBFJ4l8Nz6P8M9HsbQ3DJpt3BcXrW8YkkKhiZHCkEMQzb8EHpXWf8Jbp3/PtrH/gkvP/AI1R/wAJbp3/AD7ax/4JLz/41S2Vv63v+Y93/Xp+Rzmg/wBjax4qsL228V3+vXVnHI0Y8qPy4g64beyRLtzxgEg5HSrnw0ijTR9WdEVWk1m7LsBgt+8I59eK1/8AhLdO/wCfbWP/AASXn/xqj/hLdO/59tY/8El5/wDGqr/L9bknAvaSr4jk+HvlyfYptTGpKQMqLL/WMnsPNG38a9Zri7S+0+Hxdf69cHWJ3uLeO2gi/sC8X7PGpJIz5Z3ZY56Cln8Sam1xIba9eOEsSiSeEdQdlXsCwcAn3wPpSWkUv67fkl8xv4m/67/mO+KqCT4eXiN91prcHBxx5yVgfEDwL4f0fwRe32n2s8dxE0WxnvZ5AMyoD8rOQeCeorp9O8USReZ/a0l5dZx5f2XwzfQbfXO4Pnt6fjV7/hLdO/59tY/8El5/8aoWn33/ACAydW/5Kv4a/wCvC7/9krgNO1j7V4Xh0TUr600zSBfmSaeW2uTLGBOX8ov5Yi3buC+/8M16lL4p0yaF4nttZ2upU40W8Bwf+2VcVFYSRaAfDy69rA0TaYfKXwrcifyT1TzdmM4/i2ZoXTy/zuFl/XpY6CyWKX4zahMAjkaLBskABwDI/Q+/FP8AAAC3HipVGFGvT4A6D5UNaFv4l0m0tYreC01hIoUEaL/Yt5woGAP9V6VL/wAJbp3/AD7ax/4JLz/41T228197uLV7+X5WI9I/5CXir/sIr/6RW9cf4B8B+HtV8BaZfX1pcPcTRsXZb6dATvYfdVwB07CtzRfE9hHq3iFmt9VIl1FHXbpF0xA+y245AjypyDwcHGD0IJ2P+Et07/n21j/wSXn/AMaqbaP+u4zzuEY/Z/0oDoL2H/0rq7rOv3ui/ETxANPFsjT21urm7guJQMI2JAYo2AUZIKtjJBORzXb/APCW6d/z7ax/4JLz/wCNVysrva65qGoeHtV1WxXUmWS4huPC93cASBQoZW2KRwBwcim/ebv1v+iH5/1vf+v6RTe200aF8P7XT72LVLSLVFXzwvDsEkJ+U9MN2PSuhkAX41wkDBbQX3Y74nXFHh2/0nw9pZtY11y5kkme4nnk0S7DSyucs2BFgc9AOgArV/4S3Tv+fbWP/BJef/Gqq+t/V/erE9Lf1o7m3RWJ/wAJbp3/AD7ax/4JLz/41R/wlunf8+2sf+CS8/8AjVSM26KxP+Et07/n21j/AMEl5/8AGqP+Et07/n21j/wSXn/xqgDborE/4S3Tv+fbWP8AwSXn/wAao/4S3Tv+fbWP/BJef/GqANuisT/hLdO/59tY/wDBJef/ABqj/hLdO/59tY/8El5/8aoA26KxP+Et07/n21j/AMEl5/8AGqP+Et07/n21j/wSXn/xqgDborE/4S3Tv+fbWP8AwSXn/wAao/4S3Tv+fbWP/BJef/GqAKWhabFrPwm0vTbj/V3WjQxN7ZhUZrmPAU114h12z/tNGEnhW1ayk3dGuixQt7/u0H/fVbnhHxPYW/gnQ4ZLfVS0enW6MY9IunUkRqOGWMgj3BINbH/CW6d/z7ax/wCCS8/+NULR3/r+tWD1Vv6/rQ4SKSPRPE3iG313xRe6BJc3z3EIEMXl3UTAbSrPGxYj7pAPGOlW77S7Cx03wHZWXnz2a6sGjN7FtcgrIwJUqMcngYHauw/4S3Tv+fbWP/BJef8Axqj/AIS3Tv8An21j/wAEl5/8aoWiXlb8Aerfnf8AEzfiDbyQaTaa/aKWudDuVu/l6tD92VfoUJP4UvgGM3lnf+I5lZZdbumnQOMFYF+SEf8AfIz/AMCpniPV7TXfDt5pdu+sWTXcflNONAvHKqfvDHljqMjrxmpJfEEFtpcFpoa39oYFVFNx4cvplCAYxtVU56c5/ChaX/r1/JfiD1t/Xp+b/A6uvOLHwtpHiL4h+LX1eCWVoZrYJ5d1LFgGEZ+4wz071o/8JFrH/QQ/8s7Uf/jlbQ8W6djm31j/AMEl5/8AGqOtwOZ8KaXaaN4r8a2OnI0dvGlttV5WkIzCSfmYknk+tc3BqM2l+Efh5eWyp50SzFGmjkeM5QgoVjVmyQTggHGDxXpf/CW6d/z7ax/4JLz/AONVz+vXNtqerWGraXdaxp2oWSvGrv4du543R8blKGMc8DkEGjX8vwuGn5/jYxDdQX3gjxzey6jbXGp3lu0lzawRyRi2VYtqDbIFY8DlioyfpWr4lhjh8J+DFhjWMR6np4QKoG3tx6VPolza2GsXWsatc6xqOpXESweYvh67hjjiUkhVQRk9Tkkk9ulb/wDwlunf8+2sf+CS8/8AjVPZr5fh/X/Dg9fx/Es63/qtN/7DWmf+l0Net14fqHiOyvZNLghg1NXbWdOIM2lXMS8XsJ5Z4wB07nnp1r2r7VH/AHZf+/L/AOFIDzCO9tbaGyhuLmGKW4ULCkkgVpSFyQoPU49Kmuru2sbV7m9uIraCMZeWZwir25J4Fct45spZ/A6X9koN7pJj1C3OP4o8Ej8V3CqviK/i8Uv4W0q0O+31WVL+cf8ATvEA+D9WKiha/f8A1+v3A9P6/ry+87kHIyKK891L4gzNrWo2mm6p4e06PT5DBjVZj5lxIPvYCsNig8ZOeQeKmu/Huo3Phvw3qOg6fbSXGs3X2ZoLiQ7UO18kOOwZc5wcjtk0LVXXl+OwPTR/1Y7yiuTfXNe0bVNDt/EQ05oNRlktpZrOOQCOXGYsFmPDAEYI696vaTrlzqnirWbONIhp+mmOESAHe8xXc4znGACoxjr3o/r+v66gb1QxXltPcTQQXEUk1uQJo0cFoyRkBgORkc81NXH+Fv8AkoHjP/rva/8Aomhb/wBeQHYUVymo69rt94mudE8KQ2CtYRJJeXWob2QM4JVFVCCTgZznFZ7+NtXTwrrk8lhaprGgzql5CpZ4pI+GLpyDyhJAPTHNAdbHd0VymqeL5bTxbo1haRRS6fdorXUxUlo/NyIcYOBllIORWho+sXWqa/rUGyIWFhKlvE4U73k2BpMnOMDco6etH9fcF/69TbooooAKKKKAOe0u6t7HUPFNzezxW8EepIXllcIqj7HbckngV0CsroHRgysMgg5BFc5Y2MOp3Hi+xulDw3N8InUjqDZW4Nc1YeJbrTvhHexSndq2ls2kqo6tMCI4z+IZT+dLXX+v66fePt/X9dT0O1vLa+t1uLK4iuYWJAkhcOpIODyOOCCKmrz+81xPBFrovhOwu9Ms547MSS3epybYkUHBIUEFmZtxxkdDTrTx/c3HhfxJcq2m3d9okRkWezcvbXAKFlIGcjoQVz2603ZXa2QlrbzO+orhptf8Y2nhG48QXdnpQRIY7lLOESSSLFnMgZsgFtvII4GO/Wta88SySeIdB07R/JmTUo3uppHBOy3VQQwwRgszKATnvxTtZ2FfS50dQyXltFdRWstxElxMGMUTOA8gXqVHU474qauP13/kqnhT/rhe/wDoC0lvb+th9DsKK5/xRr95pc2nabo1tDcapqkrR24uGKxRhV3O745IAxwOTmqWm+INdtfFCaB4mh083F3bPPZ3VjvEblPvIysSQRnOQcYoA62iuCm8c6qvw9i1KCzt31w3L2j2pVvLEkbNvAG7P3EJHPpW23iOW71/Q7LS1jeC+tXvbh3UkpCAuzbgjBLMOueho32/rS/5A9N/66fmdFXO+EL21tvA/hiG4uYYpbjTrdYUkkCtKRCpIUHqceldFXnV/ZSz/BXQ7+yUG90mws9Qtzj+KONSR+K7hSbtqxpX0R391d21javc3txFbQRjLyzOEVe3JPAqYHIyK4bxFfxeKX8LaVaHfb6rKl/OP+neIB8H6sVFVtS+IMza1qNppuqeHtOj0+QwY1WY+ZcSD72ArDYoPGTnkHim9N/6t/wdBLXY9Corg7vx7qNz4b8N6joOn20lxrN19maC4kO1DtfJDjsGXOcHI7ZNaD65r2japodv4iGnNBqMsltLNZxyARy4zFgsx4YAjBHXvTtrb5Cvpc6yisHSdcudU8VazZxpENP00xwiQA73mK7nGc4wAVGMde9b1LpcZDFeW09xNBBcRSTW5AmjRwWjJGQGA5GRzzU1cf4W/wCSgeM/+u9r/wCial1HXtdvvE1zonhSGwVrCJJLy61DeyBnBKoqoQScDOc4o7f10DudXRXCP421dPCuuTyWFqmsaDOqXkKlnikj4YunIPKEkA9Mc1oap4vltPFujWFpFFLp92itdTFSWj83Ihxg4GWUg5FG7S7/APDoNk2/6sdXWJ4t/wCQLb/9hPT/AP0sho0fWLrVNf1qDZELCwlS3icKd7ybA0mTnGBuUdPWjxb/AMgW3/7Cen/+lkNAGrJeW0V1Fay3ESXEwYxRM4DyBepUdTjvipq4/Xf+SqeFP+uF7/6AtaHijX7zS5tO03RraG41TVJWjtxcMVijCrud3xyQBjgcnNHRP+tw6s6CiuS03xBrtr4oTQPE0Onm4u7Z57O6sd4jcp95GViSCM5yDjFZ83jnVV+HsWpQWdu+uG5e0e1Kt5YkjZt4A3Z+4hI59KNN/wCt7fmGv9ff+R3tFc63iOW71/Q7LS1jeC+tXvbh3UkpCAuzbgjBLMOuehroqdrCTuFFFFIYUUUUAFFFFABRRRQAUUUUAYni3/kC2/8A2E9P/wDSyGtusTxb/wAgW3/7Cen/APpZDW3QAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFYni3/AJAtv/2E9P8A/SyGtusTxb/yBbf/ALCen/8ApZDQBrzzw2sDzXMqQxRjc8kjBVUepJ6VV07W9K1ff/ZOp2d95f3/ALNcJJt+u0nFcp4gtovEHxR0rQ9TTztNtbCTUGtn5jnl3hF3Do20ZOPeofHmkWOhw6Xr+i2cNlqFrqEEYe2jCebG7bWjbA5BBoWtr9f87fmD0v5f5XOu1DxFouk3Ag1TWLCymZdwjubpI2I9cMQccGkfxHokenR6hJrGnpZStsS5a6QRu3PAbOCeDx7VxOvXtlZfFyV9Q0e61VG0aMLFbWRuSh81vmKgHA7Zo8a3dkdD8LXUekXMVp/bEbGwNkVlIw+V8nHU+nfNJapPz/WwPRtdl+lzutO1zSdYaQaTqdnfGPBcW1wkmzPTO0nHSr1YXhm+0++W4bTtDu9J2lQ4udPNqZOuMZA3Y/TNbtUxBRRRSGFFFFABRRRQAUUUUAFFFFAGJ4t/5Atv/wBhPT//AEshrVS9tZLyS0juYWuYlDSQrIC6A9CV6gGsrxb/AMgW3/7Cen/+lkNY/iU/2F490HXVAWG9J0q7bHZ/miJ+jAj8aOqX9f1cOjZ1st5bQXENvNcRRzXBIhjdwGkIGTtHU4HPFTVxBvIrr4iarq90T9h8NWHlA4ziVx5khHuEVR+NYw+KVylnDqst94ektpJFLaXDcE3kcbED727azjOSu0dDzQtbf16feD0PUKK43VPEHiWXxvPoHh230zZHZR3Rub3fhMswIIU5bOBjGMc5zwKvad4iuV8TatpGuC3ha0gju7eSJWUSQEYYnJOdrAjPHbijpf8ArQDpKCQASTgDqaxPCGr3mveGrfVL+GOE3TPJDHGpGItx2ZyTyVwT9ela8/8Ax7yf7h/lSleKYLVjbW7t761S5sriK4gkGUlicOrD2I4NQ/2xpn2BL7+0bT7JIwRLjz18tmJwAGzgnPH1rzzwD4xi07wFplo2h69cGKNgZbbTZJI2+djww4NRaNqA074G6TdfYrW8/wBKRRFeRb0G65K5xxyM5B7GqtrbzX4sV9LnqlU77VbLTZ7OG9m8uS9m8i3GxjvfBOOBxwDycCuf1LW9eu/EGo6X4bXTYTptvHLLLqAdhI0gJVQFI2gBeWJP04rldS1vWdZ8P+CdXaCzuL+51UPFDEGhjH7txglix45OR1HQUlr96/Fjen4/lc9WrEu/+R+0r/sGXv8A6Ntaz9E13XF8WzeH/E0NgZ2tPtlvPYbwpQNtKsHycgnrWhd/8j9pX/YMvf8A0ba0dLh1satpe2t/D51jcw3MW4rvhkDrkHBGR3BojvLaW6mtoriJ7iAKZYlcF4w33dw6jOOM9a5DQJV8P+Pdf0WTbHa3SjVrbsBu+WYf99AH8aydM8RDQfB974suEjN34g1HNsLiTy0VCdkW9uyhFLH2pdL+X47W++/3D62/rvf7vzPS6K4XQfHM914otNHvNQ0PVBexO0c2kSNmF0GSrqWbgjOGyOnSpPDuv+LPEV1dSxwaTbafa3s9qXcSNJLsYhWABwMcZyeecY4piO2orh/+E5ux8O5dVa3h/tuK4Ng1ptbZ9q8zYFxnOOQ2M9O9drF5nkp5xUybRvKDAz3x7UAMury2sbcz3txFbQqQDJM4RQScAZPHJOKLq7trG2a4vriK2gTG6WZwirk4GSeOpArlPiq2z4eXjEE7Zrc4UZJ/fJ0FYHxA8YRan4IvbNdE122MjRYlutNkijXEqHljwOn50LX77fkPqekte2qXkdo9zCtzKpeOEyAO6jqQvUgetT1zV/fiH4haHZfY7RzcWdw/2l4szR7dvyq3YHPI78Vzt/4z8UN4dPiLTU0eDTWu/s6QXEcskwXzfK3ZVlBbdztxwO+aO3n/AJ2F/X4XO7TVbKTWZdKSbN7DCs7xbG4RiQDnGOoPGc1crzm4fxAvxYu4tFisJLttGg86e6LrFHiRuQi5Y5PQZGO5rpvCGvXeuafdrqkEMF/p93JZ3It2JjZ1wdy55wQRwaFqv672Dr/Xa5JoRA1nxMScAammT/2521a1rd299apc2U8VxBIMpLC4dW7cEcGsbSP+Ql4q/wCwiv8A6RW9Uvhf/wAkz0b/AK5P/wCjGo7/AC/UDrKK4SHxN4t1rT7jW/D1lpQ0qNpPIhu2k8+6VCQWDKdqZwcAg+9XYPGkl5L4Wu7aGNdL1xXSRmBLxTbNyLkHGMqw6du1C1B6f123Ouork9I8Xy3nibW7O9iiisbNWktJkU5kWMlJixzg4bpjsa1fCuo3useGbPUdTijimuk80RxKQFQklOpPO3Gfehaq4PR2NeiiigAooooAKKKKACiiigAooooAKKKKAOd8IXtrbeB/DENxcwxS3GnW6wpJIFaUiFSQoPU49K3Lq7trG1e5vbiK2gjGXlmcIq9uSeBXAX9lLP8ABXQ7+yUG90mws9Qtzj+KONSR+K7hVzxFfxeKX8LaVaHfb6rKl/OP+neIB8H6sVFC1+/+v1+4Hp/X9eX3ncg5GRRXnupfEGZta1G003VPD2nR6fIYMarMfMuJB97AVhsUHjJzyDxU13491G58N+G9R0HT7aS41m6+zNBcSHah2vkhx2DLnODkdsmhaq68vx2B6aP+rHeUVyb65r2japodv4iGnNBqMsltLNZxyARy4zFgsx4YAjBHXvV7SdcudU8VazZxpENP00xwiQA73mK7nGc4wAVGMde9H9f1/XUDeqGK8tp7iaCC4ikmtyBNGjgtGSMgMByMjnmpq84sfEUeh/EPxasmmape+bNbEGwsnnC4hH3ivTrR1t/XQOh6At9aPNcQpdQtLagGdBIC0QIyNw/hyOeadbXVve2sdzZzx3EEgyksThlYeoI4NcH4R1JNT8XeNL0WlxArrbfuL2AxvxCRhkPODj8QafpXii+fwn4Wh0iw061vdZVhGvlsltbBFLNhFOTwOFBHXrR0+78Q/wCD+FjttQv7bS9OuL+/k8q2t4zJK+0ttUDJOBkn8KlgmjubeOeFt0cqh0bGMgjINea6prGv6h4X8cWGvPprf2baNEPsMMi7i0e4HLOex5XHB71csvEXibRrXw9Nq9jpi6VfvBZiKCR2uIWdQEZmPyt05AHGepoWr+78bg9Px/Cx1+t/6rTf+w1pn/pdDXrdeSa3/qtN/wCw1pn/AKXQ163QB5fAiy6fHHIoZGiCsD3BFcl4I8FXvhrUbybULqG4iRPsumrGWJhtvMZ9rZA+bLDpn7orXjtvEjRqbbVtKjhIBjSTS5HZV7AsLgAnHfAz6CnfZPFX/QZ0f/wUS/8AyTQtHcN1Yyl8Pa7ousalN4fGl3VlqM5umiv2dGglIAbBVW3KSM4OP61b1TQNS1J/Dkss9q02m3oubllRo1cbGXCL83dhwT+NWvsnir/oM6P/AOCiX/5Jo+yeKv8AoM6P/wCCiX/5JoWlvK34A9b+f6lP4iwQyeAtRmmmED2aC6gl/uSxkMmPqQB+NT+CNMm0zwpbfbjuvrsteXbYxmWU72/LOPwpt3pHiC/tmt77UNBuYGILRTaLI6nByODcY6jNMv8AQda1W3Fvql34evYVbcI7nQ3kUHpnDXBGeTQtL/1/X/AQPW39f11+86WuKOi+LdM8V61qOhLos1tqbxOBeTSq67IwvRUI9e9J/wAIB/05+D//AAmv/t9bQtPFIGBrOj/+CiX/AOSaPMDJl0LxPY65Lrehy6UbrUbeJNQtLoyCISIuA8bqM45xgjt+V3w54WlsLTVJNcnivb/WZDJetEhWMDbtCKDztA455q19k8Vf9BnR/wDwUS//ACTR9k8Vf9BnR/8AwUS//JNHdAc7p/gbVIfCeoWN5dWsuoMIUsZgzlUW3wYd2RkHcCTgHr3rpvDGkzaPoaQXhja8llkuLl4mJVpHcs2CQCRzgZHQVH9k8Vf9BnR//BRL/wDJNH2TxV/0GdH/APBRL/8AJNO7DyNuisT7J4q/6DOj/wDgol/+SaPsnir/AKDOj/8Agol/+SaQG3RWJ9k8Vf8AQZ0f/wAFEv8A8k0fZPFX/QZ0f/wUS/8AyTQAaD/yGvE3/YTT/wBI7asS58D3UvxFTV4riFdHkkju7i1JO97mNGRWAxjGCCeeop+i23iQ6t4hEWraUrDUUEhbS5CGb7Lb8gfaBgY2jHPIJzzgbH2TxV/0GdH/APBRL/8AJNHW4dLFTXvD+oy+I7TX9BezN5DA1rNb3oYRzxFgw+ZQSpBzjg9aS/0fXNY8Haxp2oNpsN1fQPFBHbB/LiyuPmcjLc9wo+hq59k8Vf8AQZ0f/wAFEv8A8k0fZPFX/QZ0f/wUS/8AyTStpYd9bl+0shHosFjdBZAtusMgHKt8uD+FcP8ACvSpI11HUJrn7VDBIdL0+XH/AC7Qu2Dnvkt/46K6g2nikgg6xo5B6j+yJf8A5JqvFoeuQacbCG88Px2ZUobZNDcRlT1G37RjBycj3qru7l/X9f5k2VlH+v62+46SuV8UaJrl34k0fWPD39ntJp6To8d9I6BvMCjjYp9D6VS/4QD/AKc/B/8A4TP/ANvrVs9H1/TrVLXT7/QbW3TOyGDRZERcnJwBcYHJzS8xmff6F4n1WOw1OaXSrTXdLuHe2ERkkt5Y3QKyOSAwJ9RnGB+E2leH9auvFUWv+Kp7HzrWBoLS1sA5jj3Y3OWcAknGMYAxWj9k8Vf9BnR//BRL/wDJNH2TxV/0GdH/APBRL/8AJNGzuG6/r1M218JXVv45uNRaWA6TI73SQZbeLh41jYkY27doY9c5Y07wb4VvNAuLqTUpYJSsaWlkYWY7LZGYqGyBhvm5xnoOa0Psnir/AKDOj/8Agol/+SaPsnir/oM6P/4KJf8A5JoWgG3WF4NRZfh7oMcihkbS7dWB7gxLTvsnir/oM6P/AOCiX/5JrH8I23iRvBOhm21bSo4Tp1uY0k0uR2VfLXALC4AJx3wM+go3ATwR4KvfDWo3k2oXUNxEifZdNWMsTDbeYz7WyB82WHTP3RUi+Htd0XWNSm8PjS7qy1Gc3TRX7OjQSkANgqrblJGcHH9a1fsnir/oM6P/AOCiX/5Jo+yeKv8AoM6P/wCCiX/5JoAq6poGpak/hyWWe1abTb0XNyyo0auNjLhF+buw4J/Gm/EWCGTwFqM00wgezQXUEv8AcljIZMfUgD8aufZPFX/QZ0f/AMFEv/yTUF3pHiC/tmt77UNBuYGILRTaLI6nByODcY6jNJ6r8f6+4asndjvBGmTaZ4Utvtx3X12WvLtsYzLKd7flnH4V0Fc1f6DrWq24t9Uu/D17CrbhHc6G8ig9M4a4Izyazv8AhAP+nPwf/wCE1/8Ab6pu7JSshTovi3TPFetajoS6LNbam8TgXk0quuyML0VCPXvT5dC8T2OuS63oculG61G3iTULS6MgiEiLgPG6jOOcYI7flrC08UgYGs6P/wCCiX/5Jpfsnir/AKDOj/8Agol/+SaXSwyr4c8LS2FpqkmuTxXt/rMhkvWiQrGBt2hFB52gcc81j6f4G1SHwnqFjeXVrLqDCFLGYM5VFt8GHdkZB3Ak4B6966L7J4q/6DOj/wDgol/+SaPsnir/AKDOj/8Agol/+SaP6+7b7gJPDGkzaPoaQXhja8llkuLl4mJVpHcs2CQCRzgZHQVH4t/5Atv/ANhPT/8A0sho+yeKv+gzo/8A4KJf/kmsfxPbeJF0mAz6tpTr/aNiAE0uRTu+1RbTk3B4BwSO4BGRnIALPijRNcu/Emj6x4e/s9pNPSdHjvpHQN5gUcbFPofSq9/oXifVY7DU5pdKtNd0u4d7YRGSS3ljdArI5IDAn1GcYH4a/wBk8Vf9BnR//BRL/wDJNH2TxV/0GdH/APBRL/8AJNHQDO0rw/rV14qi1/xVPY+dawNBaWtgHMce7G5yzgEk4xjAGKS18JXVv45uNRaWA6TI73SQZbeLh41jYkY27doY9c5Y1pfZPFX/AEGdH/8ABRL/APJNH2TxV/0GdH/8FEv/AMk0AZ/g3wreaBcXUmpSwSlY0tLIwsx2WyMxUNkDDfNzjPQc11dYn2TxV/0GdH/8FEv/AMk0fZPFX/QZ0f8A8FEv/wAk0AbdFYn2TxV/0GdH/wDBRL/8k0fZPFX/AEGdH/8ABRL/APJNAG3RWJ9k8Vf9BnR//BRL/wDJNH2TxV/0GdH/APBRL/8AJNAG3RWJ9k8Vf9BnR/8AwUS//JNH2TxV/wBBnR//AAUS/wDyTQBt0VifZPFX/QZ0f/wUS/8AyTR9k8Vf9BnR/wDwUS//ACTQBt0VifZPFX/QZ0f/AMFEv/yTR9k8Vf8AQZ0f/wAFEv8A8k0AHi3/AJAtv/2E9P8A/SyGtuuM8T23iRdJgM+raU6/2jYgBNLkU7vtUW05NweAcEjuARkZyNj7J4q/6DOj/wDgol/+SaANuisT7J4q/wCgzo//AIKJf/kmj7J4q/6DOj/+CiX/AOSaANuisT7J4q/6DOj/APgol/8Akmj7J4q/6DOj/wDgol/+SaANuisT7J4q/wCgzo//AIKJf/kmj7J4q/6DOj/+CiX/AOSaANuisT7J4q/6DOj/APgol/8Akmj7J4q/6DOj/wDgol/+SaANuisT7J4q/wCgzo//AIKJf/kmj7J4q/6DOj/+CiX/AOSaANuisT7J4q/6DOj/APgol/8Akmj7J4q/6DOj/wDgol/+SaANuisT7J4q/wCgzo//AIKJf/kmj7J4q/6DOj/+CiX/AOSaANusTxb/AMgW3/7Cen/+lkNH2TxV/wBBnR//AAUS/wDyTWP4ntvEi6TAZ9W0p1/tGxACaXIp3faotpybg8A4JHcAjIzkAF7xL4cvr/VLDW/D95DaatYK8a/aELQzxt1RwORyMgj/APVT/wCEe8Ra/qljN4uuNNisrCcXEdnpwdhNKPus7uAcA84A571rfZPFX/QZ0f8A8FEv/wAk0fZPFX/QZ0f/AMFEv/yTQtAeoyPQ7lPiDNrpeL7LJpq2gTJ37xIWzjGMYPr+FHibQ7nWbnRJLV4kGn6lHdy+YSNyKGBC4B5574+tP+yeKv8AoM6P/wCCiX/5Jo+yeKv+gzo//gol/wDkmja3l/ncO/n/AJWNuisT7J4q/wCgzo//AIKJf/kmj7J4q/6DOj/+CiX/AOSaANuisT7J4q/6DOj/APgol/8Akmj7J4q/6DOj/wDgol/+SaANuisT7J4q/wCgzo//AIKJf/kmj7J4q/6DOj/+CiX/AOSaANuisT7J4q/6DOj/APgol/8Akmj7J4q/6DOj/wDgol/+SaANuisT7J4q/wCgzo//AIKJf/kmj7J4q/6DOj/+CiX/AOSaANuisT7J4q/6DOj/APgol/8Akmj7J4q/6DOj/wDgol/+SaADxb/yBbf/ALCen/8ApZDTvFuhHxJ4XvNNjdY53UPbyMSBHKp3I2Rz1A/CsXxPbeJF0mAz6tpTr/aNiAE0uRTu+1RbTk3B4BwSO4BGRnI2Psnir/oM6P8A+CiX/wCSaBrQr+HvDMln4SuNN1ySO4u9QaaS/khJ2yPKTuxkA4wQBx2qjo2jeLNJsrXSvM0WW1tdsaX7pIZmjXpmLAG7HGd/vzWt9k8Vf9BnR/8AwUS//JNH2TxV/wBBnR//AAUS/wDyTT63/rQXSwy30O5i8fXmuM8Rtp7CK2VATvDK7MSRjGMEd65r4naZLe6joaabc/Z77UJJNMkAGS9tIuZD/wABC5/Guo+yeKv+gzo//gol/wDkmoJNI8QTXcN1NqGgyXEAYQzNoshePdwdp+0ZGe+KXbyDub0EEdtbRwQKEiiQIijsAMAU6RS8TqOrKQK5XUPCmoatOs2qt4ZvZVXYslz4faRgvXALXB45NR2fg26066S609PCtrcR52TQeHSjrkYOCJ8jg4ofvbgtNjU8HaLc+HvB1hpN68Tz2yMrtESVJLE8EgHv6VgJ4I1JfhhZeHDPa/bLe4jlZ97eWQs/mHB25zj2610H2TxV/wBBnR//AAUS/wDyTR9k8Vf9BnR//BRL/wDJNO+t/wCtBdLHA6tpS+IviD4hP2vTYxarDC0epSTI5UICVAjlT90c5ywIJJ49dnR4brxfo/h28trexsotG1Rt627HyZY4w0e6HjlSTxnHQ81qah4V1HVplm1VvDN7Ko2q9z4faRgPQFrg1ejsPE0MSxw6toscaAKqLo8oCgdAB9ppR0Q5ag+h3LfEKLXQ8X2VNMa0KZO/eZA2cYxjA9fwp93/AMj9pX/YMvf/AEba0fZPFX/QZ0f/AMFEv/yTWPc23iT/AITbTA2raUZjp14UcaXIFC+ZbbgV+0ZJJ24ORjB4OeDpb+u4dbj/AB54Qv8AxILK40O6hs72ESQSyylgGt5VKuowDz0Iq/4h8LLqnhy10/TpktJtPkimspGTcqPH90EdwRkH61N9k8Vf9BnR/wDwUS//ACTR9k8Vf9BnR/8AwUS//JNHQOo3SYvEZvVfWI9HtoFQgpZGSR5G9dzBdo9sNn1pPCWh3Og6deW948TvPfz3KmIkgLI5YA5A5x1p/wBk8Vf9BnR//BRL/wDJNH2TxV/0GdH/APBRL/8AJNAHJpopuPjRcQwThtOt1j1a5gAyFuijRJ9Mj5/qK9HrnYtI8QQXM9xBqGgxz3BBmlTRZA0uBgbiLjJwPWs6fwPNdXEk9zB4TmmlYu8knhwszsepJM+SaFokv6/rp8g6t/1/XU1fGeh3PiLwvNptk8Uc0ksThpiQuFkVj0BPQelL400S58R+ErvS7F4o55zGVaYkKNsisckAnop7VT07w1quj+Z/ZM3hux83HmfZdBaPfjpnbcDOMn86vfZPFX/QZ0f/AMFEv/yTR/w/9fcHW5DqejXEnjDS9cVo/s2n2lxHKmSZGLhcbRjB+6e4ry3SrZNP8Jx+K2l0G+EEj3Qgu5pvNd9xILASmPzyP9jIOOa9Y+yeKv8AoM6P/wCCiX/5JrMHhC9XUPt6jwuLzfv+0jw83mbv7277RnPvQtP687hp/XpYt6bpV3J4ym8RyqkUF5pkMIgYnzY3DFiGGMfxY69al8MaHc6LPrb3TxONQ1OS7i8sk7UZVADZA5+U9M/Wn/ZPFX/QZ0f/AMFEv/yTR9k8Vf8AQZ0f/wAFEv8A8k0/T+tbi9f60sM0VS+q+KFHVtSUD/wDt6xPCmkeNPDul6fpEsegy2NsdryLPN5pQsSSBsAzgnFTaLbeJDq3iERatpSsNRQSFtLkIZvstvyB9oGBjaMc8gnPOBsfZPFX/QZ0f/wUS/8AyTSGc9b+GfF+i6bPoegX2k/2U7SeRcXKSfaLdHYkjaPlYjJwcj6dq0rvwb5PgSz0PR5UFzppiltJpyQPNjYNlsZIB5zj+9V/7J4q/wCgzo//AIKJf/kmj7J4q/6DOj/+CiX/AOSaOn9dNg63/rXc57U/A2pXHh/SrWyubVLyOKW3v5XZwJI5+ZtpAJzu5GcfhXcxRJBCkUShUjUKqjsBwBWP9k8Vf9BnR/8AwUS//JNH2TxV/wBBnR//AAUS/wDyTQBt0VifZPFX/QZ0f/wUS/8AyTR9k8Vf9BnR/wDwUS//ACTQBt0VifZPFX/QZ0f/AMFEv/yTR9k8Vf8AQZ0f/wAFEv8A8k0AbdFYn2TxV/0GdH/8FEv/AMk0fZPFX/QZ0f8A8FEv/wAk0AbdFYn2TxV/0GdH/wDBRL/8k0fZPFX/AEGdH/8ABRL/APJNAG3RWJ9k8Vf9BnR//BRL/wDJNH2TxV/0GdH/APBRL/8AJNAG3RWJ9k8Vf9BnR/8AwUS//JNH2TxV/wBBnR//AAUS/wDyTQA3waiy/D3QY5FDI2l26sD3BiWsjwR4KvfDWo3k2oXUNxEifZdNWMsTDbeYz7WyB82WHTP3RS+EbbxI3gnQzbatpUcJ063MaSaXI7KvlrgFhcAE474GfQVsfZPFX/QZ0f8A8FEv/wAk0LR3DdWMpfD2u6LrGpTeHxpd1ZajObpor9nRoJSAGwVVtykjODj+tW9U0DUtSfw5LLPatNpt6Lm5ZUaNXGxlwi/N3YcE/jVr7J4q/wCgzo//AIKJf/kmj7J4q/6DOj/+CiX/AOSaFpbyt+APW/n+pT+IsEMngLUZpphA9mguoJf7ksZDJj6kAfjU/gjTJtM8KW3247r67LXl22MZllO9vyzj8Kbd6R4gv7Zre+1DQbmBiC0U2iyOpwcjg3GOozTL/Qda1W3Fvql34evYVbcI7nQ3kUHpnDXBGeTQtL/1/X/AQPW39f11+86WsHRdDudO8UeINSneJodTlheFUJLKEj2ndkYHPoTWP/wgH/Tn4P8A/Ca/+31tC08UgYGs6P8A+CiX/wCSaAIbDw/dWvibxJqMkkJh1VYRAqsdy7Iyp3ccc+ma4XV9BnsrXwX4WvLuyjubeKZme4eQW7MAACrKyOZATwAR1P4+g/ZPFX/QZ0f/AMFEv/yTVW/0LW9VtxBql54fvYQ24R3GhvIufXDXBGaX/A/Af9f19xy2l2c13pviXwTYw6T5rWZkF9ZSSGNpJMriYsXbfxnqxxXT614bvNR0XQbOCSBZNNvbW4lLsQGWL7wXA5PpnH4U+x0PXNLt/s+mXvh+zhzu8q30R41z64FwBVn7J4q/6DOj/wDgol/+Saq+t/T8Nhf8H8dyzrf+q03/ALDWmf8ApdDXrdeH6hb+IEk0tr7U9Mmg/tnTtyQ6bJGx/wBNhxhjOwHOD0OenHWvattz/wA9ov8Av0f/AIqkB49q2vnQLbR3ktfNtbu4itZpvM2/Zy4wrEY5G7A6jGam8T69/wAI7o4u0tvtc8k8dvBb79nmyOwUDODjqT07VD4j0b/hIPAt3pg/1k1r+6PpIACh/wC+gK5TRNWbxzrPhnfyulWhvr5D2ueYlUjsQwkb8qFq7ef4f0n96B6K/wDV/wCn+B6SOnNFeULpd74r8ReIpL3RdP1V7W+e0i+26hJC1tGANuxFjbbkfNuByST6VY13Rr19C8E6R4gvHmuDqYinnt7htzrsk48zAJ+XCk8E80LVLzt+IPS/lf8AA9PorgfEGi2HgttD1rRbZLS10668i5RSSPInO1jknPDFW/OtDwev9q69r3iViGjubj7HaHr+5hypI9mfcaFr/Xp/mgen9f12OurH0rXv7T8Qazpn2byv7LkiTzPMz5u9N2cY4x06mtiuP8Lf8lA8Z/8AXe1/9E0Lf5fqg6HYUVwM2lWPi74kazYeJFN1baZb2/2OyaQiP51JeXaCMnPy57flWTaaXLqXhvxn4d06aSa0027B0tmkMnlOqiTygxycK4A/GlfS79fxHbW3y/C56pRXl97qzazrGk+K7diLfSIrQyADj/STiXP+6pQ+1dP4Ri+2apruvOM/bbw28Jxj9zB+7H5sHNVb9fw/4cm/6HU0UUUhhRRRQBy0V7Ppo8Y3tpafbJre+Ei2/mbPMxZW5xnBwfwrZsdZtb7w7BrSsFtZbYXOSfurt3HP0qnoQB1nxMCMg6mmR/2521efGSay0XVfh9C5juZtUFraeotJsyFh7BRIKWrulv0/L9V9w9N38/6+X4npPhvV5Ne8O2eqy2hszdp5iwl95CE/Kc4HUYPTvWpXnHiu1uL3xtpXh6HT7W806HTjPFZXV00EMrqwXnarb9q4wp45JqG60PUtD+H3jGK7jtrWxltGe0sbe6edbb5DvALKuATggDgc05NWcltr+DBJ3Se+n4nptFefHwBp0nw/m/suKQatdWkU4vJZGkkknQB0Yknru447Gk0nVl8d+J9AuY9v2fTLH7fcoOi3MgKKn1XbIapq0uX+uv8Akyb+7zf1/Wp6FWPf699i8VaTo32bf/aMcz+d5mPL8sA4245zn1GK2K4/Xf8AkqnhT/rhe/8AoC1K3S9fyY+h2FFcZ45H2/XvDehXk0kWmalPL9qVJCnnbI8rESOcMeo74qhaaXZeGPihZaR4eQwWOoafM97YrIzRoVI2SbSTtJ5X3oV3+P4K4PT+vOx6FRXkw0+a/wDC48AiRllt9SmgLYwRBGpmjb/x6IVu6Let4s8S6HeSr8umaZ9pmBX7tzL8mPqAknHbNC1/ryuD0/rzsd5XF6Vr50DwJ4NeS1821u7eztZpvM2/Zy8ShWIxyN2B1GM12lcXb6N/wkHwTsNMH+sm0a38o+kgiUof++gKTdtRpXdjc8T69/wjuji7S2+1zyTx28Fvv2ebI7BQM4OOpPTtWwOnNebaJqzeOdZ8M7+V0q0N9fIe1zzEqkdiGEjflVFdLvfFfiLxFJe6Lp+qva3z2kX23UJIWtowBt2Isbbcj5twOSSfSntp6/ctPzEvPy+/f8j1eivMNd0a9fQvBOkeILx5rg6mIp57e4bc67JOPMwCflwpPBPNaPiDRbDwW2h61otslpa6ddeRcopJHkTnaxyTnhirfnT6/O35f5i6fK/5/wCR31Fcj4PX+1de17xKxDR3Nx9jtD1/cw5UkezPuNddS6Jj6mPpWvf2n4g1nTPs3lf2XJEnmeZnzd6bs4xxjp1NbFcf4W/5KB4z/wCu9r/6JqjNpVj4u+JGs2HiRTdW2mW9v9jsmkIj+dSXl2gjJz8ue35UdvT9A7/11O+oryu00uXUvDfjPw7p00k1ppt2DpbNIZPKdVEnlBjk4VwB+NSXurNrOsaT4rt2It9IitDIAOP9JOJc/wC6pQ+1C1a+X4rQHon8/wAD1CsTxb/yBbf/ALCen/8ApZDVHwjF9s1TXdecZ+23ht4TjH7mD92PzYOaveLf+QLb/wDYT0//ANLIaOgdQ8ReJ4NA+ywC2nvtQvnKWllbgb5SBknJwFUdyelVtN1zxJNqMMOr+E2sreXg3EOoRziM4/iXCnHuM1mapMmnfGTS7rUHWK1u9LktLaR+F8/zAxXJ6Er09elN1W48QaJ440ONvEEl3YapeyxtZvaRKI0CFgA4Xcccc57ULp5/52CXXy/yudzRXnWlaBpfjTW/Ed14pjN9PZ6i9pBDJMyrbQqo2lQCMFupNZEGrX0vw1s7STUrj7JNr39mHUPN/eNaeYQG3++NufShXdvO342/zB6X8r/hf/I9coNecajoWm+DPGHhk+FYjZS3921vc2scrFZ4dhJZlJOSvBz70aXoel+K9a8S6j4kLyXdhqMlvA32l4/sUSKu1kwRtJ+9u9fxpdPv/T/MNv69f8jqfBeuXPiPwrb6lepFHNJJKpWEELhZGUdST0Ud63q434TgD4baeEcyKJJ8OTksPOfnPeuyqpaMOrCiiikAUUUUAFFFFABRRRQBieLf+QLb/wDYT0//ANLIa26xPFv/ACBbf/sJ6f8A+lkNbdABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVieLf8AkC2//YT0/wD9LIa26xPFv/IFt/8AsJ6f/wClkNACeI/E8ehPaWkFpNqOp3zMtrZQEBpNoyWLHhVHGSazoPGV/aataWXirQH0hb6QQ21zHdrcRNIeiMQAVJ7cc1V1KRLP406TNeMFiu9Klt7YtwPNEgYgH1K9qd8S3S403SdLiYG9vdUt/IjH3sK4Zmx1wAOT70R6eb/W3/BB9fJfpct6v4q1W28VnQtE0GPUpVs1u3eS+EGFLlcYKHPI9e9Jq/irVtH0jTJZ9AjbUtQvBaLZC/G1CQxB8zZg/d9O9ZGqWeq3nxgmTRNVj0yVdFjLySWgn3L5zcYLDHPel8b2mqLp/hW2l1SN9S/tmIC+FqAoYq+G8vdjjjjPOKFsvN/rYHu/Jfpc6rRL/W71pv7c0SLSwoHlmO9Fx5nXPRRjHH51r1laJY6zZLMNc1mLVCxHlmOzFv5fXPRjnPH5Vq02IKKKKQwooooAKKKKACiiigAooooAxPFv/IFt/wDsJ6f/AOlkNOXXyvjRtAuLXyt9n9qt7jzMiYBtrrtxwRkHqcg03xb/AMgW3/7Cen/+lkNY/wAQkbT10jxNCpLaPeK0xA5+zyfJJ/MH8KOqDozbu9e+z+LNP0KC286S6hluJpPMx5EaYAOMHOWIHatiuC024nu5/Fvi2zAmdYns9OxzlYFbJHqGkz+Vc5pXhfVtU8Oafq2mWGmw6lMI7oa22qytOzEgsXHl8g8gpnA6dqFrb5fjt+AP+vlv+J7BRXnd/wCHdP8AEfxdvrfWY3uLaPSYHNv5rLG7eY4BYAjOOcemadf6hB4A8XapMwVNP1PTmu4k/wCniBdrKPdlKn3IpX0u/P8AC/8AkPrZeX42/wAz0Kmu2yNmxnaCcVheCdIl0XwjZ293zeSg3F03dpZDvbP4nH4Vtz/8e8n+4f5UTvFMUbOxm+GNd/4STwxZ6v8AZ/s32lC3lb9+3DEdcDPT0qjpXii+1vwdZ63pmjefNcybTafalXYokKs28gA4AzjHPSuU8A6T4puPAWmS6d4ot7O1aNvLgbS1lKDe3G4uM/lWfDkfs/6Vk5P22HJ/7e6tr3mvNfixfZv/AFsev1g+I9cudI1HQre2SJk1G/FtKZASVXYzZXBHOVHXNcd4i/s7UfHGt2+v6PqGvW8FrDHaxWkEkq27spLLheEdsqd/p3GKp3Phc2HhXwLo19E1jNJqam6Fq/lvuMb5+Ze+AASPepWtvVfmN6X9H+R63WJd/wDI/aV/2DL3/wBG2tc9o2k2fhn4qPpmiRta2N3pJuZbcSMyGVZQofBJ5wcGuhu/+R+0r/sGXv8A6NtaOif9dg62HeHdfOupfpPa/Y7qwvHtZofM34IwVYHA4ZSD0pdI17+19Y1e0htttvpsy2/2jzM+bJt3ONuONuQOpzntXL61qMfgr4g3Wq3Hy2Or6azv6G4gBIH1KHHvis3UrbUtB+FumW+dt3q2oRtqMnnGL/XuWYFwCVBO1CQOlJbL5L53t+j/AAG9H+Pytf8A4B6lRXA+H/CupaR4qs7y00zTdEshE8d3BZ30kouePkJQxqNyn+LrgmqvgLwrpOof2jq2oQNdXcerXiRGWRisK+YwKqucAHJzxzmn/l+thHpFFeS+dOnhub4eCX/TP7UGnRnPzfY2/fb/AKeWCterxRJBCkUShUjUKqjsBwBRur/13/UOtjK8U69/wjXh+XU/s32ny5I08vzNmd7hc5wemc9KXxVr3/CM+G7nVvs32nyCg8rzNm7c6r1wf72elYvxVDH4eXgRtrGa3wxGcHzk5xWB8QNJ8T23gi9l1PxPBfWqtF5lumlrEX/epj5g5xzg9O1C1+//ACH1PQ5Lq+XWLa3i07zLKSJmlvPPUeUw+6uzq2fUdKu1x2q/8lX8Nf8AXhd/+yVwS6Ta+KtCiH9gX2o69c6gZP7WmgcwNEJj8/mN8vl+WNoTr7d6Frb+utie/wDXS56hb65cy+PrzQ2SIW0FhFcq4B3lmdlIJzjGAO1b1ec3HhnTNZ+LF3ZX8LvZW+jQBbVJGSNh5jABgpGQMcA8VqfDhfstnremRvI1rp2rTW1qjuWMcQCkKCecDJoWq+/87De/3flc1tDYLrHidmIAGpoST2/0O2rIi8bavq0b3fhbwtJqemqxVLuW9S38/BwTGpBJHHBOM1O0E11aeOYLXInluGSPAydxsIAP1qX4dXltd/DrRmtXUrFapFIAfuOowwPocg0lrfyt+v8AkHYfB40tbzwbqGvWlvJu09JfPs5jskjkjGWjbrg+/PWmaFr/AIj1WS0lu/DMFnYXKCT7QNTEhVSuQdmwE547965W3ZLzwr8RtUtW32V5LOIHX7smyHazA9wTnnviui8Hab4hh03Sri98Qw3Nh9kjItF04RsAYxtHmbyeOOcc4prXV9l+KYS0083+FiG08Y+ItUnvv7H8KQ3NvaXktp5r6qIyzIcE7THxXaKSVBYYOORnOK808H6b4hum1uXSfEMOn2o1u6BgfTxMSd/J3Fx1+lemUL4V6L8gfxP1f5hRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHF6Vr50DwJ4NeS1821u7eztZpvM2/Zy8ShWIxyN2B1GM1ueJ9e/wCEd0cXaW32ueSeO3gt9+zzZHYKBnBx1J6dqw7fRv8AhIPgnYaYP9ZNo1v5R9JBEpQ/99AVlaJqzeOdZ8M7+V0q0N9fIe1zzEqkdiGEjflQtXbz/D+k/vQPRX/q/wDT/A9JHTmivKF0u98V+IvEUl7oun6q9rfPaRfbdQkha2jAG3YixttyPm3A5JJ9Ksa7o16+heCdI8QXjzXB1MRTz29w2512SceZgE/LhSeCeaFql52/EHpfyv8Agen0VwPiDRbDwW2h61otslpa6ddeRcopJHkTnaxyTnhirfnWh4PX+1de17xKxDR3Nx9jtD1/cw5UkezPuNC1/r0/zQPT+v67HXVj6Vr39p+INZ0z7N5X9lyRJ5nmZ83em7OMcY6dTWxXnFjYa5e/EPxadD1yLS1Wa28xZLEXG8+SMHJYYxQt/l/kHQ6yy8QPfa/rmlxWfz6UItreb/rzIm4DGPl9OprR0y4u7rTIJ9RsvsF065ltvNEvlH03Dg/UVw/hSC9tvFfjWLVL1b66VLbfcJAIQ/7k4+UE4wMDr2rBtJoj4H8BWd7Bc31hMsj3VhaoztOqqcEqv3lViCV78cHFHT7vxuD3+/8ACx6X4o1SbRPCmp6narG81pbPNGsgJUlRkZwQcfjVzTrh7vS7W5kCh5oUkYL0BKg8V5Ynh6203wZ461Kz0V9KtLu3cWcdxHsmEYj+bIPKqXGQp6elWbzw5YeHLHwnrOl/aE1Oa+tIJ7p7h3eeOQYZWycEe3QY4pre3+H8bg/8/wALHoOt/wCq03/sNaZ/6XQ163Xkmt/6rTf+w1pn/pdDXrdIDzG0/wCPOH/rmv8AKqOk+HdK0O5vrjSrNbeW/l865YMx8x+TnknHU8DA5rL0jwj4budEsZ7nw9pU00tvG8kkllGzOxUEkkrkknvVz/hCvC3/AELWj/8AgBF/8TQu4ovmSYal4O0LVtQa+vLJhdOoSSWCeSFpAOgfYw3enOast4e0potPiFlGkemSCW0SMlFiYAjIAIB4J4OetVv+EK8Lf9C1o/8A4ARf/E0f8IV4W/6FrR//AAAi/wDiaNh7ieM7S81DwZqdlptmLy5uoGhjiZ1UZbjdkkDjOfwp9lanwv4YsLDTtOuL4WsaQ+VamNW4HLnzHUcnrznJpv8AwhXhb/oWtH/8AIv/AImj/hCvC3/QtaP/AOAEX/xNAB/b2o/9CnrH/f2z/wDj9VtQ8A+HNV1OfUb2xmN1cEGV0vJo9xAAHCuB0FWf+EK8Lf8AQtaP/wCAEX/xNH/CFeFv+ha0f/wAi/8AiaAI9Q8D+HdVitEvtP8AMNnEIYJVnkSRUAwFMisGI+pPetPStIsNE09LHSbSO1to/uxxjAz3J9T7mqH/AAhXhb/oWtH/APACL/4mj/hCvC3/AELWj/8AgBF/8TQA628JaHaaRe6Xb2CpZX7M1xFvY7ywweScjgcYIx2xWhp+n22lafDY2EflW8C7Y03FsD6kkn6ms3/hCvC3/QtaP/4ARf8AxNH/AAhXhb/oWtH/APACL/4mgDborE/4Qrwt/wBC1o//AIARf/E0f8IV4W/6FrR//ACL/wCJoA26KxP+EK8Lf9C1o/8A4ARf/E0f8IV4W/6FrR//AAAi/wDiaADQf+Q14m/7Caf+kdtViTw7pU3iOLXpLNW1OGIwx3G5sqnPGM47nnGea5/RfCPhuXVvEKS+HtKdYdRRI1ayjIRfstu2B8vAyzHHqSe9bH/CFeFv+ha0f/wAi/8AiaALOs+HtL19IV1W0ExgbdDIrtHJGe+11IYZ74PNQw+FNFt9Hu9MisgLW9UrchpHZ5sjB3SE7iccZzTP+EK8Lf8AQtaP/wCAEX/xNH/CFeFv+ha0f/wAi/8AiaPIDXhhS2tkhgTEcSBEXOcADAHNcr4H0K48P6NqV5d6d5OoaheTXklpE6MygsdkYbO08e+Mselaf/CFeFv+ha0f/wAAIv8A4mj/AIQrwt/0LWj/APgBF/8AE0dbh0sH9vaj/wBCnrH/AH9s/wD4/UeoeG9L8XQ2l1r+lXMM8AcRxyXJjkiyecmGQg5wD1NSf8IV4W/6FrR//ACL/wCJo/4Qrwt/0LWj/wDgBF/8TQBGPA/h4aHJpD6f5tlJL5xjmnkkIfGNyszFlOB2I7+pqxonhXRfDjTPo9isEk2PMlZ2kkcDoC7ktj2zUf8AwhXhb/oWtH/8AIv/AImj/hCvC3/QtaP/AOAEX/xNAFpNB0yPxBJraWoGoyxCF59zcpxxjOOw5xnijSdA0zQ2um0u2+zm7lM02HZtznqeScDk8DAqr/whXhb/AKFrR/8AwAi/+Jo/4Qrwt/0LWj/+AEX/AMTQBt1ieCv+RB8P/wDYMtv/AEUtH/CFeFv+ha0f/wAAIv8A4msfwj4R8N3PgnQ57nw9pU00unW7ySSWUbM7GNSSSVyST3oA6DSfDulaHc31xpVmtvLfy+dcsGY+Y/JzyTjqeBgc1X1LwdoWrag19eWTC6dQkksE8kLSAdA+xhu9Oc0f8IV4W/6FrR//AAAi/wDiaP8AhCvC3/QtaP8A+AEX/wATQBZbw9pTRafELKNI9MkEtokZKLEwBGQAQDwTwc9aq+M7S81DwZqdlptmLy5uoGhjiZ1UZbjdkkDjOfwpf+EK8Lf9C1o//gBF/wDE0f8ACFeFv+ha0f8A8AIv/iaT1VmNOzuh1lanwv4YsLDTtOuL4WsaQ+VamNW4HLnzHUcnrznJpv8Ab2o/9CnrH/f2z/8Aj9H/AAhXhb/oWtH/APACL/4mj/hCvC3/AELWj/8AgBF/8TVNtu7JSsrIrah4B8Oarqc+o3tjMbq4IMrpeTR7iAAOFcDoKl1DwP4d1WK0S+0/zDZxCGCVZ5EkVAMBTIrBiPqT3qT/AIQrwt/0LWj/APgBF/8AE0f8IV4W/wCha0f/AMAIv/iaXSwy/pWkWGiaeljpNpHa20f3Y4xgZ7k+p9zVK28JaHaaRe6Xb2CpZX7M1xFvY7ywweScjgcYIx2xTf8AhCvC3/QtaP8A+AEX/wATR/whXhb/AKFrR/8AwAi/+Jo3DbY0tP0+20rT4bGwj8q3gXbGm4tgfUkk/U1leMJEi0S3Mjqg/tKxOWOOFuomY/gqkn0AJ7U//hCvC3/QtaP/AOAEX/xNUb7wxoFjq2gGy0PTbczavbwy+TaRp5iFjlGwOVOBkHik31M6kuSN0XdVm8Ma5YNZavc6bd27HJjlnQgH1HPB9xzWXpOgeA9E1BL7TjYLdRjbHLLfGVox/s73O38K6r7Dp3/QH0r/AMF0H/xFH2HTv+gPpX/gug/+Io1Wov3r00OW1fQ/Auu37XuptYSXLqEeRL0xGQDs+xxu445zxxWjI3hSXRDo8k2lHTvL8v7L5qbAvYYz6859ea2PsOnf9AfSv/BdB/8AEUfYdO/6A+lf+C6D/wCIpa2sH7299DmdF0jwR4fvDd6VJYRXGzYJZL3zWVfRS7EqPYYpupaL4E1fVjqWo/2bNdMAHY3YCyY6b1DBXx/tA11H2HTv+gPpX/gug/8AiKPsOnf9AfSv/BdB/wDEU9Q/e+RlaXceG9F09LHTL6xgtkZmWMXQOCzFj1YnqTVz+3dI/wCgrZf+BCf41Z+w6d/0B9K/8F0H/wARR9h07/oD6V/4LoP/AIijUP3vkVv7d0j/AKCtl/4EJ/jR/bukf9BWy/8AAhP8as/YdO/6A+lf+C6D/wCIo+w6d/0B9K/8F0H/AMRRqH73yK39u6R/0FbL/wACE/xo/t3SP+grZf8AgQn+NWfsOnf9AfSv/BdB/wDEUfYdO/6A+lf+C6D/AOIo1D975Fb+3dI/6Ctl/wCBCf40f27pH/QVsv8AwIT/ABqz9h07/oD6V/4LoP8A4ij7Dp3/AEB9K/8ABdB/8RRqH73yK39u6R/0FbL/AMCE/wAaP7d0j/oK2X/gQn+NWfsOnf8AQH0r/wAF0H/xFH2HTv8AoD6V/wCC6D/4ijUP3vkc94n1fTbjSYEg1C1lYajYuVSZSQq3UTMeD0ABJPYAmunrD8WWFgPBWrSx6Zp8MsUUbJJDZxRsp8+McMqg9CR+NL/whXhb/oWtH/8AACL/AOJoV7hCUuZxl5fr/kbdFYn/AAhXhb/oWtH/APACL/4mj/hCvC3/AELWj/8AgBF/8TTNTborE/4Qrwt/0LWj/wDgBF/8TR/whXhb/oWtH/8AACL/AOJoA26KxP8AhCvC3/QtaP8A+AEX/wATR/whXhb/AKFrR/8AwAi/+JoA26KxP+EK8Lf9C1o//gBF/wDE0f8ACFeFv+ha0f8A8AIv/iaANuisT/hCvC3/AELWj/8AgBF/8TR/whXhb/oWtH/8AIv/AImgDborE/4Qrwt/0LWj/wDgBF/8TR/whXhb/oWtH/8AACL/AOJoA26KxP8AhCvC3/QtaP8A+AEX/wATR/whXhb/AKFrR/8AwAi/+JoA26xPFv8AyBbf/sJ6f/6WQ0f8IV4W/wCha0f/AMAIv/iax/E/hHw3b6TA8Hh7SomOo2KFksowSrXUSsOF6EEgjuCRQB0msaHpniCx+x6zZRXkG7cEkH3T6gjkH3FUtG8GeH9Au2utL05Y7ll2+fJI8sgHoGckgewpf+EK8Lf9C1o//gBF/wDE0f8ACFeFv+ha0f8A8AIv/iaNg3L66VZLrT6ssOL54BbtLvbmMNuC4zjr3xmi/wBKstTktHvofNaznW4gO9l2SAEBuDz1PB4qh/whXhb/AKFrR/8AwAi/+Jo/4Qrwt/0LWj/+AEX/AMTQBt0Vif8ACFeFv+ha0f8A8AIv/iaP+EK8Lf8AQtaP/wCAEX/xNAG3RWJ/whXhb/oWtH/8AIv/AImj/hCvC3/QtaP/AOAEX/xNAG3RWJ/whXhb/oWtH/8AACL/AOJo/wCEK8Lf9C1o/wD4ARf/ABNAG3RWJ/whXhb/AKFrR/8AwAi/+Jo/4Qrwt/0LWj/+AEX/AMTQBt0Vif8ACFeFv+ha0f8A8AIv/iaP+EK8Lf8AQtaP/wCAEX/xNAG3RWJ/whXhb/oWtH/8AIv/AImj/hCvC3/QtaP/AOAEX/xNAB4t/wCQLb/9hPT/AP0shrUvrK31LT57K+iEttcRtHLGSRuUjBGRzXJ+J/CPhu30mB4PD2lRMdRsULJZRglWuolYcL0IJBHcEitj/hCvC3/QtaP/AOAEX/xNG4bF/StKstE0uHTtLgEFpAu2OMMTgZz1JJPJ71kx+AvDUN158WmKoEnmiATSeQHznPk7tnXn7tT/APCFeFv+ha0f/wAAIv8A4mj/AIQrwt/0LWj/APgBF/8AE0dbh0sX00qyj1mXVUhxezQrA8u9uUUkgYzjqTzjNYHjLw/N4k1Pw/bGyWaxtr37VdTsy/IEU7U2k5O4kDgHpWh/whXhb/oWtH/8AIv/AImj/hCvC3/QtaP/AOAEX/xNHbyDv5lrUNSurKdY7bRL/UFK5Mls8AVT6HzJVOfwxz1qO11W8vLhYLjw7qVpG4IaaeS2KLx32TM3twD1qH/hCvC3/QtaP/4ARf8AxNH/AAhXhb/oWtH/APACL/4mgDQ0vS7PRtLh07TYfJtYAVjj3FtoJJ6kk9SapDwroy+H4tEFn/xLoXEiQ+a/DB94O7Ofvc9aZ/whXhb/AKFrR/8AwAi/+Jo/4Qrwt/0LWj/+AEX/AMTR1uHkcpq3hi4fxhquoan4Ri8Rx3YT7LPHPFGYFVcbCrlcHOTvBJ6emK2vC/hI2ug2MWvp5lxZ3j3dpELh5BZ5yEjDZBfapxzkc/StH/hCvC3/AELWj/8AgBF/8TR/whXhb/oWtH/8AIv/AImhaKwPUvnSrJtaXVzD/pywG2Eu9uIy24rjOOoznGaoXf8AyP2lf9gy9/8ARtrR/wAIV4W/6FrR/wDwAi/+JrHufCPhtfG2mQL4e0oQvp147xiyj2syyWwUkbcEgM2D2yfWgDoNb8O6V4jt4YNas1uooJhNGpZl2uMgHgjPU8dKtX+n2mqWEtlqNvHc20y7XikXKsP88+1Zv/CFeFv+ha0f/wAAIv8A4mj/AIQrwt/0LWj/APgBF/8AE0dLB1uO0rwloui3QubC0YTqmxJJp5JmjXuFLsdo9hirum6VZaRBLDp0PkxyzPO43s2Xc5Y8k9T26VQ/4Qrwt/0LWj/+AEX/AMTR/wAIV4W/6FrR/wDwAi/+JoAz7bw/NP8AFK98QXdksUMFlHa2ku5SZiSS74ByMZ28471pz61fw3EkcfhnVZ1RiBLHLahXHqN0wOD7gH2pn/CFeFv+ha0f/wAAIv8A4mj/AIQrwt/0LWj/APgBF/8AE0dLB1uK8MfijT5rHXNDvLW33I2y6lj/AHhDbhgwyMeCB1x+PNXtV0qy1vTZbDU4fPtZSpePeVzhgw5BB6gVQ/4Qrwt/0LWj/wDgBF/8TR/whXhb/oWtH/8AACL/AOJoAuXWkWtzqEOo+WBf20MkVvMWbEYcDPy5weg6+leYReB79PD7ab/whkKa0zMP7cS+jRA5JPnAqRIADzsC9sV6H/whXhb/AKFrR/8AwAi/+Jo/4Qrwt/0LWj/+AEX/AMTQMtWOi21peLqDgzai1rHbTXTMcyqvP3c4HJJ6d6lsNKstLe7axh8o3k7XM53s2+RgAW5Jx0HA4qh/whXhb/oWtH/8AIv/AImj/hCvC3/QtaP/AOAEX/xNO+tyUrKwaD/yGvE3/YTT/wBI7aql98O/Cuo30t5daQnnTtumMUskaynrllVgG/EVS0Xwj4bl1bxCkvh7SnWHUUSNWsoyEX7LbtgfLwMsxx6knvWx/wAIV4W/6FrR/wDwAi/+JpDLz6Pp76K+kfZI0094jCbeIbF2EYIG3GOvarFtbxWdpDbW67IYUWONck4UDAGT7Csn/hCvC3/QtaP/AOAEX/xNH/CFeFv+ha0f/wAAIv8A4mgC/p2lWWkxzpp8PkrcTvcSjezbpHOWbknGfQcVcrE/4Qrwt/0LWj/+AEX/AMTR/wAIV4W/6FrR/wDwAi/+JoA26KxP+EK8Lf8AQtaP/wCAEX/xNH/CFeFv+ha0f/wAi/8AiaANuisT/hCvC3/QtaP/AOAEX/xNH/CFeFv+ha0f/wAAIv8A4mgDborE/wCEK8Lf9C1o/wD4ARf/ABNH/CFeFv8AoWtH/wDACL/4mgDborE/4Qrwt/0LWj/+AEX/AMTR/wAIV4W/6FrR/wDwAi/+JoA26KxP+EK8Lf8AQtaP/wCAEX/xNH/CFeFv+ha0f/wAi/8AiaANuisT/hCvC3/QtaP/AOAEX/xNH/CFeFv+ha0f/wAAIv8A4mgA8Ff8iD4f/wCwZbf+ilqxpPh3StDub640qzW3lv5fOuWDMfMfk55Jx1PAwOa5/wAI+EfDdz4J0Oe58PaVNNLp1u8kkllGzOxjUkklckk962P+EK8Lf9C1o/8A4ARf/E0AGpeDtC1bUGvryyYXTqEklgnkhaQDoH2MN3pzmrLeHtKaLT4hZRpHpkgltEjJRYmAIyACAeCeDnrVb/hCvC3/AELWj/8AgBF/8TR/whXhb/oWtH/8AIv/AImjYNxPGdpeah4M1Oy02zF5c3UDQxxM6qMtxuySBxnP4U+ytT4X8MWFhp2nXF8LWNIfKtTGrcDlz5jqOT15zk03/hCvC3/QtaP/AOAEX/xNH/CFeFv+ha0f/wAAIv8A4mgA/t7Uf+hT1j/v7Z//AB+r9ppVlZX95fW0Hl3N8yNcPvJ3lV2rwTgYHpVD/hCvC3/QtaP/AOAEX/xNH/CFeFv+ha0f/wAAIv8A4mgC7Do9hBf317FBtuNQCC5fex8zau1eM4GBxxiuP8S+DgsmgxadoMWr6LpiyIdMMyq6lsbXDSH5gOflLDqDzjjo/wDhCvC3/QtaP/4ARf8AxNH/AAhXhb/oWtH/APACL/4mgDnvDnhBmu9Y+3aR/ZGi6hbrb/2QLrfvOTukOwlUyCAAprrbrQ9OvbWztrq33w2Usc1uu9hseP7hyDzj3z71T/4Qrwt/0LWj/wDgBF/8TR/whXhb/oWtH/8AACL/AOJp3As63/qtN/7DWmf+l0Net14fqHhbw/YSaXcWOhaZbTprOnBZYbONGXN7CDggZ5BI/Gvavsdt/wA+8X/fApAeB+Ibi70vwJomuWU9wg0sW09zDE5AngKhZFYdDwcjPTFXfGmozT2Ok6XpF1JDca1dxxpNA5V0hHzyOpHI+UfrWrY2UWo+C7ayuV3Q3FgkTj1DRgH+dcf4A0vV5NZRvENnPEPD1qdOtJJkKiclyDKueo2Kgz7mlHt8/wCvuX3kR+BPyt/l+v3HSX/jK2s9QubOz0zU9VezA+1NYQB1hOM7SWYZbBzhcmm6l480bTdG0zVCbi5tNUkEVs1tCXYsVJAK9ckjbjGc1yn9jR6R4i1tdasPEU8d5ePd2txpU1wY3VwCUZYmwrA5GWAyMc1p3ujG3tvBcOlaTd21tbamJZIHzK9upSQkuwLY5brnvTjql52/Hct6N26X/wCAbtn4vgudQ06yudM1LTp9RWUwreRKnMfJU4Y8kcjsR3q9ba5bXfiG90eBJWnsY45J5MDy1L5KrnOd2Bnp0IrH+IVnI/hkapaKDd6NMmoRdsiM5dc+6bh+VL4AtpH0ObWruMx3et3DXrqxyVRuIl/BAv50LX5f0v1+4Hp8/wCn+n3nU1yvhu8uZ/HHi2Ce4lkht5rYQxu5KxgxZIUHgZPPFdVXn1tq0vhzx34nlutE1q5hvZbdoZbPT5JkYLEAfmAx1oW/y/VB0Oi1nxhZ6RqaabFZX+qX5j81rbT4RI0adAzZIABPHXNQf8J5pJ8Mz64qXXkWswguoGi2zW77gpDqxGMbgTz09ax0v7vQPGGo63Loeq3dhrlvbyRta2pklt3RCDHJH95eufrn3xJ4f8PXOr2Pim51myksI/EMh8u0mxvjjEewMwHRj1x2xS1Sf9ddv69R6XX9dNzo77xLY6f4i03RpxKbnUQ5iZQCi7Rn5jnjODjg5wams9at77WtQ0yCOXzNPEfnSEDYS43BQc5yB147ivPrXT9Z1Dw9c6vf6ddJqmlLaR28TQkPKbY75CgPUOWYAjrxXY+DLOWLSJ768hkhutTupbuWOVCjoGbCKQeQQgUYqv6/y/D8idf6/E6GiiikMKKKKAOWjspdSXxlZ21zNazTXoWOeFyjxt9it8EEcjnFV9L8Yf8AFrG1+9z9ps7Z0uFbr58fykfiw/WtbQf+Q14m/wCwmn/pHbVxd34e1EeOp9ASymfQNSv49WmuBGfKTaCXiLdMtIiHHoaVru3f+vyu/kPZX7f1+djoNO1h/DHhvRtP1X+0NW1q6h8xoIR5szMfmcksQAqlsZJA6AVdi8a6dJoWqak9veQNpKsbyzmiCzxYG7GM4ORyCDg+tYfjHR3HjSy1q4tNUu9Oaya0mGlSyLLA+/crFY2DMpyQcZxgVFcaRbSeA/FD6Jo+sRT3tq0YN+0kk10QhC7UdmcYzgAgE+lEneLl6/mCWqXp/wAE1l+ImntpMuqnS9XTTY/LIu5LYIkiO23euWBKgkZ4zjkA1t6hrttp2p6ZYSJLLcalIyQrEAcBV3MzZIwoHpnqKiTS49S8Gx6XfxkJPYrBKjLyuUweOxFcd8Oo7/VtXe81mMiTw/bf2PExOQ8qsfNcfUCMfnVtLma7f1/l95Cfup/1/W/3HpFcrrN5cxfErwzaxXEqW80N2ZYlchJCqLgsOhx2zXVVxPi+efTvHXhzVV03UL62torpZfsNq0xQsqhchRx/9apXxL5/kyuh0Wv+IbLw7ZxzXomkeaQRW9vbxl5Z3PRUXuf0qno/jGz1bUJtPey1DTtQii88Wl9AI5JI843LgkEZ461g6xf3ep32h+J9P0PVZIdIuJo7izmtTFcMkkYHmJG2N2D6e/vUtib3xP8AEKx1tNKvtN0/TLSWLffxeTJcSSY4CHnaAM5PehJ3t/W2gPa/9bmnN480qDwTH4neK6NnIQoiVFMwbcVIK7sZBBzz0BrUutdtbbVdN0/ZJLNqQdojEAVVUXcWbnpyBxnkiuNtdAuW8W3Gg3FjMdFju59SSYxHymEse3yw3QkO8hx7CrPgWx1CXUjc6xazwPpNkmlwGeIp5u1jvkXPUMFj5FC1/ry/z0B6bf1r/lqd3XnV1cXel/CjwtrllPcINLtrOe5hicgTwGNVkVh0PByM9MV6LXOeGbKLUfhfo9lcruhuNHgiceoaFQf50nfdDVr2ZW8aajNPY6TpekXUkNxrV3HGk0DlXSEfPI6kcj5R+tWb/wAZW1nqFzZ2emanqr2YH2prCAOsJxnaSzDLYOcLk1zfgDS9Xk1lG8Q2c8Q8PWp060kmQqJyXIMq56jYqDPuarf2NHpHiLW11qw8RTx3l493a3GlTXBjdXAJRlibCsDkZYDIxzTfl5v8rfhqJefTT/P/ACOr1Lx5o2m6NpmqE3FzaapIIrZraEuxYqSAV65JG3GM5qWz8XwXOoadZXOmalp0+orKYVvIlTmPkqcMeSOR2I71hXujG3tvBcOlaTd21tbamJZIHzK9upSQkuwLY5brnvWn8QrOR/DI1S0UG70aZNQi7ZEZy65903D8qbsrt7X/AA0BXei3t+OpsW2uW134hvdHgSVp7GOOSeTA8tS+Sq5zndgZ6dCK0q5bwBbSPoc2tXcZju9buGvXVjkqjcRL+CBfzrqaLNaMSd9Ucr4bvLmfxx4tgnuJZIbea2EMbuSsYMWSFB4GTzxVvWfGFnpGpppsVlf6pfmPzWttPhEjRp0DNkgAE8dc1zttq0vhzx34nlutE1q5hvZbdoZbPT5JkYLEAfmAx1p6X93oHjDUdbl0PVbuw1y3t5I2tbUyS27ohBjkj+8vXP1z74novRfkV3/rqbH/AAnmknwzPripdeRazCC6gaLbNbvuCkOrEYxuBPPT1q/feJbHT/EWm6NOJTc6iHMTKAUXaM/Mc8ZwccHODXOeH/D1zq9j4pudZspLCPxDIfLtJsb44xHsDMB0Y9cdsVj2un6zqHh651e/066TVNKW0jt4mhIeU2x3yFAeocswBHXin118r/r9zF008/8Agfeeg2etW99rWoaZBHL5mniPzpCBsJcbgoOc5A68dxUesf8AIV8N/wDYctf/AEI1T8GWcsWkT315DJDdandS3cscqFHQM2EUg8ghAoxVzWP+Qr4b/wCw5a/+hGlLYxrfAzG8Q6q2n/ETw1HNfG1s5YbszK02yNyFXbuGcHBPGaj1TXEuPiH4XttM1RZYJBd/aIre43K+IwV3AHBwc4zR4n0RNY+IHhv7bpi31hFDded5tv5kSEqu3dkEA5HGahvvDFnpvxE8MXOh6JBaQILr7TLZ2gRVzGAu8qMdc4z7049L+f6mz6/10L9nrmmadeeJ7m5vtQ8vT5la6+1vvjhzGCBCo5C4I465pLXx1Hc69aaS/h/WrWe7QyRPcQxohQYy2fMzxkZGMjPSuW8RW1xa6R8QZLi1kSO7ubcQNIpXzfkjXMZONzA9AOrACrWj3lwvjDS7nxg+rLc7GtdNNzp8cEO9wN24xyP+8YLjnaODxRHVr0X5A9n6v8yt4U8aWegaXrCTafql2kGrXb3M1pal47dTITlmJA6cnGSBXpttcxXlrFc2ziSGZBJG46MpGQfyridB0+9h8AeJLea0njnmutQaKJomDSBi20gYyc9sda6LwhBLbeCdFguYnhmjsIUeORSrIwQAgg8g0R+H0Ufy/wCAD3+b/M2aKKKACiiigAooooAKKKKACiiigDK8Wf8AIi61/wBcYv8A0oirVrK8Wf8AIi61/wBcYv8A0oirVpdTJfxX6L9QooopmoUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVieLf+QLb/APYT0/8A9LIa26xPFv8AyBbf/sJ6f/6WQ0AZXia+1HUvFun+FdKvpNOWa2e8vbqDHmrEDtCoSCFJY9e2OKz9Ytb7wFNYarZa3qd/YSXcVte2mo3Bn+RztDoxGVYEjjODV7xPaajpfjHTvFWm6fNqUUVs9le21tgzeWTuVkBI3YYdP8inqdzfePLnT9OtNE1Gw02G7jub261KDyMhDuEaIfmYk4yegxRHp66/f/l/Vwl19NPu/wA/6sR68I7/AOJ8lhqPiC/0qyTSkmRbbUWtlaTzWHY4Jx/Kk8WRx2GheHLOy8QagLO41VIpr4ai3mPGwcnMueQD+AxV678PW+rfFaafVtHivbFdIRY5Lq1EkQk808AsCN2D9cUeMvD8E0PhrT7HSI5NPh1eNpraG2BiSPa+4soGAuTznjmhbR9f/bge8vT/ANtNfwzpthYm4bTtdvdW37Q/2nUTdCPrjGSduf1xW9VLTtG0vRxINJ02zsRJjeLaBY9+OmdoGetXabEFFFFIYUUUUAFFFFABRRRQAUUUUAYni3/kC2//AGE9P/8ASyGs7ULy40b4l6cZrmdtO1m3a2ETSExxXCfMpA6DcuRx1IFaPi3/AJAtv/2E9P8A/SyGqnj/AEq41Lws82nIz6hp0qX1oqLlmkjOdoA6kjIx70tmmO11Yinvp774mR2kV1JDY6PYtcXYWQqjyS8IrjoQFVm5oT4haawiuHsNTi0yaURR6pJbgW7EnCtnduCk4AYqBz1qr4d0a71Pwlrd1qEMljqPiEzM6TKVeBCpjiUg8jCgH8TXPaRo1i+j2ek614e8USX8apDPb/abg2rFcfMHMgi2cZxn2Appa2fl+O/3bCb0uv67ffudhq/jmx0jX20Uafqd9qAgW4WGytxIWQkgkcjGMc5x1GM1o6X4gttV1LULCOGe3udPZBKk6gEh13KwwTwRnrjkGsq0s7lPivqN2beUWr6TDGsxQ7GYSOSoboSARxWH8RRf6JrVtq2iRb7jVrd9HcKcHzH5hf8AA7uaXRed/wA3b/L5j6vyt+lztNB1y28Q6X/aFikq27SvGjSgDzArFdwwT8pIOP5VfmJEEhBwQpwfwqro2lwaLotnptqMRWsKxL74HX8etWpgTBIAMkqcD8KKmzsKOrVzjvAPiS0l8A6Y+q6zC94Y281rm6BkJ3t13HPTHWsvSNW3/B7S9Q1rUdW3NcqGuLSf9+5NwVUFmPK9AfarfgXwXo58C6b/AG14asft/lt532uwTzc72xu3LnOMdayYtH1Ffghplh/Z10LuO7iZrbyG8xQLrcSVxkDHP0q38b9V+Yvs/L9Ds9X8X22l381lBp2papc28QmuI7CAOYUOdu4syjJwcAZPHSuU8S+K7TUbHwhr/wBlvLa0bV1ZEljDSOPLcAhYy2ck4A657VBqt1rS/ELxD/YH2xVaG3inexs4rkDCE5O+VNsgycAA8YJHSrFvBa3ek+C4/DcF7NaabqvlziaEiWAqjh/NGPlO489uamOtn5r8/wDhhy0v6P8AL/hzq9D8XWmt6lcacbK/06+gjEpt7+Dy2eMnG9cEgjPHrUl3/wAj9pX/AGDL3/0ba1Qks7k/FyC8FvL9lGivEZ9h2B/OU7d3TOOcVfu/+R+0r/sGXv8A6NtaOif9btB1a/rYzvCV7cW2va94e1C5nuJbO4FzbSTyF2a3lGVGTydrBh+VVND8RrHa694o1W7nOnzX32exhBZwUjPljy0/vO+7p14qv8QLTV9P1e01/wAN2c93dTW0umzRwRliA4JjkOOgVxyfepPE3hGWL4f6VpukQS3H9kTwTtBBKY5J1TIfawIIY7iw560lt9y/Hf7rfeN72+f/AAPv/I3NM8W29/qyabdadqOl3c0Zlgjv4VXzlH3tpVmGRkZBII9Kqaf4/stW1GW003StWuTBPJbzypbDy4nQngsWxzjjGeoziqPh6x0i48QW11a6R4jE1sjstxqsk4SAsMEBZX5JHHygj3q98P7O5stH1FLy3lt3fVbqRVlQqWUyEhhnsR0NV1+X6iv+f6FseMtMPgk+KMTiyEZcxlR5uQ23ZjON27jGevetyJ/NhSQoyblDbX6rnsfevL30u4HxCfwgIc6TNfLrrEH5RGAcx49DMAcelep0t1f+v6vdfINnb+v6tr8zlfiTe3Gn+Brm4s7mW2lWaACWKQowBlUHke2RVT4heJLWLwNfNpGswpebovLNrdASf61M42nPTP4Va+JVjPqPgW6tbS1kupHmg/dRRlywEqk8DqMZrM8e+C9IXwVenQvDdkL8NEYjZ2CeaP3q527Vz0znHbNEf1/yH1N68uraPxxpFvJc6itzNazNHBHIBbOF25Mi9SwyMH61nX3xIsLONriHSNYvbIXH2YXtvAnktJu24Bd1ON3y7sYz3qXVbW4b4laBeLBIbaCxulln2HZGTswGboM4PX0rz3S5ryTwnEusrqy+GkuWuZltNPjePaJS+BKJS5iBGc7M4HXFC6f11/yFrr8vy/zOouPEEek/Fi7lksL+5nuNGgMdnaweZL/rGJzg7RjPJJx712Xh/wAQWfiTTPttgs0YWRopYbiPZJDIv3kZexFY2mxSz/FC91OKKRrG40eARXOw+W53scBuhOCDj3p/gmzubS68Sm6t5YRNrU0sRkQr5iFUwy56jg8imtrPz/8ASv8Agi815fkTWN5Hp0/i+9m/1dtfCV/otlbk/wAqxND0DU/Fmh2+ua34j1e0ub+MTRW+m3PkQ26NygCgfMcEZLZzW3ZWSajN4wspThLm98pjjOA1lbj+tYfh/wAQ6n4X0G20LWvDWs3F3YIIEmsLbz4bhV4Vg4Py8Y4bGP5SrXd/l+N/0/q5XRW/rt+o2DXdVbwL4ustQu2fU9DWeFb2L5GkXy90b8Yw2Dzj0qz4Q03TmXTL1fFOp3t60CyPazau0qMxT5gYyecZPHbFQRaFqkfgHxXd6haFdV1tZ5zZw/vGjBj2pH8v3mwO3c1veF/DGkabpOmXMWiWVpqCWse+VbRElVigDZOM565ql1b7L77O5MuiXn+hyGhWtprNxrE2s+LdVtJ49WuIY4I9YaFVRX+UBM9O1eoKNqhck4GMk5NcL4Q8JadOusXGu+H7WS5fWLl45LyyUu0ZbKkFhkr6HpXd0l8K9F+Q38T9X+YUUUUAFFFFABRRRQAUUUUAFFFFABRRRQB51dXF3pfwo8La5ZT3CDS7aznuYYnIE8BjVZFYdDwcjPTFbPjTUZp7HSdL0i6khuNau440mgcq6Qj55HUjkfKP1qz4ZsotR+F+j2Vyu6G40eCJx6hoVB/nXN+ANL1eTWUbxDZzxDw9anTrSSZConJcgyrnqNioM+5ojvb5/wBfcvvB7X+X+X6/cdJf+Mraz1C5s7PTNT1V7MD7U1hAHWE4ztJZhlsHOFyabqXjzRtN0bTNUJuLm01SQRWzW0JdixUkAr1ySNuMZzXKf2NHpHiLW11qw8RTx3l493a3GlTXBjdXAJRlibCsDkZYDIxzWne6Mbe28Fw6VpN3bW1tqYlkgfMr26lJCS7Atjluue9EdUvO347g9G7dL/8AAN2z8XwXOoadZXOmalp0+orKYVvIlTmPkqcMeSOR2I71ettctrvxDe6PAkrT2Mcck8mB5al8lVznO7Az06EVj/EKzkfwyNUtFBu9GmTUIu2RGcuufdNw/Kl8AW0j6HNrV3GY7vW7hr11Y5Ko3ES/ggX86Fr8v6X6/cD0+f8AT/T7zqa43Rddjg8c+KrfVNUWOKKa3FvFc3ACoDFltoY8c8nFdlXD6Z4XstQ8deKbrXdDt7qOSa3+zS3lorhgIgG2FhyM9cULf5fqg6EuhaodQ8YeMFXUJLiyhW28nyp9yx5hO7ZzgHPp3qXS/FOnWHg3RZ4Tq2om/XZZxTAS3dweSdxztyACSSQAB1qt4e0T+yvFXjBLLTPsVlMlv9mWK38uN8QndswADyecd65XZqum+H/ANta211BqkEc7eVHbrJOny4IMTunyEHkkjHGDmjp/4D+oPf7/ANDoNe8Wx+IvBHiu1j0nUrGSxspUm+2xxphimQuFcnkHOcYI71c0Hx5pzQaNYyWWpwRXcUcNtfT2pS3mk2DCqxOeecEgA461goPtPhfxjYyJqc/iW9tGnuIbmzETyLs2IIkQsCoxjhmOa3fElheT+GvCsUFpPJJBqVi8qJGSY1X7xYDoB3J6U1v68v63+4T/AM/0sdJrf+q03/sNaZ/6XQ163Xkmt/6rTf8AsNaZ/wCl0Net0hniOm6tqVppVpbHwvqsphgSPzI5bTa+FAyMzg4PuAfarX9vaj/0Kesf9/bP/wCP1Zk1ex0xNMt76fypL5lhtwUYh32525AwDgd8ZqbVdVstF02S/wBTm8i2iwGfaW5JAAAAJJJI6CgSVlYof29qP/Qp6x/39s//AI/R/b2o/wDQp6x/39s//j9bYORRQM5PXZbvxBolzpd14Z1+GC5UJI1vPZK5XOSMmc8HofYmpLu+1SaxjtrLQfEGmiPAV7V9PLbQMbcSSsMfhniuoooA4n/iov8AqcP/ACj1tDXtRx/yKesH/trZ/wDx+tyqdrqtle6he2VtNvuLFlW4TYw2Fl3LyRg5HpmgCh/b2o/9CnrH/f2z/wDj9H9vaj/0Kesf9/bP/wCP1t0UAYn9vaj/ANCnrH/f2z/+P0f29qP/AEKesf8Af2z/APj9bdFAGJ/b2o/9CnrH/f2z/wDj9H9vaj/0Kesf9/bP/wCP1t0UAYn9vaj/ANCnrH/f2z/+P0f29qP/AEKesf8Af2z/APj9bdFAHGaLrV+mreIWXwxqshfUUZlWW1zGfstuNpzOBnAB4yMEc5yBsf29qP8A0Kesf9/bP/4/VWz1G10m48W3+oSGK2t9QV5XCM21RZ22ThQT+ldDDPFcW0dxC4eGRA6OOhUjIP5UAZH9vaj/ANCnrH/f2z/+P0f29qP/AEKesf8Af2z/APj9aGl6pZ61psV/pk3nWsudkmxl3YJB4IB6g1boAwzruokEf8IprA9xLZ//AB+srRlutC0NtNsPDniAbmkdrmSexaUu5JLkmbaTk9xjgcGuxooA4j/iov8AqcP/ACj1q2erata2qRT+HtevHXOZ55LAO3PcJMq+3AFdFVOfVbK21W002ebbd3iu0EexjvCAFuQMDGR1NAFD+3tR/wChT1j/AL+2f/x+j+3tR/6FPWP+/tn/APH626KAMT+3tR/6FPWP+/tn/wDH6P7e1H/oU9Y/7+2f/wAfrbooAxP7e1H/AKFPWP8Av7Z//H6x/COtX8XgnQ44/DGqzqmnW6rLHLahXAjX5hunBwevIB9hXZ1y/hjV7HTPBXhK3vp/KkvrG2htwUYh38lTtyBgHA74zQBd/t7Uf+hT1j/v7Z//AB+j+3tR/wChT1j/AL+2f/x+r+q6rZaLpsl/qc3kW0WAz7S3JIAAABJJJHQVcByKAMT+3tR/6FPWP+/tn/8AH6ztdlu/EGiXOl3XhnX4YLlQkjW89krlc5IyZzweh9ia6yigDl7u+1SaxjtrLQfEGmiPAV7V9PLbQMbcSSsMfhniqP8AxUX/AFOH/lHrtqKOtwMMa9qOP+RT1g/9tbP/AOP0v9vaj/0Kesf9/bP/AOP1ftdVsr3UL2ytpt9xYsq3CbGGwsu5eSMHI9M1coAxP7e1H/oU9Y/7+2f/AMfo/t7Uf+hT1j/v7Z//AB+tuigDE/t7Uf8AoU9Y/wC/tn/8frN1bXbpLnR7q88P6paQWeqW87vIbd92GwEURysdxJAGcAnAzkjPW1ieLf8AkC2//YT0/wD9LIaT1InHmjYm/wCEmsf+gV4i/wDBYv8A8co/4Sax/wCgV4i/8Fi//HKsR6vYy61NpKT5voIlmeEowwjHAYEjBGRjg8UtzqtlaanZ6fPNtur3f5EYRjv2DLHIGAAO5xRZk8s/5vwMbW7zRvEGlSWGoaT4m8pyrBotPCPGynKsrCTgggGsyzs9Kh1K1vdR/wCE21aSzO62W+soykTYI3hUZQWwSMtnrXcUUK6DlqP7X4GV/wAJNY/9ArxF/wCCxf8A45R/wk1j/wBArxF/4LF/+OVq0UWYcs/5vwMr/hJrH/oFeIv/AAWL/wDHKP8AhJrH/oFeIv8AwWL/APHK1GYKpZuABk1V0vVLPWdLh1HTZvOtZwWjk2ldwBI6EA9QaNe4cs/5vwKv/CTWP/QK8Rf+Cxf/AI5R/wAJNY/9ArxF/wCCxf8A45Uf/CWaJ/YMGtfbf+JfPIIo5vKf5mLbANuMj5uOlbNFmHLP+b8DK/4Sax/6BXiL/wAFi/8Axyj/AISax/6BXiL/AMFi/wDxyn6rrltpF1ptvcpKz6jci2iMYBCttLZbJHGFPTNaVFmHLP8Am/Ayv+Emsf8AoFeIv/BYv/xyj/hJrH/oFeIv/BYv/wAcrVoosw5Z/wA34GV/wk1j/wBArxF/4LF/+OUf8JNY/wDQK8Rf+Cxf/jlatFFmHLP+b8DjPGvi6/tPsFvpi+RZXdj5ktvf6fCXdhPIPnVw39xSBnsDWjZeI9Un0+3lk8NapcPJErNNE9oqSEjO5QZhgHqBgfQdKn8W/wDIFt/+wnp//pZDW3SSadyadKUZuTle5if29qP/AEKesf8Af2z/APj9H9vaj/0Kesf9/bP/AOP1t0VRuYn9vaj/ANCnrH/f2z/+P0f29qP/AEKesf8Af2z/APj9bdFAGJ/b2o/9CnrH/f2z/wDj9H9vaj/0Kesf9/bP/wCP1t0UAYn9vaj/ANCnrH/f2z/+P0f29qP/AEKesf8Af2z/APj9bdFAGJ/b2o/9CnrH/f2z/wDj9H9vaj/0Kesf9/bP/wCP1t0UAYn9vaj/ANCnrH/f2z/+P0f29qP/AEKesf8Af2z/APj9bdFAGJ/b2o/9CnrH/f2z/wDj9H9vaj/0Kesf9/bP/wCP1t0UAYn9vaj/ANCnrH/f2z/+P1j+J9av5NJgV/DGqwgajYtueW1IJF1EQvE5OSRgdskZIGSOzrE8W/8AIFt/+wnp/wD6WQ0AH9vaj/0Kesf9/bP/AOP0f29qP/Qp6x/39s//AI/V7VtY07QrBr3V7yK0t1OC8jYyfQDqT7Dms7R/G3h7Xr42emair3QXcIJYnhdh6hXAJ/Cha7AP/t7Uf+hT1j/v7Z//AB+j+3tR/wChT1j/AL+2f/x+maz410HQNRFhql5JFdGMSiOO1ll+QkgHKKR1BpLjxtoFrolvq1xeSJZXUvkwubWXc788bNu7+E9qOlwJP7e1H/oU9Y/7+2f/AMfo/t7Uf+hT1j/v7Z//AB+pNE8UaT4iaZdInllMABk8y2lixnOPvqM9D0rXoAxP7e1H/oU9Y/7+2f8A8fo/t7Uf+hT1j/v7Z/8Ax+tuigDE/t7Uf+hT1j/v7Z//AB+j+3tR/wChT1j/AL+2f/x+tuigDE/t7Uf+hT1j/v7Z/wDx+j+3tR/6FPWP+/tn/wDH626KAMT+3tR/6FPWP+/tn/8AH6P7e1H/AKFPWP8Av7Z//H626KAMT+3tR/6FPWP+/tn/APH6P7e1H/oU9Y/7+2f/AMfrbooA4zxPrV/JpMCv4Y1WEDUbFtzy2pBIuoiF4nJySMDtkjJAyRsf29qP/Qp6x/39s/8A4/R4t/5Atv8A9hPT/wD0shq9Hq9jLrU2kpPm+giWZ4SjDCMcBgSMEZGODxQBR/t7Uf8AoU9Y/wC/tn/8fo/t7Uf+hT1j/v7Z/wDx+r9zqtlaanZ6fPNtur3f5EYRjv2DLHIGAAO5xVygDE/t7Uf+hT1j/v7Z/wDx+szUTcapq2m3914X17dpsjSwwrPZeWzsu3cw87JIBOOR1rrqKAOT1C81y9nWS207xNp6hcGO2bTCrH1PmOxz+OOOlR2c+vW10ks1p4qvEXOYJzpQRuO5Rlb34IrsKRmCqWbgAZNGwbmL/b2o/wDQp6x/39s//j9H9vaj/wBCnrH/AH9s/wD4/WhpeqWes6XDqOmzedazgtHJtK7gCR0IB6g1R/4SzRP7Bg1r7b/xL55BFHN5T/MxbYBtxkfNx0o62DzOZu9KuptWutQ0/SvFmlS3mDcpZXliElYDG4q8rYbAAyMdK1dGll0HTVsdP8I60IwzOzSXFo7yOxyzsxuMkknOa6qs3VdcttIutNt7lJWfUbkW0RjAIVtpbLZI4wp6Zo8gfcrf29qP/Qp6x/39s/8A4/WPc61fnxtpkh8MaqGXTrxREZbXcwMltlh+/wAYGADkg/MMA847OsS7/wCR+0r/ALBl7/6NtaAD+3tR/wChT1j/AL+2f/x+j+3tR/6FPWP+/tn/APH6vaXq9jrVtJcabP50ccrwudjKVdThlIYAgg0ttqtlealeWFtN5lzY7PtCBGxHvGVGcYJxzgHjvQBQ/t7Uf+hT1j/v7Z//AB+j+3tR/wChT1j/AL+2f/x+tuigDkbU3Fp4hvtZHhfXpbq9jjiYST2RWJEzhUAm4BJJOSeaink8QTXEkkcPiyBXYkRRnSSqD0G4k4HuSfeuzooA5bTr/WrLzPtOk+JNR342/an01dmPTy5E6++elXv7e1H/AKFPWP8Av7Z//H6v6rqtlounve6nN5FujKrPsZsFmCjgAnqRRquq2WiabLf6nN5FrEVDybC2MsFHABPUigDOfW7+WNo5PCOrsjAqwMtnyD/23rkl8MOtj/Z39l+MTpOcf2b9vsvK2f8APPPm79nturvZdYsYdYt9Kkn23tzG0sMWxvmVepzjA69zV2jzC5hR61fRRrHF4R1dEQBVVZbMAAdB/r6d/b2o/wDQp6x/39s//j9WYtctpfE0+hqkouYLZLlnIGwqzFQAc5zkHtWlRvqG2hxmi61fpq3iFl8MarIX1FGZVltcxn7LbjaczgZwAeMjBHOcgbH9vaj/ANCnrH/f2z/+P0aD/wAhrxN/2E0/9I7aq2pfEHwvpN9LZ3uqoJ4eJViiklER9GKKQp+pFAFn+3tR/wChT1j/AL+2f/x+j+3tR/6FPWP+/tn/APH6unWtOGhvrC3ccmnpEZjcRHeuwDJI25z06CsvS/Hvh3Wb+Gz067nlmn/1YNlOgPGfvMgA4HrR1sHS5P8A29qP/Qp6x/39s/8A4/R/b2o/9CnrH/f2z/8Aj9UZviR4Wgu57aS/mMsErRSBLGdwrqcEZCEHmuoVgyhh0IyOMUdLh1sYv9vaj/0Kesf9/bP/AOP0f29qP/Qp6x/39s//AI/W3RQBif29qP8A0Kesf9/bP/4/R/b2o/8AQp6x/wB/bP8A+P1t0UAYn9vaj/0Kesf9/bP/AOP0f29qP/Qp6x/39s//AI/W3RQBif29qP8A0Kesf9/bP/4/R/b2o/8AQp6x/wB/bP8A+P1t0UAYn9vaj/0Kesf9/bP/AOP0f29qP/Qp6x/39s//AI/W3RQBif29qP8A0Kesf9/bP/4/R/b2o/8AQp6x/wB/bP8A+P1t0UAcZ4R1q/i8E6HHH4Y1WdU063VZY5bUK4Ea/MN04OD15APsK2P7e1H/AKFPWP8Av7Z//H6peGNXsdM8FeEre+n8qS+sbaG3BRiHfyVO3IGAcDvjNbmq6rZaLpsl/qc3kW0WAz7S3JIAAABJJJHQUAUP7e1H/oU9Y/7+2f8A8fo/t7Uf+hT1j/v7Z/8Ax+tsHIooA5PXZbvxBolzpd14Z1+GC5UJI1vPZK5XOSMmc8HofYmpLu+1SaxjtrLQfEGmiPAV7V9PLbQMbcSSsMfhniuoooA4n/iov+pw/wDKPW0Ne1HH/Ip6wf8AtrZ//H63Kp2uq2V7qF7ZW02+4sWVbhNjDYWXcvJGDkemaAKH9vaj/wBCnrH/AH9s/wD4/WLrdtca3d2t5/wj3iSwvrTcIrqyurJHCtjKnMxVlOBwQeldNHrWny3uoWkdxmfTVVrpNjfuwy7hzjB454zUumalaaxpkGoabL51rcLvik2ldw9cEAj8aAOV0WC40a7uLw+HPEd/fXICy3d7dWTyFBkhBiYKqgk8ADrWz/b2o/8AQp6x/wB/bP8A+P1e1jVIdE0W71O6WR4bSFppFjALEKMnGSBn8asWtwl3Zw3MYYJNGsihuoBGeaNwOd1DV724k0uKbw7qdojazp2ZppLYquL2E87JmPPTgd+w5r2rz5P+fWX80/8Aiq8q1v8A1Wm/9hrTP/S6GvW6APDPGmmzal4BlNlxe2ccd5asByJIsOMfXBH41l3+px+M77wjZ23zW1yBq12B0VIx8qn6yED/AIDXcWoBsYQRkGNcj8K5vwj4Hi8KX2oXCXjXS3LbbeNo9otYd7OIxycjLnnj6ULR/j8/6t9wPVfh9/8AT+85+88W6jqet6tHaarf6XBYXDWsCWejPdiR0xuaR9jDGcjapBx3qfUPEnia48O+FZLXZpWp6pe/Zrlbi2O0Da+Tsb5h90MBx2BOK25PCuo2esX174c1wadHqEnnXFtNZidPNwAXT5lKkgDOcjNWb/w1JfnQ2n1KSWTSboXLSyxKWuCFZcHbtC/e7Dt0ojsr+X/BCW7t5/8AAMy8u9b8MaloB1TWH1Kxurh7O7ka2jiw78wthRxgjaeccjjNX9B1S+1fxVrreb/xKrGRLO3jCDDSqMytnGeCQuM44qL4kfZR8PdWa9YqEiDwsv3hMGBjx779tSeH47Pwd4NsY9bv4LV2G+4nupljDzyEu/JwCclvwFC63/q/9P70D6W/q39L7mdJXH+Fv+SgeM/+u9r/AOia1f8AhNfC3/Qy6P8A+B8X/wAVWVN4S1uLxHqeq6H4lhsU1Jo3khfThNgogUfMXH8u9C0d/L/IOgl7e65r/jDUNG0TVF0e10qOIzzrbrNJNJICwUB/lCgd8ZzWYfEfiMeGPEtr9pjk1nw9MpNzFCALmLAflDkBim4HHTtWxdeEdUGpjVdI8RGw1Ka3jhvpDZrLFdFBw/llhsPJ6Hpx9dDw74Yh0Kxu0muZNQur+UzXl1OADMxGOg4C44AHSlqk7f07/kPS6/rS2v4mJqniu8XxVorafKP7HZIWvRtU7vtBKwncemGGeDzmtfQNRvdU17XZZJs6dbXK2lrFtXhkX942QMn5jjk/w1m6f8PxY+F9S0htTaWS72iC58gA26xgeSMZ+bYRnORn2roNA0j+w9FhsTMJ5FLPLME2ea7MWZsZOMknjNVp/Xn/AJak6/15f5mlRRRSGFFFFAHP6TBHdah4rt51DxS6gqOp7g2VuCK4201q8034X6loSsz6tYXR0W3H8TFztiYf8AbP/Aa7fQf+Q14m/wCwmn/pHbVQuPA0M/xAi8Si8ZI1CvJZCP5ZZlVlWUtnqFbGMdutKybs9nv/AF96+Y72V1uv6/4PyMfWNVl8OXmkeEdJuriwht7BZZrq1sGu5SqnYqqgVgMkEliD29abD4n12Pwd4ollluXk02AyWOpXGnm2aYFCeY3UAlSMZAweOK6XXPDc2oataavpOotpup2sbQiUwiWOWJiCUdCRkZGRgjFNufDuoaj4X1TS9V1o3M+oRNF5wtlRIAVx8qA59+WJ9xQ7uL76/mCsml00MSb/AITG18E3OttrqXV79nju0tIbONY0A+Z0BILMCuRk856Y6VoSeI59W8S+HrTQpytrdWzajeNsViYMAIpyDjLHtz8prpLS1W00yG1dhIsMKxliMBgFxnFcH8LtOtdP0nVNbNyfsUs8kVnLO2BFZxO23k9Bksee2Kttcz7b/wBfh9zJV+Vd9v6/H70eiVx+u/8AJVPCn/XC9/8AQFrV/wCE18Lf9DLo/wD4Hxf/ABVZ+saNJ4ov9J17wz4htrc2SzJHPHAt1HIHwpwQ4HG0jvU9U/62Y+hL4s1bUoNQ0jRNDmjtb3VpJB9rlj3iCONdzMF6FuQADxVGxv8AXdF8aW3h/WtVXVYdStZJba6NskUkTpjcpC/KRg5Bx1qxd+EdU1Kytn1DxCTrFjcNNZahb2axiIFdpRoyxDA855Hb8Z9H8KXNtrx1vXtYfV9QWEwQMIFgjgQnJ2oCeTjkk0Ja6/1oD20/rX/I52TxN4hl8Axw2twP+EkW+lsZJfKQ5aIs7HbjaMonp/FW5B4gudZ8RaDFpc3l2k1g2oXgCq25GAWNckcfMSeMfdNWLfwilv42n15bvMMoLCz8oYWZlVGk3Z7qgGMdzzR4W8Jjw1Neu159r88hIcxbDBCpYpH1Ocbzzx9KF5/1pb89Qfl/Wv8AlodHXAXOmzal8D9KNlxe2emWl5asByJIo1cY+uCPxrv6w/BYB+H/AIfBGQdMtsj/ALZLSd7aDWj1Odv9Tj8Z33hGztvmtrkDVrsDoqRj5VP1kIH/AAGqd54t1HU9b1aO01W/0uCwuGtYEs9Ge7Ejpjc0j7GGM5G1SDjvXQeEfA8XhS+1C4S8a6W5bbbxtHtFrDvZxGOTkZc88fSnSeFdRs9Yvr3w5rg06PUJPOuLaazE6ebgAunzKVJAGc5Gab8vP7/+G0EtP66f8Pr6GJqHiTxNceHfCslrs0rU9Uvfs1ytxbHaBtfJ2N8w+6GA47AnFaN5d634Y1LQDqmsPqVjdXD2d3I1tHFh35hbCjjBG0845HGa07/w1JfnQ2n1KSWTSboXLSyxKWuCFZcHbtC/e7Dt0qt8SPso+HurNesVCRB4WX7wmDAx499+2hu135/hp/wQSbsvL8df+AS6Dql9q/irXW83/iVWMiWdvGEGGlUZlbOM8EhcZxxXR1zfh+Oz8HeDbGPW7+C1dhvuJ7qZYw88hLvycAnJb8BVn/hNfC3/AEMuj/8AgfF/8VTtbQSd9e5leFv+SgeM/wDrva/+iaS9vdc1/wAYaho2iaouj2ulRxGedbdZpJpJAWCgP8oUDvjOaWbwlrcXiPU9V0PxLDYpqTRvJC+nCbBRAo+YuP5d6kuvCOqDUxqukeIjYalNbxw30hs1liuig4fyyw2Hk9D04+s9Fft+g+/9dTHPiPxGPDHiW1+0xyaz4emUm5ihAFzFgPyhyAxTcDjp2q7qniu8XxVorafKP7HZIWvRtU7vtBKwncemGGeDzmtvw74Yh0Kxu0muZNQur+UzXl1OADMxGOg4C44AHSsnT/h+LHwvqWkNqbSyXe0QXPkAG3WMDyRjPzbCM5yM+1PZ/d/wf+AG6svP/gGloGo3uqa9rssk2dOtrlbS1i2rwyL+8bIGT8xxyf4al8W/8gW3/wCwnp//AKWQ1Z0DSP7D0WGxMwnkUs8swTZ5rsxZmxk4ySeM1W8W/wDIFt/+wnp//pZDQBj+MGOi+KfD3iNPliEx068PrFL90n2DgH8ahjvVl8Z+I/Ec6M9poFkbOHH8TgebNj34Va6bxHokPiPw7eaVcP5a3MZVZNu7y26qwHsQD+FV/D/hqLRvDP8AZF1Ob8y+Y11O6bTcNISXJGTjOcdaWtnbzt8/6f3j0ur+V/l/S+44SDxh4hfTrbVoL3ULy6lZJG0lNCkFuY2IyiS7N2QDkMWIOOlb2pXXiTUviJc6JpGtJpllFp8Vyz/ZUlkVi7D5d3HOBnOenGM5q7pnhXWtJt4NPtvFEn9l25CxRmyQzrGOieaTjGOM7M4rTh0HyfGV1r32nP2izjtfI8v7u1i27dnnO7piq0urba/loTrZ/wBdTKtdeutJ8Waxpuv3fm20dmuoWkrRquIlGJV4A6MM85ODWh4MutT1Dwra3+tuWubzdOEKBfKjYkonAHRccnmub+JelRa1q3hvTopZIr28uZIHMZwWtCmZwfbAX866+917RNFkjttS1XT7B9gKRXFykR29AQGI44x+FJbXfp/X4fcxvfT1/r8fwL0//HvJ/uH+VeaeAdd8Q2vgLTIbHwjcX1ukbBLhb+BBIN7c7WbI/Gu5t/E2gapMLPT9d025uJQQkUF3G7txk4UHJ45o8MaF/wAI34Ys9I+0fafsyFfO2bN2WJ6ZOOvrSadn/XcOxwWi6te6N8DdKu9Ol8if7Ske7arYVrrawwQR0JFbet6xqNz4o1TTYvEUPh2HTrOOeN2hjdpy4bLnzMjYu3GBg5PXpVlPAe3wBa+Gf7Sz9nnSX7T5H3ts3mY27uPTr71yOuxaTJ8QNcfxDqsOikeS1ul5YwzicLGB5iNLGeO21TnIP4OWrdu7/Jf1/Vxre/8AW7/QfdXWt6p4X8C3sl+JdUvNTWRZruBQqZjcZ2oFyMcgdeeTXVaJe65p3jqXw/rWqLq0U1h9thnNssLxkOEKYXgjnIPWq2iWOpeLNH0TUNYn8mTTdReeGT7KYzeRKGRGKEjy9wOe/GOOa6FtB3eNY/EH2nGywaz8jy+uXD7t2fbGMfjVbS+b/LT8Sen9d9fwNiiiipGFFFFAGJ4t/wCQLb/9hPT/AP0shrbrE8W/8gW3/wCwnp//AKWQ1t0AFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABWJ4t/5Atv/ANhPT/8A0shrbrE8W/8AIFt/+wnp/wD6WQ0AYmpxrffGbSLe9UPBaaXLdWytyPOMgUnHqFpfibEqaVpV9CAL+21W2+zSDhgWcAqPUEZyK1vEfhZddns760vptM1SxLG2vYVDFQwwysp4ZT6H/Gqdr4PvrjVrS/8AFOvSawbF/MtbdLZbeFHxjeygksw7Enj0oj08nf8AG/8AwAfXzX6W/wCCZGqX+o6f8YJn0nR5NWkbRYw0UdxHFsHnNzlyAfTFL43vtQfT/Ct5JpEkd9/bMTDTzPGWLBXwu8Hbz65711KaDs8aS6/9pz5litn5Hl9MOW3bs++MY/GjXtB/tufSZPtPkf2dfJeY8vd5m0Ebeox168/ShbR9f1uD3l6f+22H6JqOqagsx1fQ5dIKEeWJLmObzM5z9wnGOOvrWrRRQAUUUUAFFFFABRRRQAUUUUAFFFFAGJ4t/wCQLb/9hPT/AP0shrH8YMdF8U+HvEafLEJjp14fWKX7pPsHAP41seLf+QLb/wDYT0//ANLIaseI9Eh8R+HbzSrh/LW5jKrJt3eW3VWA9iAfwo2aY99DmY71ZfGfiPxHOjPaaBZGzhx/E4HmzY9+FWsKDxh4hfTrbVoL3ULy6lZJG0lNCkFuY2IyiS7N2QDkMWIOOld34f8ADUWjeGf7IupzfmXzGup3TabhpCS5IycZzjrWfpnhXWtJt4NPtvFEn9l25CxRmyQzrGOieaTjGOM7M4oWjt6f8H7xPVX/AK8ilqV14k1L4iXOiaRrSaZZRafFcs/2VJZFYuw+XdxzgZznpxjOat2uvXWk+LNY03X7vzbaOzXULSVo1XESjEq8AdGGecnBrVh0HyfGV1r32nP2izjtfI8v7u1i27dnnO7piuW+JelRa1q3hvTopZIr28uZIHMZwWtCmZwfbAX86Wtkl5/m7fp8h9W3/W1/1Ok8GXWp6h4Vtb/W3LXN5unCFAvlRsSUTgDouOTzWzP/AMe8n+4f5VRvde0TRZI7bUtV0+wfYCkVxcpEdvQEBiOOMfhUdv4m0DVJhZ6frum3NxKCEigu43duMnCg5PHNE/eTURRutzhvAOu+IbXwFpkNj4RuL63SNglwt/AgkG9udrNkfjUei6te6N8DdKu9Ol8if7Ske7arYVrrawwQR0JFd74Y0L/hG/DFnpH2j7T9mQr52zZuyxPTJx19axk8B7fAFr4Z/tLP2edJftPkfe2zeZjbu49OvvVt+8/VfnqL7P8AXYra3rGo3PijVNNi8RQ+HYdOs4543aGN2nLhsufMyNi7cYGDk9elc7dXWt6p4X8C3sl+JdUvNTWRZruBQqZjcZ2oFyMcgdeeTTNdi0mT4ga4/iHVYdFI8lrdLyxhnE4WMDzEaWM8dtqnOQfw6TRLHUvFmj6JqGsT+TJpuovPDJ9lMZvIlDIjFCR5e4HPfjHHNTFaX9Pz/r7hy/z/ACLOiXuuad46l8P61qi6tFNYfbYZzbLC8ZDhCmF4I5yD1rVu/wDkftK/7Bl7/wCjbWntoO7xrH4g+042WDWfkeX1y4fduz7Yxj8aZd/8j9pX/YMvf/RtrR0X9dX+gdX/AF0MOxuU8M/EbWrO4cR2OpW39qRE8BXQbZvxICtWPa6zeeHvAH9uCMpqfiXUvMVnhaXyRKTsOxeW2xqCFHU11HjXwWnjC3tFW+awmtnbMyR7y8TqVkj6jAYY59ulaGu+HLbXNDTTjJJaeS8cltNDjdA6EFGGeOMdPTNJbfh8r/5WXyH1/H52t/m36nM+H9d1c+KrSya81LV7C5ifzprzR2tDbOoyCG2KpVuRg5IOOaXwpN4o8QzXt7deIFgs7bULm2jt4rOMtIisQCzEcEcYwO3Oc10Wl6ZrlveLNrGvrfRohVYYLJYFYn+JuWJP0Kj2p3hvQf8AhHrG6t/tP2j7ReTXW7y9m3zG3bcZOceveq6/L9Ra/j+hyn/CXauvw/miaUHxNHff2Tu8tebgvgOFxjGw7+mOK9AiVkhRZHMjqoDOQBuPrxXAW+jwX/xtvbm3kc2+n28Vxcxfwfa2VkU/Xyv6V1U/i7w3a3EkFz4g0qGaJijxyXsasjDqCC2QaXS76/1+d36NA97dv+H/ACt+JjfFUlfh5eFV3sJrchQcZPnJxWB8QNc8QXfgi9g1DwlPp9uzRb7l76CQJ+9Qj5VbJycDj1rqtYj0rx74fudM0nXLOXEkTySWsiz+XtcMMhW4ztI61f8AFWg/8JN4budJ+0/ZvPKHzfL37drq3TI/u460LTfv/kPqUb/Vb23+IOh6ZFNts7q0uJJotincybNpzjIxk9DXG3/ibXrnw/8A2zb+KUsrmTUfsi6RDbQsyjzvL2DeC3mY+Yk8e2Oa7zUNCafxNYa6kxLafbTxC2Ccylwv8WePu+h615LpE9npOhJe6drUMfiWHesWlSaTFLcB9xIgJ8sSk84LZx1NC3X9df8AISTt/Xb/ADOvuLLWbn4sXdtpWrpZMNGgE929ussjYkbG1ThASc5yMegroPBGrajqVhqFtrM0dzd6ZfyWT3KRhBOFAIcqOASG6DirOnaJMviZ/EN1KEnutPitpLRU4jZSWJ3Z55bHTtUugaD/AGHLqr/afP8A7Rv3vMeXt8vcFG3qc/d68delNaaPz++/+Qt9V5fl/mZn2ie0tfHFxaAmeG5Z48f3hYW5H61J8OrK1tPh3o4tVXE9ss0rY5kkcZYk9zkmrWiIsmreKEdQytqSBlIyCPsdtxWRbeCNZ0eJrLw14smsNM3Ex2s1klw0AJyVR2IIHPGQcUl187fqV2MG3jW18L/EixtQFsbeafyEU/KhaHLqPQZ7dq6Pwdq+t3Gm6Va3fhma0s/skYF615C6kCMYOwHdzx9M1di8HWlr4LvvD9ncSj7bHKJruf8AeSSSSAhpG6bjz7dK2dNs/wCz9JtLLf5n2aBIt+MbtqgZx26ULTTyS+5MT1fzf42PPPB+r63ZNrcOm+GZtStzrd0TcpeQxgEvyNrEHivTKx/Dmg/2BBfR/aftH2u+mvM+Xt2eYc7epzj1/Stij7KXkvyDq35v8wooooAKKKKACiiigAooooAKKKKACiiigDgLnTZtS+B+lGy4vbPTLS8tWA5EkUauMfXBH40t/qcfjO+8I2dt81tcgatdgdFSMfKp+shA/wCA10XgsA/D/wAPgjIOmW2R/wBslqj4R8DxeFL7ULhLxrpblttvG0e0WsO9nEY5ORlzzx9KFo/x+f8AVvuB6r8Pv/p/ec/eeLdR1PW9WjtNVv8AS4LC4a1gSz0Z7sSOmNzSPsYYzkbVIOO9T6h4k8TXHh3wrJa7NK1PVL37NcrcWx2gbXydjfMPuhgOOwJxW3J4V1Gz1i+vfDmuDTo9Qk864tprMTp5uAC6fMpUkAZzkZqzf+GpL86G0+pSSyaTdC5aWWJS1wQrLg7doX73YdulEdlfy/4IS3dvP/gGZeXet+GNS0A6prD6lY3Vw9ndyNbRxYd+YWwo4wRtPOORxmr+g6pfav4q11vN/wCJVYyJZ28YQYaVRmVs4zwSFxnHFRfEj7KPh7qzXrFQkQeFl+8JgwMePfftqTw/HZ+DvBtjHrd/Bauw33E91MsYeeQl35OATkt+AoXW/wDV/wCn96B9Lf1b+l9zOkrzix1TV9P+Ifi0aT4fl1ZXmti7R3UUPlnyRgfORnPt6V1n/Ca+Fv8AoZdH/wDA+L/4qn6VoP8AZuv6zqgufN/tV4n8vZjytibeuec9egoW9/L/ACDocv4QvL248X+M7q+sG02622pNu8qSFMQnHzLkHOAfxqG18U6vd+E/CPm6nHZT60WW51KSJDsIVmAVThAzYwMjHXjNdXZ+HPsmva7qX2rf/a6xDy/Lx5WyPZ1z82evQVwPiTQrXQrfwlo2q6h9nsLKKaOTVJbRJIWJAAjaN1dFJ6gt0wfwXl6fhe4dfv8A0sSXF7ql54V8eQ3+vvrNrYW7wQyiCFEJMe48ooyy52nnHtV6K78T+HrTw1f3usW93aX01tZy6eloESMSKAGV87iR7nB9B0qPQYJvEGn674a07UYbvQXs/Kt9ShsEhWOV8hkUJtSTA+Ylcdcd66zVfDH9p6Vo9l9r8r+zLq3uN/lZ8zyv4cZ4z68496paNf8Abv63/r7hPX8f0sXdb/1Wm/8AYa0z/wBLoa9bryTW/wDVab/2GtM/9Loa9bpDPGY9Fv5Y1kj8T6rArgMsUcVqVQH+EboCcDpySfc07+wdR/6GzWP+/Vn/APGKq+IdduvD2m6TexpA1g1xFDfNIDujjf5Q6kHAwxGc54NT+LtcuNE0mBtNSKW/vLqK1tUlBKl3bGSAQcBcnr2oWv32/L/MB/8AYOo/9DZrH/fqz/8AjFH9g6j/ANDZrH/fqz/+MVcvtc0rSpY4tU1Sys5ZBlEuLhIy/wBAx5qe4v7OzWM3d3BAJTiMyyBd5wTgZ68An6CgDM/sHUf+hs1j/v1Z/wDxij+wdR/6GzWP+/Vn/wDGKu2muaTqDxJYanZ3LTKzxrDcI5dVOCRg8gHgmrC3ls141otxEblEEjQBxvVScBivXGQeaAMr+wdR/wChs1j/AL9Wf/xij+wdR/6GzWP+/Vn/APGK26wdF1y51HxR4g02dIlh0yWFIWQEMwePcd2Tg8+gFAD/AOwdR/6GzWP+/Vn/APGKP7B1H/obNY/79Wf/AMYrQ1DVtO0iJZNV1C1sUc7Va5mWMMfQFiKVtUsEsUvXvrZbSQqEnMyiNsnAw2cHJ4FAGd/YOo/9DZrH/fqz/wDjFH9g6j/0Nmsf9+rP/wCMVqSXtrDdw2s1zDHcThjDC0gDybeTtHU474pUvLaS7ltY7iJ7iFQ0kKuC6A9CV6gHHFAGV/YOo/8AQ2ax/wB+rP8A+MUf2DqP/Q2ax/36s/8A4xW3RQBif2DqP/Q2ax/36s//AIxR/YOo/wDQ2ax/36s//jFbdFAHGaLot++reIVXxPqsZTUUVmWK1zIfstudxzARnBA4wMAcZyTsf2DqP/Q2ax/36s//AIxVGOW+gXxlNpCRPfR3oeBJlJRmFlbkAgEHnp1q/pviS1vvBcPiJ2VYGtPtEuD9zC5ZfwII/Cleyb7f1+g7apdxP7B1H/obNY/79Wf/AMYo/sHUf+hs1j/v1Z//ABimaL4gZvB1jrHiiaz057mMSMWfyo0DcoMueu3Geeua049V0+XTTqMV/bPYqpc3SzKYgo6ndnGBVPRtMS1V0Z/9g6j/ANDZrH/fqz/+MUf2DqP/AENmsf8Afqz/APjFWv8AhItF8x4/7YsN8bqjr9qTKs33QRngnsO9W57y2tZIUubiKF538uJZHCmRsZ2rnqcA8CkBlf2DqP8A0Nmsf9+rP/4xR/YOo/8AQ2ax/wB+rP8A+MVt1g6lrlzZ+NNE0iJIjb6hFcPKzA71Magjac4785Bo62Af/YOo/wDQ2ax/36s//jFH9g6j/wBDZrH/AH6s/wD4xWtc3MFnbvcXc0cEMY3PJK4VVHqSeBUFjq+m6pA8+maha3kUZw8lvMsir9SCcUAUP7B1H/obNY/79Wf/AMYo/sHUf+hs1j/v1Z//ABir7atpy6auotqFqLFgCt0Zl8o5OBh845PFTS3ltBNDDPcRRy3BKwo7gNIQMkKD1454oAyv7B1H/obNY/79Wf8A8YrH8I6Lfy+CdDkj8T6rAr6dbssUcVqVQGNflG6AnA6ckn3NdnXDLrlz4d+DOi6lZJFJNHYWKBZgSuGEanoQeh9aOoG9/YOo/wDQ2ax/36s//jFH9g6j/wBDZrH/AH6s/wD4xW3Wfaa9o9/ePZ2Oq2NzcpndBDco7rjrlQcigCp/YOo/9DZrH/fqz/8AjFH9g6j/ANDZrH/fqz/+MVqxXlrPNPFDcwySW5CzIkgJiJGQGHbjnmohq2nNph1Jb+1NiAWN0Jl8rGcZ35x1460AZ/8AYOo/9DZrH/fqz/8AjFH9g6j/ANDZrH/fqz/+MVtAhlBUggjII70tAGJ/YOo/9DZrH/fqz/8AjFH9g6j/ANDZrH/fqz/+MVt0UAYn9g6j/wBDZrH/AH6s/wD4xR/YOo/9DZrH/fqz/wDjFbdFAGJ/YOo/9DZrH/fqz/8AjFY/ifRb+PSYGfxPqswOo2K7XitQATdRANxADkE5HbIGQRkHs6xPFv8AyBbf/sJ6f/6WQ0AH9g6j/wBDZrH/AH6s/wD4xR/YOo/9DZrH/fqz/wDjFRvrt1bePo9FvEgWzvLMzWcoBDtIh+dDzg8EEYA70t1rlyPHNhoVkkTRtayXd67glkQEKgXBwCWJ654BoWtvP9L/AOQdx/8AYOo/9DZrH/fqz/8AjFH9g6j/ANDZrH/fqz/+MVcTXdIk1M6dHqlk18CQbVbhDKCOvyZz+lLea3pWnM66hqdnatGFZxPcIhUMSFJyeMkHHrg0AUv7B1H/AKGzWP8Av1Z//GKP7B1H/obNY/79Wf8A8YrTtr+0vWlWzuoLgwtslEUgbY2M4OOhx2NOtry2vY2ezuIrhEcxs0ThgrA4KnHcHqKAMr+wdR/6GzWP+/Vn/wDGKP7B1H/obNY/79Wf/wAYrZkYpE7DqqkisXwbrVx4i8H2Gq3qRJPcozOsIIUYYjgEk9vWgBf7B1H/AKGzWP8Av1Z//GKP7B1H/obNY/79Wf8A8Yq3c69o9lfLZXmq2NvdPjbBLcosjZ6YUnNWnvLaO7jtZLiJbiVS0cLOA7gdSF6kDIzQBlf2DqP/AENmsf8Afqz/APjFH9g6j/0Nmsf9+rP/AOMVqRXtrPcz28FzDJPbkCaJJAWiyMjcByMj1pbW8tr6DzrK4iuItxXzIXDrkHBGR3BGKAMr+wdR/wChs1j/AL9Wf/xij+wdR/6GzWP+/Vn/APGK26KAMT+wdR/6GzWP+/Vn/wDGKP7B1H/obNY/79Wf/wAYrbooA4zxPot/HpMDP4n1WYHUbFdrxWoAJuogG4gByCcjtkDIIyDsf2DqP/Q2ax/36s//AIxR4t/5Atv/ANhPT/8A0shrboAxP7B1H/obNY/79Wf/AMYo/sHUf+hs1j/v1Z//ABituigDE/sHUf8AobNY/wC/Vn/8Yo/sHUf+hs1j/v1Z/wDxituigDE/sHUf+hs1j/v1Z/8Axij+wdR/6GzWP+/Vn/8AGK26KAMT+wdR/wChs1j/AL9Wf/xij+wdR/6GzWP+/Vn/APGK26KAMT+wdR/6GzWP+/Vn/wDGKP7B1H/obNY/79Wf/wAYrbooAxP7B1H/AKGzWP8Av1Z//GKP7B1H/obNY/79Wf8A8YrbooAxP7B1H/obNY/79Wf/AMYo/sHUf+hs1j/v1Z//ABituigDE/sHUf8AobNY/wC/Vn/8YrH8T6Lfx6TAz+J9VmB1GxXa8VqACbqIBuIAcgnI7ZAyCMg9nWJ4t/5Atv8A9hPT/wD0shoAP7B1H/obNY/79Wf/AMYo/sHUf+hs1j/v1Z//ABiq/iTxHd6fqFjo2h2cd5q9+HaNZnKxQxr1kkIycZIGB1rOfxF4k8PalZJ4ut9Mm0++nW2W707zF8iRvu71cn5SeMg8ULUHobP9g6j/ANDZrH/fqz/+MUf2DqP/AENmsf8Afqz/APjFZWra14kl8cNoXh46VGkdgt2z30UjEkuVwNjD0Hak17WvE2i6To0WdJk1XUNQW0d/Jk8hQwYggb92eB39aN1/XewbP+u1zW/sHUf+hs1j/v1Z/wDxij+wdR/6GzWP+/Vn/wDGKk0RfEatN/wkkulyDA8n7BFImOud29j7dK16AMT+wdR/6GzWP+/Vn/8AGKP7B1H/AKGzWP8Av1Z//GK26KAMT+wdR/6GzWP+/Vn/APGKP7B1H/obNY/79Wf/AMYrbooAxP7B1H/obNY/79Wf/wAYo/sHUf8AobNY/wC/Vn/8YrbooAxP7B1H/obNY/79Wf8A8Yo/sHUf+hs1j/v1Z/8AxituigDE/sHUf+hs1j/v1Z//ABij+wdR/wChs1j/AL9Wf/xituigDjPE+i38ekwM/ifVZgdRsV2vFagAm6iAbiAHIJyO2QMgjIOx/YOo/wDQ2ax/36s//jFHi3/kC2//AGE9P/8ASyGo3126tvH0ei3iQLZ3lmZrOUAh2kQ/Oh5weCCMAd6Otg6XJP7B1H/obNY/79Wf/wAYo/sHUf8AobNY/wC/Vn/8Ypl1rlyPHNhoVkkTRtayXd67glkQEKgXBwCWJ654Bq+mu6RJqZ06PVLJr4Eg2q3CGUEdfkzn9KAKf9g6j/0Nmsf9+rP/AOMUf2DqP/Q2ax/36s//AIxV281vStOZ11DU7O1aMKzie4RCoYkKTk8ZIOPXBqa2v7S9aVbO6guDC2yURSBtjYzg46HHY0AZn9g6j/0Nmsf9+rP/AOMUf2DqP/Q2ax/36s//AIxWrbXltexs9ncRXCI5jZonDBWBwVOO4PUVJIxSJ2HVVJFJuyuG5jf2DqP/AENmsf8Afqz/APjFH9g6j/0Nmsf9+rP/AOMUng7WrnxD4OsNWvUiSe5RmdYgQoIYjgEk9vWsvSfE+qat8PrHWxLpNnd3EwWQ3bNHAF80oQOSdxA456mqtZ2Dpc1f7B1H/obNY/79Wf8A8Yo/sHUf+hs1j/v1Z/8Axir2o61pekBDq2pWdiJM7PtM6x7sdcbiM1z2u+KV+1eHZNB1S2ms7zU/s9zJA6SoyeWzFd3OOgPGDSDY0/7B1H/obNY/79Wf/wAYrHudFvx420yM+J9VLNp14wlMVruUCS2yo/cYwcgnIJ+UYI5z1FhqunaqkjaXf2t6sbbXNvMsgU+h2k4NZ93/AMj9pX/YMvf/AEba0AH9g6j/ANDZrH/fqz/+MUf2DqP/AENmsf8Afqz/APjFR+F9dutVm1ay1RII7/TbxoXWEEK0ZAaN8Ek8qfzBpND8QTarqWutIII9M065+zQy8hmZFzKWJOMAnA4HQ0f5X/r7w/4Yl/sHUf8AobNY/wC/Vn/8Yo/sHUf+hs1j/v1Z/wDxir2n61per+Z/ZWpWd95f3/s06ybfrtJxUZ8Q6KsyxHV7ASOXCoblMsUzvwM9sHPpg0AVf7B1H/obNY/79Wf/AMYo/sHUf+hs1j/v1Z//ABitIajZHTf7QF5bmy2eZ9p81fL2f3t2cY96nR0ljWSNldGAZWU5BB7g0AY39g6j/wBDZrH/AH6s/wD4xR/YOo/9DZrH/fqz/wDjFM8Z65c+HfC82pWSRSTRyxIFmBK4aRVPQg9D60vjTW7nw54Su9UsUikngMYVZgSp3SKpyAQejHvR/wAN/X3h1sO/sHUf+hs1j/v1Z/8Axij+wdR/6GzWP+/Vn/8AGKnnvLtPEVlapcaclrNDI0kMjkXLsMYMa9Cozz+FF54n0HTrprbUNb021nX70U93GjD6gnNAEH9g6j/0Nmsf9+rP/wCMUf2DqP8A0Nmsf9+rP/4xWavigQePL63vdTt4tHj0uC5jeR0WMM7sN289cgDviuotrqC8tkuLOeO4gkG5JYnDKw9QRwaOlw62OR0XRb99W8QqvifVYymoorMsVrmQ/Zbc7jmAjOCBxgYA4zknY/sHUf8AobNY/wC/Vn/8YpmisU1XxQw6rqSkf+AdvTvB2tXPiHwdYatepEk9yjM6xAhQQxHAJJ7etHRvsAv9g6j/ANDZrH/fqz/+MUf2DqP/AENmsf8Afqz/APjFZWk+J9U1b4fWOtiXSbO7uJgshu2aOAL5pQgck7iBxz1NdHqOtaXpAQ6tqVnYiTOz7TOse7HXG4jND03Ao/2DqP8A0Nmsf9+rP/4xR/YOo/8AQ2ax/wB+rP8A+MVma74pX7V4dk0HVLaazvNT+z3MkDpKjJ5bMV3c46A8YNdHYarp2qpI2l39rerG21zbzLIFPodpODR/X5f5gZ/9g6j/ANDZrH/fqz/+MUf2DqP/AENmsf8Afqz/APjFbdFAGJ/YOo/9DZrH/fqz/wDjFH9g6j/0Nmsf9+rP/wCMVt0UAYn9g6j/ANDZrH/fqz/+MUf2DqP/AENmsf8Afqz/APjFbdFAGJ/YOo/9DZrH/fqz/wDjFH9g6j/0Nmsf9+rP/wCMVt0UAYn9g6j/ANDZrH/fqz/+MUf2DqP/AENmsf8Afqz/APjFbdFAGJ/YOo/9DZrH/fqz/wDjFH9g6j/0Nmsf9+rP/wCMVt0UAcZ4R0W/l8E6HJH4n1WBX063ZYo4rUqgMa/KN0BOB05JPua2P7B1H/obNY/79Wf/AMYrBXXLnw78GdF1KySKSaOwsUCzAlcMI1PQg9D61ueNNbufDnhK71SxSKSeAxhVmBKndIqnIBB6Me9H/Df194dbDv7B1H/obNY/79Wf/wAYo/sHUf8AobNY/wC/Vn/8Yqee8u08RWVqlxpyWs0MjSQyORcuwxgxr0KjPP4UXnifQdOumttQ1vTbWdfvRT3caMPqCc0AQf2DqP8A0Nmsf9+rP/4xR/YOo/8AQ2ax/wB+rP8A+MVmr4oEHjy+t73U7eLR49LguY3kdFjDO7DdvPXIA74rqLa6gvLZLiznjuIJBuSWJwysPUEcGjpcOtjJ/sHUf+hs1j/v1Z//ABij+wdR/wChs1j/AL9Wf/xituigDE/sHUf+hs1j/v1Z/wDxij+wdR/6GzWP+/Vn/wDGK26KAMT+wdR/6GzWP+/Vn/8AGKP7B1H/AKGzWP8Av1Z//GK26KAOY1DSL23k0uWbxFqd2i6zp2YZo7YK2b2Ec7IVPHXg9u44r2ryJP8An6l/JP8A4mvKtb/1Wm/9hrTP/S6GvW6APHtY0hNe8H3Oly4xdWnlgn+Ftvyn8Dg1xXhDUZvGOu6KbzcG8OWbfbEYf8vjExYPuFRm/wCBCuwj8XeG7aNYLnxDpUM0QCSRyXsasjDgggtkEHtUFr4l8E2Uk8llrWgW73D+ZM0V3Chlb+8xB5PuaFo7/wBf1r+QPVW/r+tDjrG2ubzxR4rju9Q0OC5+2Mssep2RmkNuVHl4JkX5NvbHXNO1LRLIeHvAmkz3cOs2X9qBRKo/dyptkIAGTlRwOp4FdTf6z8P9VlSXVNR8NXskYwj3E9vIV+hYnFWJfE/gucwGbXNBkNsweAvdwnymAxleeDg4yKFoku1vwB6t/P8AEzPGljDoVrpfiDTLaO3GjXYeZIIwoNvJ8kvAHoQ34VP4GUanPrHicncNVuilsf8Ap3iyiY+pDN+NR+KvEmh6v4V1DTtL8UaAlzdwmENcahHsVW4Y8E87SccdcU9PFXh/R9DtLLQtb8PT/ZkSFUuNXSFQirjO5Q/PA4x+NC0v/X9bfiwetv6/rf8ABHX1w+gajZWPxB8Yi9vLe2Lz220TSqm79z2yad/wn/8A0+eD/wDwpf8A7RU13e/DbULp7rULnwrdXEmN8s0ls7NgY5Y8mjrf+ugGZHLos/xT1d/Eslk+bO3OlteMpjMJBLmPdwfm6kf41Q0PR4Nf8P8AjbT9F2jR57snTGi4jEoQFjH22+YBjHHpXT3Wr/D69tILW91DwzcW9uNsMMs1u6RDGMKpOBwO1XIPF3hC2gSG28QaJDEgwkcd7CqqPQANxSto18vxvcd9b+n5WOHk1Q66bbxgGI/sKOzD8j5S5/0kH6Iwz06V2HgyP7U2ra6/LapeuYiT/wAsY/3cf4HaW/4FRHr/AIEhtJ7WHVvDsdvcFmmhW5gCSlvvFlzg57561PbeLPB1nbR29pr+hwQRrtSKK9hVUHoADgCqv/Xrv+RNv69DoKKxP+E18Lf9DLo//gfF/wDFUf8ACa+Fv+hl0f8A8D4v/iqQzborE/4TXwt/0Muj/wDgfF/8VR/wmvhb/oZdH/8AA+L/AOKoANB/5DXib/sJp/6R21eeTpJbXWo/DlCyDUNUWW3x/DZSZlkx7Aoy/wDAq6vRfF3huLVvELy+IdKRZtRR42a9jAdfstuuR83IyrDPqCO1X28S+CX1BL99a0BrxE8tbk3cJkVf7obOQOelC3v/AF3/AE+4OljnfFkU/wDwsrRoDc6fZ2w0+T7EdQtzLF5wcbgo3qA+3bg+mar3elJp3gvxzKmrafevc2zNNb6fD5UcEgjIJ272wzDBPTpXVX3iXwTqdsbfUta0C8gJyYri6hkXPrgnFMj1/wACQ6a2nQ6t4djsmUq1stzAIyD1BXOMGk1eLXr+Oo1pJP0/Aqr4N0y7+G39madZQWklzYJtliQBvMChlYt1Pz4PNZPhbVX8ceJtLvpwQNCsM3KFcYvZMowI9VVG/wC+q6lfGXhSKIJD4j0VVRcKovogAB0H3uBXPeFNX0Lw/od59o8SeHZtUvbqa8mEWpIsTSOSQu7qBjAztPfg1bd5N/1/Wv4IlL3Uv6/rT8Wd/XF+JbmC0+J3hWa6mjgiEF5l5HCqPkXuaZ/wsD/p88H/APhTf/aKnl13wXrdrA3ia88Kz3Ee7CPew3Kx5P8ACzhTyAM8Cp63/rYfkUfGt7pd7rfhdtQubafQftkoumMgaDzhHmIOemM54NRWw0pvjBZjwsLUx/2dKNU+xhfLxkeXu28bs/jj2rYh1f4fW2ny2FvqHhmKzmO6S2jmt1jc8clQcHoPyqWw8Q+BtKhMOl6v4esomOSltcwRqT64UihWT/rqrA9V/Xe5x0emLfQv8PZWIjttQnkwT/y67DJEfpvkQf8AAfatjwpdyeJ9f069ucsdG0wRy85xdyErJ+IEZ/76rcXxN4KXUGvl1vQReOnltcC7h8xk67S2c49qS18S+CbFpmsta0C2M8hkmMN3CnmOerNg8n3NC0/ryt+X4g9f687/ANeR0leZ68QPgBpRJwBZ6dkn6xV2P/Ca+Fv+hl0f/wAD4v8A4qsDw74h8IXHw+0XTtZ1fRJVXTrdJrW7uYWAZY14ZWPUEdD0Io6pgWfHurRXXw/1ldEv4p7hbfc62swdxFuHmHAOfuk81znikeFhoGhr4P8A7OOqfbbf+zvsW0y8MN2dvzY253Z79ea6fT9U+Hek3Bn0u+8MWUzLsMltNbxsV64ypHHA49qdZ6v8PtOumutP1Dwza3D53SwTW6O31IOTQtHf0/D+vzB6q3r+JjeKJ5PDfijVJLY7D4g04Rw84zdoRGv4lZF/75qilgtq3/Cv4iTD/asUoXI/489nnNx6F0Zfxrr7nxN4KvXhe81vQbhrd/MhaW7hYxv/AHlyeD7ikPiXwSdQF+da0A3ix+WLk3cPmBOu3dnOPaiOn9ed1/l6A9f68rf15nSUVif8Jr4W/wChl0f/AMD4v/iqP+E18Lf9DLo//gfF/wDFUAbdFYn/AAmvhb/oZdH/APA+L/4qj/hNfC3/AEMuj/8AgfF/8VQBt0Vif8Jr4W/6GXR//A+L/wCKo/4TXwt/0Muj/wDgfF/8VQBt1ieLf+QLb/8AYT0//wBLIaP+E18Lf9DLo/8A4Hxf/FVj+J/F3hu40mBIPEOlSsNRsXKpexkhVuomY8N0ABJPYAmgB/xGgkt9JsvEFqpafQ7tLpsdTD92Uf8AfJz+FUtD+06vp/inxTprF7jUVkh00gf8s4VZYyP959x/Kt+bxf4RuIHhuPEOiSxSKUeN72JlZTwQQW5FNtvFfg6ytY7az17Q7eCMYSKK8hVVHoADgUraNd/1/wCG/Md9U/6/r/gHnmlaRDqvgHTAfEHh+yt8xSCQWO24inDA/fM2fM3cE45/GunOkafqfxnvW1KzhuzBo8JjEyBwpMjgnB4zitFdW+Hy6kdRXUPDIvidxuhNb+bn135zVpfFPgxbxrtdd0IXLoI2nF5DvZQchS2c4yTxVX1v6/lYm2lv63uc34n1MeAvFV3qkSYtdY05lRAvym7hGIx7blOMe1dZ4S0U+H/Cthpztumjj3TP/ekY7nP/AH0TXOeJNW8Pa9q2hk+JvD/9n2F39ruFfUI/Md1UiMKM4xk5OSOgrQ1Dx3p8c6jStW8M3MW3LNc66sLBvQBY3yOnOfwpLRf1/XX8EN7/ANen9erOon/495P9w/yrjPhlqunx/D3RrV7+1W42MohaZQ+TI2BjOc1PaePLSS6VNR1LwrDbHO94fEAlYcdlMSg8+4pkM/wxt7hJ7eXwlFNGwdJEa2VlYHIII5Bz3o7+f/BA5rQG8JnwBqjeKjp51RpLn+0vtW37R5u9gOvzA4xtx+HNWreO8sPA/gvxDqW9bnS3jW4Z+CLeX92d2fQFCc+ldHcav8Pru/W+utQ8Mz3a423Ek1u0gx0+YnNW7nxZ4OvLaS3u9f0OeCRdrxS3kLK49CCcEULRfd+H+YPV/f8AicTFqMnh+WfxMCS3iK1unRcj55UbNsB7mMkV6F4a0kaF4ZsNNBy1vCqyN/efqx/FiTWbNr/gW4t4Le41bw7LDbMrQRvcwMsRXhSoJwpHbHSrf/Ca+Fv+hl0f/wAD4v8A4qjZWX9f1cN3c26KxP8AhNfC3/Qy6P8A+B8X/wAVR/wmvhb/AKGXR/8AwPi/+KoA26KxP+E18Lf9DLo//gfF/wDFUf8ACa+Fv+hl0f8A8D4v/iqADxb/AMgW3/7Cen/+lkNbdcZ4n8XeG7jSYEg8Q6VKw1Gxcql7GSFW6iZjw3QAEk9gCa2P+E18Lf8AQy6P/wCB8X/xVAG3RWJ/wmvhb/oZdH/8D4v/AIqj/hNfC3/Qy6P/AOB8X/xVAG3RWJ/wmvhb/oZdH/8AA+L/AOKo/wCE18Lf9DLo/wD4Hxf/ABVAG3RWJ/wmvhb/AKGXR/8AwPi/+Ko/4TXwt/0Muj/+B8X/AMVQBt0Vif8ACa+Fv+hl0f8A8D4v/iqP+E18Lf8AQy6P/wCB8X/xVAG3RWJ/wmvhb/oZdH/8D4v/AIqj/hNfC3/Qy6P/AOB8X/xVAG3RWJ/wmvhb/oZdH/8AA+L/AOKo/wCE18Lf9DLo/wD4Hxf/ABVAG3RWJ/wmvhb/AKGXR/8AwPi/+Ko/4TXwt/0Muj/+B8X/AMVQBt1ieLf+QLb/APYT0/8A9LIaP+E18Lf9DLo//gfF/wDFVj+J/F3hu40mBIPEOlSsNRsXKpexkhVuomY8N0ABJPYAmgCDxBdweH/irpWs6pIINPu9PksPtMpxHFLvDjc3RcjPJ9Pao/HOqWHiBdL8O6Rdw3t7dX8MrJbSB/Jijbc0jYzgYHfrmt658WeDry3aC71/Q54X4aOW8hZW+oJxVfTtc8BaQrjSdU8OWIflxbXEEe767SM0LS1+n+dwet/P/Kxi6ppD6x8YJoo9U1DTSmixt5lhIqM375hgllPFL430l49P8K6YdTv3Y6zEn215FNwMq/O7bjIzxxXQDxT4MF6bwa7oQumj8sz/AGyHeUznbuznGecUXHinwZdNE11ruhTGGQSRGS8hby3HRlyeDz1FC0SXn+twerb7r9LFzRNEfRlmEmsalqfmkEG/lVymM/d2quM5/StWsT/hNfC3/Qy6P/4Hxf8AxVH/AAmvhb/oZdH/APA+L/4qgDborE/4TXwt/wBDLo//AIHxf/FUf8Jr4W/6GXR//A+L/wCKoA26KxP+E18Lf9DLo/8A4Hxf/FUf8Jr4W/6GXR//AAPi/wDiqANuisT/AITXwt/0Muj/APgfF/8AFUf8Jr4W/wChl0f/AMD4v/iqANuisT/hNfC3/Qy6P/4Hxf8AxVH/AAmvhb/oZdH/APA+L/4qgDborE/4TXwt/wBDLo//AIHxf/FUf8Jr4W/6GXR//A+L/wCKoAPFv/IFt/8AsJ6f/wClkNZXxGgkt9JsvEFqpafQ7tLpsdTD92Uf98nP4UzxP4u8N3GkwJB4h0qVhqNi5VL2MkKt1EzHhugAJJ7AE1qzeL/CNxA8Nx4h0SWKRSjxvexMrKeCCC3Io80P1MDQ/tOr6f4p8U6axe41FZIdNIH/ACzhVljI/wB59x/KuZ0rSIdV8A6YD4g8P2VvmKQSCx23EU4YH75mz5m7gnHP416HbeK/B1lax21nr2h28EYwkUV5CqqPQAHAqourfD5dSOorqHhkXxO43Qmt/Nz6785prR6eX4C1a18/xM46Rp+p/Ge9bUrOG7MGjwmMTIHCkyOCcHjOKreJ9THgLxVd6pEmLXWNOZUQL8pu4RiMe25TjHtXSL4p8GLeNdrruhC5dBG04vId7KDkKWznGSeKxPEmreHte1bQyfE3h/8As+wu/tdwr6hH5juqkRhRnGMnJyR0FTbRL1/G/wDn94d3/Wlv8jo/CWinw/4VsNOdt00ce6Z/70jHc5/76JrVn/495P8AcP8AKuX1Dx3p8c6jStW8M3MW3LNc66sLBvQBY3yOnOfwqO08eWkl0qajqXhWG2Od7w+IBKw47KYlB59xTl71wXumB4B8JS6h4C0y6XxPr1oJI2IgtriNY0+dhgAxk/rWfCMfs/6UM5/02Hk/9fdd9a+KvBtjapbWWvaFbwRjCRRXkKKo9gDgVCNe8BjT0sRqvh0WaMGW3+0weWpB3Ahc4Bzz9aq/vX80/uYre7b+tjktd1qz074ia+t1p9hqLTWlvbot/eQQbDtJ2gSsN0Z3AkrznjBov9At4/DPgHR9QNtqEP8AaKLKYjuil/ducA/xL29wKlutSs7XxJqmoad4g8H6nDqIU41PUQskG1cbAQGBTqccck1o+F7jwdoeiw2t74i8PXU6XUl2pS4hEcEjknESljsABwMe/rUx218n9z2HLy/rS1ye1sLTS/jIsWm20NpHPobPKkCBFdlmUAkDjIBxW5d/8j9pX/YMvf8A0ba1CfFPgw3ovDruhfahH5Qn+2Q7wmc7d2c4zzis258XeG28baZOviHSjCmnXiPIL2ParNJbFQTuwCQrYHfB9KOiX9bth1b/AK2M7xdqX/CEeNP+EgKn7LqenyW0gHQ3EYLRfiwytU/EekXGgfCjSbKWWNVN9BJqssyF0w7lnLgEErvZcjPQV1l54l8E6jGkeoa1oF0kbiRFnu4XCsOjAE8EetTyeMfCcsbRy+I9FdGBVla+iIIPYjdS2X9d7/18h9f67W/IwNL0cf8ACaaZfza7obTxW8iR2+m2nkvcRFRwf3rZVTgjjik+G+i6a1rq2oPY273j6xd5neMM/EhAwT04z09TWpp+teANJZzpWpeG7EyffNtPBHu+u0jNWLbxT4Mso2Sz13QrdHcyMsV5CoZicljg9Sepqv8AL9bk/wBfgcIyunm/DXcw8zVQY8j/AJh5/fnnvggp+OK9bVQqhVGABgAdq4S11bw9/wAJ9feIL3xN4fKG0jtLNY9QjLqgJZy+T1LHjBPAqzP4+hW4kFtqHhOSEMQjyeIgjMvYlRCQD7ZP1pLZf15f8H1bG92/67/8D5Id8VV3/Dy8UMV3TW43L1H75ORWB8QPCkum+CL26bxNrt6I2i/cXVxG0b5lQcgID3z16iuhg8X6DqdvLB4k1HwsIcqUjj1eO5VyDn5g6IBggEdfwxV668VeDb62a3vtd0K5gfG6Ka8hdWwcjIJx1ANC0++/5B1M/Vv+Sr+Gv+vC7/8AZK8/0y6tda0C30KK30qK5l1I3J1O5vrdZlHnl9xjyZBKR8uMY5644r0248TeDbiVZ28QaGLlI2jiuPtkJkiDddrZyOg/KuAEds3hd/Dc3iDwPJavuRtSe8DzkEnMhjPBl5znf1oWjXl/ncLL+vSx050fTtS+M942oWUF19n0eExCaMMEJkcEgHjOO9Wfh1FHar4ktLZFit7fW50hiQYWNdqHAHYZJ4q5Z+IfBdl5bxa/ohnSBLc3DXsJldF6Bmzk+v1NTW/inwZaGU2uu6FCZpDLKY7yFfMc9WbB5PA5NNafj+dxb7+X5WHaR/yEvFX/AGEV/wDSK3rj/APhKXUPAWmXS+J9etBJGxEFtcRrGnzsMAGMn9a29G8XeGo9W8RNN4g0pUm1BHjL3sYEi/ZbdcjnkZVh9QR2rTtfFXg2xtUtrLXtCt4IxhIoryFFUewBwKm2j/ruM4GEY/Z/0oZz/psPJ/6+6t67rVnp3xE19brT7DUWmtLe3Rb+8gg2HaTtAlYbozuBJXnPGDXWjXvAY09LEar4dFmjBlt/tMHlqQdwIXOAc8/WuXutSs7XxJqmoad4g8H6nDqIU41PUQskG1cbAQGBTqccck05e838/wAkh+f9b3Ir/QLePwz4B0fUDbahD/aKLKYjuil/ducA/wAS9vcCt21sLTS/jIsWm20NpHPobPKkCBFdlmUAkDjIBxUHhe48HaHosNre+IvD11Ol1JdqUuIRHBI5JxEpY7AAcDHv61unxT4MN6Lw67oX2oR+UJ/tkO8JnO3dnOM84qr+9fzb+9WJ6W/rR3OhorE/4TXwt/0Muj/+B8X/AMVR/wAJr4W/6GXR/wDwPi/+KqRm3RWJ/wAJr4W/6GXR/wDwPi/+Ko/4TXwt/wBDLo//AIHxf/FUAbdFYn/Ca+Fv+hl0f/wPi/8AiqP+E18Lf9DLo/8A4Hxf/FUAbdFYn/Ca+Fv+hl0f/wAD4v8A4qj/AITXwt/0Muj/APgfF/8AFUAbdFYn/Ca+Fv8AoZdH/wDA+L/4qj/hNfC3/Qy6P/4Hxf8AxVAG3RWJ/wAJr4W/6GXR/wDwPi/+Ko/4TXwt/wBDLo//AIHxf/FUAcb4gXf+z7pahiu6y08bl6jmLkUz4geFJdN8EXt03ibXb0RtF+4uriNo3zKg5AQHvnr1Fa/hvxH4Sl8A6JY6trGivs0+2WW3ubqI7XWNeGVjwQR36EVsXXirwbfWzW99ruhXMD43RTXkLq2DkZBOOoBoWn33/IfUz9W/5Kv4a/68Lv8A9krz/TLq11rQLfQorfSormXUjcnU7m+t1mUeeX3GPJkEpHy4xjnrjivTbjxN4NuJVnbxBoYuUjaOK4+2QmSIN12tnI6D8q4AR2zeF38NzeIPA8lq+5G1J7wPOQScyGM8GXnOd/WhaNeX+dxWX9eljpzo+nal8Z7xtQsoLr7Po8JiE0YYITI4JAPGcd6s/DqKO1XxJaWyLFb2+tzpDEgwsa7UOAOwyTxVyz8Q+C7Ly3i1/RDOkCW5uGvYTK6L0DNnJ9fqamt/FPgy0Mptdd0KEzSGWUx3kK+Y56s2DyeByaa0/H87i338vysdDRWJ/wAJr4W/6GXR/wDwPi/+Ko/4TXwt/wBDLo//AIHxf/FUhm3RWJ/wmvhb/oZdH/8AA+L/AOKo/wCE18Lf9DLo/wD4Hxf/ABVAG3RWJ/wmvhb/AKGXR/8AwPi/+Ko/4TXwt/0Muj/+B8X/AMVQBZ1v/Vab/wBhrTP/AEuhr1uvD9Q8U+H7+TS7ex13TLmd9Z04rFDeRuzYvYScAHPABP4V7V9stv8An4i/77FAHm9p/wAecP8A1zX+VS1xnju2kj8J2euWqb7vQ5Ir6MA4LIuBIv0KE/lTfGV1Hr9roGiWjb4tcuUlkx3towJX/PCj8aFr9/8AT/P7gen9f1/TO1orlbrxdfPqN7a+HtEXUYtPby55pb1bcGQAExxgqdxAI5OBnjNQ3/xAih0HRNT0zS7jUBrE/wBnjt1YJIj4bgg8cMuDyAOTnijf+u+wHYUVzMXim/t9U0iy17Rk05tTMsast4JRHIgyq5CgHcuSOeoxir1hr39oeJ9U0qG2/daakQkufM+9I4LbAuOy4Oc9+lAGxRRXH+Fv+SgeM/8Arva/+iaFvb+ugHYUVzWreKryHXX0bw9ozavewRLLc7rhYI4FbO0FyDljjoB05qm3j/b4V1HVH0maO70mcQ39jJKA0PI3MGAIZQp3Agc4o3A7Giue1LxbDp/inSNIEHmpqKktciTAhyD5fGOdxBA5FW9N1s6lr2q2EVviHTWjjNx5mfMkZdzLtxxtBHc9aANaiiigAooooAxNB/5DXib/ALCaf+kdtW3XLR6XDra+MtMuhmK6vRE3tmyt8H8DzWXpni2W0+Ec+oXX/IR0uJ7KVM5JuEPlr+JO0/jSvo/6/rp947ao72iuJsLyTwdo2i+GdNsf7R1VrbzZUacQxoM5kkdyDjLscAAk1aXxwy6Drt1d6YYNQ0SMvcWfnhlcbdylZAOQQOuMjuKbsr+QlrbzOsori38catB4cn1678LyW2nxrFKhkvF81omIDMUCnaVB3YJ5HcVtah4iS11rRtNtIRdyaoXYOsmBHEi7jJ0OeqgDjOetOzTsK/U2qKK4/Xf+SqeFP+uF7/6AtLrb+th9DsKKxfEfiMaDHaxW9nJqGoX0pitLSJgpkYDJJY8KoHJPaqWleLLyfXG0XXNFbStRaA3FuouVmjnQHBw4AwQeoI6c0AdPRXGz/EFYfAEfiNdMZ53lMLWAm+ZZFYh13bewVj05xWxP4iQa3o+n2cIuf7SiknMokwIolUEPjBzkso7daP6/UDarE8Ff8iD4f/7Blt/6KWtuvNNd/wCSA6T/ANeenfzio6pAel0VS1jVrXQ9HutT1BitvbRl32jJPsB6k8CuZHjjU7KSzn8Q+GJtM028lSGO6+1pK0bOfk8yMAFM9+Tg8UbuwbK52dFYUPieM6xrlhd2/wBnOkxpPvMm7zomQtvAxxgqR36Vm2/j0T+A/wC3/wCzil15wtxp5n+bzTIEVN+3vkHp0NG/9dw2OvopFyVG4YOOQDnFLQAUUUUAFFFFABWJ4t/5Atv/ANhPT/8A0shrbrE8W/8AIFt/+wnp/wD6WQ0AbdFcfrv/ACVTwp/1wvf/AEBa1vEfiMaDHaxW9nJqGoX0pitLSJgpkYDJJY8KoHJPajon/W9g6m1RXMaV4svJ9cbRdc0VtK1FoDcW6i5WaOdAcHDgDBB6gjpzVSf4grD4Aj8RrpjPO8phawE3zLIrEOu7b2CsenOKP6/QDsqKxZ/ESDW9H0+zhFz/AGlFJOZRJgRRKoIfGDnJZR261tUBe4UUUUAFFFFABRRRQAUUUUAFFFFAGJ4t/wCQLb/9hPT/AP0shrbrE8W/8gW3/wCwnp//AKWQ1t0AFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABWJ4t/5Atv/ANhPT/8A0shrbrE8W/8AIFt/+wnp/wD6WQ0AbdFcR4mEniHx5p/hWS4mh00WT317HDIUa4G7YsZYYIXOSQOtZ/iLw/YeAv7P13wrG2n7b2GC7to5GMVzE7bSCpONwzkGha28/wDO35g9L+X/AA56PRXlfi7/AIRT/ha7f8Jt9n+y/wBkR+T5+7G/zW6Y9s0eME8KJ4R8L/Yxbjw22roz7d3llMSb/frmktUn5/rYHo2v62ueqUVyfghPBf8ApkngcWv8C3Jg3e+3O78a6yqYgooopDCiiigAooooAKKKKACiiigDE8W/8gW3/wCwnp//AKWQ1t1ieLf+QLb/APYT0/8A9LIax9YI0H4maTqoG231mI6bcnPAkHzxN9fvL+NHVIOjZ2dFcXPPHqPxOluLhwtl4asC7seizTDJP4Rr/wCPU3/hP7uOxh1e60BodDmdQLn7WpmWNiAsjQ44U5HG4kDtQtbf1/Vweh21Fcnq3jDUbXxXLoGjeH31S5S1S68z7UsUYUswIYkHHQY65z2xmtDSvEZvdd1TSr21WyuNPWOQAzbxLG653jgYwQQevTrR0uBuUVkeGNdPiTQo9UFqbaKZ38lS+4vGGIV+gxnGcfrWnP8A8e8n+4f5Upe6rgtWSUV5h4B8f+FtJ8BaZY6jrNvBdQxsJImDZU72PYe9RaNcWEHwN0ibUrD+0IBdJth85ovmNyQrbhzwTnHfFVbW3mvxFfS56pUM95bWskKXNxFC87+XEsjhTI2M7Vz1OAeBWBqnifUI9Yu9M8P6J/alxYwrLcmS7W3Vd4JVFJDbmIBPQAcc1yet+JrnV9I8G662lNvm1YNFZ2swlZx5bgDJCgHOc9hjrSWv4fixvT+vK56jWJd/8j9pX/YMvf8A0ba1V0PxTeX3iCfRdb0ZtJvkgFzEouVnSWLdtJ3ADBB4I/WrV3/yP2lf9gy9/wDRtrQBt0VxnhJl0PxZr/hthshEg1KzyePKl++B7K4P51n6DrcVhpWseMLmKS4k1rUPJsoY8bpkQ+VCgzwMkMc9MHNC/T+l/XYP6/W/3HodFczp3iq8fXrbSdd0hdPmvI2e1khu1uEcqMshIVSrAHPQg881V0bxnq2vXtwmn+GW+yW11Nay3ct4qLuQkAqNuWBwM+me+KAOworkx47hPw+fxKbMiVCYmsfN+YT79nlbsdd2OcdDnFdTEztCjSoEcqCyg52nuM96AH0Vx3xVdY/h5eO52qs1uST2HnJWB8QPHvhjWfBF7YaZrEFxdTNF5cSBstiVCeo9AaFr99vyGeoUVzN/PYx/EPRIZbDzL2WzuDFd+cw8lV27l2dGznqemKyr74halFpbaxp3htbnSPtP2dbqa/ETH5/L3lAjYTdx1z3xR2/rrYX9fhc7Vby2a8a0W4iNyiCRoA43qpOAxXrjIPNTV5zcanqdl8WLv7Bor6hezaNBuhS4VI4iJGzukYdOcDC5PpXWeF/EP/CR6bNNJZyWN1a3D211bO4cxSrjIDDhhyOaFqv672Dr/Xa4mg/8hrxN/wBhNP8A0jtq26wNI/5CXir/ALCK/wDpFb1S+F//ACTPRv8Ark3/AKMajv8A13A6yiuKfx1qdzFdX+h+GJtR0i1d1a7+1pG8uwkOY4yCWAwccjOK0k8Y20974fFtCXstdjdobpnxsdV3BCuOpGe/Ud6FqD0OjorndL8XQ6l4k1jSng8hdNAKztJkTqMhyBjjawweTV7w3rD6/wCH7bVHtfsouQXjj37/AJMna2cDqMHHvRurhs7GpRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAGJ4K/wCRB8P/APYMtv8A0UtbdeZeIHWP9n3S3c7VWy08knsMxUz4gePfDGs+CL2w0zWILi6maLy4kDZbEqE9R6A0LX77fkM9Qormb+exj+IeiQy2HmXstncGK785h5Krt3Ls6NnPU9MVlX3xC1KLS21jTvDa3Okfafs63U1+ImPz+XvKBGwm7jrnvijt/XWwv6/C52q3ls141otxEblEEjQBxvVScBivXGQeamrzm41PU7L4sXf2DRX1C9m0aDdClwqRxESNndIw6c4GFyfSus8L+If+Ej02aaSzksbq1uHtrq2dw5ilXGQGHDDkc0LVf13sHX+u1zaooooAKKKKACiiigDN1v8A1Wm/9hrTP/S6GvW68k1v/Vab/wBhrTP/AEuhr1ugDyxYI7rSVt51DxSwbHU9wVwRXF+AvC+saVqssmvxr5WmQHT9LferGSHzGYvwflJGwYOD8tdDHc+JFjUW2k6VJCABG8mqSIzL2JUW5AOO2Tj1NO+1+Kv+gNo//g2l/wDkahaO/wDX9b/eD1VjkpfB503xBq0s/g6z8R29/ctdQXBaESQlgN0b+ZjjdkgjPBrW1Dw/eSx+E1stLtrRNP1AT3Nvauvl26bHBxkLu5YdB3rX+1+Kv+gNo/8A4Npf/kaj7X4q/wCgNo//AINpf/kahaJLtb8Aet/O/wCJT+IdoZ/BlzeROsdzpbLqFu7dA8R3Y/EZH407wHYzW/hlb2/QLfarK9/c47NIcqv/AAFdo/Cm6taa7rmmS6fqmgaRPazY8yP+2p13YII5W3B6gUt9B4i1C1W3m0jT441II+zeILmBuBjG6OBTj2zihaX/AK9f0+4Hrb+vT9fvOmrhI18R6F4z8Q3ll4Zl1O11GSF4pY72GLGyMKeGbPX27VL/AMI7rH/QP/8ALx1H/wCN1tC68Ugf8gbR/wDwby//ACNR5gYZt/EejeJrvXNO0EahFrFvAbmzF5HHLaSxrjG5jtYYOMg9R+dnw74Yu3tNfufEkUMVz4gkJmtYn3rDHs2Km7ucZyRxWp9r8Vf9AbR//BtL/wDI1H2vxV/0BtH/APBtL/8AI1FlZr5B1ucnY+F/EEnhe+fUbYf2xbi2jsR5yHzRbEMjbgcDexbgnvziur8Jadc6forPqMRivry4lu7lCwYq7sTtyMg4XavHpS/a/FX/AEBtH/8ABtL/API1H2vxV/0BtH/8G0v/AMjU7sVkbdFYn2vxV/0BtH/8G0v/AMjUfa/FX/QG0f8A8G0v/wAjUhm3RWJ9r8Vf9AbR/wDwbS//ACNR9r8Vf9AbR/8AwbS//I1ABoP/ACGvE3/YTT/0jtq5i68H6o3xDYQwK3hy7uotTuWLrxcRqw2bc5IZgjE4xxV/RbnxINW8QmLSdKZjqKGQNqkgCt9lt+Afs5yMbTnjkkY4ydj7X4q/6A2j/wDg2l/+RqNncOljD8XeFpLzxVZa6mh2uvwpbNa3FjOUDAbtyyJv+XIJYHJHBpJvD803gXX7PTfC9notxfW7xw20Eke+U7SBvK4QHJ4+Y/UVu/a/FX/QG0f/AMG0v/yNR9r8Vf8AQG0f/wAG0v8A8jUre64jvrct22niXw1Fpt/H8r2iwTISD1Taw/nXEfDGwvZry8vNUdJv7JT+xbOQc70icl3/AB+Qf8BrqzdeKSCDo2j8/wDUXl/+Rqoafp2taVo/9l6doGk29phgFTXLgMNxJJ3/AGfdnJJznNVf3nL+v63+8my5VH+v62+46uuP8V2msp4v0HWNH0h9USxjuEljS4jiI3hQOXI9D0qD/hHdY/6B/wD5eOo//G61bMeJbG1S3g0jTWRM4M+u3Ez8nPLvblj+JpeYzJ1S38R6rNpXiCDQha6jpFxKP7OuLuMm5ikQKxWRSVU56A+h/GbTtO1vW/G1rr+uaamkQadbSQ21sbhZpJHkxuZivygYGAMk1r/a/FX/AEBtH/8ABtL/API1H2vxV/0BtH/8G0v/AMjULRg9Vb+u5hWnhe/j8b3CTWwOg/aJdQikMi8zSxhGTb94cmRs9PmqXwRoOqafeTTa5AY2s7ZNOsmMqvvhRmPmcHjcCmQcH5a2Ptfir/oDaP8A+DaX/wCRqPtfir/oDaP/AODaX/5GoWn9f100B6/1/XXU268+vNLvtY+BukWelW/2m6awsXSIOqbtojY8sQOgPeum+1+Kv+gNo/8A4Npf/kasfwjc+JF8E6GLbSdKkhGnW4jeTVJEZl8tcEqLcgHHbJx6mgBurRa94z8P6jot94fk0XzoN0N1NdxSr5isrKpCEkAkdcdqqapa+K/GFnaaNqmgxaTaieOW8uzepKHVGDYjVeckjq2MV0v2vxV/0BtH/wDBtL/8jUfa/FX/AEBtH/8ABtL/API1C0dw3Vv61MXxl4d1LUNZt7jR4PMjvrc6dqJ8xV2Ql1bfz1wN4wOfmpJPDeoHx2AttjQjdJqRkEi4E6xGMJtznqFfOMZFbf2vxV/0BtH/APBtL/8AI1H2vxV/0BtH/wDBtL/8jULT+vn+eoPX+vl+Wht0Vifa/FX/AEBtH/8ABtL/API1H2vxV/0BtH/8G0v/AMjUAbdFYn2vxV/0BtH/APBtL/8AI1H2vxV/0BtH/wDBtL/8jUAbdFYn2vxV/wBAbR//AAbS/wDyNR9r8Vf9AbR//BtL/wDI1AG3WJ4t/wCQLb/9hPT/AP0sho+1+Kv+gNo//g2l/wDkasfxPc+JG0mAT6TpSL/aNiQU1SRju+1RbRg244JwCewJODjBAH+K7TWU8X6DrGj6Q+qJYx3CSxpcRxEbwoHLkeh6VX1S38R6rNpXiCDQha6jpFxKP7OuLuMm5ikQKxWRSVU56A+h/Hd+1+Kv+gNo/wD4Npf/AJGo+1+Kv+gNo/8A4Npf/kajZAZGnadret+NrXX9c01NIg062khtrY3CzSSPJjczFflAwMAZJqG08L38fje4Sa2B0H7RLqEUhkXmaWMIybfvDkyNnp81bv2vxV/0BtH/APBtL/8AI1H2vxV/0BtH/wDBtL/8jUf1+v5h/X6fkY/gjQdU0+8mm1yAxtZ2yadZMZVffCjMfM4PG4FMg4Py12dYn2vxV/0BtH/8G0v/AMjUfa/FX/QG0f8A8G0v/wAjU73A26KxPtfir/oDaP8A+DaX/wCRqPtfir/oDaP/AODaX/5GpAbdFYn2vxV/0BtH/wDBtL/8jUfa/FX/AEBtH/8ABtL/API1AG3RWJ9r8Vf9AbR//BtL/wDI1H2vxV/0BtH/APBtL/8AI1AG3RWJ9r8Vf9AbR/8AwbS//I1H2vxV/wBAbR//AAbS/wDyNQBt0Vifa/FX/QG0f/wbS/8AyNR9r8Vf9AbR/wDwbS//ACNQAeLf+QLb/wDYT0//ANLIa264zxPc+JG0mAT6TpSL/aNiQU1SRju+1RbRg244JwCewJODjB2Ptfir/oDaP/4Npf8A5GoA26KxPtfir/oDaP8A+DaX/wCRqPtfir/oDaP/AODaX/5GoA26KxPtfir/AKA2j/8Ag2l/+RqPtfir/oDaP/4Npf8A5GoA26KxPtfir/oDaP8A+DaX/wCRqPtfir/oDaP/AODaX/5GoA26KxPtfir/AKA2j/8Ag2l/+RqPtfir/oDaP/4Npf8A5GoA26KxPtfir/oDaP8A+DaX/wCRqPtfir/oDaP/AODaX/5GoA26KxPtfir/AKA2j/8Ag2l/+RqPtfir/oDaP/4Npf8A5GoA26KxPtfir/oDaP8A+DaX/wCRqPtfir/oDaP/AODaX/5GoA26xPFv/IFt/wDsJ6f/AOlkNH2vxV/0BtH/APBtL/8AI1Y/ie58SNpMAn0nSkX+0bEgpqkjHd9qi2jBtxwTgE9gScHGCAT+JtG1ZPEWn+JfDkUN1d2kT289lNJ5YuIWOcK/8LAjPPH9alzZ+I/GF/YRaxpCaJpVncpdTI90s0tyycoo2cKueTk5PFbn2vxV/wBAbR//AAbS/wDyNR9r8Vf9AbR//BtL/wDI1C0/r5g9StFpV6vxOuNWaHFi+lJbrLvXmQSliuM56d8Yo8W6Ve6nd+H3sYfNWz1WK4nO9V2RhWBbk89RwOas/a/FX/QG0f8A8G0v/wAjUfa/FX/QG0f/AMG0v/yNQtLeX+dw3v5/5WNuisT7X4q/6A2j/wDg2l/+RqPtfir/AKA2j/8Ag2l/+RqANuisT7X4q/6A2j/+DaX/AORqPtfir/oDaP8A+DaX/wCRqANuisT7X4q/6A2j/wDg2l/+RqPtfir/AKA2j/8Ag2l/+RqANuisT7X4q/6A2j/+DaX/AORqPtfir/oDaP8A+DaX/wCRqANuisT7X4q/6A2j/wDg2l/+RqPtfir/AKA2j/8Ag2l/+RqANuisT7X4q/6A2j/+DaX/AORqPtfir/oDaP8A+DaX/wCRqADxb/yBbf8A7Cen/wDpZDUXjfRJte8K3FvYj/T4StzZnIGJkO5eTwM4x+NZnie58SNpMAn0nSkX+0bEgpqkjHd9qi2jBtxwTgE9gScHGDsfa/FX/QG0f/wbS/8AyNQNGd4e8OXUnhDUYdfjFvqOttPJehGDeWZAVCgg4O1cDrXP6L4UksrO00+++H2k3F3b7Y31IvD5MgH/AC06GTJHONvXuK7H7X4q/wCgNo//AINpf/kaj7X4q/6A2j/+DaX/AORqezuv6sLpb+tStbaTex/Eu+1VocWUumxQJLuXl1diRjOehHOMVz3xMs76LUtMvNEdUvNUV9FkBOCUlGQ//ACGP411X2vxV/0BtH/8G0v/AMjVSurLW73U7LULrw/o8lzYlzbudZnxGWGGOPs+Cceo4qbLRP8Arv8AnYO7X9dvyOgsLKHTdOt7K1QJBbxLFGo7ADAqWVS0LqvJKkCuW1DTtf1OdZbnS7ZGVdoFt4nvIFx7rHCoJ564zUdnpGu2N0lxDpsLOmcCfxXfTIcjHKPEVP4im/evcF7uxe8CaXeaN4F03TtSh8m6gjZZI9wbaS7HqCR0Irmo/Cusr8IdP0Q2f/Exhuo5Hh81OFFzvJ3Zx93nrXWfa/FX/QG0f/wbS/8AyNR9r8Vf9AbR/wDwbS//ACNTvd39H9wraWOI1Ox1jWfH3iF9DNw8UaQ2072uoLaZwmTGQ0T7m+YncCMBsZ9LtjB/b2l+FjoWlPZ2+iaqYrq3eZW+ziNXRsNn5xkjkZJzVzUvCt3quoyX934a0pbqVAkstvr91AZQOzeXAu78c1q6fDr2k2EVlpvh7Q7a2hGEij1WUAd/+fbqTyT3NKOi+78By1/rysEmlXrfE+HVxD/oK6S9sZd68SGUMFxnPQZzjFWbv/kftK/7Bl7/AOjbWj7X4q/6A2j/APg2l/8Akase5ufEn/CbaYW0nShMNOvAiDVJCpXzLbcS32fIIO3Awc5PIxydLf1vcOtyL4geH9avbqy1TwrGHvxFLYz5kVMQSqfnySM7WwQOvNWfFHg0X3guw0rS4LeVtLlhmgt7gYim8vgo3B+8pb8TWp9r8Vf9AbR//BtL/wDI1H2vxV/0BtH/APBtL/8AI1LpYfW5k+HNHih1eO4j8CWOheWh3XJeEybiMYQR5465JK/SrvgnSr3SNLvodRh8mSXUrmdBvVso8hKngnqO3WrP2vxV/wBAbR//AAbS/wDyNR9r8Vf9AbR//BtL/wDI1USccdGnf4syaMmxtIM6a/Mn92XaUCke7gP+FemVy9tZa3aarealb+H9HW7vQgnlOszkuEGFGDb4AA9MVUn0PW7i4kmk05A0jFiI/Ft+ign0VYwAPYACktEl/X9WsvkN7t/1/V7l/wAfaVe614PuLLTIfPuHlhZU3quQsqseSQOgNL4+0q91vwTfWGmQ+fdStEUj3hc4lVjySB0BqHTrPxDpfmfZtLs38zG77V4ku7jGPTzIWx17YzV77X4q/wCgNo//AINpf/kajb77/l/kHW5T1TTbs+PNG1cRf6DZWVylxMXHyFguOM5PQ9BXnWl2Wow+Eota1Owu7/Q4ZXv2gj1VI4pAHL+aITECF/iCb8Z7V6gbrxSQQdF0cg9R/a0v/wAjVzS+BismR4S0fy/M837N/b115G718nyNn4bcULT+vO4af16WNjTLK5uPH9xr6QsNOvNJgSGViAS29mIK5yOGHapfCOlXul3HiBr6HyheatLcwHerb42VAG4Jx0PB5qwLrxSBgaNo/wD4Npf/AJGpftfir/oDaP8A+DaX/wCRqe23n+LuLXr/AFpYZoyltU8UqvJOoqB/4B29c/4Kk8UaFoOmaHe+EpgkJ8uS7F/AVVS5JbaGycA9OvFW9FufEg1bxCYtJ0pmOooZA2qSAK32W34B+znIxtOeOSRjjJ2Ptfir/oDaP/4Npf8A5GpDOX0608X+GdCm8N6doMF/EjSraaj9tSOMI7EgyIfmyu7kDOcde9Xp/CF1pvw80rTdLAutS0aSK4gwwTzZFbLqC3ADBnHPrW19r8Vf9AbR/wDwbS//ACNR9r8Vf9AbR/8AwbS//I1Gv5fhsG7+/wDHc5TUfC2ux6DpjabbZ1G4guLbUdsyKYhcne75JAba/p+Feg2ltFZWcNrbrtigjWNFHZQMCsn7X4q/6A2j/wDg2l/+RqPtfir/AKA2j/8Ag2l/+RqANuisT7X4q/6A2j/+DaX/AORqPtfir/oDaP8A+DaX/wCRqANuisT7X4q/6A2j/wDg2l/+RqPtfir/AKA2j/8Ag2l/+RqANuisT7X4q/6A2j/+DaX/AORqPtfir/oDaP8A+DaX/wCRqANuisT7X4q/6A2j/wDg2l/+RqPtfir/AKA2j/8Ag2l/+RqANuisT7X4q/6A2j/+DaX/AORqPtfir/oDaP8A+DaX/wCRqANuisT7X4q/6A2j/wDg2l/+RqPtfir/AKA2j/8Ag2l/+RqAObudKvda+COjWWmQ+fcPY2DKm9VyF8tjySB0Brc8faVe634JvrDTIfPupWiKR7wucSqx5JA6A1n+EbnxIvgnQxbaTpUkI063EbyapIjMvlrglRbkA47ZOPU1sfa/FX/QG0f/AMG0v/yNR/nf8v8AIOtynqmm3Z8eaNq4i/0GysrlLiYuPkLBccZyeh6CvOtLstRh8JRa1qdhd3+hwyvftBHqqRxSAOX80QmIEL/EE34z2r1A3Xikgg6Lo5B6j+1pf/kauaXwMVkyPCWj+X5nm/Zv7euvI3evk+Rs/Dbihaf153DT+vSxsaZZXNx4/uNfSFhp15pMCQysQCW3sxBXORww7VL4R0q90u48QNfQ+ULzVpbmA71bfGyoA3BOOh4PNWBdeKQMDRtH/wDBtL/8jUv2vxV/0BtH/wDBtL/8jU9tvP8AF3Fr1/rSxt0Vifa/FX/QG0f/AMG0v/yNR9r8Vf8AQG0f/wAG0v8A8jUhm3RWJ9r8Vf8AQG0f/wAG0v8A8jUfa/FX/QG0f/wbS/8AyNQBt0Vifa/FX/QG0f8A8G0v/wAjUfa/FX/QG0f/AMG0v/yNQBZ1v/Vab/2GtM/9Loa9brw/ULjxA8mlrfaZpkMH9s6dueHUpJGH+mw4wpgUHnA6jHXnpXtW65/54xf9/T/8TQB5Jea9baLHpEd5HMV1CVLVJUUFI3Zfl3EngHGBjPNTa9rlt4e0l9QvElkRXSNY4QC8jMwVVUEgE5PrWb4s0h9b8A3Nrb5Fytus1uy9VlTDIR+I/WsCHVh451TwlHFhoIoP7WvVH8LqNka/9/Nx/wCA0LV28/w/pMHpr/V/6aPQx09KK8vkvdV8Ra5rbGDxG8NndvZWw0m8it44tgHzMDIpdiTn5gRgip9Xm8Sy6B4PtNRv7nStUu9QFvdywMu5l2P1CkrkgA9wDz2oWqT72/EHo7dr/gek0Vw+rW9x4Ou9AvotU1G709Lo2l6Ly7aUlZjhHbPB2vjnrg4q/wCGbq61bxNr+pvcSmwjnFjZw7z5f7r/AFjhemS5Iz/s0LXb+tv80D0/r+uzOprNsNcttR1jU9NgSVZtMeNJmcAKxddw24OTx6gVpVx/hb/koHjP/rva/wDomhb/AC/VAdhRXEXMV54q8darpcurX+nWGkRQbYrCYwvM8ili7OOcADAHTNZSXGuTeG/FujW+qXdxeaFOrWd4XxLIgUSCN2XG44BUnvmlfS79fkO2tv62uemUV53qPiS6vPEejatp11IulWsds13Ekh2SfayUG4Drt+UjPTNdB4YnuNS1rXtSkuJXtDd/ZLWIyEoqxDa7AdAS+7JH92qs/wA/w/4cm/6fidJRRRSGFFFFAHMW+pJo7eMNRlgmnjtb9ZXjgUM7KLO2JwCQDx71vWt/b3mlw6hDIDbTQiZXP9wjOfyrL0VFl1bxRHIoZG1JFYHuDZ29cHFfXWn+BdV8GQyE6jDqH9k2mTz5Mx3I30EZb/vmlrqlv0/L9UPTRvbr/XyZ6ToWsweINEt9UtIpooLkFo1nUBiuSAcAng4yPYitCvO/EM93beItL8KaXBqh0+104TtFpUyQyyBWEaguzKQoxztOTkVG0viLTfAviw3n9p2tvBbNJps17cI9ynyHcC6MScMOCTnnrxTk0k5LbX8BJO6T3/zPSKK4CTw7q0fgOfULPxDq13rEtrHdK0lyQhkQb9qouAoYZUjoe/rVi316XxV4m8OjS55YbNLI6neLHIQG3jZHG2OvzbyQf7tNr3uX+v60Yr6X/r+tUdvWbd65bWfiDT9IlSU3GoJK8TKBsURgE7jnPfjANaVcfrv/ACVTwp/1wvf/AEBaS3S/rZj6HYUVyfjG6vZtY0Lw/ZXs2npqssv2i6gOJAkabiiN/CWz16jFUbSO88N/ECy0NNW1DUNP1SzmkKXs5mkt5Ex8yueQCDjHrRv/AF2B6f152O6ory5r7WrvwWnhu31K4XXItRmsmuhM3mlYg0octnPzKEHvu963dP1mfxL4k0F7WeSK2h0z+0LuOORlDvINiIw7gEOcH0oWu39aXB6f152O0rktJ1y28O/CnQ9SvUlkhj0+zQrCAWyyIo6kDqfWutrzTXf+SA6T/wBeenfzio6r1X5h0PS6KwfG+s3OgeC9R1Kx2/aIYwI2YZCszBQxHtnP4Vy2vafqPgrTLPXbXxHq1/cJdQx3UF3ceZFcq7BWCxnhDzkbegoWrt8geiv/AFoej0Vw2oazdeHPEviRbm4klhm05b+wSSQkI6gxsignAy2w4H96syG91eDwifDE+o3L6z/aqaf9rMzedsfExfd14jLDPtQtf687fgwen9eV/wAj0yikUbVAGTgY5OaWgAooooAKKKKACsTxb/yBbf8A7Cen/wDpZDW3WJ4t/wCQLb/9hPT/AP0shoAn13xFp3h21jm1OVgZn8uGGJDJJM/91EHJNZ+m+Mkv9RhtLjQNd04z8Ry3lliMnGcFlZtp/wB7FZ1+VPxr0pb0L5Q0iY2e/wD57eYN+3/a2fpTr/XfE2keMtJsr7+yZdN1S7khj8mKQTIoUsCSW256Z49aF0v1/wA7A9L+X+Vzs6K4Gxsbzxrq+t3F5rmqafBYXz2NtbadcmAIEAy7Y+8STkZ4A+tZ8PinW5vAdtbm926jNrX9jNqQjGdu8jzQOmcDH1oWtvO342/zQPT+u1/8j06iuAu7W88F+JdA+x63qmoWup3X2O5ttQuTPnKkiRSeVII5xwaXT7O/8X6zrl7Lr2qacNPv3srS3s5gkcflhfndcEOSTnDZGKXTT+tv80H9fn/kzpvC2vf8JL4eh1T7N9m815E8rzN+NjsnXA67c9O9bFcd8KQy/DiwWRt7CW4DNjG4+e/OK7GqejDqwooopAFFFFABRRRQAUUUUAYni3/kC2//AGE9P/8ASyGtusTxb/yBbf8A7Cen/wDpZDW3QAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFYni3/kC2/wD2E9P/APSyGtusTxb/AMgW3/7Cen/+lkNAE2veI9P8OW0Ul+0jyzv5dvbQRmSWd/7qIOSf0rO07xzZXmrQ6bfadqej3Vx/x7rqVt5YnPUhWBIz7ZBqhfYPxs0oXWCg0iY2ue0vmDfj32UvxOUPoelpHj7W2r2otTj5g+/t+GaI9G+r/WwPr5L9LmhrHjOHSde/siLR9V1K6+zi4YWMKOFQsV53OD1FJf8AjSHTdGsb+70bVlkvrn7NFZeSnn7+cZXfjnb69xWFqja2vxgm/wCEdj0+Sf8AsWPzBfyOihfObpsBOc4pfG7a1/Z/hUzR2A1f+2YsIkj/AGfftfHzY3YxjPFJbLzf62B7vyX6XOq0TXpNZaYSaLqmmeUBg38SJvzn7u1mzjH61r1laI3iBlm/4SSLTY2yPJ+wSSOCOc7t6j26Vq1TEFFFFIYUUUUAFFFFABRRRQAUUUUAYni3/kC2/wD2E9P/APSyGrEevWz+KJdBaOaO6jthdKzqNkqFtp2nOSQeDwOtV/Fv/IFt/wDsJ6f/AOlkNY/jsnSNT0HxMmVWxuxbXRH/ADwm+Uk+wbaaOq/r+tQ6M6G71y2tNfsNHZJZLq+SSRPLAKxqgBLNk8DJAGM8mtKuEtrx5Nf8V+KxH50emWzWNmP73lKXl/N8D/gNYFk3iq70ey1bTYPEc+qzeXcebLewfY5VbBZfJ8zATaTjChhxQtbf1vt+APT+u2/4nrVFcDqNlfa78ULzTDrmp2FhFpkMzQWU5jLOXcZDfw++OvGelTnWJPCfi7V4NVu559Pn0/8AtG1aeUvsMQ2yoM+vytgcc0rq135/hf8AyH1svL8bf5nb0jsERmPRRk1g+CYdQj8JWcuszSzX10Dczea5YoXO4IM9AoIGO2K25/8Aj3k/3D/Kid4pijZlLQtat/EOhW2rWSSpBcqWRZQAwAJHIBI7etUbTxbbX/he21yx0/ULmC5kEawwwh5R85QsVBxgEZJz0rj/AAC/jQeAtMGk2+gtZ+W3lG5nmWQje3UKhHXPQ1V0+8urH4DaVNaXEttN9riUvC5U4N1gjI5wQSKtr3mvNfixfZv/AFses1j65r39jX2kW/2bzv7SvBa7vM2+XlWbdjBz93px1rjvE2s2TeMNVsPEPiO+0m2tbSJrJLC4aIu7BixJTln4XCHtyAc1m3On6nJ4V8Cw3l7f2uo3Opq8s9xIZZoyY3/56ZwdvboCelStfvX4sb0v6P8AK563WJd/8j9pX/YMvf8A0ba1iaLFd6D8R5NDGrX+oWNzphvAL+bzWjkWQJ8rHkAg9Olbd3/yP2lf9gy9/wDRtrR0T/rsHWxY0PXrbX7e5ktY5oWtbl7WaKdQro6HngE8cgj2NLYa5balq+pafbJKX010jmlIGxmZd21TnJIGM8DqK5aW+i8I/EjU5LpvLsNWsDejJ4E0Aw+Pcpg/hWUbnVPD3w2s7iJZo9V8Rakr3Dw7fMQzsW+XcQobYFUZOAaFql/Wt7foxvf+trX/AMj1CiuC8P2+vWniq08i016PS5InW8GsXsVwAwGUdCJGYHPBA456VF4L0u91p7/U9S8QatIINTuoILZLopGqB2GDjluvGTxgYxij+vxsI9CorzH+3NVXwTN4b+2THxAmpjSFufNPmMGO4Tbuv+qyc+or0uKPyoUjDM2xQu5zknHcnuaOl/67/qg62/rsUNf1y28O6PJqV6kskMbohWEAtlmCjqQOp9aNf1u28OaJPql8kskEBUMsIBY7mCjAJA6sO9YHxV3f8K8vPLwX86327umfOTrWB8QH8ZnwRejWbfQkst0Xmm1nmaQfvUxgMgHXHfpQtfv/AMh9T0OXUvL1i2sPsV4/nxNJ9pSLMMe3+FmzwTngd6u1ympXlzH8TPD9rHcSrby2V00kKuQjkbMEjoSMnFcDPqx1vS1eLxJq7+J5tR8safZXkkcflibbgKmAIxGM7x379qFrZd/87E9/66XPUYde87xldaD9mx9ns47rz/M+9uYrt244xt65rYrzm40OTU/ixd2cerX9jBFo0AkNrLtllxIwGZDlh6nHJ9a2vAF3eSWOrWF/eTXp0vU5bOK4uDukeNQpXce5+brQtV9/52/yG9H935XNHQf+Q14m/wCwmn/pHbVmzfEOwM8y6XpWsaxBbsUlutOtPMiVgeQGJG4j/ZzSuZxZeOTaHE4uG8o/7X2CDH61Y+HYtx8OdC+xhRH9jTO3+/j5vx3ZoWt/K343/wAg2t/Xb/Mtx+K9LuPCs/iGzle4soInlcRrhxsBLLtbGGGOhxVPR/GR1m5to4vDmuW0Nwu5bq4t41iC4yCSHJwfp3rk4lH/AAjvxMe2x9ka4uAgUfLvEI8zH49a6Lwc/is6bpQ1GDR10z7JHhoJpTNt8sbeCoXPTPPrQtdfJfjcHpp6/hYF+IMc9zdRWPhvXr1bW4e2ea3t42QuhwcEyD+Vdcp3KDgrkZweorzTwe/ioNrY0OHR3s/7butxvJpVkzv54VSMdO9emUL4U/T8gfxNev5hRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHJaTrlt4d+FOh6lepLJDHp9mhWEAtlkRR1IHU+tbev63beHNEn1S+SWSCAqGWEAsdzBRgEgdWHeuE8Qbv+GfdL8vBf7Fp+3d0zmLrTPiA/jM+CL0azb6Ellui802s8zSD96mMBkA6479KFr9/+Q+p6HLqXl6xbWH2K8fz4mk+0pFmGPb/AAs2eCc8DvV2uU1K8uY/iZ4ftY7iVbeWyumkhVyEcjZgkdCRk4rgZ9WOt6WrxeJNXfxPNqPljT7K8kjj8sTbcBUwBGIxneO/ftQtbLv/AJ2J7/10ueow6953jK60H7Nj7PZx3Xn+Z97cxXbtxxjb1zWxXnNxocmp/Fi7s49Wv7GCLRoBIbWXbLLiRgMyHLD1OOT61teALu8ksdWsL+8mvTpepy2cVxcHdI8ahSu49z83Whar7/zt/kN6P7vyudZRRRQAUUUUAFFFFAGbrf8AqtN/7DWmf+l0Net15Jrf+q03/sNaZ/6XQ163QB5jaf8AHnD/ANc1/lWN4d8HaZ4YvdRudNMxfUJfMcSsCIxlm2JgDC5YnHPWlj8MWFxGs0lxqoaQB2Eer3SKCeeFWQAD2AAFO/4RLTv+fnWP/B3ef/HaAILvwbbTatc6jYanqWlTXeDcixmVUmIGAxVlYA44yuDVm48MWVwmkK811/xKZxcQFpi7OwUj52bJb7x75pv/AAiWnf8APzrH/g7vP/jtH/CJad/z86x/4O7z/wCO0bBuQePoTc+A9WgSymvpZYCkUEEZdzISNhAHo2DntjNP0i3tvBvhHT7OZLmQQoEkNvbS3DNIcs7EIrHltxzjHNSf8Ilp3/PzrH/g7vP/AI7R/wAIlp3/AD86x/4O7z/47RtcOwf8Jbp3/PtrH/glvP8A41VC78CxXOt3uqWmva1p0t8UaZLOeNEJVQo4KE9B61f/AOES07/n51j/AMHd5/8AHaP+ES07/n51j/wd3n/x2gCpfeB7S8uILuLVNVsr+OBbeS9tLgJLcovTzPlKse+cD+VaWg+HrDw7p72lgsjCWQyzSzuZJJ3PVnY9Sag/4RLTv+fnWP8Awd3n/wAdo/4RLTv+fnWP/B3ef/HaAKtl4E0ux8O6ho0U121vfkl3eQF4hgBQhxwFwMcHHvWxo+lw6LpMGn2zySRwg/vJSC7kkksxAAJJJJ4qj/wiWnf8/Osf+Du8/wDjtH/CJad/z86x/wCDu8/+O0AbdFYn/CJad/z86x/4O7z/AOO0f8Ilp3/PzrH/AIO7z/47QBt0Vif8Ilp3/PzrH/g7vP8A47R/wiWnf8/Osf8Ag7vP/jtABoP/ACGvE3/YTT/0jtqZP4O0y48aQeJ3M322GLyxGGHlMcMA5GMlgGIznpWVovhiwk1bxCrXGqgRaiiLt1e6UkfZbc8kSZY5J5OTjA6AAbH/AAiWnf8APzrH/g7vP/jtHmHSw7W/DNprdza3bXF1Y31puEN3ZyBJFVvvLyCpBwOCDUZ8KW8ugahpd3qGoXa6gjJPcXE4aTBGPlGNq8dgoFO/4RLTv+fnWP8Awd3n/wAdo/4RLTv+fnWP/B3ef/HaVtLDvrc1ba3SzsoreMsyQxhFJ5JAGO3fiuM+HOipoej6rqs1lc2ZvruWVLeSJvNit1ZvLTZjPdiFA/ire/4RLTv+fnWP/B3ef/HaP+ES07/n51j/AMHd5/8AHad3dsVlZIP+Et07/n21j/wSXn/xqquqeHrTxdLp+rRX+raZNaLIsLwKbaTDYDbllTcPu+gq1/wiWnf8/Osf+Du8/wDjtH/CJad/z86x/wCDu8/+O0AVJvA9pd6SlnqGqareTQz/AGi3v5bgC4t3xj5HVRgY7EHr9Kn0TwhZaNqUupPd32pahJH5X2u/m8x1jznYuAAozzwKk/4RLTv+fnWP/B3ef/HaP+ES07/n51j/AMHd5/8AHaPMB0Phexg8WTeIEkn+0zR7GiLjygcKC4XGdxCqM56Ck8P+F7Lw5JetYyXEn2uXzCJ2DeWMkhFwBhQWbAOetJ/wiWnf8/Osf+Du8/8AjtH/AAiWnf8APzrH/g7vP/jtAG3XIaZoNt4l+Eui6Xeyzwwy6baMXgYB1KojDBII6gdq1P8AhEtO/wCfnWP/AAd3n/x2sfwj4YsLjwToc0lxqoaTTrd2Eer3SKCY1PCrIAB7AACgC/beDIUjuYNT1nVtYtbqFoZLbUJ0eMg45G1FIPHBzxVe0+HunwXdpLeanq2pxWTiS2tb668yKJh90hQBkjtuJxWj/wAIlp3/AD86x/4O7z/47R/wiWnf8/Osf+Du8/8AjtHW4Dtc8L2PiC8sLm8knjexk3p5LhRIMqSj5BypKqccdKRvC9k3i5fEJkuPtIiEfk7h5RIBAfGM7trEZz0pP+ES07/n51j/AMHd5/8AHaP+ES07/n51j/wd3n/x2gDborE/4RLTv+fnWP8Awd3n/wAdo/4RLTv+fnWP/B3ef/HaANuisT/hEtO/5+dY/wDB3ef/AB2j/hEtO/5+dY/8Hd5/8doA26KxP+ES07/n51j/AMHd5/8AHaP+ES07/n51j/wd3n/x2gDbrE8W/wDIFt/+wnp//pZDR/wiWnf8/Osf+Du8/wDjtY/ifwxYQaTAyXGqknUbFPn1e6cYa6iB4MhGcHg9QcEYIBoA3tf8N6d4ks44NSSQNC/mQTwyGOWF/wC8jDkH9KzLDwJaWurWuo3uraxq09mSbYahd71iJGNwUAAnB6nNXf8AhEtO/wCfnWP/AAd3n/x2j/hEtO/5+dY/8Hd5/wDHaFoG5T1HwLZXmqXN9Z6nqukyXmDdLp115aTnGNzAg4bHGRg/jVp/BuiP4VTw8LQpYR4KBHIdHB3Bw3XdnnNO/wCES07/AJ+dY/8AB3ef/HaP+ES07/n51j/wd3n/AMdo6WAq6X4Is9P1aHUrvUdT1e7t1K276jceZ5GRglQABkjucmmX3gLTrzV7m+ivtTshekG8trO6MUVyQMZYAZyRwdpGau/8Ilp3/PzrH/g7vP8A47R/wiWnf8/Osf8Ag7vP/jtAFjw9oNp4a0SHStOMhtoWdk8wgkbmLEcAcAnj2rTrE/4RLTv+fnWP/B3ef/HaP+ES07/n51j/AMHd5/8AHaANuisT/hEtO/5+dY/8Hd5/8do/4RLTv+fnWP8Awd3n/wAdoA26KxP+ES07/n51j/wd3n/x2j/hEtO/5+dY/wDB3ef/AB2gDborE/4RLTv+fnWP/B3ef/HaP+ES07/n51j/AMHd5/8AHaANuisT/hEtO/5+dY/8Hd5/8do/4RLTv+fnWP8Awd3n/wAdoAPFv/IFt/8AsJ6f/wClkNbdcZ4n8MWEGkwMlxqpJ1GxT59XunGGuogeDIRnB4PUHBGCAa2P+ES07/n51j/wd3n/AMdoA26KxP8AhEtO/wCfnWP/AAd3n/x2j/hEtO/5+dY/8Hd5/wDHaANuisT/AIRLTv8An51j/wAHd5/8do/4RLTv+fnWP/B3ef8Ax2gDborE/wCES07/AJ+dY/8AB3ef/HaP+ES07/n51j/wd3n/AMdoA26KxP8AhEtO/wCfnWP/AAd3n/x2j/hEtO/5+dY/8Hd5/wDHaANuisT/AIRLTv8An51j/wAHd5/8do/4RLTv+fnWP/B3ef8Ax2gDborE/wCES07/AJ+dY/8AB3ef/HaP+ES07/n51j/wd3n/AMdoA26KxP8AhEtO/wCfnWP/AAd3n/x2j/hEtO/5+dY/8Hd5/wDHaANusTxb/wAgW3/7Cen/APpZDR/wiWnf8/Osf+Du8/8AjtY/ifwxYQaTAyXGqknUbFPn1e6cYa6iB4MhGcHg9QcEYIBoA3PEHhnT/EkMAvvOintn8y3uraUxzQN0JVh0z6dOnpVLTfBFjY6rFqV7f6lrF5bgi3l1K48zyMjB2KAFBPrjNWf+ES07/n51j/wd3n/x2j/hEtO/5+dY/wDB3ef/AB2habBuWV0O2TxPJroeX7VJaC0KZGzYG3ZxjOcn1/CjV9DttZm0+S6eVDp92t3F5ZA3OoIAbIPHPbH1qt/wiWnf8/Osf+Du8/8AjtH/AAiWnf8APzrH/g7vP/jtH9fqH9fobdFYn/CJad/z86x/4O7z/wCO0f8ACJad/wA/Osf+Du8/+O0AbdFYn/CJad/z86x/4O7z/wCO0f8ACJad/wA/Osf+Du8/+O0AbdFYn/CJad/z86x/4O7z/wCO0f8ACJad/wA/Osf+Du8/+O0AbdFYn/CJad/z86x/4O7z/wCO0f8ACJad/wA/Osf+Du8/+O0AbdFYn/CJad/z86x/4O7z/wCO0f8ACJad/wA/Osf+Du8/+O0AbdFYn/CJad/z86x/4O7z/wCO0f8ACJad/wA/Osf+Du8/+O0AHi3/AJAtv/2E9P8A/SyGr2saXba3o13pl8GNvdRNE+04YAjqPcdRXM+J/DFhBpMDJcaqSdRsU+fV7pxhrqIHgyEZweD1BwRggGtj/hEtO/5+dY/8Hd5/8doeugJ21LGh6BZ6BoMWkWnmS28YYFpyGaQsSWLHABJJPasuy8C2uniOC01fWItPjfdHp63eIk5ztBA8zbntvxVz/hEtO/5+dY/8Hd5/8do/4RLTv+fnWP8Awd3n/wAdo63DpYsxaHbReJp9cV5Tcz2yWzISNgVWLAgYznJPeub+IGgjxJqnhyw+xzyL9taS4uEQ7I4AuXRmHTf8ox3xW3/wiWnf8/Osf+Du8/8AjtH/AAiWnf8APzrH/g7vP/jtHbyDv5/8MWr/AFu00uZYbiG+dmXcDbafPOoHT70aMAeOmc1FbeILHUbgWkUOpI8gIDTaXcwqOO7vGFH4mov+ES07/n51j/wd3n/x2j/hEtO/5+dY/wDB3ef/AB2jfcPQtaFotv4e0K20myeV4LZSqNKQWIJJ5IAHf0rMXwRpq+ELfw4J7r7HbyrKr718wlZPMGTtxjPt0qz/AMIlp3/PzrH/AIO7z/47R/wiWnf8/Osf+Du8/wDjtO+tw6WOO1K0a38b63dataeJIUuREbWTQ/PMcqqgGX8o/wCszxhgBgD8drw9oF9qei6XP4olvRc6ffvdWizOnneX8yxiYgEFtpycYPT3rX/4RLTv+fnWP/B3ef8Ax2j/AIRLTv8An51j/wAHd5/8dpLRA9Sy2h2zeKE10vL9qS0NoEyNmwuGzjGc5Hr+FVrv/kftK/7Bl7/6NtaP+ES07/n51j/wd3n/AMdrHufDFgvjbTIRcartfTrxyTq90WyJLYDDeZkD5jkA4PGc4GDpYDW8VeENO8X2ltb6o06LbTeajQOFY8EFSSD8pB5FXdY0Sx13SH03UIi1u20jYxRkZTlWUjkEEAiqn/CJad/z86x/4O7z/wCO0f8ACJad/wA/Osf+Du8/+O0eQdbi6X4b/s68W5n1nVtSdEKRi8uAVQHr8qKoY+7ZNWNE0O20G1nt7N5XSe5kuWMpBIaRtxAwBxnpVb/hEtO/5+dY/wDB3ef/AB2j/hEtO/5+dY/8Hd5/8doAw7bQRefGO91prKeGGys441ldCqTzsCC69m2xnbn3rfn8T2FvcSQyW+qlo2Kkx6RdOpI9GWMgj3BIpn/CJad/z86x/wCDu8/+O0f8Ilp3/PzrH/g7vP8A47R0SDrcivotN8b6PcabINRgh3xu7SWcts2VYMNplQA8rzjP4ZFXtf0S28R6JPpd88scE5Us0JAYbWDDBII6qO1Vv+ES07/n51j/AMHd5/8AHaP+ES07/n51j/wd3n/x2gCa90OG41q01lWkN5YwSxQR7gI23gZ3cZ/hHQ15hY2N/Y+FhZWVt4wtfEKFljhhaUWaSkkgAsTD5WT1znFek/8ACJad/wA/Osf+Du8/+O0f8Ilp3/PzrH/g7vP/AI7QMksNCWDWTrd1K76jNZRWs4UjyjtJJKjGepPfpUukaHbaLJqD2ryudQu3u5fMIO12ABC4A4+Udc/Wq3/CJad/z86x/wCDu8/+O0f8Ilp3/PzrH/g7vP8A47T/AK/Um2gaD/yGvE3/AGE0/wDSO2rMPw6sIpZv7K1fWtJtpnLvZ2F55cOScnCkHbn/AGSKi0XwxYSat4hVrjVQItRRF26vdKSPstueSJMsck8nJxgdAANj/hEtO/5+dY/8Hd5/8dpDHp4W0uDwpN4es4WtbCWF4SIm+YBgQxyc5bnqc1o2Nolhp9vZwlmjt4liQueSFAAz78Vl/wDCJad/z86x/wCDu8/+O0f8Ilp3/PzrH/g7vP8A47QBZ0XQ7bQobuO0eVxdXcl2/mkHDuckDAHHp/OtKsT/AIRLTv8An51j/wAHd5/8do/4RLTv+fnWP/B3ef8Ax2gDborE/wCES07/AJ+dY/8AB3ef/HaP+ES07/n51j/wd3n/AMdoA26KxP8AhEtO/wCfnWP/AAd3n/x2j/hEtO/5+dY/8Hd5/wDHaANuisT/AIRLTv8An51j/wAHd5/8do/4RLTv+fnWP/B3ef8Ax2gDborE/wCES07/AJ+dY/8AB3ef/HaP+ES07/n51j/wd3n/AMdoA26KxP8AhEtO/wCfnWP/AAd3n/x2j/hEtO/5+dY/8Hd5/wDHaANuisT/AIRLTv8An51j/wAHd5/8do/4RLTv+fnWP/B3ef8Ax2gDN0nQ7bxF8KdD029eWOGTT7Ny0JAbKojDqCOo9K29f0S28R6JPpd88scE5Us0JAYbWDDBII6qO1c94R8MWFx4J0OaS41UNJp1u7CPV7pFBManhVkAA9gABWx/wiWnf8/Osf8Ag7vP/jtAE17ocNxrVprKtIbyxgligj3ARtvAzu4z/COhrzCxsb+x8LCysrbxha+IULLHDC0os0lJJABYmHysnrnOK9J/4RLTv+fnWP8Awd3n/wAdo/4RLTv+fnWP/B3ef/HaBklhoSwaydbupXfUZrKK1nCkeUdpJJUYz1J79Kl0jQ7bRZNQe1eVzqF293L5hB2uwAIXAHHyjrn61W/4RLTv+fnWP/B3ef8Ax2j/AIRLTv8An51j/wAHd5/8dp/1+pNtDborE/4RLTv+fnWP/B3ef/HaP+ES07/n51j/AMHd5/8AHaQzborE/wCES07/AJ+dY/8AB3ef/HaP+ES07/n51j/wd3n/AMdoA26KxP8AhEtO/wCfnWP/AAd3n/x2j/hEtO/5+dY/8Hd5/wDHaALOt/6rTf8AsNaZ/wCl0Net14fqHhyyspNLnhn1NnXWdOAE2q3Mq83sI5V5CD17jjr1r2r7LH/el/7/AD/40AeI+K9VvtB0PTNXtZ9lna3EP9oR+WG3wNhWOSMgqSDxU/jPV7ux0yyttFnEWoapeRW1vKFD7ATl3wQQcIDWle6bFrPhibTbj/V3VqYm9srjNcF4CmuvEOu2f9powk8K2rWUm7o10WKFvf8AdoP++qI72+f9fd+IPRX+X+X9eR2eq+MtC0S8a01G+KzxoJJEjgklMS/3n2KQg+uKl1HxVoek6fa32oalDFaXhxBPksknyluGGR0B+vTrXARSR6J4m8Q2+u+KL3QJLm+e4hAhi8u6iYDaVZ42LEfdIB4x0q3faXYWOm+A7Ky8+ezXVg0ZvYtrkFZGBKlRjk8DA7ULVLzt+IPRvyv+B2OneLtE1We1hsbtnkvFkaBXgkj3hDh/vKOR6HnvV6LVbKbWJ9Lim3XlvEsssYRvkVs7ctjGTg8ZzXPfEG3kg0m01+0Utc6Hcrd/L1aH7sq/QoSfwpfAMZvLO/8AEcyssut3TToHGCsC/JCP++Rn/gVC1/r+v6TB6f1/X9NHWVzegare3vjDxNZXM2+3sZYFt02KNgaLc3IGTk+ua6SvOLHxXofhz4h+LU1zUYrNpprYxiTPzAQjPQe9C3+X6oOh1+t+LNE8OyRRavfCGWYExxJG8sjD12oCce+MUi+LdCfQF1qPUY5NOZ1j89FZgGZgoBAGQckdRxnmuTi8Q6ToPj7U9Y1ufybHV7O2fTdQaJjG8YU7kDAHBzhsHGcj2pug6MPE+k+MpEgkt9M124LWQljKFiEAMwU8gFwDz6UtbN9v89vUfVf103O5uda0+z1ey0u5uAl7fBzbxbSfMCDLcgYGB60+DVLO51S606CXfdWio06bGwgcErzjByAeAa8wivZdc0mTxXKrC40FbRGGDkPEd1yPycj8K7TwPGLjT73W2wX1i8kuVYHP7oHZEP8AvhQfxqrf1+X3r8if6/z+79TpqKKKQwooooA5aOO+lXxkmkXH2a+N6Ps8uwNtf7Fb44YEHmpNL8Ww3Pw6TxJckDy7RpbhemJEBDr/AN9AirWg/wDIa8Tf9hNP/SO2rz+8s5YvFd54C2N9i1bUU1JSvQWxy8q+3zxgf8CpWu+Xv/X5O/yHolft/X/A+Z2emeIho3hDSrnxjf8A/EwvUDFVhJd2b5tixxrk7QQOB25rQt/Fei3Wh3OrwXyvZWgY3D7GDRbeWDJjcCPQjNcn4yRtP+IGnapfapdaRprWD2y31vEjLDLvDbXLowUMMc8fdqtd22mnwH4y1LTNXvNXe8tCJrqeJVRykZA2FUVW4OCRnpRKXuuS8/zBLVRfkdTF8QPDE8c0kOqCSKF0SSVIJCgLttX5guCM8ZBwO+K2L3VbLT7qztrubZNfSmK3QIzF2AJPQcDA6nisoaJbax8O49HaNY4bjT0iUKMBDsGCAPQ4P4Vy/ga7u/FXiC3v9UjkWTw9ZfYXDjrdsSJWz3wqL/31VtJSce39f16ohO8VLv8A1/Xoek1zerare23j/wAP6bBNttLyK6aePYp3lFUryRkYyehrpK4Pxlq9hofxE8L32rXKWtskN4GkfOASqgdKlfEvn+TK6HX6trOn6Fp7Xur3Udrbqcb37nsAByT7DmqejeLdD8Qeeuk3wmktxuliaN45FHrsYBse+K5PxD4h0rUtS8O+JLSf+0ND0y8mS8mhiZ1gkaMbHZcZwCeuOMipbLUrXxX8UrDVfDpaeysLGWK7vVjKxyFyNkYYgbiDluOlCTbt/WwPRX/rex1EnizRIfDKeIJb4LpcgG24Mb85baPlxu68dKuXOq2dpfWdncTbbi+Zlt0CM28qu48gYGB3OK85ttMS512bwLOp+yW97PfhecfZ3jyg/CSU/wDfNaPgaaTXdaiu7v5pNC09dOfOf+PksRKefaNP++qFr/Xl/noD0/rz/wAtT0GuAudVvdF+COjXumTeRcJY2Cq+xWwG8tTwQR0Jrv68y8QOsf7Pulu52qtlp5JPYZio6r1X5h0PS5ZY4IXlmdY441LO7nAUDqSewrntO8f+GNV1GOxsdVR55SViDxOiykdkZlCt+BNYXinxJpXjPwZrGleFNQTUb/7N5v2eANvdFdSwHHORxjrzWf4k8R6P4v0XTND8Kb59RF5bvHFHbspsRGwLM2QAm0Aj8eKFq7en/Dg9r+p6Hb6xY3d5fWsE+6bT2VblCjDyyV3DqOeOcjNVY/FWizeGf+EhivQ2l4J+0CN+zbfu43deOlcj40MmjeJZpLXKnxJYf2eCM/8AHwGCof8AviRv++arfYUg8TDwREMWrajFqYQ5x9mVNxHv++TH40R1/rz1/DX0B6f15f56HpqsGUMOhGRkYpaKKACiiigAooooAKxPFv8AyBbf/sJ6f/6WQ1t1ieLf+QLb/wDYT0//ANLIaAK2rare23j/AMP6bBNttLyK6aePYp3lFUryRkYyeho1rVr208deGtPt5tlrfC6+0R7FO/YgK8kZGCe2Kx/GWk2et/ETwvZalG8lu8N4WVJXjJIVSPmUg/rVW48MaV4d+J3hQ6RBLF563fmeZcyy5xEMffY46npTj0v5/qD6/wBdDqdP1WKO/wBea81xJ4bKZTJHJAIVsV2Btpf+MY53dulQWXj/AMOahqkOnWd5PJdzgNHH9hnXcp6Nkpjb/tZx71xeuEDTPiVuViPtEAJX+H93H8x9QOpHcA1f0LWhrnjfTLnWtRsbe4treWOztYbe4iNyzgbmzMicYXhRn68Uo6tei/IHon6v8x/hjx/pGmWd/B4j1s/aRqtygEpeUxJ5pChiAdi9hnAr0RHSWNZI2V0YBlZTkEHuDXnXhyCL/hXPi0+UmZLzUd52j5+WHPrxXV+CiW8B6EWJJOnwZJ/65iiOsflH8V/wAe/zf4M3KKKKACiiigAooooAKKKKACiiigDE8W/8gW3/AOwnp/8A6WQ1t1ieLf8AkC2//YT0/wD9LIa26ACiiigAooooAKKKKACiiigAooooAKKKKACiiigArE8W/wDIFt/+wnp//pZDW3WJ4t/5Atv/ANhPT/8A0shoAo+Jtb1P+3rDw34daGC+vInnmu5k3rbQrxuCZG5iTgA8cc1nXt74k8GXljdavrK65pN1cpbTmS0SGW2LnCuCmAVzjIIzS+J5W8OfEDTvFFzBM+mPZPYXc0MZkNv829GZRk7c5GR/hVTXtdsPHz6donhhn1CP7bFPe3SRMIreKM7iCxAG44AAGe9Eenrr9/8AkEuvpp93+Ze1WbXtS+I0mi6Xr8mlWsWmJdER2sUu5zIVP31J6Y79qTxNNr+j6XoNhb+IJDe3uppbTX5tItxRg5+5t28YHbtVTVPD+neIfjBNBq0UksceixuojnkiwfOYdUYE9aXxvoOnw6f4V0aOKQWJ1mKMxmeQttKuSN5bd365oW0fN/8AtwPeXkv/AG06rRNM1bT2mOr6/Lq4cDyxJaxQ+XjOfuAZzx19K16ytE8NaX4dWZdIhliE5Bk8y5klzjOPvscdT0rVpsQUUUUhhRRRQAUUUUAFFFFABRRRQBieLf8AkC2//YT0/wD9LIaqXOr3um/Ea0sLu43abqlo32VCgHl3EZyw3AZO5Tnk9uKt+Lf+QLb/APYT0/8A9LIazfiNZzN4bTVrNc3ei3CX8eO6p99fxQtS2ab/AK/4bcdrppFm41W9uPiLaaPYzbLS1s3ur8BFO8sdsaZIyOQzcY6VJF478NzaglnHqamR5fISTynETyf3RLt2E+wasPw5bT694Z8Ra9alo7vxB5otGbgpEqmOH6d2/Gua0pdI1HwtY6FqvijVoZ1WKGXRFtYhLHIpHyhBDvwCM7vTkmmt+V+X4/5bCbVrr+rf57noeseNfD2g3zWeq6isFyqLJ5Iid2KsSAQFU5+6c4zjvitDT9asNVuLqCxn8yW0ZUnQxspQsu5fvAZBBzkcVzdpEh+NGouyKzpo0IVyORmV84P4Vl+Ob258IeJDrWnRSOdZsmsCsYzm7XmBiPfLD8KV9E+9/wBfzt97H1a7W/Q7rTNVstYtWudNm8+FZXiL7GUFlOGxkDIyDyOKsysVhdl4IUkVn+HNHj8P+G7HS4jkW0IRm/vN1Y/iSTV+f/j3k/3D/KiponYUdWjB8Capeaz4F03UdSm866njZpJNoXcQ7DoAB0ArF0nxDfXvwu07V9S13+z7mWdVkvPsay7v3xQJsAwN3C5xx1rM8A+A/D2q+AtMvr60uHuJo2Lst9OgJ3sPuq4A6dhWfCMfs/6UB0F7D/6V1o/ja81+Yvs38n+R6LrPi/Q/D83k6pe+XKIzK0cULzMif3mCKSq+5wK5vxH4xspovDGradqctvpkuqBZ5nElukkflsfmDBcr09jWXrOv3ui/ETxANPFsjT21urm7guJQMI2JAYo2AUZIKtjJBORzSvbaaNC+H9rp97FqlpFqir54Xh2CSE/KemG7HpUR1s/NfmOWl/R/kdzofivRPEck8ejXy3ElvjzIzG0bKD0O1gCR7jimXf8AyP2lf9gy9/8ARtrWVIAvxrhIGC2gvux3xOuK1bv/AJH7Sv8AsGXv/o21o6J/1u0HVr+tip4U1e9n1LW9H1i48+9027+RygQvbuN0ZwAB6j8Ki0TxI9w/iHWNUvUh0W0ujb2u8KqqIxh33YydzkgcnpxWJ4+vZ/CPiS38S2cbSC+s5NNkRRnM2C8Bx/vAik8S+G59H+Gej2Nobhk027guL1reMSSFQxMjhSCGIZt+CD0pLa/ovx3+7X5je9vn/wAD79F6HXaR4t0XXLtrXTrwtcLGJfJlhkhdk/vBXUFh7jIqtF498NT6j9gg1LzboO8ZijgkYqyEhgcLwflOM9e2aw9B/sbWPFVhe23iu/166s45GjHlR+XEHXDb2SJdueMAkHI6Vc+GkUaaPqzoiq0ms3ZdgMFv3hHPrxVdfl+thX/P9DeHiPST4b/t8Xi/2X5Rm+0bG+7/ALuN2e2MZzWlFIs0KSx5KuoZcgg4PseRXlD2kq+I5Ph75cn2KbUxqSkDKiy/1jJ7DzRt/GvWaW6v/X9dPkGzt/X9dfmc34+1W90XwfcXumTeRcJLCqvsVsBpVU8EEdCaXx9qt7ongm+v9Mm8i6iaIJJsDYzKqnggjoTVH4qoJPh5eI33WmtwcHHHnJWB8QPAvh/R/BF7fafazx3ETRbGe9nkAzKgPys5B4J6iiPn3/yH1O2urwx+LtNtTq/kie3lb+z/ALNu+0FcfP5n8O3PTvmqd98Q/C+nXTQXOpMXWXyCYbWaVPM/ubkQqW9s5qpq3/JV/DX/AF4Xf/slcBp2sfavC8OialfWmmaQL8yTTy21yZYwJy/lF/LEW7dwX3/hmha2/rqT0fy/I7O58X2WkfEe7Oq6nJBYSaTBJBbvvO52dslYgM7sYzgZ45rsNI1jT9e02O/0i6S6tpM7ZEyOR1BB5B9jzXM2SxS/GbUJgEcjRYNkgAOAZH6H34p/gABbjxUqjCjXp8AdB8qGnHa3r/6Vb9Qe9/T8jQ0u5js77xZcznbFDqAkc+gFlbk/yrE0n/hMPFulR63Dr8ehQXS+ZaWUVlHPiPPymRn5JIxwuK1ILH+0x40sMgfarsw5PbdY24/rWF4Y8eaR4f8ADNlo3ieWXTNU0+JbaS2lgcl9nygoVBDggDGM1K3f9d7/AKFdEXIPFmpz+B/Ej3Yjttb0NZopXhXKM6puSRQ2eCMHBq54Z07xFLBp2p6j4rnvIZoEmktDYwIG3JnG5VB4J/SsGKzuj4A8a61fWslm+sLPcRW8y7XSIRbU3DsxAzj3rb8HeDtE0/TdK1W0t5kvDaRsXa7mdctGM/KXK9z2qlfd9l99ncl9EvP9DN0NPFPiSTVbmPxbNYxW+pz2scCWEDhURuOSuehr0BQQoBO4gcn1rzTwf4O0TW21u+1K2mkuF1u6UMl3NGMB8j5VcDv6V6ZSXwr0X5DfxP1f5hRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHAXOq3ui/BHRr3TJvIuEsbBVfYrYDeWp4II6E1uePtVvdE8E31/pk3kXUTRBJNgbGZVU8EEdCa5XxAgk/Z90tG+61lp4ODjjMVM+IHgXw/o/gi9vtPtZ47iJotjPezyAZlQH5Wcg8E9RRHz7/5D6nbXV4Y/F2m2p1fyRPbyt/Z/2bd9oK4+fzP4duenfNU774h+F9OumgudSYusvkEw2s0qeZ/c3IhUt7ZzVTVv+Sr+Gv8Arwu//ZK4DTtY+1eF4dE1K+tNM0gX5kmnltrkyxgTl/KL+WIt27gvv/DNC1t/XUno/l+R2dz4vstI+I92dV1OSCwk0mCSC3fedzs7ZKxAZ3YxnAzxzXYaRrGn69psd/pF0l1bSZ2yJkcjqCDyD7HmuZslil+M2oTAI5GiwbJAAcAyP0PvxT/AAC3HipVGFGvT4A6D5UNOO1vX/wBKt+oPe/p+R2FFFFIYUUUUAFFFFAGbrf8AqtN/7DWmf+l0Net15Jrf+q03/sNaZ/6XQ163QB4zH4nsLeNYZLfVS0YCMY9IunUkccMsZBHuCQad/wAJbp3/AD7ax/4JLz/41V+O9tbaGyhuLmGKW4ULCkkgVpSFyQoPU49Kmuru2sbV7m9uIraCMZeWZwir25J4FAGV/wAJbp3/AD7ax/4JLz/41R/wlunf8+2sf+CS8/8AjVbYORkUUAch4j1e013w7eaXbvrFk13H5TTjQLxyqn7wx5Y6jI68ZqSXxBBbaXBaaGt/aGBVRTceHL6ZQgGMbVVOenOfwrq6KAOJ/wCEi1j/AKCH/lnaj/8AHK2h4t07HNvrH/gkvP8A41W5UMV5bT3E0EFxFJNbkCaNHBaMkZAYDkZHPNAGV/wlunf8+2sf+CS8/wDjVH/CW6d/z7ax/wCCS8/+NVt0UAYn/CW6d/z7ax/4JLz/AONUf8Jbp3/PtrH/AIJLz/41W3RQBif8Jbp3/PtrH/gkvP8A41R/wlunf8+2sf8AgkvP/jVbdFAGJ/wlunf8+2sf+CS8/wDjVH/CW6d/z7ax/wCCS8/+NVt0UAcZoviewj1bxCzW+qkS6ijrt0i6YgfZbccgR5U5B4ODjB6EE7H/AAlunf8APtrH/gkvP/jVQ6XdW9jqHim5vZ4reCPUkLyyuEVR9jtuSTwK6BWV0DowZWGQQcgigDF/4S3Tv+fbWP8AwSXn/wAao/4S3Tv+fbWP/BJef/Gq1bW8tr63W4sriK5hYkCSFw6kg4PI44IIqagDDPi3T8HFvrAPb/iSXn/xqsTw9e2fh/Q57VJNWuL64mluJbuTw9eAPK5J3FAnQcDG7oOort6KAOI/4SLWP+gh/wCWdqP/AMcrVs/FUCWqLqC6lPcDO+SDw/exIeeMKUYjj3NdFUMl5bRXUVrLcRJcTBjFEzgPIF6lR1OO+KAMr/hLdO/59tY/8El5/wDGqP8AhLdO/wCfbWP/AASXn/xqtuigDE/4S3Tv+fbWP/BJef8Axqj/AIS3Tv8An21j/wAEl5/8arbooAxP+Et07/n21j/wSXn/AMarH8I+J7C38E6HDJb6qWj063RjHpF06kiNRwyxkEe4JBrs657wpeW1j8OdAnvbiK2hXTbUGSZwigmNQBk8ck4oAm/4S3Tv+fbWP/BJef8Axqj/AIS3Tv8An21j/wAEl5/8arbooAxP+Et07/n21j/wSXn/AMao/wCEt07/AJ9tY/8ABJef/Gq26KAMT/hLdO/59tY/8El5/wDGqP8AhLdO/wCfbWP/AASXn/xqtuigDE/4S3Tv+fbWP/BJef8Axqj/AIS3Tv8An21j/wAEl5/8arbooAxP+Et07/n21j/wSXn/AMao/wCEt07/AJ9tY/8ABJef/Gq26KAMT/hLdO/59tY/8El5/wDGqx/E/iewn0mBUt9VBGo2L/PpF0gwt1ETyYwM4HA6k4AySBXZ1ieLf+QLb/8AYT0//wBLIaAD/hLdO/59tY/8El5/8ao/4S3Tv+fbWP8AwSXn/wAarVS9tZLyS0juYWuYlDSQrIC6A9CV6gGiW8toLiG3muIo5rgkQxu4DSEDJ2jqcDnigDlPEt/pXiTRJNPkGuWxLpLHMmh3ZKOjBlODFhhkDg9azI3a81SwuvEmqarqEenyCaCCDwvd26mUAgO52MTjJ4GBmvRKKFoG5if8Jbp3/PtrH/gkvP8A41R/wlunf8+2sf8AgkvP/jVbdFAGJ/wlunf8+2sf+CS8/wDjVH/CW6d/z7ax/wCCS8/+NVtkgAknAHU1Da3dvfWqXNlcRXEEgyksTh1YexHBoAyv+Et07/n21j/wSXn/AMao/wCEt07/AJ9tY/8ABJef/Gqv/wBsaZ9gS+/tG0+ySMES489fLZicABs4Jzx9auUAYn/CW6d/z7ax/wCCS8/+NUf8Jbp3/PtrH/gkvP8A41V++1Wy02ezhvZvLkvZvItxsY73wTjgccA8nAq5QBif8Jbp3/PtrH/gkvP/AI1R/wAJbp3/AD7ax/4JLz/41W3RQBif8Jbp3/PtrH/gkvP/AI1R/wAJbp3/AD7ax/4JLz/41W3RQBxnifxPYT6TAqW+qgjUbF/n0i6QYW6iJ5MYGcDgdScAZJArY/4S3Tv+fbWP/BJef/GqPFv/ACBbf/sJ6f8A+lkNbdAGJ/wlunf8+2sf+CS8/wDjVH/CW6d/z7ax/wCCS8/+NVt0UAYn/CW6d/z7ax/4JLz/AONUf8Jbp3/PtrH/AIJLz/41W3RQBif8Jbp3/PtrH/gkvP8A41R/wlunf8+2sf8AgkvP/jVbdFAGJ/wlunf8+2sf+CS8/wDjVH/CW6d/z7ax/wCCS8/+NVt0UAYn/CW6d/z7ax/4JLz/AONUf8Jbp3/PtrH/AIJLz/41W3RQBif8Jbp3/PtrH/gkvP8A41R/wlunf8+2sf8AgkvP/jVbdFAGJ/wlunf8+2sf+CS8/wDjVH/CW6d/z7ax/wCCS8/+NVt0UAYn/CW6d/z7ax/4JLz/AONVj+J/E9hPpMCpb6qCNRsX+fSLpBhbqInkxgZwOB1JwBkkCuzrE8W/8gW3/wCwnp//AKWQ0AH/AAlunf8APtrH/gkvP/jVH/CW6d/z7ax/4JLz/wCNVrzzw2sDzXMqQxRjc8kjBVUepJ6VV07W9K1ff/ZOp2d95f3/ALNcJJt+u0nFAFL/AIS3Tv8An21j/wAEl5/8ao/4S3Tv+fbWP/BJef8AxqrWoeItF0m4EGqaxYWUzLuEdzdJGxHrhiDjg0j+I9Ej06PUJNY09LKVtiXLXSCN254DZwTwePagCt/wlunf8+2sf+CS8/8AjVH/AAlunf8APtrH/gkvP/jVXdO1zSdYaQaTqdnfGPBcW1wkmzPTO0nHSr1AGJ/wlunf8+2sf+CS8/8AjVH/AAlunf8APtrH/gkvP/jVbdFAGJ/wlunf8+2sf+CS8/8AjVH/AAlunf8APtrH/gkvP/jVbdFAGJ/wlunf8+2sf+CS8/8AjVH/AAlunf8APtrH/gkvP/jVbdFAGJ/wlunf8+2sf+CS8/8AjVH/AAlunf8APtrH/gkvP/jVbdFAGJ/wlunf8+2sf+CS8/8AjVH/AAlunf8APtrH/gkvP/jVbdFAHGeJ/E9hPpMCpb6qCNRsX+fSLpBhbqInkxgZwOB1JwBkkCtj/hLdO/59tY/8El5/8ao8W/8AIFt/+wnp/wD6WQ1qpe2sl5JaR3MLXMShpIVkBdAehK9QDQBlf8Jbp3/PtrH/AIJLz/41R/wlunf8+2sf+CS8/wDjVast5bQXENvNcRRzXBIhjdwGkIGTtHU4HPFTUAYn/CW6d/z7ax/4JLz/AONVjazfafrOraRczHWEttNuDcm2/sC8PnSbSEO7y+NuSehzXaUUAcnqHia4knU6VNc20W3DLc+F7+Zi3qCuzA6cY/Go7PxLfJdI2oXU09uM744PCmoROeOMMWYDn2NdhQSACScAdTRsG5if8Jbp3/PtrH/gkvP/AI1R/wAJbp3/AD7ax/4JLz/41Wra3dvfWqXNlcRXEEgyksTh1YexHBqH+2NM+wJff2jafZJGCJceevlsxOAA2cE54+tAHDSu9rrmoah4e1XVbFdSZZLiG48L3dwBIFChlbYpHAHByK1fDt/pPh7SzaxrrlzJJM9xPPJol2Gllc5ZsCLA56AdABXYVTvtVstNns4b2by5L2byLcbGO98E44HHAPJwKF2B6lD/AIS3Tv8An21j/wAEl5/8arHufE9g3jbTJhb6rtTTrxCDpF0GyZLYjC+Xkj5TkgYHGcZGezrEu/8AkftK/wCwZe/+jbWgA/4S3Tv+fbWP/BJef/GqP+Et07/n21j/AMEl5/8AGq1bS9tb+HzrG5huYtxXfDIHXIOCMjuDRHeW0t1NbRXET3EAUyxK4Lxhvu7h1GccZ60AZX/CW6d/z7ax/wCCS8/+NUf8Jbp3/PtrH/gkvP8A41W3RQBxdpfafD4uv9euDrE73FvHbQRf2BeL9njUkkZ8s7ssc9BSz+JNTa4kNtevHCWJRJPCOoOyr2BYOAT74H0rs6KAOW07xRJF5n9rSXl1nHl/ZfDN9Bt9c7g+e3p+NXv+Et07/n21j/wSXn/xqtW6vLaxtzPe3EVtCpAMkzhFBJwBk8ck4ouru2sbZri+uIraBMbpZnCKuTgZJ46kCgDHl8U6ZNC8T22s7XUqcaLeA4P/AGyriorCSLQD4eXXtYGibTD5S+FbkT+SeqebsxnH8WzNemNe2qXkdo9zCtzKpeOEyAO6jqQvUgetT0Bc5+38S6TaWsVvBaawkUKCNF/sW84UDAH+q9Kl/wCEt07/AJ9tY/8ABJef/GqvpqtlJrMulJNm9hhWd4tjcIxIBzjHUHjOauUb6i20OM0XxPYR6t4hZrfVSJdRR126RdMQPstuOQI8qcg8HBxg9CCdj/hLdO/59tY/8El5/wDGqNB/5DXib/sJp/6R21Wr3xBo2mXK2+pavY2k7DKxT3KRsfoCc0DKv/CW6d/z7ax/4JLz/wCNUf8ACW6d/wA+2sf+CS8/+NVrS3MEFq1zNNHHbom9pXcBFXGck9MY71n2ninw/f3SW1hrum3NxIcJFDeRu7cZ4AOTQBD/AMJbp3/PtrH/AIJLz/41R/wlunf8+2sf+CS8/wDjVPm8X+G7ed4LjxDpUUsbFXje9jVlYcEEFuDWuCGUFSCCMgjvQBi/8Jbp3/PtrH/gkvP/AI1R/wAJbp3/AD7ax/4JLz/41W3RQBif8Jbp3/PtrH/gkvP/AI1R/wAJbp3/AD7ax/4JLz/41W3RQBif8Jbp3/PtrH/gkvP/AI1R/wAJbp3/AD7ax/4JLz/41W3RQBif8Jbp3/PtrH/gkvP/AI1R/wAJbp3/AD7ax/4JLz/41W3RQBif8Jbp3/PtrH/gkvP/AI1R/wAJbp3/AD7ax/4JLz/41W3RQBif8Jbp3/PtrH/gkvP/AI1R/wAJbp3/AD7ax/4JLz/41W3RQBxnhHxPYW/gnQ4ZLfVS0enW6MY9IunUkRqOGWMgj3BINbH/AAlunf8APtrH/gkvP/jVQ+FLy2sfhzoE97cRW0K6bagyTOEUExqAMnjknFbd1d21jbNcX1xFbQJjdLM4RVycDJPHUgUAY8vinTJoXie21na6lTjRbwHB/wC2VcVFYSRaAfDy69rA0TaYfKXwrcifyT1TzdmM4/i2Zr0xr21S8jtHuYVuZVLxwmQB3UdSF6kD1qegLnP2/iXSbS1it4LTWEihQRov9i3nCgYA/wBV6VL/AMJbp3/PtrH/AIJLz/41V9NVspNZl0pJs3sMKzvFsbhGJAOcY6g8ZzVyjfUW2hif8Jbp3/PtrH/gkvP/AI1R/wAJbp3/AD7ax/4JLz/41W3RQMxP+Et07/n21j/wSXn/AMao/wCEt07/AJ9tY/8ABJef/Gq26KAMT/hLdO/59tY/8El5/wDGqP8AhLdO/wCfbWP/AASXn/xqtuigDmNQ8R2V7JpcEMGpq7azpxBm0q5iXi9hPLPGAOnc89Ote1fao/7sv/fl/wDCvKtb/wBVpv8A2GtM/wDS6GvW6APB/HNlLP4HS/slBvdJMeoW5x/FHgkfiu4VV8RX8Xil/C2lWh32+qypfzj/AKd4gHwfqxUV2UCLLp8ccihkaIKwPcEVyXgjwVe+GtRvJtQuobiJE+y6asZYmG28xn2tkD5ssOmfuiiO/wCP9fh+IPb8P6/Eo6l8QZm1rUbTTdU8PadHp8hgxqsx8y4kH3sBWGxQeMnPIPFTXfj3Ubnw34b1HQdPtpLjWbr7M0FxIdqHa+SHHYMuc4OR2yauL4e13RdY1Kbw+NLurLUZzdNFfs6NBKQA2CqtuUkZwcf1q3qmgalqT+HJZZ7VptNvRc3LKjRq42MuEX5u7Dgn8aI7K/l/wQlu7ef/AACB9c17RtU0O38RDTmg1GWS2lms45AI5cZiwWY8MARgjr3q9pOuXOqeKtZs40iGn6aY4RIAd7zFdzjOcYAKjGOveq3xFghk8BajNNMIHs0F1BL/AHJYyGTH1IA/Gp/BGmTaZ4Utvtx3X12WvLtsYzLKd7flnH4ULW9+n6/0/wAAfTz/AE/pfidBXH+Fv+SgeM/+u9r/AOia7CuKOi+LdM8V61qOhLos1tqbxOBeTSq67IwvRUI9e9C3+X6oOha1HXtdvvE1zonhSGwVrCJJLy61DeyBnBKoqoQScDOc4rPfxtq6eFdcnksLVNY0GdUvIVLPFJHwxdOQeUJIB6Y5qzLoXiex1yXW9Dl0o3Wo28SahaXRkEQkRcB43UZxzjBHb8rvhzwtLYWmqSa5PFe3+syGS9aJCsYG3aEUHnaBxzzS1Sf9a3/L+tx6XX9aW1/Eh1TxfLaeLdGsLSKKXT7tFa6mKktH5uRDjBwMspByK0NH1i61TX9ag2RCwsJUt4nCne8mwNJk5xgblHT1rndP8DapD4T1CxvLq1l1BhCljMGcqi2+DDuyMg7gScA9e9dN4Y0mbR9DSC8MbXksslxcvExKtI7lmwSASOcDI6Cq0/r8P1/AnX+vxNeiiikMKKKKAObsbGHU7jxfY3Sh4bm+ETqR1BsrcGuasPEt1p3wjvYpTu1bS2bSVUdWmBEcZ/EMp/Ouu0H/AJDXib/sJp/6R21Ylz4HupfiKmrxXEK6PJJHd3FqSd73MaMisBjGMEE89RStd2ez/r8r/Md7K63X9f5FW81xPBFrovhOwu9Ms547MSS3epybYkUHBIUEFmZtxxkdDTrTx/c3HhfxJcq2m3d9okRkWezcvbXAKFlIGcjoQVz261sa94f1GXxHaa/oL2ZvIYGtZre9DCOeIsGHzKCVIOccHrSX+j65rHg7WNO1BtNhur6B4oI7YP5cWVx8zkZbnuFH0NEm3Fvrr+egJJNLpoZs2v8AjG08I3HiC7s9KCJDHcpZwiSSRYs5kDNkAtt5BHAx361rXniWSTxDoOnaP5MyalG91NI4J2W6qCGGCMFmZQCc9+K17SyEeiwWN0FkC26wyAcq3y4P4Vw/wr0qSNdR1Ca5+1QwSHS9Plx/y7Qu2Dnvkt/46Kt252lt/X/A/EjXlTe/9f8AB/A9Erj9d/5Kp4U/64Xv/oC12Fcr4o0TXLvxJo+seHv7PaTT0nR476R0DeYFHGxT6H0qdmn/AFsyuha8Ua/eaXNp2m6NbQ3GqapK0duLhisUYVdzu+OSAMcDk5qlpviDXbXxQmgeJodPNxd2zz2d1Y7xG5T7yMrEkEZzkHGKiv8AQvE+qx2GpzS6Vaa7pdw72wiMklvLG6BWRyQGBPqM4wPwm0rw/rV14qi1/wAVT2PnWsDQWlrYBzHHuxucs4BJOMYwBihLXX+tNP6/QHtp/Wuv4GdN451Vfh7FqUFnbvrhuXtHtSreWJI2beAN2fuISOfSttvEct3r+h2WlrG8F9ave3DupJSEBdm3BGCWYdc9DVS18JXVv45uNRaWA6TI73SQZbeLh41jYkY27doY9c5Y07wb4VvNAuLqTUpYJSsaWlkYWY7LZGYqGyBhvm5xnoOaF5/1p/n+APy/rX/L8Tq68013/kgOk/8AXnp384q9LrhDod34i+Cuj6dpzwJcyafZOhnYqnyiNuSAT29KNmn5r8wOo8Ra3D4c8PXmrXEbSpbJuEanBdicKv4kgVzF14k8WeH47TUvE1npJ0y4njimjs2kE1r5hwpJYlXAJAOAPard3o3iXxNpF/pHicaTa2lzBhJtPklkkSQMCpw6gYBGeuf51VufDfizxFHaaf4ou9JTTIJkmmNishluthyqkMAEBIBOM+1C318vu6/16WB7aef/AAP6+80x4omtNc8RWeqJFHFptsl5bOgIMkJU7sknBIZSOMdqzLfxpqsngI301pbpr32tbH7Nsby/OZwF4znGxg3Wrvizwpd65qlldafNBEpjNrfiVmBkt2dWIXA5Pykc4HzGkk8J3b+PBqfmW/8AZXmreNDlhJ9pWIxBsYwRtIPXOR0oj5/1Z/qvxB+X9af5/gdYudo3YJxzgUtFFABRRRQAUUUUAFYni3/kC2//AGE9P/8ASyGtusTxb/yBbf8A7Cen/wDpZDQBj+JT/YXj3QddUBYb0nSrtsdn+aIn6MCPxqM3kV18RNV1e6J+w+GrDygcZxK48yQj3CKo/Gt7xboR8SeF7zTY3WOd1D28jEgRyqdyNkc9QPwqr4e8MyWfhK403XJI7i71BppL+SEnbI8pO7GQDjBAHHalqk7dL2+f9P8AAel1fra/y/pfickPilcpZw6rLfeHpLaSRS2lw3BN5HGxA+9u2s4zkrtHQ81vap4g8Sy+N59A8O2+mbI7KO6Nze78JlmBBCnLZwMYxjnOeBS6No3izSbK10rzNFltbXbGl+6SGZo16ZiwBuxxnf781p2+h3MXj681xniNtPYRWyoCd4ZXZiSMYxgjvVaXVttfy/zJ1s7/ANakOneIrlfE2raRrgt4WtII7u3kiVlEkBGGJyTnawIzx24qz4Q1e817w1b6pfwxwm6Z5IY41IxFuOzOSeSuCfr0rl/idpkt7qOhpptz9nvtQkk0yQAZL20i5kP/AAELn8a7+CCO2to4IFCRRIERR2AGAKS2v8v6+VvxG97f1/V7/gE//HvJ/uH+VeaeAfGMWneAtMtG0PXrgxRsDLbabJJG3zseGHBr02RS8TqOrKQKxfB2i3Ph7wdYaTevE89sjK7RElSSxPBIB7+lJ7S+X6h2OH0bUBp3wN0m6+xWt5/pSKIryLeg3XJXOOORnIPY11Gpa3r134g1HS/Da6bCdNt45ZZdQDsJGkBKqApG0ALyxJ+nFUE8EakvwwsvDhntftlvcRys+9vLIWfzDg7c5x7dawdW0pfEXxB8Qn7XpsYtVhhaPUpJkcqEBKgRyp+6Oc5YEEk8erlq3bu/yQ+t/wCt3+g/Utb1nWfD/gnV2gs7i/udVDxQxBoYx+7cYJYseOTkdR0FdXomu64vi2bw/wCJobAztafbLeew3hSgbaVYPk5BPWsrR4brxfo/h28trexsotG1Rt627HyZY4w0e6HjlSTxnHQ810T6Hct8QotdDxfZU0xrQpk795kDZxjGMD1/Cq0v5Xf5afiT08/+Dqb1FFFSMKKKKAMTxb/yBbf/ALCen/8ApZDW3WJ4t/5Atv8A9hPT/wD0shrboAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACsTxb/wAgW3/7Cen/APpZDW3WJ4t/5Atv/wBhPT//AEshoAwfEFtF4g+KOlaHqaedptrYSag1s/Mc8u8Iu4dG2jJx71D480ix0OHS9f0WzhstQtdQgjD20YTzY3ba0bYHIINbXiXw5fX+qWGt+H7yG01awV41+0IWhnjbqjgcjkZBH/6qf/CPeItf1Sxm8XXGmxWVhOLiOz04OwmlH3Wd3AOAecAc96I9PJ/r/lp/wAl181+n+epka9e2Vl8XJX1DR7rVUbRowsVtZG5KHzW+YqAcDtmjxrd2R0PwtdR6RcxWn9sRsbA2RWUjD5XycdT6d811Ueh3KfEGbXS8X2WTTVtAmTv3iQtnGMYwfX8KPE2h3Os3OiSWrxINP1KO7l8wkbkUMCFwDzz3x9aFtH1/9uB7y9P/AG0XwzfaffLcNp2h3ek7SocXOnm1MnXGMgbsfpmt2iigAooooAKKKKACiiigAooooAKKKKAMTxb/AMgW3/7Cen/+lkNY/iU/2F490HXVAWG9J0q7bHZ/miJ+jAj8a2PFv/IFt/8AsJ6f/wClkNO8W6EfEnhe802N1jndQ9vIxIEcqncjZHPUD8KNmn/Xn+A99DBN5FdfETVdXuifsPhqw8oHGcSuPMkI9wiqPxrGHxSuUs4dVlvvD0ltJIpbS4bgm8jjYgfe3bWcZyV2joea63w94Zks/CVxpuuSR3F3qDTSX8kJO2R5Sd2MgHGCAOO1UdG0bxZpNla6V5miy2trtjS/dJDM0a9MxYA3Y4zv9+aFo7Py/wCCJ6q/9eQmqeIPEsvjefQPDtvpmyOyjujc3u/CZZgQQpy2cDGMY5zngVe07xFcr4m1bSNcFvC1pBHd28kSsokgIwxOSc7WBGeO3FTW+h3MXj681xniNtPYRWyoCd4ZXZiSMYxgjvXNfE7TJb3UdDTTbn7PfahJJpkgAyXtpFzIf+Ahc/jS1skut/zdv0+Q+rv/AFor/qdR4Q1e817w1b6pfwxwm6Z5IY41IxFuOzOSeSuCfr0rXn/495P9w/yoggjtraOCBQkUSBEUdgBgCnSKXidR1ZSBRPVNIUb6XPMvAPjGLTvAWmWjaHr1wYo2BlttNkkjb52PDDg1Fo2oDTvgbpN19itbz/SkURXkW9BuuSucccjOQexruPB2i3Ph7wdYaTevE89sjK7RElSSxPBIB7+lYCeCNSX4YWXhwz2v2y3uI5Wfe3lkLP5hwduc49utW37z9V+Yvs/12L+pa3r134g1HS/Da6bCdNt45ZZdQDsJGkBKqApG0ALyxJ+nFcrqWt6zrPh/wTq7QWdxf3Oqh4oYg0MY/duMEsWPHJyOo6CmatpS+IviD4hP2vTYxarDC0epSTI5UICVAjlT90c5ywIJJ49dnR4brxfo/h28trexsotG1Rt627HyZY4w0e6HjlSTxnHQ81Mdk/R/K45dfn99v+HNXRNd1xfFs3h/xNDYGdrT7Zbz2G8KUDbSrB8nIJ61oXf/ACP2lf8AYMvf/RtrTH0O5b4hRa6Hi+yppjWhTJ37zIGzjGMYHr+FPu/+R+0r/sGXv/o21o6L+ur/AEDq/wCuhi6BKvh/x7r+iybY7W6UatbdgN3yzD/voA/jWTpniIaD4PvfFlwkZu/EGo5thcSeWioTsi3t2UIpY+1bfjzwhf8AiQWVxod1DZ3sIkglllLANbyqVdRgHnoRV/xD4WXVPDlrp+nTJaTafJFNZSMm5UeP7oI7gjIP1pLb8Plf/K34j6/j87f53ZjaD45nuvFFpo95qGh6oL2J2jm0iRswugyVdSzcEZw2R06VJ4d1/wAWeIrq6ljg0m20+1vZ7Uu4kaSXYxCsADgY4zk884xxWzpMXiM3qvrEej20CoQUsjJI8jeu5gu0e2Gz60nhLQ7nQdOvLe8eJ3nv57lTESQFkcsAcgc461XX5fr/AJC/z/Qxf+E5ux8O5dVa3h/tuK4Ng1ptbZ9q8zYFxnOOQ2M9O9drF5nkp5xUybRvKDAz3x7V52mim4+NFxDBOG063WPVrmADIW6KNEn0yPn+or0ektVfv/X53+Vge9v6/q1vxOO+KrbPh5eMQTtmtzhRkn98nQVgfEDxhFqfgi9s10TXbYyNFiW602SKNcSoeWPA6fnXZeM9DufEXhebTbJ4o5pJYnDTEhcLIrHoCeg9KXxpolz4j8JXel2LxRzzmMq0xIUbZFY5IBPRT2oX6/5D6le/vxD8QtDsvsdo5uLO4f7S8WZo9u35VbsDnkd+K52/8Z+KG8OnxFpqaPBprXf2dILiOWSYL5vlbsqygtu5244HfNdNqejXEnjDS9cVo/s2n2lxHKmSZGLhcbRjB+6e4ry3SrZNP8Jx+K2l0G+EEj3Qgu5pvNd9xILASmPzyP8AYyDjmhdL9P8AN/oJJ9P60/zOtuH8QL8WLuLRYrCS7bRoPOnui6xR4kbkIuWOT0GRjua6bwhr13rmn3a6pBDBf6fdyWdyLdiY2dcHcuecEEcGmabpV3J4ym8RyqkUF5pkMIgYnzY3DFiGGMfxY69al8MaHc6LPrb3TxONQ1OS7i8sk7UZVADZA5+U9M/WmtNH5/fzf5C0eq8vyKiXr6dD42vYV3SW10ZVXGclbG3I/lVLwP4W0efwTZXeo2FtqF3qcC3N3c3USyvM7jcckjoM4xWvo8MdxqXiqGZd0cmoqjqe4NnbgisXTdC8aeG7EaTod5o15p0JK2suoCVZoUzwpCcPjt0/wlbv+u//AAPuK6Ix7RTYeC/H+iRFjZaa06Wisc+Wjxbtg9gTx9a1/BWp6VcW+lW8Hhq/tbkWqf6bLpRjjJEfJ83HfnB75q9D4NltPA2r6THeLdalqqTPcXcy7FkmkXGSBnao4GBngV0GkWklholjZzFWkt7eOJyh4JVQDj24qlpv2X5Ml62t5/oea+GNT0q1uNbhv/DV/qUp1q6P2iDSjcIAX6b8dvSvVh0GOBWD4U0O50K21KO7eJzdalPdp5RJwjnIByBz6/zrepL4UvJfkN/E35v8wooooAKKKKACiiigAooooAKKKKACiiigDzLxA2z9n3S2IJ22WnnCjJPMXQUz4geMItT8EXtmuia7bGRosS3WmyRRriVDyx4HT86110O58RfBnRdNsnijmksLFw0xIXCiNj0BPQelbnjTRLnxH4Su9LsXijnnMZVpiQo2yKxyQCeintQv1/yH1K9/fiH4haHZfY7RzcWdw/2l4szR7dvyq3YHPI78Vzt/4z8UN4dPiLTU0eDTWu/s6QXEcskwXzfK3ZVlBbdztxwO+a6bU9GuJPGGl64rR/ZtPtLiOVMkyMXC42jGD909xXlulWyaf4Tj8VtLoN8IJHuhBdzTea77iQWAlMfnkf7GQcc0Lpfp/m/0Ek+n9af5nW3D+IF+LF3FosVhJdto0HnT3RdYo8SNyEXLHJ6DIx3NdN4Q1671zT7tdUghgv8AT7uSzuRbsTGzrg7lzzggjg0zTdKu5PGU3iOVUigvNMhhEDE+bG4YsQwxj+LHXrUvhjQ7nRZ9be6eJxqGpyXcXlknajKoAbIHPynpn601po/P7+b/ACFo9V5fkb1FFFIYUUUUAFFFFAGbrf8AqtN/7DWmf+l0Net15Jrf+q03/sNaZ/6XQ163QB4zHbeJGjU22raVHCQDGkmlyOyr2BYXABOO+Bn0FO+yeKv+gzo//gol/wDkmmatr50C20d5LXzbW7uIrWabzNv2cuMKxGORuwOoxmpvE+vf8I7o4u0tvtc8k8dvBb79nmyOwUDODjqT07Ub/l/X3gM+yeKv+gzo/wD4KJf/AJJo+yeKv+gzo/8A4KJf/kmtsdOaKAOdu9I8QX9s1vfahoNzAxBaKbRZHU4ORwbjHUZpl/oOtarbi31S78PXsKtuEdzobyKD0zhrgjPJrpaKAOJ/4QD/AKc/B/8A4TX/ANvraFp4pAwNZ0f/AMFEv/yTW5WPpWvf2n4g1nTPs3lf2XJEnmeZnzd6bs4xxjp1NHkAz7J4q/6DOj/+CiX/AOSaPsnir/oM6P8A+CiX/wCSa26KAMT7J4q/6DOj/wDgol/+SaPsnir/AKDOj/8Agol/+Sa26KAMT7J4q/6DOj/+CiX/AOSaPsnir/oM6P8A+CiX/wCSa26KAMT7J4q/6DOj/wDgol/+SaPsnir/AKDOj/8Agol/+Sa26KAOM0W28SHVvEIi1bSlYaigkLaXIQzfZbfkD7QMDG0Y55BOecDY+yeKv+gzo/8A4KJf/kmqMV7Ppo8Y3tpafbJre+Ei2/mbPMxZW5xnBwfwrZsdZtb7w7BrSsFtZbYXOSfurt3HP0pXVm+wFT7J4q/6DOj/APgol/8Akmj7J4q/6DOj/wDgol/+San8N6vJr3h2z1WW0NmbtPMWEvvIQn5TnA6jB6d61Kpqzsw3MM2nikgg6xo5B6j+yJf/AJJqvFoeuQacbCG88Px2ZUobZNDcRlT1G37RjBycj3rpKKQHEf8ACAf9Ofg//wAJn/7fWrZ6Pr+nWqWun3+g2tumdkMGiyIi5OTgC4wOTmuirHv9e+xeKtJ0b7Nv/tGOZ/O8zHl+WAcbcc5z6jFHkAz7J4q/6DOj/wDgol/+SaPsnir/AKDOj/8Agol/+Sa26KAMT7J4q/6DOj/+CiX/AOSaPsnir/oM6P8A+CiX/wCSa26KAMT7J4q/6DOj/wDgol/+Sax/CNt4kbwToZttW0qOE6dbmNJNLkdlXy1wCwuACcd8DPoK7OuW0PWLLQPhTo+p6nL5Vtb6VbM7AZJ/dqAAO5JIFAbl77J4q/6DOj/+CiX/AOSaPsnir/oM6P8A+CiX/wCSay08UeKZkFzD4HnNo2Cok1CJLgp6+URgH/ZLZrrUbfGrFWTcAdrdR7GmBjfZPFX/AEGdH/8ABRL/APJNH2TxV/0GdH/8FEv/AMk1t0UgMT7J4q/6DOj/APgol/8Akmj7J4q/6DOj/wDgol/+Sa26wdM1y5vfGmuaRKkQt9Ojt2iZQd7GRWLbjnHbjAFAdLj/ALJ4q/6DOj/+CiX/AOSaPsnir/oM6P8A+CiX/wCSa26KAMT7J4q/6DOj/wDgol/+SaPsnir/AKDOj/8Agol/+Sa26KAMT7J4q/6DOj/+CiX/AOSax/E9t4kXSYDPq2lOv9o2IATS5FO77VFtOTcHgHBI7gEZGcjs6xPFv/IFt/8AsJ6f/wClkNAB9k8Vf9BnR/8AwUS//JNH2TxV/wBBnR//AAUS/wDyTTl18r40bQLi18rfZ/are48zImAba67ccEZB6nINLd699n8WafoUFt50l1DLcTSeZjyI0wAcYOcsQO1G9v6/rYBn2TxV/wBBnR//AAUS/wDyTR9k8Vf9BnR//BRL/wDJNbdFAHOyaR4gmu4bqbUNBkuIAwhmbRZC8e7g7T9oyM98VV1DwpqGrTrNqreGb2VV2LJc+H2kYL1wC1weOTXWUUAcfZ+DbrTrpLrT08K2txHnZNB4dKOuRg4InyODitX7J4q/6DOj/wDgol/+Sa2XbZGzYztBOKy/C+uf8JJ4Zs9X+z/ZvtSlvK379uGI64GenpQBF9k8Vf8AQZ0f/wAFEv8A8k1nah4V1HVplm1VvDN7Ko2q9z4faRgPQFrg11lFAGDHYeJoYljh1bRY40AVUXR5QFA6AD7TT/snir/oM6P/AOCiX/5JrbooAxPsnir/AKDOj/8Agol/+SaPsnir/oM6P/4KJf8A5JrbooAxPsnir/oM6P8A+CiX/wCSaPsnir/oM6P/AOCiX/5JrbooA4zxPbeJF0mAz6tpTr/aNiAE0uRTu+1RbTk3B4BwSO4BGRnI2Psnir/oM6P/AOCiX/5Jo8W/8gW3/wCwnp//AKWQ1t0AYn2TxV/0GdH/APBRL/8AJNH2TxV/0GdH/wDBRL/8k1t0UAYn2TxV/wBBnR//AAUS/wDyTR9k8Vf9BnR//BRL/wDJNbdFAGJ9k8Vf9BnR/wDwUS//ACTR9k8Vf9BnR/8AwUS//JNbdFAGJ9k8Vf8AQZ0f/wAFEv8A8k0fZPFX/QZ0f/wUS/8AyTW3RQBifZPFX/QZ0f8A8FEv/wAk0fZPFX/QZ0f/AMFEv/yTW3RQBifZPFX/AEGdH/8ABRL/APJNH2TxV/0GdH/8FEv/AMk1t0UAYn2TxV/0GdH/APBRL/8AJNH2TxV/0GdH/wDBRL/8k1t0UAYn2TxV/wBBnR//AAUS/wDyTWP4ntvEi6TAZ9W0p1/tGxACaXIp3faotpybg8A4JHcAjIzkdnWJ4t/5Atv/ANhPT/8A0shoAPsnir/oM6P/AOCiX/5Jo+yeKv8AoM6P/wCCiX/5JpPEfiePQntLSC0m1HU75mW1soCA0m0ZLFjwqjjJNZ0HjK/tNWtLLxVoD6Qt9IIba5ju1uImkPRGIAKk9uOaFqGxpfZPFX/QZ0f/AMFEv/yTR9k8Vf8AQZ0f/wAFEv8A8k1Q1fxVqtt4rOhaJoMepSrZrdu8l8IMKXK4wUOeR696TV/FWraPpGmSz6BG2paheC0WyF+NqEhiD5mzB+76d6Ol/wCuwf1+pofZPFX/AEGdH/8ABRL/APJNH2TxV/0GdH/8FEv/AMk1Jol/rd6039uaJFpYUDyzHei48zrnooxjj8616AMT7J4q/wCgzo//AIKJf/kmj7J4q/6DOj/+CiX/AOSa26KAMT7J4q/6DOj/APgol/8Akmj7J4q/6DOj/wDgol/+Sa26KAMT7J4q/wCgzo//AIKJf/kmj7J4q/6DOj/+CiX/AOSa26KAMT7J4q/6DOj/APgol/8Akmj7J4q/6DOj/wDgol/+Sa26KAMT7J4q/wCgzo//AIKJf/kmj7J4q/6DOj/+CiX/AOSa26KAOM8T23iRdJgM+raU6/2jYgBNLkU7vtUW05NweAcEjuARkZyNj7J4q/6DOj/+CiX/AOSaPFv/ACBbf/sJ6f8A+lkNOXXyvjRtAuLXyt9n9qt7jzMiYBtrrtxwRkHqcg0dbB0uN+yeKv8AoM6P/wCCiX/5Jo+yeKv+gzo//gol/wDkmn3evfZ/Fmn6FBbedJdQy3E0nmY8iNMAHGDnLEDtWxR0uBifZPFX/QZ0f/wUS/8AyTUEmkeIJruG6m1DQZLiAMIZm0WQvHu4O0/aMjPfFdFRQByeoeFNQ1adZtVbwzeyquxZLnw+0jBeuAWuDxyajs/Bt1p10l1p6eFbW4jzsmg8OlHXIwcET5HBxXYU122Rs2M7QTileyuG5jfZPFX/AEGdH/8ABRL/APJNH2TxV/0GdH/8FEv/AMk1L4Y13/hJPDFnq/2f7N9pQt5W/ftwxHXAz09Ko6V4ovtb8HWet6Zo3nzXMm02n2pV2KJCrNvIAOAM4xz0qrO9g6XK+oeFdR1aZZtVbwzeyqNqvc+H2kYD0Ba4NXo7DxNDEscOraLHGgCqi6PKAoHQAfaa3qwfEeuXOkajoVvbJEyajfi2lMgJKrsZsrgjnKjrml5B5j/snir/AKDOj/8Agol/+Sax7m28Sf8ACbaYG1bSjMdOvCjjS5AoXzLbcCv2jJJO3ByMYPBzx2dYl3/yP2lf9gy9/wDRtrQAfZPFX/QZ0f8A8FEv/wAk0fZPFX/QZ0f/AMFEv/yTTvDuvnXUv0ntfsd1YXj2s0Pmb8EYKsDgcMpB6Uuka9/a+savaQ222302Zbf7R5mfNk27nG3HG3IHU5z2o3/MBn2TxV/0GdH/APBRL/8AJNH2TxV/0GdH/wDBRL/8k1t0UAc7FpHiCC5nuINQ0GOe4IM0qaLIGlwMDcRcZOB61nT+B5rq4knuYPCc00rF3kk8OFmdj1JJnyTXZ0UActp3hrVdH8z+yZvDdj5uPM+y6C0e/HTO24GcZP51e+yeKv8AoM6P/wCCiX/5Jp/inXv+Ea8Py6n9m+0+XJGnl+ZszvcLnOD0znpS+Kte/wCEZ8N3OrfZvtPkFB5XmbN251Xrg/3s9KN/yDqR/ZPFX/QZ0f8A8FEv/wAk1mDwherqH29R4XF5v3/aR4ebzN397d9ozn3roZLq+XWLa3i07zLKSJmlvPPUeUw+6uzq2fUdKu0eYGJ9k8Vf9BnR/wDwUS//ACTR9k8Vf9BnR/8AwUS//JNMt9cuZfH15obJELaCwiuVcA7yzOykE5xjAHat6jpcOtjjNFtvEh1bxCItW0pWGooJC2lyEM32W35A+0DAxtGOeQTnnA2Psnir/oM6P/4KJf8A5JpuiNs1bxQ2M7dSQ4/7c7ep/DGu/wDCSeGLPV/s/wBm+0oW8rfv24YjrgZ6elHRsCL7J4q/6DOj/wDgol/+SaPsnir/AKDOj/8Agol/+SaraV4ovtb8HWet6Zo3nzXMm02n2pV2KJCrNvIAOAM4xz0rpKdrAYn2TxV/0GdH/wDBRL/8k0fZPFX/AEGdH/8ABRL/APJNM8R65c6RqOhW9skTJqN+LaUyAkquxmyuCOcqOua3qXS4dTE+yeKv+gzo/wD4KJf/AJJo+yeKv+gzo/8A4KJf/kmtuigDE+yeKv8AoM6P/wCCiX/5Jo+yeKv+gzo//gol/wDkmtuigDE+yeKv+gzo/wD4KJf/AJJo+yeKv+gzo/8A4KJf/kmtuigDE+yeKv8AoM6P/wCCiX/5Jo+yeKv+gzo//gol/wDkmtuigDE+yeKv+gzo/wD4KJf/AJJo+yeKv+gzo/8A4KJf/kmtuigDE+yeKv8AoM6P/wCCiX/5Jo+yeKv+gzo//gol/wDkmtuigDjPCNt4kbwToZttW0qOE6dbmNJNLkdlXy1wCwuACcd8DPoK2Psnir/oM6P/AOCiX/5JrP0bWrPw98KNG1PUnKW8GlWxO0ZZiY1AUDuSSAKrT+NdesLQ6lqng24t9KUb5JUvY5Joo/7zRAenJAYkUXA2fsnir/oM6P8A+CiX/wCSazB4QvV1D7eo8Li837/tI8PN5m7+9u+0Zz71a8Q+LW0vTNJutHsk1U6rcRwW6/aPJVt6llbdtPp6d6T/AISHW7PQtU1LXPD8VkLG3aeOOPUBN520EkZCDb0HPPWja77BvZdy19k8Vf8AQZ0f/wAFEv8A8k0fZPFX/QZ0f/wUS/8AyTVPQtf8R6rJaS3fhmCzsLlBJ9oGpiQqpXIOzYCc8d+9dPTaa3EmnsYn2TxV/wBBnR//AAUS/wDyTR9k8Vf9BnR//BRL/wDJNbdFIZifZPFX/QZ0f/wUS/8AyTR9k8Vf9BnR/wDwUS//ACTW3RQBifZPFX/QZ0f/AMFEv/yTR9k8Vf8AQZ0f/wAFEv8A8k1t0UAcxqFv4gSTS2vtT0yaD+2dO3JDpskbH/TYcYYzsBzg9Dnpx1r2rbc/89ov+/R/+KryrW/9Vpv/AGGtM/8AS6GvW6APGPEejf8ACQeBbvTB/rJrX90fSQAFD/30BXKaJqzeOdZ8M7+V0q0N9fIe1zzEqkdiGEjflXolp/x5w/8AXNf5VR0nw7pWh3N9caVZrby38vnXLBmPmPyc8k46ngYHNC0f9f1/wyB6q39f1/medrpd74r8ReIpL3RdP1V7W+e0i+26hJC1tGANuxFjbbkfNuByST6VY13Rr19C8E6R4gvHmuDqYinnt7htzrsk48zAJ+XCk8E812mpeDtC1bUGvryyYXTqEklgnkhaQDoH2MN3pzmrLeHtKaLT4hZRpHpkgltEjJRYmAIyACAeCeDnrRHRJen4BLVtrz/E5PxBoth4LbQ9a0W2S0tdOuvIuUUkjyJztY5JzwxVvzrQ8Hr/AGrr2veJWIaO5uPsdoev7mHKkj2Z9xrS8Z2l5qHgzU7LTbMXlzdQNDHEzqoy3G7JIHGc/hT7K1PhfwxYWGnadcXwtY0h8q1MatwOXPmOo5PXnOTQut/6v/X4sH0/rb+vwNmuP8Lf8lA8Z/8AXe1/9E1q/wBvaj/0Kesf9/bP/wCP1W1DwD4c1XU59RvbGY3VwQZXS8mj3EAAcK4HQUbO/wDXQDFm0qx8XfEjWbDxIpurbTLe3+x2TSER/OpLy7QRk5+XPb8qybTS5dS8N+M/DunTSTWmm3YOls0hk8p1USeUGOThXAH412uoeB/DuqxWiX2n+YbOIQwSrPIkioBgKZFYMR9Se9aelaRYaJp6WOk2kdrbR/djjGBnuT6n3NK2jt/Wu476p/1tax53e6s2s6xpPiu3Yi30iK0MgA4/0k4lz/uqUPtXT+EYvtmqa7rzjP228NvCcY/cwfux+bBzWhbeEtDtNIvdLt7BUsr9ma4i3sd5YYPJORwOMEY7YrQ0/T7bStPhsbCPyreBdsabi2B9SST9TVf19/8AX4k2/r0LNFFFIYUUUUAYehAHWfEwIyDqaZH/AG521efGSay0XVfh9C5juZtUFraeotJsyFh7BRIK9C0H/kNeJv8AsJp/6R21WJPDulTeI4teks1bU4YjDHcbmyqc8YzjuecZ5o66/wBf1t82HTQ4vxXa3F7420rw9Dp9readDpxnisrq6aCGV1YLztVt+1cYU8ck1DdaHqWh/D7xjFdx21rYy2jPaWNvdPOtt8h3gFlXAJwQBwOa7vWfD2l6+kK6raCYwNuhkV2jkjPfa6kMM98HmoYfCmi2+j3emRWQFreqVuQ0js82Rg7pCdxOOM5pO7i11dxqya7Kxyx8AadJ8P5v7LikGrXVpFOLyWRpJJJ0AdGJJ67uOOxpNJ1ZfHfifQLmPb9n0yx+33KDotzICip9V2yGu+hhS2tkhgTEcSBEXOcADAHNcr4H0K48P6NqV5d6d5OoaheTXklpE6MygsdkYbO08e+MselW3eTfTf8Ar8/kSk+VLrt/X5fM66uP13/kqnhT/rhe/wDoC1q/29qP/Qp6x/39s/8A4/UeoeG9L8XQ2l1r+lXMM8AcRxyXJjkiyecmGQg5wD1NT1v/AFsPpYy/HI+3694b0K8mki0zUp5ftSpIU87ZHlYiRzhj1HfFULTS7Lwx8ULLSPDyGCx1DT5nvbFZGaNCpGyTaSdpPK+9dGPA/h4aHJpD6f5tlJL5xjmnkkIfGNyszFlOB2I7+pqxonhXRfDjTPo9isEk2PMlZ2kkcDoC7ktj2zQkr/12B6r+u556NPmv/C48AiRllt9SmgLYwRBGpmjb/wAeiFbui3reLPEuh3kq/LpmmfaZgV+7cy/Jj6gJJx2zXVpoOmR+IJNbS1A1GWIQvPublOOMZx2HOM8UaToGmaG102l232c3cpmmw7Nuc9TyTgcngYFC8/6drf8AB9Qev9ed/wDgeho15jrIaP4R+Db1lLWli+m3N5hd2IVRcnHoCQa9OrB8HxRz/DvQopkWSN9Kt1dHGQwMS5BHcUeaAx/Ht1rFr4auvEXh3xI1tb29sJEgjtoZUmOfvb2BPII6ccVV1WGLxR450nRdeZn01tJN79lEhRLmbcB8wGMhRyB71qj4ZeDxP5o0WPAfzBEZZDFu9fL3bP0rW1rwzo/iG3hh1exSdYDuhYMyNGf9llII6Doewo/r8/8AP8A/r8v6+Zxdgx8LeJPFWl+HNxsLPSlvIrYyF0trjDfIuScbgA2KzLvw5o1v8KR4sjuJhrn2Nbwat9pbzWnIBxnOME/Ltx+telaL4e0rw7avb6NZpbRyNvkIJZpG9WZiSx+prLj+HXhSLUBeR6NCJFk81U3uYlf1EWdgP4Uv6v8Af/XyH1v+H3f18zB1CBPFfjTRdJ8TIxszo3202fmFFmuCyghgCM7RyB7mpfA1hZ6X8QvFtnpsryW8KWaqrzGXyvlf5ASSQB0wenSuq1zwxo/iRIV1myW4MDFonDtG6E9cMpDDPpmjR/DOjeH5ZpNGsI7Np0RJPLJwwTO3jOM/MeepzzmqT/X8/wCkTbS3p+Fv+HNWiiikMKKKKACsTxb/AMgW3/7Cen/+lkNbdYni3/kC2/8A2E9P/wDSyGgDH+ISNp66R4mhUltHvFaYgc/Z5Pkk/mD+FVdNuJ7ufxb4tswJnWJ7PTsc5WBWyR6hpM/lXbX1lb6lp89lfRCW2uI2jljJI3KRgjI5qLStKstE0uHTtLgEFpAu2OMMTgZz1JJPJ70raNf1r/X4sd9U/wCtP6/A8r0rwvq2qeHNP1bTLDTYdSmEd0NbbVZWnZiQWLjy+QeQUzgdO1bl/wCHdP8AEfxdvrfWY3uLaPSYHNv5rLG7eY4BYAjOOcema6KPwF4ahuvPi0xVAk80QCaTyA+c58nds68/drWTSrKPWZdVSHF7NCsDy725RSSBjOOpPOM1V1dP1/KxOtnr/Vzib/UIPAHi7VJmCpp+p6c13En/AE8QLtZR7spU+5FdH4J0iXRfCNnb3fN5KDcXTd2lkO9s/icfhVPxl4fm8San4ftjZLNY2179qup2ZfkCKdqbScncSBwD0ra1DUrqynWO20S/1BSuTJbPAFU+h8yVTn8Mc9aS21/r+tvkhvf+vT+vUuz/APHvJ/uH+Vcv8L/+SZ6P/wBcn/8ARjVr2uq3l5cLBceHdStI3BDTTyWxReO+yZm9uAetZll8OPC+nXME9lYTRPbuJI8X05VWByPlL4PPbGKF187fqByeieHdG8T+C7vxL4id5NWka4eS8a4ZWsijMFVMHCBQAcf0qe0u72Xw/wCBvFmoFjcQuttduwyXin/dhz/wIRnPvXU3vw+8LajqUt9d6RG80zh5QJHVJW65ZAwVjnnkHNbF/pVjqekyaZe26vZyIEaEEqNo6AbcEYwOlC0Wnl+H+YPV/f8Aj/ked2OqvoWrar4jnLNBrdrc3EQxnLW7bYgP96M5x3xXbeENIbQ/CdhYy/69Yt859ZW+Zz/30TTrrwpot7p9hY3NiHttOZWtUEjr5ZUYHIOTx2Oc981sULRW/r+v8kD1d/6/r/MKKKKACiiigDE8W/8AIFt/+wnp/wD6WQ1t1ieLf+QLb/8AYT0//wBLIa26ACiiigAooooAKKKKACiiigAooooAKKKKACiiigArE8W/8gW3/wCwnp//AKWQ1t1ieLf+QLb/APYT0/8A9LIaAMPUpEs/jTpM14wWK70qW3ti3A80SBiAfUr2p3xLdLjTdJ0uJgb291S38iMfewrhmbHXAA5PvXTaxoemeILH7HrNlFeQbtwSQfdPqCOQfcVS0bwZ4f0C7a60vTljuWXb58kjyyAegZySB7ChdL9H+twet/P/ACsczqlnqt58YJk0TVY9MlXRYy8kloJ9y+c3GCwxz3pfG9pqi6f4VtpdUjfUv7ZiAvhagKGKvhvL3Y444zziu1XSrJdafVlhxfPALdpd7cxhtwXGcde+M0X+lWWpyWj30PmtZzrcQHey7JACA3B56ng8ULRJef63B6tvuv0sVtEsdZslmGuazFqhYjyzHZi38vrnoxznj8q1aKKACiiigAooooAKKKKACiiigAooooAxPFv/ACBbf/sJ6f8A+lkNY/xCRtPXSPE0Kkto94rTEDn7PJ8kn8wfwrY8W/8AIFt/+wnp/wD6WQ1qX1lb6lp89lfRCW2uI2jljJI3KRgjI5o13Q9NmcTptxPdz+LfFtmBM6xPZ6djnKwK2SPUNJn8q5zSvC+rap4c0/VtMsNNh1KYR3Q1ttVladmJBYuPL5B5BTOB07V6ppWlWWiaXDp2lwCC0gXbHGGJwM56kknk96yY/AXhqG68+LTFUCTzRAJpPID5znyd2zrz92hWT+7+vnuJ3a/r+tDnb/w7p/iP4u31vrMb3FtHpMDm381ljdvMcAsARnHOPTNOv9Qg8AeLtUmYKmn6npzXcSf9PEC7WUe7KVPuRXbJpVlHrMuqpDi9mhWB5d7copJAxnHUnnGawPGXh+bxJqfh+2Nks1jbXv2q6nZl+QIp2ptJydxIHAPSl0S9fxb/AC3+Q+rf9aW/P9S54J0iXRfCNnb3fN5KDcXTd2lkO9s/icfhW3P/AMe8n+4f5VS1DUrqynWO20S/1BSuTJbPAFU+h8yVTn8Mc9ajtdVvLy4WC48O6laRuCGmnktii8d9kzN7cA9acveTsKPu7nC+AdJ8U3HgLTJdO8UW9natG3lwNpaylBvbjcXGfyrPhyP2f9Kycn7bDk/9vdeqaXpdno2lw6dpsPk2sAKxx7i20Ek9SSepNUh4V0ZfD8WiCz/4l0LiRIfNfhg+8HdnP3uetVf3r+af3MVvdt/WxxHiL+ztR8ca3b6/o+oa9bwWsMdrFaQSSrbuyksuF4R2yp3+ncYqnc+FzYeFfAujX0TWM0mpqboWr+W+4xvn5l74ABI961dW8MXD+MNV1DU/CMXiOO7CfZZ454ozAqrjYVcrg5yd4JPT0xW14X8JG10Gxi19PMuLO8e7tIhcPILPOQkYbIL7VOOcjn6VMVpr5P8AG/8AX9Xcv8/yM/RtJs/DPxUfTNEja1sbvSTcy24kZkMqyhQ+CTzg4NdDd/8AI/aV/wBgy9/9G2tXzpVk2tLq5h/05YDbCXe3EZbcVxnHUZzjNULv/kftK/7Bl7/6NtaOiX9bsOrf9bHNa1qMfgr4g3Wq3Hy2Or6azv6G4gBIH1KHHvis3UrbUtB+FumW+dt3q2oRtqMnnGL/AF7lmBcAlQTtQkDpXf634d0rxHbwwa1ZrdRQTCaNSzLtcZAPBGep46Vav9PtNUsJbLUbeO5tpl2vFIuVYf559qXT+tr3/wCB8kPr/W9rfgcV4f8ACupaR4qs7y00zTdEshE8d3BZ30kouePkJQxqNyn+LrgmqvgLwrpOof2jq2oQNdXcerXiRGWRisK+YwKqucAHJzxzmuv0rwloui3QubC0YTqmxJJp5JmjXuFLsdo9hirum6VZaRBLDp0PkxyzPO43s2Xc5Y8k9T26VXX5fqLX8f0PMfOnTw3N8PBL/pn9qDTozn5vsbfvt/08sFa9XiiSCFIolCpGoVVHYDgCuXtvD80/xSvfEF3ZLFDBZR2tpLuUmYkku+AcjGdvOO9ac+tX8NxJHH4Z1WdUYgSxy2oVx6jdMDg+4B9qV9Nd/wCl/wAH5g9/69f+B8jG+KoY/Dy8CNtYzW+GIzg+cnOKwPiBpPie28EXsup+J4L61VovMt00tYi/71MfMHOOcHp2rtnhj8UafNY65od5a2+5G2XUsf7whtwwYZGPBA64/Hmr2q6VZa3psthqcPn2spUvHvK5wwYcgg9QKFp99/yH1Oa1X/kq/hr/AK8Lv/2SuCXSbXxVoUQ/sC+1HXrnUDJ/a00DmBohMfn8xvl8vyxtCdfbvXr91pFrc6hDqPlgX9tDJFbzFmxGHAz8ucHoOvpXmEXge/Tw+2m/8IZCmtMzD+3Evo0QOST5wKkSAA87AvbFC3Xl/ncVtP67WNi48M6ZrPxYu7K/hd7K30aALapIyRsPMYAMFIyBjgHitT4cL9ls9b0yN5GtdO1aa2tUdyxjiAUhQTzgZNdDY6LbWl4uoODNqLWsdtNdMxzKq8/dzgcknp3qWw0qy0t7trGHyjeTtcznezb5GABbknHQcDimtNPX87/kLdfd+VjM0j/kJeKv+wiv/pFb1x/gHSfFNx4C0yXTvFFvZ2rRt5cDaWspQb243Fxn8q7PQ1Dax4nVuQdTQH/wDtq0dL0uz0bS4dO02HybWAFY49xbaCSepJPUmpa0f9dxnlcOR+z/AKVk5P22HJ/7e60PEX9naj441u31/R9Q163gtYY7WK0gklW3dlJZcLwjtlTv9O4xXbjwroy+H4tEFn/xLoXEiQ+a/DB94O7Ofvc9a5HVvDFw/jDVdQ1PwjF4jjuwn2WeOeKMwKq42FXK4OcneCT09MU5e836t/gkNaO/9b3Mq58Lmw8K+BdGvomsZpNTU3QtX8t9xjfPzL3wACR71v6NpNn4Z+Kj6ZokbWtjd6SbmW3EjMhlWUKHwSecHBrQ8L+Eja6DYxa+nmXFnePd2kQuHkFnnISMNkF9qnHORz9K6A6VZNrS6uYf9OWA2wl3txGW3FcZx1Gc4zVX96/r+VvwZPS39b3LlFFFSMKKKKACiiigAooooAKKKKACiiigDy/XD5Xwg8G3kv8Ax62b6ZPdcceWFUHPtkiu68RalZWPhO/vruaMWotXO/cCGBXgD1zkAeuareEreG6+HGh29zEk0MulW6SRuu5WUxKCCD1FVrX4b+ErO7juINGj3RNvjSSWR40PqI2YqD+FJq8XF9f8rfoUnZqXY4+80+/tvAHw/skn+x332+3CySRb/KYo5GVJGcZ6ZrptcsdZsvh/4jGuazFqhawl8sx2Yt/L+Rs9GOc8flXTX+lWWpyWj30PmtZzrcQHey7JACA3B56ng8VLfWVvqWnz2V7H5lvcRtHKm4jcpGCMjkcelOfvKXnf8kTD3XHyt+bOX8Hab4hh03Sri98Qw3Nh9kjItF04RsAYxtHmbyeOOcc4rr6itreKztIba3XZDCixxrknCgYAyfYVLVSd3dExVkkwoooqSgooooAKKKKAM3W/9Vpv/Ya0z/0uhr1uvJNb/wBVpv8A2GtM/wDS6GvW6APGY/CPhu5jWe58PaVNNKA8kkllGzOx5JJK5JJ707/hCvC3/QtaP/4ARf8AxNZfjS4u9L8NafrllPcINLminuYYnIE8BwsisOh4ORnpin+NNRmnsdJ0vSLqSG41q7jjSaByrpCPnkdSOR8o/Wha/fb+v66BsaP/AAhXhb/oWtH/APACL/4mj/hCvC3/AELWj/8AgBF/8TVe/wDGVtZ6hc2dnpmp6q9mB9qawgDrCcZ2kswy2DnC5NN1Lx5o2m6NpmqE3FzaapIIrZraEuxYqSAV65JG3GM5oAtf8IV4W/6FrR//AAAi/wDiaP8AhCvC3/QtaP8A+AEX/wATUVn4vgudQ06yudM1LTp9RWUwreRKnMfJU4Y8kcjsR3q9ba5bXfiG90eBJWnsY45J5MDy1L5KrnOd2Bnp0IoArf8ACFeFv+ha0f8A8AIv/iaP+EK8Lf8AQtaP/wCAEX/xNbdcr4bvLmfxx4tgnuJZIbea2EMbuSsYMWSFB4GTzxR1Av8A/CFeFv8AoWtH/wDACL/4mj/hCvC3/QtaP/4ARf8AxNR6z4ws9I1NNNisr/VL8x+a1tp8IkaNOgZskAAnjrmoP+E80k+GZ9cVLryLWYQXUDRbZrd9wUh1YjGNwJ56etC12At/8IV4W/6FrR//AAAi/wDiaP8AhCvC3/QtaP8A+AEX/wATUl94lsdP8Rabo04lNzqIcxMoBRdoz8xzxnBxwc4NTWetW99rWoaZBHL5mniPzpCBsJcbgoOc5A68dxQBV/4Qrwt/0LWj/wDgBF/8TR/whXhb/oWtH/8AACL/AOJrbooAxP8AhCvC3/QtaP8A+AEX/wATR/whXhb/AKFrR/8AwAi/+JrbooA4zRfCPhuXVvEKS+HtKdYdRRI1ayjIRfstu2B8vAyzHHqSe9bH/CFeFv8AoWtH/wDACL/4mqMdlLqS+MrO2uZrWaa9CxzwuUeNvsVvggjkc4qvpfjD/i1ja/e5+02ds6XCt18+P5SPxYfrSbsm+w7XaXc1v+EK8Lf9C1o//gBF/wDE0f8ACFeFv+ha0f8A8AIv/iay9O1h/DHhvRtP1X+0NW1q6h8xoIR5szMfmcksQAqlsZJA6AVdi8a6dJoWqak9veQNpKsbyzmiCzxYG7GM4ORyCDg+tN6X8hLW3mT/APCFeFv+ha0f/wAAIv8A4mj/AIQrwt/0LWj/APgBF/8AE1mr8RNPbSZdVOl6ummx+WRdyWwRJEdtu9csCVBIzxnHIBrb1DXbbTtT0ywkSWW41KRkhWIA4CruZmyRhQPTPUU7NAVv+EK8Lf8AQtaP/wCAEX/xNH/CFeFv+ha0f/wAi/8Aia265XWby5i+JXhm1iuJUt5obsyxK5CSFUXBYdDjtml1sHQv/wDCFeFv+ha0f/wAi/8AiaP+EK8Lf9C1o/8A4ARf/E1Pr/iGy8O2cc16JpHmkEVvb28ZeWdz0VF7n9Kp6P4xs9W1CbT3stQ07UIovPFpfQCOSSPONy4JBGeOtFwJf+EK8Lf9C1o//gBF/wDE0f8ACFeFv+ha0f8A8AIv/iaqTePNKg8Ex+J3iujZyEKIlRTMG3FSCu7GQQc89Aa1LrXbW21XTdP2SSzakHaIxAFVVF3Fm56cgcZ5IoArf8IV4W/6FrR//ACL/wCJrH8I+EfDdz4J0Oe58PaVNNLp1u8kkllGzOxjUkklckk967OuD/t260L4R+HG0xY21C9tLKztPN+4JJI1AJ9gMn8KBnQ/8IV4W/6FrR//AAAi/wDiaP8AhCvC3/QtaP8A+AEX/wATXNXujadpcqLrnxH1K01RgJC0uqxwKT6iA/LtyDxg/Wuk1nxRZ6ALO3lS61G+uh+5trKISSzAD5nxkAAdckgUCF/4Qrwt/wBC1o//AIARf/E0f8IV4W/6FrR//ACL/wCJo0PxXYa79rRI7mxurIj7Va30flSwgjIJGSMEc5BIrJ/4WZpIQXTWGrLpRfYNWNp/ox5xu3Z3bc8Z24zQBrf8IV4W/wCha0f/AMAIv/iaP+EK8Lf9C1o//gBF/wDE0mu+K7PQprW3NteaheXYLQWthF5sjqMZbqAFGRySK57wXqkOsfEPxXdQRTwgxWavFcRGOSNgj5VlPcfl6ULUHornRf8ACFeFv+ha0f8A8AIv/iaP+EK8Lf8AQtaP/wCAEX/xNbdFAGJ/whXhb/oWtH/8AIv/AImj/hCvC3/QtaP/AOAEX/xNbdFAGJ/whXhb/oWtH/8AACL/AOJrH8T+EfDdvpMDweHtKiY6jYoWSyjBKtdRKw4XoQSCO4JFdnWJ4t/5Atv/ANhPT/8A0shoAP8AhCvC3/QtaP8A+AEX/wATR/whXhb/AKFrR/8AwAi/+JqhrN5cxfErwzaxXEqW80N2ZYlchJCqLgsOhx2zWtr/AIhsvDtnHNeiaR5pBFb29vGXlnc9FRe5/Sjon/W9g6kH/CFeFv8AoWtH/wDACL/4mj/hCvC3/QtaP/4ARf8AxNRaP4xs9W1CbT3stQ07UIovPFpfQCOSSPONy4JBGeOtQzePNKg8Ex+J3iujZyEKIlRTMG3FSCu7GQQc89AaALf/AAhXhb/oWtH/APACL/4mj/hCvC3/AELWj/8AgBF/8TVm6121ttV03T9kks2pB2iMQBVVRdxZuenIHGeSK0qAMT/hCvC3/QtaP/4ARf8AxNH/AAhXhb/oWtH/APACL/4mtuigDE/4Qrwt/wBC1o//AIARf/E0f8IV4W/6FrR//ACL/wCJrbooAxP+EK8Lf9C1o/8A4ARf/E0f8IV4W/6FrR//AAAi/wDia26KAMT/AIQrwt/0LWj/APgBF/8AE0f8IV4W/wCha0f/AMAIv/ia26KAMT/hCvC3/QtaP/4ARf8AxNH/AAhXhb/oWtH/APACL/4mtuigDjPE/hHw3b6TA8Hh7SomOo2KFksowSrXUSsOF6EEgjuCRWx/whXhb/oWtH/8AIv/AImjxb/yBbf/ALCen/8ApZDW3QBif8IV4W/6FrR//ACL/wCJo/4Qrwt/0LWj/wDgBF/8TW3RQBif8IV4W/6FrR//AAAi/wDiaP8AhCvC3/QtaP8A+AEX/wATW3RQBif8IV4W/wCha0f/AMAIv/iaP+EK8Lf9C1o//gBF/wDE1t0UAYn/AAhXhb/oWtH/APACL/4mj/hCvC3/AELWj/8AgBF/8TW3RQBif8IV4W/6FrR//ACL/wCJo/4Qrwt/0LWj/wDgBF/8TW3RQBif8IV4W/6FrR//AAAi/wDiaP8AhCvC3/QtaP8A+AEX/wATW3RQBif8IV4W/wCha0f/AMAIv/iaP+EK8Lf9C1o//gBF/wDE1t0UAYn/AAhXhb/oWtH/APACL/4msfxP4R8N2+kwPB4e0qJjqNihZLKMEq11ErDhehBII7gkV2dYni3/AJAtv/2E9P8A/SyGgA/4Qrwt/wBC1o//AIARf/E0f8IV4W/6FrR//ACL/wCJrK8TX2o6l4t0/wAK6VfSacs1s95e3UGPNWIHaFQkEKSx69scVn6xa33gKaw1Wy1vU7+wku4ra9tNRuDP8jnaHRiMqwJHGcGha28/+G/MHpfy/wCHOl/4Qrwt/wBC1o//AIARf/E0f8IV4W/6FrR//ACL/wCJrmNeEd/8T5LDUfEF/pVkmlJMi22otbK0nmsOxwTj+VJ4sjjsNC8OWdl4g1AWdxqqRTXw1FvMeNg5OZc8gH8BihapPv8A52B6Nrt/lc6j/hCvC3/QtaP/AOAEX/xNH/CFeFv+ha0f/wAAIv8A4mmeGdNsLE3Dadrt7q2/aH+06iboR9cYyTtz+uK3qAMT/hCvC3/QtaP/AOAEX/xNH/CFeFv+ha0f/wAAIv8A4mtuigDE/wCEK8Lf9C1o/wD4ARf/ABNH/CFeFv8AoWtH/wDACL/4mtuigDE/4Qrwt/0LWj/+AEX/AMTR/wAIV4W/6FrR/wDwAi/+JrbooAxP+EK8Lf8AQtaP/wCAEX/xNH/CFeFv+ha0f/wAi/8Aia26KAMT/hCvC3/QtaP/AOAEX/xNH/CFeFv+ha0f/wAAIv8A4mtuigDjPE/hHw3b6TA8Hh7SomOo2KFksowSrXUSsOF6EEgjuCRWx/whXhb/AKFrR/8AwAi/+Jo8W/8AIFt/+wnp/wD6WQ1naheXGjfEvTjNcztp2s27WwiaQmOK4T5lIHQblyOOpAo6pB0uaP8AwhXhb/oWtH/8AIv/AImj/hCvC3/QtaP/AOAEX/xNZ899PffEyO0iupIbHR7Fri7CyFUeSXhFcdCAqs3NCfELTWEVw9hqcWmTSiKPVJLcC3Yk4Vs7twUnADFQOetC1/rzsH9fqaH/AAhXhb/oWtH/APACL/4mj/hCvC3/AELWj/8AgBF/8TVTV/HNjpGvtoo0/U77UBAtwsNlbiQshJBI5GMY5zjqMZrR0vxBbarqWoWEcM9vc6eyCVJ1AJDruVhgngjPXHINHS4bEP8AwhXhb/oWtH/8AIv/AImj/hCvC3/QtaP/AOAEX/xNWdB1y28Q6X/aFikq27SvGjSgDzArFdwwT8pIOP5VfmJEEhBwQpwfwpN2VxrV2Mf/AIQrwt/0LWj/APgBF/8AE0f8IV4W/wCha0f/AMAIv/iaxvAPiS0l8A6Y+q6zC94Y281rm6BkJ3t13HPTHWsvSNW3/B7S9Q1rUdW3NcqGuLSf9+5NwVUFmPK9Afaqtrb0/Em+lzrf+EK8Lf8AQtaP/wCAEX/xNH/CFeFv+ha0f/wAi/8Aiai1fxfbaXfzWUGnalqlzbxCa4jsIA5hQ527izKMnBwBk8dK5TxL4rtNRsfCGv8A2W8trRtXVkSWMNI48twCFjLZyTgDrntS3/D87Den9eVzsP8AhCvC3/QtaP8A+AEX/wATWPc+EfDa+NtMgXw9pQhfTrx3jFlHtZlktgpI24JAZsHtk+tamh+LrTW9SuNONlf6dfQRiU29/B5bPGTjeuCQRnj1qS7/AOR+0r/sGXv/AKNtaAD/AIQrwt/0LWj/APgBF/8AE0f8IV4W/wCha0f/AMAIv/iazvCV7cW2va94e1C5nuJbO4FzbSTyF2a3lGVGTydrBh+VVND8RrHa694o1W7nOnzX32exhBZwUjPljy0/vO+7p14o/wArh/mbn/CFeFv+ha0f/wAAIv8A4mj/AIQrwt/0LWj/APgBF/8AE1Hpni23v9WTTbrTtR0u7mjMsEd/Cq+co+9tKswyMjIJBHpVTT/H9lq2oy2mm6Vq1yYJ5LeeVLYeXE6E8Fi2OccYz1GcUAX/APhCvC3/AELWj/8AgBF/8TR/whXhb/oWtH/8AIv/AImox4y0w+CT4oxOLIRlzGVHm5DbdmM43buMZ6963In82FJCjJuUNtfquex96AMf/hCvC3/QtaP/AOAEX/xNH/CFeFv+ha0f/wAAIv8A4mqHxJvbjT/A1zcWdzLbSrNABLFIUYAyqDyPbIqp8QvElrF4Gvm0jWYUvN0Xlm1ugJP9amcbTnpn8KFr99vy/wAw6m1/whXhb/oWtH/8AIv/AImj/hCvC3/QtaP/AOAEX/xNRXl1bR+ONIt5LnUVuZrWZo4I5ALZwu3JkXqWGRg/Ws6++JFhZxtcQ6RrF7ZC4+zC9t4E8lpN23ALupxu+XdjGe9Hb+utg/r8Lmt/whXhb/oWtH/8AIv/AImj/hCvC3/QtaP/AOAEX/xNcpceII9J+LF3LJYX9zPcaNAY7O1g8yX/AFjE5wdoxnkk4967Lw/4gs/EmmfbbBZowsjRSw3EeySGRfvIy9iKFqr/ANb2Dr/Xa5gaL4R8Ny6t4hSXw9pTrDqKJGrWUZCL9lt2wPl4GWY49ST3rY/4Qrwt/wBC1o//AIARf/E0zRyRqfiog4I1FcH/ALc7eq3w5u7i++Huk3N7PLcTyRsXlmcuzfOw5J5NHcC5/wAIV4W/6FrR/wDwAi/+Jo/4Qrwt/wBC1o//AIARf/E1m3fxF023muvs+natfWdm5S5v7S13wRFfvZbIJ29yAcVq/wDCT6c2o6TaxGSVdXieW0uEA8tgqhsEk5yQcgY7Gha7BsM/4Qrwt/0LWj/+AEX/AMTR/wAIV4W/6FrR/wDwAi/+JqTTvEtjqeu6ppVuJVn0woJmcAI+4HlTnnGCDwMGp9D1mDX9Hi1K0imjgmLeX5wALAMRu4J4OMj2oAqf8IV4W/6FrR//AAAi/wDiaP8AhCvC3/QtaP8A+AEX/wATW3RQBif8IV4W/wCha0f/AMAIv/iaP+EK8Lf9C1o//gBF/wDE1t0UAYn/AAhXhb/oWtH/APACL/4mj/hCvC3/AELWj/8AgBF/8TW3RQBif8IV4W/6FrR//ACL/wCJo/4Qrwt/0LWj/wDgBF/8TW3RQBif8IV4W/6FrR//AAAi/wDiaP8AhCvC3/QtaP8A+AEX/wATW3RQBif8IV4W/wCha0f/AMAIv/iaP+EK8Lf9C1o//gBF/wDE1t0UAcZ4R8I+G7nwToc9z4e0qaaXTrd5JJLKNmdjGpJJK5JJ71sf8IV4W/6FrR//AAAi/wDia5yTXLvQ/hD4cOl7P7QvrWysrVpBlVkkRRuI74GT+FS6h4O1TT9Jm1DTvFutSarbxtMDc3O+3lYDJUxY2hT046Ur6NvZDtrY3v8AhCvC3/QtaP8A+AEX/wATR/whXhb/AKFrR/8AwAi/+JrkvEOvSa54R8I34vrnSotUvoVuntbloSqlG3DeCOMjv6CtC7tLXSPBXiK50XxFqGoSrYyESTam1wYGCMQVOflPv7U5e6m30FH3mkupu/8ACFeFv+ha0f8A8AIv/iaP+EK8Lf8AQtaP/wCAEX/xNYPhDTdOZdMvV8U6ne3rQLI9rNq7SozFPmBjJ5xk8dsV3NNqzsJO6uYn/CFeFv8AoWtH/wDACL/4mj/hCvC3/QtaP/4ARf8AxNbdFIZif8IV4W/6FrR//ACL/wCJo/4Qrwt/0LWj/wDgBF/8TW3RQBif8IV4W/6FrR//AAAi/wDiaP8AhCvC3/QtaP8A+AEX/wATW3RQBzGoeFvD9hJpdxY6FpltOms6cFlhs40Zc3sIOCBnkEj8a9q+x23/AD7xf98CvKtb/wBVpv8A2GtM/wDS6GvW6APKZbKLUdBayuV3Q3Ft5Tj1DLg/zrhfAGl6vJrKN4hs54h4etTp1pJMhUTkuQZVz1GxUGfc11UetX8Uaxx+GNVnVAFWWOW1CuB/EN04OD15APsKd/b2o/8AQp6x/wB/bP8A+P0LR3/r+tWD1Vv6/rY4r+xo9I8Ra2utWHiKeO8vHu7W40qa4Mbq4BKMsTYVgcjLAZGOa073Rjb23guHStJu7a2ttTEskD5le3UpISXYFsct1z3rov7e1H/oU9Y/7+2f/wAfo/t7Uf8AoU9Y/wC/tn/8foWiS7W/AHrfzv8AiUPiFZyP4ZGqWig3ejTJqEXbIjOXXPum4flS+ALaR9Dm1q7jMd3rdw166sclUbiJfwQL+dM12W78QaJc6XdeGdfhguVCSNbz2SuVzkjJnPB6H2JqS7vtUmsY7ay0HxBpojwFe1fTy20DG3EkrDH4Z4oWl/69fyX3A9bf16fmzqK8+ttWl8OeO/E8t1omtXMN7LbtDLZ6fJMjBYgD8wGOtW/+Ki/6nD/yj1tDXtRx/wAinrB/7a2f/wAfo63A51L+70DxhqOty6Hqt3Ya5b28kbWtqZJbd0QgxyR/eXrn6598SeH/AA9c6vY+KbnWbKSwj8QyHy7SbG+OMR7AzAdGPXHbFb/9vaj/ANCnrH/f2z/+P0f29qP/AEKesf8Af2z/APj9Kyaa+XyHfVP+uxxFrp+s6h4eudXv9Ouk1TSltI7eJoSHlNsd8hQHqHLMAR14rsfBlnLFpE99eQyQ3Wp3Ut3LHKhR0DNhFIPIIQKMVN/b2o/9CnrH/f2z/wDj9H9vaj/0Kesf9/bP/wCP1V/6/P8AIm39fkbdFYn9vaj/ANCnrH/f2z/+P0f29qP/AEKesf8Af2z/APj9IZt0Vif29qP/AEKesf8Af2z/APj9H9vaj/0Kesf9/bP/AOP0AGg/8hrxN/2E0/8ASO2ri7vw9qI8dT6AllM+galfx6tNcCM+Um0EvEW6ZaREOPQ1uaLrV+mreIWXwxqshfUUZlWW1zGfstuNpzOBnAB4yMEc5yBsf29qP/Qp6x/39s//AI/QtHf+v6vYHqrHOeMdHceNLLWri01S705rJrSYaVLIssD79ysVjYMynJBxnGBUVxpFtJ4D8UPomj6xFPe2rRg37SSTXRCELtR2ZxjOACAT6V1H9vaj/wBCnrH/AH9s/wD4/R/b2o/9CnrH/f2z/wDj9K3uuI7+9zEiaXHqXg2PS7+MhJ7FYJUZeVymDx2Irjvh1Hf6tq73msxkSeH7b+x4mJyHlVj5rj6gRj866w67qJBH/CKawPcS2f8A8frK0ZbrQtDbTbDw54gG5pHa5knsWlLuSS5Jm2k5PcY4HBqr+85f1/Vmybe6o/1/V0jsa4nxfPPp3jrw5qq6bqF9bW0V0sv2G1aYoWVQuQo4/wDrUn/FRf8AU4f+UetWz1bVrW1SKfw9r1465zPPJYB257hJlX24ApdbjMPWL+71O+0PxPp+h6rJDpFxNHcWc1qYrhkkjA8xI2xuwfT396lsTe+J/iFY62mlX2m6fplpLFvv4vJkuJJMcBDztAGcnvW9/b2o/wDQp6x/39s//j9H9vaj/wBCnrH/AH9s/wD4/QtGD1X9d7nLWugXLeLbjQbixmOix3c+pJMYj5TCWPb5YboSHeQ49hVnwLY6hLqRudYtZ4H0myTS4DPEU83ax3yLnqGCx8iug/t7Uf8AoU9Y/wC/tn/8fo/t7Uf+hT1j/v7Z/wDx+haf18vy0B6/18/zNuuBbQrrXPhH4b/swp/aFha2V7aCQ4V5I41IU/UZH410f9vaj/0Kesf9/bP/AOP1j+Edav4vBOhxx+GNVnVNOt1WWOW1CuBGvzDdODg9eQD7CgDC8WapN4p8M3em/wDCE6xHrVxEIUeSxVkibOeJ8429eQe/StbUob/w74u03Xjpl3qNoNL/ALPnSxj82WBwwYNs6lTyCR6fTO//AG9qP/Qp6x/39s//AI/R/b2o/wDQp6x/39s//j9Gzuv63/zYeX9dP8jmrLS9R8T614i1h7G50m3v9M/s61S7Xy5XOGzIy8lRk4GecVnz6hq138PB4PTwtqiaq1otgzPABaphQpk87O0rgZGOf512v9vaj/0Kesf9/bP/AOP0f29qP/Qp6x/39s//AI/RZWt0/wCH/wA2O+t/66f5HO39te+FfFek6t/Z97qtlHpI02ZrKIyyROrBg+wckHHJH/65/B51C68b+JNTvtJu9Nhu4rXyFuV5YKrjqOM9MgE4yM1t/wBvaj/0Kesf9/bP/wCP0f29qP8A0Kesf9/bP/4/Tu+v9X1JtpZeX4f8MbdFYn9vaj/0Kesf9/bP/wCP0f29qP8A0Kesf9/bP/4/SGbdFYn9vaj/ANCnrH/f2z/+P0f29qP/AEKesf8Af2z/APj9AG3WJ4t/5Atv/wBhPT//AEsho/t7Uf8AoU9Y/wC/tn/8frH8T61fyaTAr+GNVhA1Gxbc8tqQSLqIheJyckjA7ZIyQMkADPF88+neOvDmqrpuoX1tbRXSy/YbVpihZVC5Cjj/AOtVfWL+71O+0PxPp+h6rJDpFxNHcWc1qYrhkkjA8xI2xuwfT3966P8At7Uf+hT1j/v7Z/8Ax+j+3tR/6FPWP+/tn/8AH6FogMGxN74n+IVjraaVfabp+mWksW+/i8mS4kkxwEPO0AZye9VLXQLlvFtxoNxYzHRY7ufUkmMR8phLHt8sN0JDvIcewrqf7e1H/oU9Y/7+2f8A8fo/t7Uf+hT1j/v7Z/8Ax+iy2/re/wCYf1+FvyOf8C2OoS6kbnWLWeB9Jsk0uAzxFPN2sd8i56hgsfIru6xP7e1H/oU9Y/7+2f8A8fo/t7Uf+hT1j/v7Z/8Ax+m22FjborE/t7Uf+hT1j/v7Z/8Ax+j+3tR/6FPWP+/tn/8AH6QG3RWJ/b2o/wDQp6x/39s//j9H9vaj/wBCnrH/AH9s/wD4/QBt0Vif29qP/Qp6x/39s/8A4/R/b2o/9CnrH/f2z/8Aj9AG3RWJ/b2o/wDQp6x/39s//j9H9vaj/wBCnrH/AH9s/wD4/QBt0Vif29qP/Qp6x/39s/8A4/R/b2o/9CnrH/f2z/8Aj9AB4t/5Atv/ANhPT/8A0shrbrjPE+tX8mkwK/hjVYQNRsW3PLakEi6iIXicnJIwO2SMkDJGx/b2o/8AQp6x/wB/bP8A+P0AbdFYn9vaj/0Kesf9/bP/AOP0f29qP/Qp6x/39s//AI/QBt0Vif29qP8A0Kesf9/bP/4/R/b2o/8AQp6x/wB/bP8A+P0AbdFYn9vaj/0Kesf9/bP/AOP0f29qP/Qp6x/39s//AI/QBt0Vif29qP8A0Kesf9/bP/4/R/b2o/8AQp6x/wB/bP8A+P0AbdFYn9vaj/0Kesf9/bP/AOP0f29qP/Qp6x/39s//AI/QBt0Vif29qP8A0Kesf9/bP/4/R/b2o/8AQp6x/wB/bP8A+P0AbdFYn9vaj/0Kesf9/bP/AOP0f29qP/Qp6x/39s//AI/QBt1ieLf+QLb/APYT0/8A9LIaP7e1H/oU9Y/7+2f/AMfrH8T61fyaTAr+GNVhA1Gxbc8tqQSLqIheJyckjA7ZIyQMkAC+J7TUdL8Y6d4q03T5tSiitnsr22tsGbyydysgJG7DDp/kU9Tub7x5c6fp1pomo2Gmw3cdze3WpQeRkIdwjRD8zEnGT0GK6P8At7Uf+hT1j/v7Z/8Ax+j+3tR/6FPWP+/tn/8AH6Fpby/4f8wev9fIxbvw9b6t8Vpp9W0eK9sV0hFjkurUSRCTzTwCwI3YP1xR4y8PwTQ+GtPsdIjk0+HV42mtobYGJI9r7iygYC5POeOa2v7e1H/oU9Y/7+2f/wAfo/t7Uf8AoU9Y/wC/tn/8foWiS7f53B6tvv8A5WL2naNpejiQaTptnYiTG8W0Cx78dM7QM9au1if29qP/AEKesf8Af2z/APj9H9vaj/0Kesf9/bP/AOP0AbdFYn9vaj/0Kesf9/bP/wCP0f29qP8A0Kesf9/bP/4/QBt0Vif29qP/AEKesf8Af2z/APj9H9vaj/0Kesf9/bP/AOP0AbdFYn9vaj/0Kesf9/bP/wCP0f29qP8A0Kesf9/bP/4/QBt0Vif29qP/AEKesf8Af2z/APj9H9vaj/0Kesf9/bP/AOP0AbdFYn9vaj/0Kesf9/bP/wCP0f29qP8A0Kesf9/bP/4/QAeLf+QLb/8AYT0//wBLIaqeP9KuNS8LPNpyM+oadKl9aKi5ZpIznaAOpIyMe9UvE+tX8mkwK/hjVYQNRsW3PLakEi6iIXicnJIwO2SMkDJGx/b2o/8AQp6x/wB/bP8A+P0DRi+HdGu9T8Ja3dahDJY6j4hMzOkylXgQqY4lIPIwoB/E1z2kaNYvo9npOteHvFEl/GqQz2/2m4NqxXHzBzIItnGcZ9gK7v8At7Uf+hT1j/v7Z/8Ax+j+3tR/6FPWP+/tn/8AH6NndeX4bC3Vn/VyhaWdynxX1G7NvKLV9JhjWYodjMJHJUN0JAI4rD+Iov8ARNattW0SLfcatbvo7hTg+Y/ML/gd3NdX/b2o/wDQp6x/39s//j9Zmom41TVtNv7rwvr27TZGlhhWey8tnZdu5h52SQCccjrSstE/6ve/5htdr+rbfkdDo2lwaLotnptqMRWsKxL74HX8etWpgTBIAMkqcD8K5bULzXL2dZLbTvE2nqFwY7ZtMKsfU+Y7HP4446VHZz69bXSSzWniq8Rc5gnOlBG47lGVvfginL3r36gvdtYpeBfBejnwLpv9teGrH7f5bed9rsE83O9sbty5zjHWsmLR9RX4IaZYf2ddC7ju4ma28hvMUC63ElcZAxz9K7j+3tR/6FPWP+/tn/8AH6P7e1H/AKFPWP8Av7Z//H6d9b+af3CtpY4jVbrWl+IXiH+wPtiq0NvFO9jZxXIGEJyd8qbZBk4AB4wSOlWLeC1u9J8Fx+G4L2a003VfLnE0JEsBVHD+aMfKdx57c1bu9KuptWutQ0/SvFmlS3mDcpZXliElYDG4q8rYbAAyMdK1dGll0HTVsdP8I60IwzOzSXFo7yOxyzsxuMkknOaUdEvl+H6Dlr/Xl+YSWdyfi5BeC3l+yjRXiM+w7A/nKdu7pnHOKv3f/I/aV/2DL3/0ba0f29qP/Qp6x/39s/8A4/WPc61fnxtpkh8MaqGXTrxREZbXcwMltlh+/wAYGADkg/MMA84OiX9b3Drcp/EC01fT9XtNf8N2c93dTW0umzRwRliA4JjkOOgVxyfepPE3hGWL4f6VpukQS3H9kTwTtBBKY5J1TIfawIIY7iw5610H9vaj/wBCnrH/AH9s/wD4/R/b2o/9CnrH/f2z/wDj9Lpb+u/53H1v/X9WMLw9Y6RceILa6tdI8Ria2R2W41WScJAWGCAsr8kjj5QR71e+H9nc2Wj6il5by27vqt1IqyoVLKZCQwz2I6Gr/wDb2o/9CnrH/f2z/wDj9H9vaj/0Kesf9/bP/wCP1X9fjcmxw76XcD4hP4QEOdJmvl11iD8ojAOY8ehmAOPSvU65G1NxaeIb7WR4X16W6vY44mEk9kViRM4VAJuASSTknmop5PEE1xJJHD4sgV2JEUZ0kqg9BuJOB7kn3pLSKX9f1aw3u3/X9XuWPiVYz6j4FurW0tZLqR5oP3UUZcsBKpPA6jGazPHvgvSF8FXp0Lw3ZC/DRGI2dgnmj96udu1c9M5x2zWrp1/rVl5n2nSfEmo78bftT6auzHp5cidffPSr39vaj/0Kesf9/bP/AOP0LT77/l/kHUztVtbhviVoF4sEhtoLG6WWfYdkZOzAZugzg9fSvPdLmvJPCcS6yurL4aS5a5mW00+N49olL4EolLmIEZzszgdcV6i+t38sbRyeEdXZGBVgZbPkH/tvXJL4YdbH+zv7L8YnSc4/s37fZeVs/wCeefN37PbdQtP687hp/XpY3dNiln+KF7qcUUjWNxo8Aiudh8tzvY4DdCcEHHvT/BNnc2l14lN1bywibWppYjIhXzEKphlz1HB5FXY9avoo1ji8I6uiIAqqstmAAOg/19O/t7Uf+hT1j/v7Z/8Ax+notvP8XcWr38vysM0cE6n4qAGSdRXA/wC3O3rmfAGvyaX4Y0nQ77QNeiuU/dPI2mSCJSznksRwOeTWjoutX6at4hZfDGqyF9RRmVZbXMZ+y242nM4GcAHjIwRznIGx/b2o/wDQp6x/39s//j9IZyGjajqfhTwvN4ZuPDOrXt9C0yQS20G+3uA7sVYy5wv3uc4I/SrUnhq+0T4caCqRPdanoMsVz5cCmRn+bEiKB1+V2A9cCul/t7Uf+hT1j/v7Z/8Ax+j+3tR/6FPWP+/tn/8AH6Nfnp+APV/f+O5xN7pur6dpFjqVhYXTajq1vdW92qQFmhe4bzEZxyQEPBz0r0fTbCLS9KtbC2GIraFYkHsox/Ss7+3tR/6FPWP+/tn/APH6P7e1H/oU9Y/7+2f/AMfo6WX9f1dh5m3RWJ/b2o/9CnrH/f2z/wDj9H9vaj/0Kesf9/bP/wCP0AbdFYn9vaj/ANCnrH/f2z/+P0f29qP/AEKesf8Af2z/APj9AG3RWJ/b2o/9CnrH/f2z/wDj9H9vaj/0Kesf9/bP/wCP0AbdFYn9vaj/ANCnrH/f2z/+P0f29qP/AEKesf8Af2z/APj9AG3RWJ/b2o/9CnrH/f2z/wDj9H9vaj/0Kesf9/bP/wCP0AbdFYn9vaj/ANCnrH/f2z/+P0f29qP/AEKesf8Af2z/APj9AHNT6Le618H/AA5/ZKo+oWNtY3tsjnAd40U7c9sjIqe/8X6pqukzafpPhTWotUuYjEPtlsIoISRgsZSdpAznjJPoKm8I61fxeCdDjj8MarOqadbqssctqFcCNfmG6cHB68gH2FbH9vaj/wBCnrH/AH9s/wD4/SsrNPYd9U+pzWt+FPs/h/wbogszqNvZahAtyPJ8xCgRgzMMEBcnvxzW1r/h+xsfBGu2+gaRb28tzZSr5VlbKjStsIAwo5PPH1q3/b2o/wDQp6x/39s//j9H9vaj/wBCnrH/AH9s/wD4/Tl7ya7ij7rT7EHhfwxpGm6TplzFollaaglrHvlW0RJVYoA2TjOeua6KsT+3tR/6FPWP+/tn/wDH6P7e1H/oU9Y/7+2f/wAfpyd3cUVZWNuisT+3tR/6FPWP+/tn/wDH6P7e1H/oU9Y/7+2f/wAfpDNuisT+3tR/6FPWP+/tn/8AH6P7e1H/AKFPWP8Av7Z//H6ANuisT+3tR/6FPWP+/tn/APH6P7e1H/oU9Y/7+2f/AMfoAs63/qtN/wCw1pn/AKXQ163Xh+oave3EmlxTeHdTtEbWdOzNNJbFVxewnnZMx56cDv2HNe1efJ/z6y/mn/xVAHlUmr2OmJplvfT+VJfMsNuCjEO+3O3IGAcDvjNTarqtloumyX+pzeRbRYDPtLckgAAAEkkkdBWD4002bUvAMpsuL2zjjvLVgORJFhxj64I/Gsu/1OPxnfeEbO2+a2uQNWuwOipGPlU/WQgf8BoWunn+H9Jg9Nf6/rVHfA5FFea3ni3UdT1vVo7TVb/S4LC4a1gSz0Z7sSOmNzSPsYYzkbVIOO9T6h4k8TXHh3wrJa7NK1PVL37NcrcWx2gbXydjfMPuhgOOwJxQtUn6fiD0dn5/geh0Vxt5d634Y1LQDqmsPqVjdXD2d3I1tHFh35hbCjjBG0845HGav6Dql9q/irXW83/iVWMiWdvGEGGlUZlbOM8EhcZxxRvt/X9XX3ht/X9eZ0dU7XVbK91C9srabfcWLKtwmxhsLLuXkjByPTNXK4/wt/yUDxn/ANd7X/0TQt/l/kB2FFcde3uua/4w1DRtE1RdHtdKjiM8626zSTSSAsFAf5QoHfGc1mHxH4jHhjxLa/aY5NZ8PTKTcxQgC5iwH5Q5AYpuBx07Ur9f6sO2tj0SiuI1TxXeL4q0VtPlH9jskLXo2qd32glYTuPTDDPB5zWvoGo3uqa9rssk2dOtrlbS1i2rwyL+8bIGT8xxyf4aq36/gTf9PxOgooopDCiiigDmrPUbXSbjxbf6hIYra31BXlcIzbVFnbZOFBP6V0MM8VxbR3ELh4ZEDo46FSMg/lWHpMEd1qHiu3nUPFLqCo6nuDZW4IrjbTWrzTfhfqWhKzPq1hdHRbcfxMXO2Jh/wBs/8Bpa6pb9Py/yH2v/AF/Wp6PpeqWetabFf6ZN51rLnZJsZd2CQeCAeoNW6891jVZfDl5pHhHSbq4sIbewWWa6tbBruUqp2KqoFYDJBJYg9vWmw+J9dj8HeKJZZbl5NNgMljqVxp5tmmBQnmN1AJUjGQMHjim2km1shK7snuz0SiuDm/4TG18E3OttrqXV79nju0tIbONY0A+Z0BILMCuRk856Y6VoSeI59W8S+HrTQpytrdWzajeNsViYMAIpyDjLHtz8pp2s7f1/Wj+4V9L/ANf1qjrKpz6rZW2q2mmzzbbu8V2gj2Md4QAtyBgYyOpq5XH67/yVTwp/1wvf/QFpLdL+th9DsKK5nxZq2pQahpGiaHNHa3urSSD7XLHvEEca7mYL0LcgAHiqNjf67ovjS28P61qq6rDqVrJLbXRtkikidMblIX5SMHIOOtAbf18jtKK84k8TeIZfAMcNrcD/AISRb6Wxkl8pDloizsduNoyien8VbkHiC51nxFoMWlzeXaTWDaheAKrbkYBY1yRx8xJ4x900LXb+tL/kD03/AK1t+Z1dYXg6RIvh7oMkrKiJpduzMxwABEuSTW7XmOssX+EPg6xkLC01BtNtbsqdv7pkUsCewOAPxo7IZ0jfEzwgsxjOsoQH2GZYZDFn/roF2fjmupVldAyMGVhkEHIIrk/Fevah4Q0uSaw8N295pFpbgyMLxYdgzjYI9hyMY/Oo9V1fVdU8RWHh/wAP3aaV5th9vuLswrK6JuCqiK3y5JzkntRvov63/wAhev8AX9XOxoriNP8AEep6JquuaT4jul1M6bYDUYbtIRE8sXO5WVflBBGAR1rOnvvGdt4N/wCEwfXLZsW4vW0n7GvkiIjOzzPv5285z1496L6X6f1/kw62/r+tUekVm2euW17r+o6REkouNOWJpWYDYwkBK7TnPbnIFc7qOt6rruv6bo/h2/XSluNO/tKe6aBZXCFgERVbjJOckg1W8Fw6hB8Q/FcWr3UV3cpFZjz4ovL8xdj4JXJAOOuOPSnZ318/w0FdWuvL8bfod7RRRSGFFFFABWJ4t/5Atv8A9hPT/wD0shrbrE8W/wDIFt/+wnp//pZDQBoanqtho1i95qt3DaW6dZJXCjPp7n2rI0vx94a1jUIrGx1LNzMMxRywSReZ/u71Ab8KytUij1L4xaVZaggktrPTJLy2R/umcyBN2O5C/l1qzdeKtTsvFmnaXqvh6KK1vrp4ba8W+EhO1SQ2zZxkD14zQunn/nYHpfy/4c66iuHhufEfizVdWbSNcTRLHTrtrKJUs0neZ0A3M5foMnAAxVWPxzqs3gmCRYrYa5Nqn9j7iD5KzbyDJjrjaM49aFr/AF3/AOHQPT+v67M9CorhpLzxF4U8QaNDq+trrVjqtx9kffaJC8MhUlWXZwQcYIPSlt7vxL4m1jV59I1qHS7LTbxrOG3azWX7Q6AbjIxOQCSR8uDil00/r+roP6/r7mdNoGuW3iPRotSskljhkZ1CzABsq5U9CR1U960q474U7/8AhXFh5u3f5txu29M+e+cV2NU1Zh1YUUUUgCiiigAooooAKKKKAMTxb/yBbf8A7Cen/wDpZDW3WJ4t/wCQLb/9hPT/AP0shrboAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACsTxb/AMgW3/7Cen/+lkNbdYni3/kC2/8A2E9P/wDSyGgC9q2sadoVg17q95FaW6nBeRsZPoB1J9hzWdo/jbw9r18bPTNRV7oLuEEsTwuw9QrgE/hWPqca33xm0i3vVDwWmly3VsrcjzjIFJx6haX4mxKmlaVfQgC/ttVtvs0g4YFnAKj1BGcihdL9X+tgel/L/K5r6z410HQNRFhql5JFdGMSiOO1ll+QkgHKKR1BpLjxtoFrolvq1xeSJZXUvkwubWXc788bNu7+E9q5zVL/AFHT/jBM+k6PJq0jaLGGijuI4tg85ucuQD6YpfG99qD6f4VvJNIkjvv7ZiYaeZ4yxYK+F3g7efXPektUn3f62B7tdl+lzqtE8UaT4iaZdInllMABk8y2lixnOPvqM9D0rXrK0TUdU1BZjq+hy6QUI8sSXMc3mZzn7hOMcdfWtWqYgooopDCiiigAooooAKKKKACiiigDE8W/8gW3/wCwnp//AKWQ1ej1exl1qbSUnzfQRLM8JRhhGOAwJGCMjHB4qj4t/wCQLb/9hPT/AP0shrH8YMdF8U+HvEafLEJjp14fWKX7pPsHAP40dUv68vxDo3/X9WOnudVsrTU7PT55tt1e7/IjCMd+wZY5AwAB3OKuVw0d6svjPxH4jnRntNAsjZw4/icDzZse/CrWFB4w8Qvp1tq0F7qF5dSskjaSmhSC3MbEZRJdm7IByGLEHHSha2/rfb8Aen9ff/kerUVw+pXXiTUviJc6JpGtJpllFp8Vyz/ZUlkVi7D5d3HOBnOenGM5q3a69daT4s1jTdfu/Nto7NdQtJWjVcRKMSrwB0YZ5ycGi6tf1/D/AIYOtl/V/wDhzraRmCqWbgAZNYfgy61PUPCtrf625a5vN04QoF8qNiSicAdFxyea2Z/+PeT/AHD/ACpSvFMI2ZBpeqWes6XDqOmzedazgtHJtK7gCR0IB6g1R/4SzRP7Bg1r7b/xL55BFHN5T/MxbYBtxkfNx0rifAOu+IbXwFpkNj4RuL63SNglwt/AgkG9udrNkfjUei6te6N8DdKu9Ol8if7Ske7arYVrrawwQR0JFXb3mvNfixX92/8AWx6nWbquuW2kXWm29ykrPqNyLaIxgEK20tlskcYU9M1zOt6xqNz4o1TTYvEUPh2HTrOOeN2hjdpy4bLnzMjYu3GBg5PXpXO3V1reqeF/At7JfiXVLzU1kWa7gUKmY3GdqBcjHIHXnk1K1+9fi7Del/n+Vz1qsS7/AOR+0r/sGXv/AKNtaytEvdc07x1L4f1rVF1aKaw+2wzm2WF4yHCFMLwRzkHrWrd/8j9pX/YMvf8A0ba0dLh1sXtL1ex1q2kuNNn86OOV4XOxlKupwykMAQQaW21WyvNSvLC2m8y5sdn2hAjYj3jKjOME45wDx3rlLG5Twz8Rtas7hxHY6lbf2pETwFdBtm/EgK1Y9rrN54e8Af24Iymp+JdS8xWeFpfJEpOw7F5bbGoIUdTSWyf9Xvb87/cD3t/VrX/Kx6fRXBeH9d1c+KrSya81LV7C5ifzprzR2tDbOoyCG2KpVuRg5IOOaXwpN4o8QzXt7deIFgs7bULm2jt4rOMtIisQCzEcEcYwO3Oc0/6/QDvKK88/4S7V1+H80TSg+Jo77+yd3lrzcF8BwuMY2Hf0xxXoESskKLI5kdVAZyANx9eKPMPIrarqtlounve6nN5FujKrPsZsFmCjgAnqRRquq2WiabLf6nN5FrEVDybC2MsFHABPUiua+KpK/Dy8KrvYTW5Cg4yfOTisD4ga54gu/BF7BqHhKfT7dmi33L30EgT96hHyq2Tk4HHrQtfvt+Q+p6HLrFjDrFvpUk+29uY2lhi2N8yr1OcYHXuau1zV/qt7b/EHQ9Mim22d1aXEk0WxTuZNm05xkYyehrjb/wATa9c+H/7Zt/FKWVzJqP2RdIhtoWZR53l7BvBbzMfMSePbHNC1t5/52J/r8LnosWuW0viafQ1SUXMFslyzkDYVZioAOc5yD2rSrzm4stZufixd22laulkw0aAT3b26yyNiRsbVOEBJznIx6Cug8EatqOpWGoW2szR3N3pl/JZPcpGEE4UAhyo4BIboOKFqvv8AzsN7/d+Vy3oP/Ia8Tf8AYTT/ANI7aq2pfEHwvpN9LZ3uqoJ4eJViiklER9GKKQp+pFQfaJ7S18cXFoCZ4blnjx/eFhbkfrUnw6srW0+Heji1VcT2yzStjmSRxliT3OSaFrfy/W/+QbWNk61pw0N9YW7jk09IjMbiI712AZJG3OenQVl6X498O6zfw2enXc8s0/8AqwbKdAeM/eZABwPWuPt41tfC/wASLG1AWxt5p/IRT8qFocuo9Bnt2ro/B2r63cabpVrd+GZrSz+yRgXrXkLqQIxg7Ad3PH0zQtfuT+8Hp+P4WJpviR4Wgu57aS/mMsErRSBLGdwrqcEZCEHmuoVgyhh0IyOMV5p4P1fW7Jtbh03wzNqVudbuiblLyGMAl+RtYg8V6ZQvhTB/E16hRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAGD4Pljg+HehTTyLHHHpVuzu5wFAiXJJ7CqsPxJ8Iz3iW0esxhnfYkjxSLEzegkKhD+dcxrZMnwf8AB9nISLW+bTbe6IOP3RVSQfYkAV3PiDT7G48J39ldQxfY/sjqUIAVAFOMemMcemKlu0XLt/w40rtR7j9c8RaX4ctIrnWLhoIppBFGVieQsxBOMICegNVLLxroOo2N7d2t3KYLCPzbh5LSaPYuCc4ZQT0PAzXCXV7fn4e/D67Nu97eC+tisW8K0pCPtG5uASMcmun1zUdU1D4f+Izq+hy6QUsJfLElzHN5mUbP3CcY46+tVL3VLyv+go+84rvb8zQ0vx74d1m/hs9Ou55Zp/8AVg2U6A8Z+8yADgetdFXIeDtX1u403SrW78MzWln9kjAvWvIXUgRjB2A7uePpmuvqpKzsTF3VwoooqSgooooAKKKKAM3W/wDVab/2GtM/9Loa9bryTW/9Vpv/AGGtM/8AS6GvW6APMLUA2MIIyDGuR+Fc34R8DxeFL7ULhLxrpblttvG0e0WsO9nEY5ORlzzx9Kux6LfyxrJH4n1WBXAZYo4rUqgP8I3QE4HTkk+5p39g6j/0Nmsf9+rP/wCMUdbh0sUpPCuo2esX174c1wadHqEnnXFtNZidPNwAXT5lKkgDOcjNWb/w1JfnQ2n1KSWTSboXLSyxKWuCFZcHbtC/e7Dt0qT+wdR/6GzWP+/Vn/8AGKP7B1H/AKGzWP8Av1Z//GKFpb+tgepS+JH2UfD3VmvWKhIg8LL94TBgY8e+/bUnh+Oz8HeDbGPW7+C1dhvuJ7qZYw88hLvycAnJb8BVn+wdR/6GzWP+/Vn/APGKP7B1H/obNY/79Wf/AMYoWl/6/r/hg3sH/Ca+Fv8AoZdH/wDA+L/4qsqbwlrcXiPU9V0PxLDYpqTRvJC+nCbBRAo+YuP5d61f7B1H/obNY/79Wf8A8Yo/sHUf+hs1j/v1Z/8AxigDOuvCOqDUxqukeIjYalNbxw30hs1liuig4fyyw2Hk9D04+uh4d8MQ6FY3aTXMmoXV/KZry6nABmYjHQcBccADpS/2DqP/AENmsf8Afqz/APjFH9g6j/0Nmsf9+rP/AOMUAZGn/D8WPhfUtIbU2lku9ogufIANusYHkjGfm2EZzkZ9q6DQNI/sPRYbEzCeRSzyzBNnmuzFmbGTjJJ4zVb+wdR/6GzWP+/Vn/8AGKP7B1H/AKGzWP8Av1Z//GKANuisT+wdR/6GzWP+/Vn/APGKP7B1H/obNY/79Wf/AMYoA26KxP7B1H/obNY/79Wf/wAYo/sHUf8AobNY/wC/Vn/8YoANB/5DXib/ALCaf+kdtVC48DQz/ECLxKLxkjUK8lkI/llmVWVZS2eoVsYx261W0XRb99W8QqvifVYymoorMsVrmQ/Zbc7jmAjOCBxgYA4zknY/sHUf+hs1j/v1Z/8AxijrcOliPXPDc2oataavpOotpup2sbQiUwiWOWJiCUdCRkZGRgjFNufDuoaj4X1TS9V1o3M+oRNF5wtlRIAVx8qA59+WJ9xU39g6j/0Nmsf9+rP/AOMUf2DqP/Q2ax/36s//AIxStpYd9bmnaWq2mmQ2rsJFhhWMsRgMAuM4rg/hdp1rp+k6prZuT9ilnkis5Z2wIrOJ228noMljz2xXU/2DqP8A0Nmsf9+rP/4xR/YOo/8AQ2ax/wB+rP8A+MVV3dv+v6/4JNlZIP8AhNfC3/Qy6P8A+B8X/wAVWfrGjSeKL/Sde8M+Iba3NksyRzxwLdRyB8KcEOBxtI71of2DqP8A0Nmsf9+rP/4xR/YOo/8AQ2ax/wB+rP8A+MUhmdd+EdU1Kytn1DxCTrFjcNNZahb2axiIFdpRoyxDA855Hb8Z9H8KXNtrx1vXtYfV9QWEwQMIFgjgQnJ2oCeTjkk1a/sHUf8AobNY/wC/Vn/8Yo/sHUf+hs1j/v1Z/wDxijrcCvb+EUt/G0+vLd5hlBYWflDCzMqo0m7PdUAxjueaPC3hMeGpr12vPtfnkJDmLYYIVLFI+pzjeeePpVj+wdR/6GzWP+/Vn/8AGKP7B1H/AKGzWP8Av1Z//GKNgNuuV0TRrPxB8KdG03Uoy9vPpVsDg4ZT5akMD2IOCDV/+wdR/wChs1j/AL9Wf/xisfwjot/L4J0OSPxPqsCvp1uyxRxWpVAY1+UboCcDpySfc0bgQ3ngXXtR0x9I1DxnPcaVINjxtYR+e6f3TLnk8ddua1dZ8Jy3d9ZajomqSaVqNnCbZZvKEySQnB2OhxnkZBBH+Fn+wdR/6GzWP+/Vn/8AGKP7B1H/AKGzWP8Av1Z//GKAK2jeEFs5NRutav5NXv8AU4xDczvGIl8oAgRoi/dXk9yayf8AhXupSaWuh3Hiq5k0BcILP7KizNEOkZmBzjt90HHFb/8AYOo/9DZrH/fqz/8AjFH9g6j/ANDZrH/fqz/+MUAVdb8JzXmpWWp6DqjaPf2cJtlcQCaN4Tg7GQkdCAQc0vhvwpNoWsanqV1q82pz6ksQkeaMKQybuRjgD5uAAMY71Z/sHUf+hs1j/v1Z/wDxij+wdR/6GzWP+/Vn/wDGKA8jborE/sHUf+hs1j/v1Z//ABij+wdR/wChs1j/AL9Wf/xigDborE/sHUf+hs1j/v1Z/wDxij+wdR/6GzWP+/Vn/wDGKANusTxb/wAgW3/7Cen/APpZDR/YOo/9DZrH/fqz/wDjFY/ifRb+PSYGfxPqswOo2K7XitQATdRANxADkE5HbIGQRkEA1/EnhiLXza3EV3Np2pWTFrW9t8b48jBUg8Mp7qetZtt4O1WfXdP1LxH4kbU/7NZpLeGKxS3XeV2lmIJJ4PTgVp/2DqP/AENmsf8Afqz/APjFH9g6j/0Nmsf9+rP/AOMULQHqZtz4P1O31W+u/DPiN9Ji1CTzrm3e0S4XzSAC6EkbSQB6jP5VIfAWnjwfFoUNzcxtDMLqO9DAyi4DbvNPYnPb0/Or39g6j/0Nmsf9+rP/AOMUf2DqP/Q2ax/36s//AIxR0sBn2XhDUJdas9S8T6++rtp5LWsKWi28aORguwBO5sdOgHpTJvBmoQ6xf3Oh+I7jS7TUpPOu7ZLZJG8wjDNG7fcJAHY/yxp/2DqP/Q2ax/36s/8A4xR/YOo/9DZrH/fqz/8AjFADvCnh8eF/DkGkrctdCF5GErLtJ3Ozc8npuxnPNbNYn9g6j/0Nmsf9+rP/AOMUf2DqP/Q2ax/36s//AIxRuBt0Vif2DqP/AENmsf8Afqz/APjFH9g6j/0Nmsf9+rP/AOMUAbdFYn9g6j/0Nmsf9+rP/wCMUf2DqP8A0Nmsf9+rP/4xQBt0Vif2DqP/AENmsf8Afqz/APjFH9g6j/0Nmsf9+rP/AOMUAbdFYn9g6j/0Nmsf9+rP/wCMUf2DqP8A0Nmsf9+rP/4xQAeLf+QLb/8AYT0//wBLIa264zxPot/HpMDP4n1WYHUbFdrxWoAJuogG4gByCcjtkDIIyDsf2DqP/Q2ax/36s/8A4xQBt0Vif2DqP/Q2ax/36s//AIxR/YOo/wDQ2ax/36s//jFAG3RWJ/YOo/8AQ2ax/wB+rP8A+MUf2DqP/Q2ax/36s/8A4xQBt0Vif2DqP/Q2ax/36s//AIxR/YOo/wDQ2ax/36s//jFAG3RWJ/YOo/8AQ2ax/wB+rP8A+MUf2DqP/Q2ax/36s/8A4xQBt0Vif2DqP/Q2ax/36s//AIxR/YOo/wDQ2ax/36s//jFAG3RWJ/YOo/8AQ2ax/wB+rP8A+MUf2DqP/Q2ax/36s/8A4xQBt0Vif2DqP/Q2ax/36s//AIxR/YOo/wDQ2ax/36s//jFAG3WJ4t/5Atv/ANhPT/8A0sho/sHUf+hs1j/v1Z//ABisfxPot/HpMDP4n1WYHUbFdrxWoAJuogG4gByCcjtkDIIyCAaniPwsuuz2d9aX02mapYljbXsKhioYYZWU8Mp9D/jVO18H31xq1pf+Kdek1g2L+Za26Wy28KPjG9lBJZh2JPHpWh/YOo/9DZrH/fqz/wDjFH9g6j/0Nmsf9+rP/wCMULTYHqPTQdnjSXX/ALTnzLFbPyPL6Yctu3Z98Yx+NGvaD/bc+kyfafI/s6+S8x5e7zNoI29Rjr15+lM/sHUf+hs1j/v1Z/8Axij+wdR/6GzWP+/Vn/8AGKO3l/ncO/n/AJWNuisT+wdR/wChs1j/AL9Wf/xij+wdR/6GzWP+/Vn/APGKANuisT+wdR/6GzWP+/Vn/wDGKP7B1H/obNY/79Wf/wAYoA26KxP7B1H/AKGzWP8Av1Z//GKP7B1H/obNY/79Wf8A8YoA26KxP7B1H/obNY/79Wf/AMYo/sHUf+hs1j/v1Z//ABigDborE/sHUf8AobNY/wC/Vn/8Yo/sHUf+hs1j/v1Z/wDxigDborE/sHUf+hs1j/v1Z/8Axij+wdR/6GzWP+/Vn/8AGKADxb/yBbf/ALCen/8ApZDVjxHokPiPw7eaVcP5a3MZVZNu7y26qwHsQD+Fc/4n0W/j0mBn8T6rMDqNiu14rUAE3UQDcQA5BOR2yBkEZB2P7B1H/obNY/79Wf8A8Yo3GnZ3Dw/4ai0bwz/ZF1Ob8y+Y11O6bTcNISXJGTjOcdaz9M8K61pNvBp9t4ok/su3IWKM2SGdYx0TzScYxxnZnFaH9g6j/wBDZrH/AH6s/wD4xR/YOo/9DZrH/fqz/wDjFHW4ulh8Og+T4yute+05+0Wcdr5Hl/d2sW3bs853dMVy3xL0qLWtW8N6dFLJFe3lzJA5jOC1oUzOD7YC/nXTf2DqP/Q2ax/36s//AIxR/YOo/wDQ2ax/36s//jFHbyDv5lm917RNFkjttS1XT7B9gKRXFykR29AQGI44x+FR2/ibQNUmFnp+u6bc3EoISKC7jd24ycKDk8c1F/YOo/8AQ2ax/wB+rP8A+MUf2DqP/Q2ax/36s/8A4xRvuG2xL4Y0L/hG/DFnpH2j7T9mQr52zZuyxPTJx19axk8B7fAFr4Z/tLP2edJftPkfe2zeZjbu49OvvWp/YOo/9DZrH/fqz/8AjFH9g6j/ANDZrH/fqz/+MU7u9w6WPPddi0mT4ga4/iHVYdFI8lrdLyxhnE4WMDzEaWM8dtqnOQfw6TRLHUvFmj6JqGsT+TJpuovPDJ9lMZvIlDIjFCR5e4HPfjHHNb39g6j/ANDZrH/fqz/+MUf2DqP/AENmsf8Afqz/APjFJaIHqPbQd3jWPxB9pxssGs/I8vrlw+7dn2xjH40y7/5H7Sv+wZe/+jbWj+wdR/6GzWP+/Vn/APGKx7nRb8eNtMjPifVSzadeMJTFa7lAktsqP3GMHIJyCflGCOcnSwdblzxr4LTxhb2irfNYTWztmZI95eJ1KyR9RgMMc+3StDXfDltrmhppxkktPJeOS2mhxugdCCjDPHGOnpmo/wCwdR/6GzWP+/Vn/wDGKP7B1H/obNY/79Wf/wAYoDrcXS9M1y3vFm1jX1vo0QqsMFksCsT/ABNyxJ+hUe1O8N6D/wAI9Y3Vv9p+0faLya63eXs2+Y27bjJzj170z+wdR/6GzWP+/Vn/APGKP7B1H/obNY/79Wf/AMYoA5i30eC/+Nt7c28jm30+3iuLmL+D7Wysin6+V/Suqn8XeG7W4kgufEGlQzRMUeOS9jVkYdQQWyDTP7B1H/obNY/79Wf/AMYo/sHUf+hs1j/v1Z//ABijokHW5U1iPSvHvh+50zSdcs5cSRPJJayLP5e1wwyFbjO0jrV/xVoP/CTeG7nSftP2bzyh83y9+3a6t0yP7uOtR/2DqP8A0Nmsf9+rP/4xR/YOo/8AQ2ax/wB+rP8A+MUB1uGoaE0/iaw11JiW0+2niFsE5lLhf4s8fd9D1ryXSJ7PSdCS907WoY/EsO9YtKk0mKW4D7iRAT5YlJ5wWzjqa9a/sHUf+hs1j/v1Z/8Axij+wdR/6GzWP+/Vn/8AGKEMbp2iTL4mfxDdShJ7rT4raS0VOI2Ulid2eeWx07VLoGg/2HLqr/afP/tG/e8x5e3y9wUbepz93rx16Uz+wdR/6GzWP+/Vn/8AGKP7B1H/AKGzWP8Av1Z//GKfp/Wtyen9drDdERZNW8UI6hlbUkDKRkEfY7bisi28Eazo8TWXhrxZNYaZuJjtZrJLhoATkqjsQQOeMg4pdF0W/fVvEKr4n1WMpqKKzLFa5kP2W3O45gIzggcYGAOM5J2P7B1H/obNY/79Wf8A8YpDIIvB1pa+C77w/Z3Eo+2xyia7n/eSSSSAhpG6bjz7dK2dNs/7P0m0st/mfZoEi34xu2qBnHbpWb/YOo/9DZrH/fqz/wDjFH9g6j/0Nmsf9+rP/wCMUAP8OaD/AGBBfR/aftH2u+mvM+Xt2eYc7epzj1/StisT+wdR/wChs1j/AL9Wf/xij+wdR/6GzWP+/Vn/APGKANuisT+wdR/6GzWP+/Vn/wDGKP7B1H/obNY/79Wf/wAYoA26KxP7B1H/AKGzWP8Av1Z//GKP7B1H/obNY/79Wf8A8YoA26KxP7B1H/obNY/79Wf/AMYo/sHUf+hs1j/v1Z//ABigDborE/sHUf8AobNY/wC/Vn/8Yo/sHUf+hs1j/v1Z/wDxigDborE/sHUf+hs1j/v1Z/8Axij+wdR/6GzWP+/Vn/8AGKANuisT+wdR/wChs1j/AL9Wf/xij+wdR/6GzWP+/Vn/APGKAM3SdCs/Efwm0bTNRDeTNpdrhozh42EalWU9iCM1BL4L17ULT+zta8Y3F1pjDbLDFZpDNMn91pQScHocAEil8I6Lfy+CdDkj8T6rAr6dbssUcVqVQGNflG6AnA6ckn3NbH9g6j/0Nmsf9+rP/wCMUBcTVvDMWorosdtKtpDpN5HcRxrHuDKilQg5GOvXnp0q9rmm/wBs6BfaZ5vk/bLd4fM27tm5SM4yM9fWqX9g6j/0Nmsf9+rP/wCMUf2DqP8A0Nmsf9+rP/4xQ9U0+oLRproaWm2f9n6TaWW/zPs0CRb8Y3bVAzjt0qzWJ/YOo/8AQ2ax/wB+rP8A+MUf2DqP/Q2ax/36s/8A4xTbbd2JJJWRt0Vif2DqP/Q2ax/36s//AIxR/YOo/wDQ2ax/36s//jFIZt0Vif2DqP8A0Nmsf9+rP/4xR/YOo/8AQ2ax/wB+rP8A+MUAbdFYn9g6j/0Nmsf9+rP/AOMUf2DqP/Q2ax/36s//AIxQBZ1v/Vab/wBhrTP/AEuhr1uvD9Q0i9t5NLlm8Randous6dmGaO2Ctm9hHOyFTx14PbuOK9q8iT/n6l/JP/iaAPF/EOu3Xh7TdJvY0gawa4ihvmkB3Rxv8odSDgYYjOc8Gp/F2uXGiaTA2mpFLf3l1Fa2qSglS7tjJAIOAuT17VNrGkJr3g+50uXGLq08sE/wtt+U/gcGuK8IajN4x13RTebg3hyzb7YjD/l8YmLB9wqM3/AhRHe3n+H9L8Qeiv8A1fp+f4HfX2uaVpUscWqapZWcsgyiXFwkZf6BjzU9xf2dmsZu7uCASnEZlkC7zgnAz14BP0FeZWNtc3nijxXHd6hocFz9sZZY9TsjNIbcqPLwTIvybe2OuadqWiWQ8PeBNJnu4dZsv7UCiVR+7lTbIQAMnKjgdTwKFql52/EHZN+V/wAD0W01zSdQeJLDU7O5aZWeNYbhHLqpwSMHkA8E1YW8tmvGtFuIjcogkaAON6qTgMV64yDzXIeNLGHQrXS/EGmW0duNGuw8yQRhQbeT5JeAPQhvwqfwMo1OfWPE5O4ardFLY/8ATvFlEx9SGb8aFr/X9d/wYPT+v6/po66sHRdcudR8UeINNnSJYdMlhSFkBDMHj3Hdk4PPoBW9XD6BqNlY/EHxiL28t7YvPbbRNKqbv3PbJoW/y/VB0Ot1DVtO0iJZNV1C1sUc7Va5mWMMfQFiKVtUsEsUvXvrZbSQqEnMyiNsnAw2cHJ4FcNHLos/xT1d/Eslk+bO3OlteMpjMJBLmPdwfm6kf41Q0PR4Nf8AD/jbT9F2jR57snTGi4jEoQFjH22+YBjHHpSvpd+v4/mPrb+tVc9LkvbWG7htZrmGO4nDGGFpAHk28naOpx3xSpeW0l3Lax3ET3EKhpIVcF0B6Er1AOOK8uk1Q66bbxgGI/sKOzD8j5S5/wBJB+iMM9Oldh4Mj+1Nq2uvy2qXrmIk/wDLGP8Adx/gdpb/AIFVW7+f9fMm/wCh09FFFIYUUUUActHLfQL4ym0hInvo70PAkykozCytyAQCDz061f03xJa33guHxE7KsDWn2iXB+5hcsv4EEfhSaD/yGvE3/YTT/wBI7avPJ0ktrrUfhyhZBqGqLLb4/hspMyyY9gUZf+BUtXdLr/X63+Q9Fq+n9f16noGi+IGbwdY6x4oms9Oe5jEjFn8qNA3KDLnrtxnnrmtOPVdPl006jFf2z2KqXN0symIKOp3ZxgVwniyKf/hZWjQG50+zthp8n2I6hbmWLzg43BRvUB9u3B9M1Xu9KTTvBfjmVNW0+9e5tmaa30+Hyo4JBGQTt3thmGCenSiTVnJef4MEtVF+R3v/AAkWi+Y8f9sWG+N1R1+1JlWb7oIzwT2Herc95bWskKXNxFC87+XEsjhTI2M7Vz1OAeBXKL4N0y7+G39madZQWklzYJtliQBvMChlYt1Pz4PNZPhbVX8ceJtLvpwQNCsM3KFcYvZMowI9VVG/76q2rSce39fp+KJvePN/X9f5M9HrB1LXLmz8aaJpESRG31CK4eVmB3qY1BG05x35yDW9XF+JbmC0+J3hWa6mjgiEF5l5HCqPkXualbr5/kx9Dr7m5gs7d7i7mjghjG55JXCqo9STwKgsdX03VIHn0zULW8ijOHkt5lkVfqQTiuN8a3ul3ut+F21C5tp9B+2Si6YyBoPOEeYg56Yzng1FbDSm+MFmPCwtTH/Z0o1T7GF8vGR5e7bxuz+OPahXenr+Vwen9edjt21bTl01dRbULUWLAFbozL5RycDD5xyeKmlvLaCaGGe4ijluCVhR3AaQgZIUHrxzxXl0emLfQv8AD2ViI7bUJ5ME/wDLrsMkR+m+RB/wH2rY8KXcnifX9OvbnLHRtMEcvOcXchKyfiBGf++qFr/XS1/+AD0/rzt/wTv64/Tdet/DXwl0XUbpHm2abapHDEMvNI0ahUUepJrsK811S2uG+EPhLULaKSZdJXT7+aKMZZ440G7H0Bz+FJ+Y0baT/EOVBci18PQq2G+xSSTGRR/dMo+Xd9FxXS3Wo2unWIutVubexiGA7zzBUUntuOBXnfj3WdG1Hwnc6/oni64huktwLaGz1QxK7ZzzGCCWwTx149qtam9jJ8Q9C/4StoTZHSGa1+2YERuty787uC23GM/4U+tv66/5C6X/AK6f5neWV/aalbC5066gu4GOBLBIHU/iOKrjXtHOp/2cNVsTfZ2/ZftKebn02Zz+lcFp5QeLPGLeCvK+yDTF/wCPQfuvtoDY27eN2MZx396yrr/hDj8FY/sxsG1JrRPL2FTdG8OD2+ffv6+3tSvpf+uv+X5Dtrb+un+Z6zf6lY6Xb/aNTvLezhzjzLiVY1z6ZJArB0HXLjU/G+v2gu0uNPtobSS18sKVHmIxYhh94HA7n2rAvmtj8QdAXxn9n8oaKTCLvHl/a9y+Z97jdtxj/wDVT/AP9jnx/wCLm8OC3+wsLUqbYfuy2H3FccYznpxVJfr+DsTf3b+n42PQ6KKKQwooooAKxPFv/IFt/wDsJ6f/AOlkNbdYni3/AJAtv/2E9P8A/SyGgBmpa5c2fjTRNIiSI2+oRXDyswO9TGoI2nOO/OQaNW1y5sPGGgaVCkTQakLjzmYHcvloGG05wOTzkGsHxlp7ap8RPC9ql9d2BaG8Pn2bhZFwqnAJBHP0qrcaE+i/E7woZNZ1TU/NW7x9vlV/LxEPu7VXGc8/QUR1tfz/AFB9f66HZ6beXU+o6pFd3OnSRW8yrClrITJEpUHEwPRu4x2pkHivw9c3aWttr2mTXDtsSGO8jZ2b0AByT7V57rbhNM+JeXKbriBMjp80aDB9FOcE9hmr/hua18QeN9Pv7O00jTo9OtJImjtb63nknLbcACInCLjIJweegojrb0X5XB6X9X+Zs+FfFsUun3J8RavaxTnU7m3txPJHEWVJNqqo4zjp612FeVaJ4e0i68C+Lry6022muZLzUN00kYZ/lLbcE8jGM8d+a7vwbK83gfQ5JWLu+nwFmPUnyxRHWPyX4r/gA9H83+DNqiiigAooooAKKKKACiiigAooooAxPFv/ACBbf/sJ6f8A+lkNbdYni3/kC2//AGE9P/8ASyGtugAooooAKKKKACiiigAooooAKKKKACiiigAooooAKxPFv/IFt/8AsJ6f/wClkNbdYni3/kC2/wD2E9P/APSyGgCv4k8R3en6hY6NodnHeavfh2jWZysUMa9ZJCMnGSBgdazn8ReJPD2pWSeLrfTJtPvp1tlu9O8xfIkb7u9XJ+UnjIPFQ+ILuDw/8VdK1nVJBBp93p8lh9plOI4pd4cbm6LkZ5Pp7VH451Sw8QLpfh3SLuG9vbq/hlZLaQP5MUbbmkbGcDA79c0R6eb/AF/y1/4AS6+n6f56F7Vta8SS+OG0Lw8dKjSOwW7Z76KRiSXK4Gxh6DtSa9rXibRdJ0aLOkyarqGoLaO/kyeQoYMQQN+7PA7+tZ2qaQ+sfGCaKPVNQ00posbeZYSKjN++YYJZTxS+N9JePT/CumHU792OsxJ9teRTcDKvzu24yM8cULZeb/8AbrA935L/ANtudVoi+I1ab/hJJdLkGB5P2CKRMdc7t7H26Vr1laJoj6Mswk1jUtT80gg38quUxn7u1VxnP6Vq02IKKKKQwooooAKKKKACiiigAooooAxPFv8AyBbf/sJ6f/6WQ1G+u3Vt4+j0W8SBbO8szNZygEO0iH50PODwQRgDvUni3/kC2/8A2E9P/wDSyGsr4jQSW+k2XiC1UtPod2l02Oph+7KP++Tn8KOqv/X/AA24bp2/r+tjSutcuR45sNCskiaNrWS7vXcEsiAhUC4OASxPXPANX013SJNTOnR6pZNfAkG1W4Qygjr8mc/pXI6H9p1fT/FPinTWL3GorJDppA/5Zwqyxkf7z7j+VczpWkQ6r4B0wHxB4fsrfMUgkFjtuIpwwP3zNnzN3BOOfxoXZ+X4/wCQO26/q3/BPVbzW9K05nXUNTs7VowrOJ7hEKhiQpOTxkg49cGpra/tL1pVs7qC4MLbJRFIG2NjODjocdjXFnSNP1P4z3ralZw3Zg0eExiZA4UmRwTg8ZxVbxPqY8BeKrvVIkxa6xpzKiBflN3CMRj23KcY9qV9L+v4X/y+8OtvT9P8zv7a8tr2Nns7iK4RHMbNE4YKwOCpx3B6ipJGKROw6qpIrI8JaKfD/hWw0523TRx7pn/vSMdzn/vomtWf/j3k/wBw/wAqJ6JhHWxj+DtaufEPg6w1a9SJJ7lGZ1iBCghiOAST29ay9J8T6pq3w+sdbEuk2d3cTBZDds0cAXzShA5J3EDjnqawPAPhKXUPAWmXS+J9etBJGxEFtcRrGnzsMAGMn9az4Rj9n/ShnP8ApsPJ/wCvura95rzX5i+zf+tj1LUda0vSAh1bUrOxEmdn2mdY92OuNxGa57XfFK/avDsmg6pbTWd5qf2e5kgdJUZPLZiu7nHQHjBrmdd1qz074ia+t1p9hqLTWlvbot/eQQbDtJ2gSsN0Z3AkrznjBov9At4/DPgHR9QNtqEP9oospiO6KX925wD/ABL29wKmOtn5r8xy0v6P8j0mw1XTtVSRtLv7W9WNtrm3mWQKfQ7ScGs+7/5H7Sv+wZe/+jbWsO1sLTS/jIsWm20NpHPobPKkCBFdlmUAkDjIBxW5d/8AI/aV/wBgy9/9G2tHRP8Arewdbf1tcj8L67darNq1lqiQR3+m3jQusIIVoyA0b4JJ5U/mDSaH4gm1XUtdaQQR6Zp1z9mhl5DMyLmUsScYBOBwOhrm/F2pf8IR40/4SAqfsup6fJbSAdDcRgtF+LDK1T8R6RcaB8KNJspZY1U30EmqyzIXTDuWcuAQSu9lyM9BSW33L53t+l/mhve3z+Vr/np8j0PT9a0vV/M/srUrO+8v7/2adZNv12k4qM+IdFWZYjq9gJHLhUNymWKZ34Ge2Dn0wa5TS9HH/CaaZfza7obTxW8iR2+m2nkvcRFRwf3rZVTgjjik+G+i6a1rq2oPY273j6xd5neMM/EhAwT04z09TT6/L9bCv/XyO0Go2R03+0BeW5stnmfafNXy9n97dnGPep0dJY1kjZXRgGVlOQQe4NeSsrp5vw13MPM1UGPI/wCYef35574IKfjivW1UKoVRgAYAHajdX/r+v+CHW39f1/wDC8Z65c+HfC82pWSRSTRyxIFmBK4aRVPQg9D60vjTW7nw54Su9UsUikngMYVZgSp3SKpyAQejHvWX8VV3/Dy8UMV3TW43L1H75ORWB8QPCkum+CL26bxNrt6I2i/cXVxG0b5lQcgID3z16ihfr/kPqd5PeXaeIrK1S405LWaGRpIZHIuXYYwY16FRnn8KLzxPoOnXTW2oa3ptrOv3op7uNGH1BOawtW/5Kv4a/wCvC7/9krz/AEy6tda0C30KK30qK5l1I3J1O5vrdZlHnl9xjyZBKR8uMY5644oWtl/W9iejfp+Vz0RfFAg8eX1ve6nbxaPHpcFzG8josYZ3Ybt565AHfFdRbXUF5bJcWc8dxBINySxOGVh6gjg1xB0fTtS+M942oWUF19n0eExCaMMEJkcEgHjOO9Wfh1FHar4ktLZFit7fW50hiQYWNdqHAHYZJ4ojqvv/ADsN6P7vyuaujSpBqnimWZgkceoqzMegAs7ck1jWOveMfEtn/avh2z0iz02TJtV1IytNOoPDnZgID2HNXVs5NQg8bWUJIkuLoxIQcYLWNuB/OqXgXxXosXgawt77UbWxutOt1t7u3uZVieF0G07lYgjpSW78v+D/AF8x9izB40muvBOs6mLNbXVNIWZLi0lJdUljXPUYJU8EHipfD1x4xvxY3uqTaH9guIlldLeCYSgMuQAWcjOSK5i1zfeB/HmvRo62uqmeS1LgjzIki2h8HnBINdD4O8NyWem6VqDeINYuVNpG32SedGhG6McbQgOBnjnsKpd32X4pkvsu7/CxT0vWfGuvy6jLpj6DDbWt/NaItxBMXIRsZJD46V3S52jfjdjnHTNeaeD/AA3Jqja3dJ4g1iwC63dL5FnOiRnD9cFCcn616ZSXwr0X5DfxP1f5hRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHHWHiCHwz8I9E1GeJ52XTbSOGCP700jRqFQfUn+dRXeq+PdLsH1W907Rbi1hUyzWNs8v2hUHJAc/KzAewz2rI1mKUfB3wnqEcTyx6WunXsyIMkxoi7jjuADn8K6PXfG/h6Lwrc3cGq2l150DLBDBMHkmdhhUVRznJx0471LbUW1v/wAD9SkryS6EXiDxZeLougXnhc2jtrV1FDG94jMqq6FgSFYHPA/Wpp7/AMUaN4b1jUdbfSJpLW1ea2W0hlUblUk79zHI4HTHeuV1XQ7iy8E+A9HuZp7S4XULeOSSBgJImKOTtJBAIJ9K6HXNEfRvh/4jEmsalqfm2EpBv5VcphG+7tVcZz+lVP3VNrz/ACQoauKfl+bLPh648Y34sb3VJtD+wXESyulvBMJQGXIALORnJFdTXIeDvDclnpulag3iDWLlTaRt9knnRoRujHG0IDgZ457CuvqpKzsZwd0mFFFFSWFFFFABRRRQBm63/qtN/wCw1pn/AKXQ163Xkmt/6rTf+w1pn/pdDXrdAHjMfi7w3bRrBc+IdKhmiASSOS9jVkYcEEFsgg9qgtfEvgmyknksta0C3e4fzJmiu4UMrf3mIPJ9zW/af8ecP/XNf5VLQByt/rPw/wBVlSXVNR8NXskYwj3E9vIV+hYnFWJfE/gucwGbXNBkNsweAvdwnymAxleeDg4yK6KigDjfFXiTQ9X8K6hp2l+KNAS5u4TCGuNQj2KrcMeCedpOOOuKenirw/o+h2lloWt+Hp/syJCqXGrpCoRVxncofngcY/GuvooA4n/hP/8Ap88H/wDhS/8A2ipru9+G2oXT3WoXPhW6uJMb5ZpLZ2bAxyx5NdhRQByl1q/w+vbSC1vdQ8M3FvbjbDDLNbukQxjCqTgcDtVyDxd4QtoEhtvEGiQxIMJHHewqqj0ADcVv0UAcxHr/AIEhtJ7WHVvDsdvcFmmhW5gCSlvvFlzg57561PbeLPB1nbR29pr+hwQRrtSKK9hVUHoADgCugooAxP8AhNfC3/Qy6P8A+B8X/wAVR/wmvhb/AKGXR/8AwPi/+KrbooAxP+E18Lf9DLo//gfF/wDFUf8ACa+Fv+hl0f8A8D4v/iq26KAOM0Xxd4bi1bxC8viHSkWbUUeNmvYwHX7LbrkfNyMqwz6gjtV9vEvgl9QS/fWtAa8RPLW5N3CZFX+6GzkDnpVnQf8AkNeJv+wmn/pHbVt0Ac3feJfBOp2xt9S1rQLyAnJiuLqGRc+uCcUyPX/AkOmtp0OreHY7JlKtbLcwCMg9QVzjBrp6KAMFfGXhSKIJD4j0VVRcKovogAB0H3uBXPeFNX0Lw/od59o8SeHZtUvbqa8mEWpIsTSOSQu7qBjAztPfg139FAeRxH/CwP8Ap88H/wDhTf8A2ip5dd8F63awN4mvPCs9xHuwj3sNyseT/CzhTyAM8CuwooA5SHV/h9bafLYW+oeGYrOY7pLaOa3WNzxyVBweg/KpbDxD4G0qEw6Xq/h6yiY5KW1zBGpPrhSK6aigDnF8TeCl1Br5db0EXjp5bXAu4fMZOu0tnOPaktfEvgmxaZrLWtAtjPIZJjDdwp5jnqzYPJ9zXSUUAYn/AAmvhb/oZdH/APA+L/4qsfwj4u8N23gnQ4LnxDpUM0WnW6SRyXsasjCNQQQWyCD2rs6xPBX/ACIPh/8A7Blt/wCiloAzBqHw5W++2Ld+Fxdbt3niW3359d2c5q1feJPBGp232fUta0C8gznyri6hkXPrgnFdJRQHW5ztn4n8F6dbLb6frmg2sC/digu4UUfQA4qsur/D5NSOopqHhlb0ncbkTW4kJ9d2c11dFAHNX/iLwPqtuINU1jw/ewhtwjuLqCRQfXDEjNOt/EvgmzkeS01rQIHdVRmiu4VLKv3QSDyBk4HbNdHUMd5bS3U1tFcRPcQBTLErgvGG+7uHUZxxnrQBlf8ACa+Fv+hl0f8A8D4v/iqP+E18Lf8AQy6P/wCB8X/xVbdFAGJ/wmvhb/oZdH/8D4v/AIqj/hNfC3/Qy6P/AOB8X/xVbdFAGJ/wmvhb/oZdH/8AA+L/AOKrH8T+LvDdxpMCQeIdKlYajYuVS9jJCrdRMx4boACSewBNdnWJ4t/5Atv/ANhPT/8A0shoAhk8U+DJbqK6l13QnuIQwila8hLxhuoU5yM98USeKfBk11Dcza7oUk8G7yZWvIS0e4YO05yMjrjrXQ0UAcH4ov8AwprOg31rpnibQLK6u3SSWQ3UW24KEfLLtYFlIG0+35VlR3mm6nr2k3us654N0+PTJPOU6bfq8srbSNm5gu1Ockc5xivUaKFoD1RzcfiXwTDbS28OtaBHBMWaWJbqELIW+8SM4Oe+etSweLvCFtbxwW3iDRIYY1CJHHewqqKOAAA2AK36KAMT/hNfC3/Qy6P/AOB8X/xVH/Ca+Fv+hl0f/wAD4v8A4qtuigDE/wCE18Lf9DLo/wD4Hxf/ABVH/Ca+Fv8AoZdH/wDA+L/4qtuigDE/4TXwt/0Muj/+B8X/AMVR/wAJr4W/6GXR/wDwPi/+KrVnvLa1khS5uIoXnfy4lkcKZGxnauepwDwKmoAxP+E18Lf9DLo//gfF/wDFUf8ACa+Fv+hl0f8A8D4v/iq26KAMT/hNfC3/AEMuj/8AgfF/8VR/wmvhb/oZdH/8D4v/AIqtuigDjPE/i7w3caTAkHiHSpWGo2LlUvYyQq3UTMeG6AAknsATWx/wmvhb/oZdH/8AA+L/AOKo8W/8gW3/AOwnp/8A6WQ1t0AYn/Ca+Fv+hl0f/wAD4v8A4qj/AITXwt/0Muj/APgfF/8AFVt0UAYn/Ca+Fv8AoZdH/wDA+L/4qj/hNfC3/Qy6P/4Hxf8AxVbdFAGJ/wAJr4W/6GXR/wDwPi/+Ko/4TXwt/wBDLo//AIHxf/FVt0UAYn/Ca+Fv+hl0f/wPi/8AiqP+E18Lf9DLo/8A4Hxf/FVt0UAYn/Ca+Fv+hl0f/wAD4v8A4qj/AITXwt/0Muj/APgfF/8AFVt0UAYn/Ca+Fv8AoZdH/wDA+L/4qj/hNfC3/Qy6P/4Hxf8AxVbdFAGJ/wAJr4W/6GXR/wDwPi/+Ko/4TXwt/wBDLo//AIHxf/FVt0UAYn/Ca+Fv+hl0f/wPi/8Aiqx/E/i7w3caTAkHiHSpWGo2LlUvYyQq3UTMeG6AAknsATXZ1ieLf+QLb/8AYT0//wBLIaAIrnxZ4OvLdoLvX9Dnhfho5byFlb6gnFV9O1zwFpCuNJ1Tw5Yh+XFtcQR7vrtIzXUUUAc8PFPgwXpvBruhC6aPyzP9sh3lM527s5xnnFFx4p8GXTRNda7oUxhkEkRkvIW8tx0Zcng89RXQ0UAYn/Ca+Fv+hl0f/wAD4v8A4qj/AITXwt/0Muj/APgfF/8AFVt0UAYn/Ca+Fv8AoZdH/wDA+L/4qj/hNfC3/Qy6P/4Hxf8AxVbdFAGJ/wAJr4W/6GXR/wDwPi/+Ko/4TXwt/wBDLo//AIHxf/FVt0UAYn/Ca+Fv+hl0f/wPi/8AiqP+E18Lf9DLo/8A4Hxf/FVt0UAYn/Ca+Fv+hl0f/wAD4v8A4qj/AITXwt/0Muj/APgfF/8AFVt0UAYn/Ca+Fv8AoZdH/wDA+L/4qj/hNfC3/Qy6P/4Hxf8AxVbdFAHGeJ/F3hu40mBIPEOlSsNRsXKpexkhVuomY8N0ABJPYAmtWbxf4RuIHhuPEOiSxSKUeN72JlZTwQQW5FP8W/8AIFt/+wnp/wD6WQ1t0Ac/beK/B1lax21nr2h28EYwkUV5CqqPQAHAqourfD5dSOorqHhkXxO43Qmt/Nz6785rq6KOtw8jnl8U+DFvGu113QhcugjacXkO9lByFLZzjJPFYniTVvD2vatoZPibw/8A2fYXf2u4V9Qj8x3VSIwozjGTk5I6Cu8ooA5PUPHenxzqNK1bwzcxbcs1zrqwsG9AFjfI6c5/Co7Tx5aSXSpqOpeFYbY53vD4gErDjspiUHn3FdhRQBz1r4q8G2NqltZa9oVvBGMJFFeQoqj2AOBUI17wGNPSxGq+HRZowZbf7TB5akHcCFzgHPP1rp6KAPMLrUrO18SapqGneIPB+pw6iFONT1ELJBtXGwEBgU6nHHJNaPhe48HaHosNre+IvD11Ol1JdqUuIRHBI5JxEpY7AAcDHv6131Qz3ltayQpc3EULzv5cSyOFMjYztXPU4B4FC00B6mIfFPgw3ovDruhfahH5Qn+2Q7wmc7d2c4zzis258XeG28baZOviHSjCmnXiPIL2ParNJbFQTuwCQrYHfB9K7OsS7/5H7Sv+wZe/+jbWgCteeJfBOoxpHqGtaBdJG4kRZ7uFwrDowBPBHrU8njHwnLG0cviPRXRgVZWvoiCD2I3Vu0UActp+teANJZzpWpeG7EyffNtPBHu+u0jNWLbxT4Mso2Sz13QrdHcyMsV5CoZicljg9SeproaKAODtdW8Pf8J9feIL3xN4fKG0jtLNY9QjLqgJZy+T1LHjBPAqzP4+hW4kFtqHhOSEMQjyeIgjMvYlRCQD7ZP1rs6KPIPM5CDxfoOp28sHiTUfCwhypSOPV47lXIOfmDogGCAR1/DFXrrxV4NvrZre+13QrmB8bopryF1bByMgnHUA10NFAHN3HibwbcSrO3iDQxcpG0cVx9shMkQbrtbOR0H5VwAjtm8Lv4bm8QeB5LV9yNqT3gecgk5kMZ4MvOc7+tex0UDvY5iz8Q+C7Ly3i1/RDOkCW5uGvYTK6L0DNnJ9fqamt/FPgy0Mptdd0KEzSGWUx3kK+Y56s2DyeBya21vLZrxrRbiI3KIJGgDjeqk4DFeuMg81NTvfUlK2hxmi+LvDcWreIXl8Q6Uizaijxs17GA6/Zbdcj5uRlWGfUEdqnu9U+Hd/dC6v77wxc3A5E001u7j8Sc1o6D/yGvE3/YTT/wBI7atukMwJvFvg+4tnt7jxBocsEilHie9hZWU8EEE4I9qWLxh4ShiSKHxFoscaKFREvogFA6ADdwK3qKAOetvFPgyzWRbTXdCgEkhkcRXkK73PVjg8k9zU3/Ca+Fv+hl0f/wAD4v8A4qtuigDE/wCE18Lf9DLo/wD4Hxf/ABVH/Ca+Fv8AoZdH/wDA+L/4qtuigDE/4TXwt/0Muj/+B8X/AMVR/wAJr4W/6GXR/wDwPi/+KrbooAxP+E18Lf8AQy6P/wCB8X/xVH/Ca+Fv+hl0f/wPi/8Aiq26KAMT/hNfC3/Qy6P/AOB8X/xVH/Ca+Fv+hl0f/wAD4v8A4qtuigDE/wCE18Lf9DLo/wD4Hxf/ABVH/Ca+Fv8AoZdH/wDA+L/4qtuigDE/4TXwt/0Muj/+B8X/AMVR/wAJr4W/6GXR/wDwPi/+KrbooA4zwj4u8NW/gjQ7e68QaVFLHp1ukkcl7GrIwjUEEE8EHjFTW+p/Duzvvtlpe+GILr/nvFLbq/8A30DmtLwV/wAiD4f/AOwZbf8Aopa26AOeuPFPgy6aJrrXdCmMMgkiMl5C3luOjLk8HnqKdP4u8IXVvJBc+INEmhkUq8cl7CyuD1BBbBFb9FAGDF4w8JQxJFD4i0WONFCoiX0QCgdABu4FP/4TXwt/0Muj/wDgfF/8VW3RQBif8Jr4W/6GXR//AAPi/wDiqP8AhNfC3/Qy6P8A+B8X/wAVW3RQBif8Jr4W/wChl0f/AMD4v/iqP+E18Lf9DLo//gfF/wDFVt0UAYn/AAmvhb/oZdH/APA+L/4qj/hNfC3/AEMuj/8AgfF/8VW3RQBzGoeKfD9/JpdvY67plzO+s6cVihvI3ZsXsJOADngAn8K9q+2W3/PxF/32K8q1v/Vab/2GtM/9Loa9boA8D8d20kfhOz1y1Tfd6HJFfRgHBZFwJF+hQn8qb4yuo9ftdA0S0bfFrlyksmO9tGBK/wCeFH411awR3WkrbzqHilg2Op7grgiuL8BeF9Y0rVZZNfjXytMgOn6W+9WMkPmMxfg/KSNgwcH5aI7/AI/19y/EHtden9emv4GpdeLr59RvbXw9oi6jFp7eXPNLerbgyAAmOMFTuIBHJwM8ZqG/+IEUOg6JqemaXcagNYn+zx26sEkR8NwQeOGXB5AHJzxWPL4POm+INWln8HWfiO3v7lrqC4LQiSEsBujfzMcbskEZ4Na2oeH7yWPwmtlpdtaJp+oCe5t7V18u3TY4OMhd3LDoO9C1Sv5f8EHo3bz/AOAXIvFN/b6ppFlr2jJpzamZY1ZbwSiORBlVyFAO5ckc9RjFXrDXv7Q8T6ppUNt+601IhJc+Z96RwW2Bcdlwc579KofEO0M/gy5vInWO50tl1C3dugeI7sfiMj8ad4DsZrfwyt7foFvtVle/ucdmkOVX/gK7R+FC1v5f0v1+4Hp8/wCn+n3nS1x/hb/koHjP/rva/wDomuwrhI18R6F4z8Q3ll4Zl1O11GSF4pY72GLGyMKeGbPX27ULf5fqg6Gtq3iq8h119G8PaM2r3sESy3O64WCOBWztBcg5Y46AdOapt4/2+FdR1R9Jmju9JnEN/YySgNDyNzBgCGUKdwIHOKgNv4j0bxNd65p2gjUItYt4Dc2YvI45bSWNcY3MdrDBxkHqPzs+HfDF29pr9z4kihiufEEhM1rE+9YY9mxU3dzjOSOKWqT/AK1vsPS6/rp/mXtS8Ww6f4p0jSBB5qaipLXIkwIcg+XxjncQQORVvTdbOpa9qthFb4h01o4zceZnzJGXcy7ccbQR3PWuOsfC/iCTwvfPqNsP7YtxbR2I85D5otiGRtwOBvYtwT35xXV+EtOudP0Vn1GIxX15cS3dyhYMVd2J25GQcLtXj0qtP6/D9Sdf6/E3KKKKQwooooA5aPS4dbXxlpl0MxXV6Im9s2Vvg/geay9M8Wy2nwjn1C6/5COlxPZSpnJNwh8tfxJ2n8a6LQf+Q14m/wCwmn/pHbVzF14P1RviGwhgVvDl3dRancsXXi4jVhs25yQzBGJxjila7t3/AK/K/wCA72V+39fnYuWF5J4O0bRfDOm2P9o6q1t5sqNOIY0GcySO5Bxl2OAASatL44ZdB126u9MMGoaJGXuLPzwyuNu5SsgHIIHXGR3FVPF3haS88VWWupodrr8KWzWtxYzlAwG7csib/lyCWByRwaSbw/NN4F1+z03wvZ6LcX1u8cNtBJHvlO0gbyuEByePmP1FEm3Fvrr+YJJNLpp/wSR/HGrQeHJ9eu/C8ltp8axSoZLxfNaJiAzFAp2lQd2CeR3FbWoeIktda0bTbSEXcmqF2DrJgRxIu4ydDnqoA4znrVq208S+GotNv4/le0WCZCQeqbWH864j4Y2F7NeXl5qjpN/ZKf2LZyDnekTku/4/IP8AgNW7czS2/r9bfeRryp/1/W/3Ho9cfrv/ACVTwp/1wvf/AEBa7CuP8V2msp4v0HWNH0h9USxjuEljS4jiI3hQOXI9D0qVpJfP8mV0NbxH4jGgx2sVvZyahqF9KYrS0iYKZGAySWPCqByT2qlpXiy8n1xtF1zRW0rUWgNxbqLlZo50BwcOAMEHqCOnNZ2qW/iPVZtK8QQaELXUdIuJR/Z1xdxk3MUiBWKyKSqnPQH0P4zadp2t6342tdf1zTU0iDTraSG2tjcLNJI8mNzMV+UDAwBkmhLW39baA9tP61/yCf4grD4Aj8RrpjPO8phawE3zLIrEOu7b2CsenOK2J/ESDW9H0+zhFz/aUUk5lEmBFEqgh8YOcllHbrWDaeF7+PxvcJNbA6D9ol1CKQyLzNLGEZNv3hyZGz0+apfBGg6pp95NNrkBjaztk06yYyq++FGY+ZweNwKZBwfloWu/9abff+APy/rX/L8Ts688udVvNN+EXheDS5/s15qcNjYRXGM+SZI1BfHqADXodcRB4fbxH8JPD9tbzi2vILGzubScjIjmSNSpPt2PsaTGjK1rQ/hz4amWPxALsX2wTNfubqSZjnG8ypnByPUfSuo1jxO+m3VjpeiafJrGo3UJmji84RqsS4BkeRgcDnjgkmsDX28a+IvDN1oNz4Wghmuk8p75dRTyByPnC43446Y/GtDVNI1nSfEen69ollHqrR6f/Z9zaeeIXKhgyujN8vBzkHH+D167f8P/AMAXp/W3/BL+i+Lvts+o2et2DaRf6bGJriF5RKnlEEh1cfeHBzwMVkt8QtRj0sa7J4VuV8PnD/bPtSecIicCTycZx3+9nHNPsPDeqa3qWuat4it49MfUrD+zoLRJRK0UXOWdhwWJOcDp61nS2XjO78GjwhJoVtFm3Fk+rfbVaExAbS4j+/kr2wOaWvz/AOH/AOB949L+X/Df8E6XW/Fctnf2WnaFpraxqF5CbhIlnWFEhBA3s5BwDnjg5rF8F3txf/EPxXNe2Eun3HlWayW8rBtpCP0YcMPQ9/ap9R0XV9C8RaZrHh3T11aODThps9qZ1ik2AhldWb5eoORnv+U3hPTddj8W69q2v2UNoNQjtvJSGYSAbA4Kk9SRkZOAOeKpW/P89PwJ15dfL9LnYUUUUhhRRRQAVieLf+QLb/8AYT0//wBLIa26xPFv/IFt/wDsJ6f/AOlkNAGPrBGg/EzSdVA22+sxHTbk54Eg+eJvr95fxpJ549R+J0txcOFsvDVgXdj0WaYZJ/CNf/Hq1PG+iTa94VuLexH+nwlbmzOQMTIdy8ngZxj8ap+HvDl1J4Q1GHX4xb6jrbTyXoRg3lmQFQoIODtXA60tUtOl7fP/AId/gPS+vW34f0l95V/4T+7jsYdXutAaHQ5nUC5+1qZljYgLI0OOFORxuJA7Va1bxhqNr4rl0DRvD76pcpapdeZ9qWKMKWYEMSDjoMdc57YzXP6L4UksrO00+++H2k3F3b7Y31IvD5MgH/LToZMkc429e4rqLbSb2P4l32qtDiyl02KBJdy8ursSMZz0I5xiq0uvn+RN3Z/11LGleIze67qmlXtqtlcaescgBm3iWN1zvHAxggg9enWpfDGunxJoUeqC1NtFM7+SpfcXjDEK/QYzjOP1rkfiZZ30WpaZeaI6peaor6LICcEpKMh/+AEMfxrvbCyh03TreytUCQW8SxRqOwAwKS1V/wCv6tb7xve39f1e/wBxJP8A8e8n+4f5V5p4B8f+FtJ8BaZY6jrNvBdQxsJImDZU72PYe9emSqWhdV5JUgVgeBNLvNG8C6bp2pQ+TdQRsske4NtJdj1BI6EVL2l8v1Dt/XY43Rriwg+BukTalYf2hALpNsPnNF8xuSFbcOeCc474rr9U8T6hHrF3pnh/RP7UuLGFZbkyXa26rvBKopIbcxAJ6ADjmudj8K6yvwh0/RDZ/wDExhuo5Hh81OFFzvJ3Zx93nrVTU7HWNZ8feIX0M3DxRpDbTva6gtpnCZMZDRPub5idwIwGxn0uWrdu7/JD66/1q/0F1vxNc6vpHg3XW0pt82rBorO1mErOPLcAZIUA5znsMda6zQ/FN5feIJ9F1vRm0m+SAXMSi5WdJYt20ncAMEHgj9a5+xg/t7S/Cx0LSns7fRNVMV1bvMrfZxGro2Gz84yRyMk5roZNKvW+J8OriH/QV0l7Yy714kMoYLjOegznGKel/Jt/+kqzJ6edl+ep0lFFFSMKKKKAMTxb/wAgW3/7Cen/APpZDW3WJ4t/5Atv/wBhPT//AEshrboAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACsTxb/yBbf/ALCen/8ApZDW3WJ4t/5Atv8A9hPT/wD0shoAw/Ewk8Q+PNP8KyXE0Omiye+vY4ZCjXA3bFjLDBC5ySB1rP8AEXh+w8Bf2frvhWNtP23sMF3bRyMYrmJ22kFScbhnINbfibRtWTxFp/iXw5FDdXdpE9vPZTSeWLiFjnCv/CwIzzx/Wpc2fiPxhf2EWsaQmiaVZ3KXUyPdLNLcsnKKNnCrnk5OTxRHp66/f/kEuvp+n+ZheLv+EU/4Wu3/AAm32f7L/ZEfk+fuxv8ANbpj2zR4wTwonhHwv9jFuPDbaujPt3eWUxJv9+ua7CLSr1fidcas0OLF9KS3WXevMglLFcZz074xR4t0q91O78PvYw+atnqsVxOd6rsjCsC3J56jgc0LaK8//buoPeT8v/behX8EJ4L/ANMk8Di1/gW5MG73253fjXWUUU2IKKKKQwooooAKKKKACiiigAooooAxPFv/ACBbf/sJ6f8A+lkNY+sEaD8TNJ1UDbb6zEdNuTngSD54m+v3l/Gtjxb/AMgW3/7Cen/+lkNReN9Em17wrcW9iP8AT4StzZnIGJkO5eTwM4x+NLZp/wBef4D3TX9eX4mXPPHqPxOluLhwtl4asC7seizTDJP4Rr/49Tf+E/u47GHV7rQGh0OZ1AuftamZY2ICyNDjhTkcbiQO1WvD3hy6k8IajDr8Yt9R1tp5L0IwbyzICoUEHB2rgda5/RfCkllZ2mn33w+0m4u7fbG+pF4fJkA/5adDJkjnG3r3FNaOz8v+CJvS6/rt/mdBq3jDUbXxXLoGjeH31S5S1S68z7UsUYUswIYkHHQY65z2xmtDSvEZvdd1TSr21WyuNPWOQAzbxLG653jgYwQQevTrVe20m9j+Jd9qrQ4spdNigSXcvLq7EjGc9COcYrnviZZ30WpaZeaI6peaor6LICcEpKMh/wDgBDH8aWtl3d/zdv0Dq/L/AIF/1Ou8Ma6fEmhR6oLU20Uzv5Kl9xeMMQr9BjOM4/WtOf8A495P9w/yqOwsodN063srVAkFvEsUajsAMCpZVLQuq8kqQKKmzSCO6bPM/APj/wALaT4C0yx1HWbeC6hjYSRMGyp3sew96i0a4sIPgbpE2pWH9oQC6TbD5zRfMbkhW3DngnOO+K7LwJpd5o3gXTdO1KHybqCNlkj3BtpLseoJHQiuaj8K6yvwh0/RDZ/8TGG6jkeHzU4UXO8ndnH3eetaP436r8xfZ+T/ACOi1TxPqEesXemeH9E/tS4sYVluTJdrbqu8EqikhtzEAnoAOOa5PW/E1zq+keDddbSm3zasGis7WYSs48twBkhQDnOewx1pNTsdY1nx94hfQzcPFGkNtO9rqC2mcJkxkNE+5vmJ3AjAbGfS7Ywf29pfhY6FpT2dvomqmK6t3mVvs4jV0bDZ+cZI5GSc1Edbeq/P/hhy0v8AP8tvzOg0PxTeX3iCfRdb0ZtJvkgFzEouVnSWLdtJ3ADBB4I/WrV3/wAj9pX/AGDL3/0ba1Wk0q9b4nw6uIf9BXSXtjLvXiQyhguM56DOcYqzd/8AI/aV/wBgy9/9G2tHRf11YdX/AF0Mfwky6H4s1/w2w2QiQalZ5PHlS/fA9lcH86z9B1uKw0rWPGFzFJcSa1qHk2UMeN0yIfKhQZ4GSGOemDmrfxA8P61e3VlqnhWMPfiKWxnzIqYglU/PkkZ2tggdeas+KPBovvBdhpWlwW8raXLDNBb3AxFN5fBRuD95S34mktF9y+V/8rfiN7/j/Xq7/gWdO8VXj69baTrukLp815Gz2skN2twjlRlkJCqVYA56EHnmqujeM9W169uE0/wy32S2uprWW7lvFRdyEgFRtywOBn0z3xSeHNHih1eO4j8CWOheWh3XJeEybiMYQR5465JK/SrvgnSr3SNLvodRh8mSXUrmdBvVso8hKngnqO3Wq6/L9RX/AD/Qrjx3Cfh8/iU2ZEqExNY+b8wn37PK3Y67sc46HOK6mJnaFGlQI5UFlBztPcZ715sdGnf4syaMmxtIM6a/Mn92XaUCke7gP+FemUt1fv8A1+d/uB72/r+rW+8474qusfw8vHc7VWa3JJ7DzkrA+IHj3wxrPgi9sNM1iC4upmi8uJA2WxKhPUegNdZ4+0q91rwfcWWmQ+fcPLCypvVchZVY8kgdAaXx9pV7rfgm+sNMh8+6laIpHvC5xKrHkkDoDRHz7/5D6jL+exj+IeiQy2HmXstncGK785h5Krt3Ls6NnPU9MVlX3xC1KLS21jTvDa3Okfafs63U1+ImPz+XvKBGwm7jrnvitTVNNuz480bVxF/oNlZXKXExcfIWC44zk9D0FedaXZajD4Si1rU7C7v9Dhle/aCPVUjikAcv5ohMQIX+IJvxntQul/n97/QSX9fL/M6a41PU7L4sXf2DRX1C9m0aDdClwqRxESNndIw6c4GFyfSus8L+If8AhI9Nmmks5LG6tbh7a6tncOYpVxkBhww5HNUNMsrm48f3GvpCw0680mBIZWIBLb2YgrnI4Ydql8I6Ve6XceIGvofKF5q0tzAd6tvjZUAbgnHQ8HmmtNH5/wDpQt9V5fkMt74aX/wmd+y7ha3nnEeu2xtz/SsPw54G0rxL4bs9a8WRyarqeowi4eeWZx5Qf5lWMAgIACOldFpltHe3vi21nyY578Rvj0Nlbg/zrD0ZvGXhXSYtDXw7FrMVoPKtr6K+SEPGD8u9G5BAxnGf8ZW7v/W9/wBCuiM+C6uo/AnjjQ7y5kuxo6zwwTzNudomi3KrHuRnGaXwGnw6e40r+xxZHXVt1b5N+8P5fz9eP71a0XhTU7fwH4hguWjutb1lZ5phCcJ5jptVFLY+UAAZNdRolvLZ+H9Otrhdk0NrFHIuQcMEAIyPcVS01fZfk7kvol5/pY8l0dfh42oa0vi4WR1I6xchRNv3bN/y9OOua9nVQqBUGFAwAPSuc8F6Ve6TaasmoQ+S1xqtxcRDerbo3YFW4Jxn0PNdJSWkUvJfkN6yb83+YUUUUAFFFFABRRRQAUUUUAFFFFABRRRQB51e6peaf8IPC9vpk5trvU4bCwjnUcxeYi5Ye+AcVb1P4aaFaaPcXWlLcWerQRNLFqS3Mhm8wDO5jn5snqDxQnh+bxH8INAtrKdbe9gsbO5tZHGVEqRqVz7Hp+P4U+9vvHGsaZLpa+G4NLnuIzFJqEmoJJFGCMFlRfnJxnAOMHqamzs7b/8AA/zuUrXTe39foc/4n1a013wB4L1PxKIxa3N/A17vHyEbHDHjscE1eKeC/wDhAfFMngcWv/HhItyYN39xtud341sar4Wng0/wnYaREZoNIv4HlYsqlY0RgWOTzyeg55rb8U2VxqXhHVrKyj8y4uLOWOJNwG5ipAGTwOfWnU+Gdurf5IUPijfsvzZxPgNPh09xpX9jiyOurbq3yb94fy/n68f3q9MqjolvLZ+H9Otrhdk0NrFHIuQcMEAIyPcVerSfxMzh8KuFFFFQWFFFFABRRRQBm63/AKrTf+w1pn/pdDXrdeSa3/qtN/7DWmf+l0Net0AeMx3PiRY1FtpOlSQgARvJqkiMy9iVFuQDjtk49TTvtfir/oDaP/4Npf8A5Gp95r1tosekR3kcxXUJUtUlRQUjdl+XcSeAcYGM81Nr2uW3h7SX1C8SWRFdI1jhALyMzBVVQSATk+tAFb7X4q/6A2j/APg2l/8Akaj7X4q/6A2j/wDg2l/+Rq2x09KKAOY1a013XNMl0/VNA0ie1mx5kf8AbU67sEEcrbg9QKW+g8RaharbzaRp8cakEfZvEFzA3AxjdHApx7ZxXTUUAcT/AMI7rH/QP/8ALx1H/wCN1tC68Ugf8gbR/wDwby//ACNW5WbYa5bajrGp6bAkqzaY8aTM4AVi67htwcnj1Ao8gK32vxV/0BtH/wDBtL/8jUfa/FX/AEBtH/8ABtL/API1bdFAGJ9r8Vf9AbR//BtL/wDI1H2vxV/0BtH/APBtL/8AI1bdFAGJ9r8Vf9AbR/8AwbS//I1H2vxV/wBAbR//AAbS/wDyNW3RQBifa/FX/QG0f/wbS/8AyNR9r8Vf9AbR/wDwbS//ACNW3RQBxmi3PiQat4hMWk6UzHUUMgbVJAFb7Lb8A/ZzkY2nPHJIxxk7H2vxV/0BtH/8G0v/AMjVTt9STR28YajLBNPHa36yvHAoZ2UWdsTgEgHj3retb+3vNLh1CGQG2mhEyuf7hGc/lQBm/a/FX/QG0f8A8G0v/wAjUfa/FX/QG0f/AMG0v/yNVvQtZg8QaJb6paRTRQXILRrOoDFckA4BPBxkexFaFGwGGbrxSQQdG0fn/qLy/wDyNVDT9O1rStH/ALL07QNJt7TDAKmuXAYbiSTv+z7s5JOc5rq6KAOI/wCEd1j/AKB//l46j/8AG61bMeJbG1S3g0jTWRM4M+u3Ez8nPLvblj+JroqzbvXLaz8QafpEqSm41BJXiZQNiiMAncc578YBo8gK32vxV/0BtH/8G0v/AMjUfa/FX/QG0f8A8G0v/wAjVt0UAYn2vxV/0BtH/wDBtL/8jUfa/FX/AEBtH/8ABtL/API1bdFAGJ9r8Vf9AbR//BtL/wDI1Y/hG58SL4J0MW2k6VJCNOtxG8mqSIzL5a4JUW5AOO2Tj1NdnXJaTrlt4d+FOh6lepLJDHp9mhWEAtlkRR1IHU+tAGl9r8Vf9AbR/wDwbS//ACNR9r8Vf9AbR/8AwbS//I1Wdf1u28OaJPql8kskEBUMsIBY7mCjAJA6sO9Sy6l5esW1h9ivH8+JpPtKRZhj2/ws2eCc8DvQBR+1+Kv+gNo//g2l/wDkaj7X4q/6A2j/APg2l/8AkatuseHXvO8ZXWg/ZsfZ7OO68/zPvbmK7duOMbeuaOtg6XGfa/FX/QG0f/wbS/8AyNR9r8Vf9AbR/wDwbS//ACNW3RQBifa/FX/QG0f/AMG0v/yNR9r8Vf8AQG0f/wAG0v8A8jVt0UAYn2vxV/0BtH/8G0v/AMjUfa/FX/QG0f8A8G0v/wAjVt0UAYn2vxV/0BtH/wDBtL/8jVj+J7nxI2kwCfSdKRf7RsSCmqSMd32qLaMG3HBOAT2BJwcYPZ1ieLf+QLb/APYT0/8A9LIaAD7X4q/6A2j/APg2l/8Akaj7X4q/6A2j/wDg2l/+RqsR69bP4ol0Fo5o7qO2F0rOo2SoW2nac5JB4PA60t3rltaa/YaOySyXV8kkieWAVjVACWbJ4GSAMZ5NAFb7X4q/6A2j/wDg2l/+RqPtfir/AKA2j/8Ag2l/+Rq26KAOXurLW73U7LULrw/o8lzYlzbudZnxGWGGOPs+Cceo4qPUNO1/U51ludLtkZV2gW3ie8gXHuscKgnnrjNdZRQBx9npGu2N0lxDpsLOmcCfxXfTIcjHKPEVP4itX7X4q/6A2j/+DaX/AORq2nYIjMeijJrP0HWrfxFodtqtkkqQXKlkWYAMMEjkAkdvWgCr9r8Vf9AbR/8AwbS//I1YOpeFbvVdRkv7vw1pS3UqBJZbfX7qAygdm8uBd345ruaKAOb0+HXtJsIrLTfD2h21tCMJFHqsoA7/APPt1J5J7mrP2vxV/wBAbR//AAbS/wDyNW3RRuBifa/FX/QG0f8A8G0v/wAjUfa/FX/QG0f/AMG0v/yNW3RQBifa/FX/AEBtH/8ABtL/API1H2vxV/0BtH/8G0v/AMjVt0UAcZ4nufEjaTAJ9J0pF/tGxIKapIx3faotowbccE4BPYEnBxg7H2vxV/0BtH/8G0v/AMjUeLf+QLb/APYT0/8A9LIa26AMT7X4q/6A2j/+DaX/AORqPtfir/oDaP8A+DaX/wCRq26KAMT7X4q/6A2j/wDg2l/+RqPtfir/AKA2j/8Ag2l/+Rq26KAMT7X4q/6A2j/+DaX/AORqPtfir/oDaP8A+DaX/wCRq26KAMT7X4q/6A2j/wDg2l/+RqPtfir/AKA2j/8Ag2l/+Rq26KAMT7X4q/6A2j/+DaX/AORqPtfir/oDaP8A+DaX/wCRq26KAMT7X4q/6A2j/wDg2l/+RqPtfir/AKA2j/8Ag2l/+Rq26KAMT7X4q/6A2j/+DaX/AORqPtfir/oDaP8A+DaX/wCRq26KAMT7X4q/6A2j/wDg2l/+Rqx/E9z4kbSYBPpOlIv9o2JBTVJGO77VFtGDbjgnAJ7Ak4OMHs6xPFv/ACBbf/sJ6f8A+lkNAB9r8Vf9AbR//BtL/wDI1H2vxV/0BtH/APBtL/8AI1Ta94j0/wAOW0Ul+0jyzv5dvbQRmSWd/wC6iDkn9KztO8c2V5q0Om32nano91cf8e66lbeWJz1IVgSM+2QaFrsGxb+1+Kv+gNo//g2l/wDkaj7X4q/6A2j/APg2l/8Akaq2seM4dJ17+yItH1XUrr7OLhhYwo4VCxXnc4PUUl/40h03RrG/u9G1ZZL65+zRWXkp5+/nGV3452+vcUdLgWvtfir/AKA2j/8Ag2l/+RqPtfir/oDaP/4Npf8A5GqTRNek1lphJouqaZ5QGDfxIm/Ofu7WbOMfrWvQBifa/FX/AEBtH/8ABtL/API1H2vxV/0BtH/8G0v/AMjVt0UAYn2vxV/0BtH/APBtL/8AI1H2vxV/0BtH/wDBtL/8jVt0UAYn2vxV/wBAbR//AAbS/wDyNR9r8Vf9AbR//BtL/wDI1bdFAGJ9r8Vf9AbR/wDwbS//ACNR9r8Vf9AbR/8AwbS//I1bdFAGJ9r8Vf8AQG0f/wAG0v8A8jUfa/FX/QG0f/wbS/8AyNW3RQBxnie58SNpMAn0nSkX+0bEgpqkjHd9qi2jBtxwTgE9gScHGDsfa/FX/QG0f/wbS/8AyNR4t/5Atv8A9hPT/wD0shqxHr1s/iiXQWjmjuo7YXSs6jZKhbadpzkkHg8DrR5AV/tfir/oDaP/AODaX/5Go+1+Kv8AoDaP/wCDaX/5Gqzd65bWmv2Gjsksl1fJJInlgFY1QAlmyeBkgDGeTWlQBifa/FX/AEBtH/8ABtL/API1Urqy1u91Oy1C68P6PJc2Jc27nWZ8Rlhhjj7PgnHqOK6iigDk9Q07X9TnWW50u2RlXaBbeJ7yBce6xwqCeeuM1HZ6RrtjdJcQ6bCzpnAn8V30yHIxyjxFT+IrsKR2CIzHooyaNg3MX7X4q/6A2j/+DaX/AORqPtfir/oDaP8A+DaX/wCRqtaFrVv4h0K21aySVILlSyLKAGABI5AJHb1qjaeLba/8L22uWOn6hcwXMgjWGGEPKPnKFioOMAjJOelO2tg6XMXUvCt3quoyX934a0pbqVAkstvr91AZQOzeXAu78c1q6fDr2k2EVlpvh7Q7a2hGEij1WUAd/wDn26k8k9zXSVj65r39jX2kW/2bzv7SvBa7vM2+XlWbdjBz93px1peQPuxn2vxV/wBAbR//AAbS/wDyNWPc3PiT/hNtMLaTpQmGnXgRBqkhUr5ltuJb7PkEHbgYOcnkY57OsS7/AOR+0r/sGXv/AKNtaAD7X4q/6A2j/wDg2l/+RqPtfir/AKA2j/8Ag2l/+RqsaHr1tr9vcyWsc0LWty9rNFOoV0dDzwCeOQR7GlsNcttS1fUtPtklL6a6RzSkDYzMu7apzkkDGeB1FAFb7X4q/wCgNo//AINpf/kaj7X4q/6A2j/+DaX/AORq26KAOXtrLW7TVbzUrfw/o63d6EE8p1mclwgwowbfAAHpiqk+h63cXEk0mnIGkYsRH4tv0UE+irGAB7AAV2dFAHLadZ+IdL8z7Npdm/mY3favEl3cYx6eZC2OvbGavfa/FX/QG0f/AMG0v/yNVnX9ctvDujyalepLJDG6IVhALZZgo6kDqfWjX9btvDmiT6pfJLJBAVDLCAWO5gowCQOrDvRuBVN14pIIOi6OQeo/taX/AORq5pfAxWTI8JaP5fmeb9m/t668jd6+T5Gz8NuK7SXUvL1i2sPsV4/nxNJ9pSLMMe3+FmzwTngd6u0bagYYuvFIGBo2j/8Ag2l/+RqX7X4q/wCgNo//AINpf/kanw6953jK60H7Nj7PZx3Xn+Z97cxXbtxxjb1zWxR0uHkcZotz4kGreITFpOlMx1FDIG1SQBW+y2/AP2c5GNpzxySMcZOx9r8Vf9AbR/8AwbS//I1N0Rgmr+J2PRdSQn/wDtquaFrVv4h0K21aySVILlSyLKAGABI5AJHb1oAq/a/FX/QG0f8A8G0v/wAjUfa/FX/QG0f/AMG0v/yNUdp4ttr/AML22uWOn6hcwXMgjWGGEPKPnKFioOMAjJOelb9AGJ9r8Vf9AbR//BtL/wDI1H2vxV/0BtH/APBtL/8AI1P1zXv7GvtIt/s3nf2leC13eZt8vKs27GDn7vTjrWxQBifa/FX/AEBtH/8ABtL/API1H2vxV/0BtH/8G0v/AMjVt0UAYn2vxV/0BtH/APBtL/8AI1H2vxV/0BtH/wDBtL/8jVt0UAYn2vxV/wBAbR//AAbS/wDyNR9r8Vf9AbR//BtL/wDI1bdFAGJ9r8Vf9AbR/wDwbS//ACNR9r8Vf9AbR/8AwbS//I1bdFAGJ9r8Vf8AQG0f/wAG0v8A8jUfa/FX/QG0f/wbS/8AyNW3RQBifa/FX/QG0f8A8G0v/wAjUfa/FX/QG0f/AMG0v/yNW3RQBxnhG58SL4J0MW2k6VJCNOtxG8mqSIzL5a4JUW5AOO2Tj1NbH2vxV/0BtH/8G0v/AMjVW8Naha6V8MdFvtRnS3toNJt3kkc8KPKX/OKpH4k6fGi3F3o+uWmnMeNRnsSIMHoxwSwU+pUUdbAa32vxV/0BtH/8G0v/AMjUfa/FX/QG0f8A8G0v/wAjUeIPFNp4fsrO4e2ur8X06wQR2Sq7OzAkYywGMD1qCDxeraVqOoXuh6vp8OnwmZxdwopkABJCYc5PHfHUUd/IOxP9r8Vf9AbR/wDwbS//ACNR9r8Vf9AbR/8AwbS//I1VdH8ZHWbm2ji8Oa5bQ3C7luri3jWILjIJIcnB+neulp2Fe5ifa/FX/QG0f/wbS/8AyNR9r8Vf9AbR/wDwbS//ACNW3RSGYn2vxV/0BtH/APBtL/8AI1H2vxV/0BtH/wDBtL/8jVt0UAYn2vxV/wBAbR//AAbS/wDyNR9r8Vf9AbR//BtL/wDI1bdFAHMahceIHk0tb7TNMhg/tnTtzw6lJIw/02HGFMCg84HUY689K9q3XP8Azxi/7+n/AOJryrW/9Vpv/Ya0z/0uhr1ugDxLxZpD634BubW3yLlbdZrdl6rKmGQj8R+tYEOrDxzqnhKOLDQRQf2teqP4XUbI1/7+bj/wGu+tP+POH/rmv8qxvDvg7TPDF7qNzppmL6hL5jiVgRGMs2xMAYXLE4560LR/j8/6t9wPVf1/X/DnGyXuq+Itc1tjB4jeGzu3srYaTeRW8cWwD5mBkUuxJz8wIwRU+rzeJZdA8H2mo39zpWqXeoC3u5YGXcy7H6hSVyQAe4B57V0934NtptWudRsNT1LSprvBuRYzKqTEDAYqysAccZXBqzceGLK4TSFea6/4lM4uIC0xdnYKR87Nkt94980R0Sv5fhuEt3bz/wCAYGrW9x4Ou9AvotU1G709Lo2l6Ly7aUlZjhHbPB2vjnrg4q/4ZurrVvE2v6m9xKbCOcWNnDvPl/uv9Y4XpkuSM/7NT+PoTc+A9WgSymvpZYCkUEEZdzISNhAHo2DntjNP0i3tvBvhHT7OZLmQQoEkNvbS3DNIcs7EIrHltxzjHNC63/q/9P7wfS39W/r8Dfrj/C3/ACUDxn/13tf/AETWr/wlunf8+2sf+CW8/wDjVULvwLFc63e6paa9rWnS3xRpks540QlVCjgoT0HrRs7/ANdAKVzFeeKvHWq6XLq1/p1hpEUG2KwmMLzPIpYuzjnAAwB0zWUlxrk3hvxbo1vql3cXmhTq1neF8SyIFEgjdlxuOAVJ75rpr7wPaXlxBdxapqtlfxwLbyXtpcBJblF6eZ8pVj3zgfyrS0Hw9YeHdPe0sFkYSyGWaWdzJJO56s7HqTStZO39O+/9eg+qf9bbHH6j4kurzxHo2raddSLpVrHbNdxJIdkn2slBuA67flIz0zXQeGJ7jUta17UpLiV7Q3f2S1iMhKKsQ2uwHQEvuyR/dpLLwJpdj4d1DRoprtre/JLu8gLxDAChDjgLgY4OPetjR9Lh0XSYNPtnkkjhB/eSkF3JJJZiAASSSTxVaf15/wCX6k6/15f5l2iiikMKKKKAMLRUWXVvFEcihkbUkVge4Nnb1wcV9daf4F1XwZDITqMOof2TaZPPkzHcjfQRlv8Avmu+0H/kNeJv+wmn/pHbUyfwdplx40g8TuZvtsMXliMMPKY4YByMZLAMRnPSlZX12/r/AIb5jvppv/X/AA/yOZ8Qz3dt4i0vwppcGqHT7XThO0WlTJDLIFYRqC7MpCjHO05ORUbS+ItN8C+LDef2na28Fs0mmzXtwj3KfIdwLoxJww4JOeevFdfrfhm01u5tbtri6sb603CG7s5Akiq33l5BUg4HBBqM+FLeXQNQ0u71DULtdQRknuLicNJgjHyjG1eOwUCh3cX3dwVk120Odk8O6tH4Dn1Cz8Q6td6xLax3StJckIZEG/aqLgKGGVI6Hv61Yt9el8VeJvDo0ueWGzSyOp3ixyEBt42Rxtjr828kH+7XY21ulnZRW8ZZkhjCKTySAMdu/FcZ8OdFTQ9H1XVZrK5szfXcsqW8kTebFbqzeWmzGe7EKB/FVtpyb6b/ANfg/kSk+Vd9v6/rqdzXH67/AMlU8Kf9cL3/ANAWtX/hLdO/59tY/wDBJef/ABqquqeHrTxdLp+rRX+raZNaLIsLwKbaTDYDbllTcPu+gqeqf9bMfSxB4xur2bWNC8P2V7Np6arLL9ouoDiQJGm4ojfwls9eoxVG0jvPDfxAstDTVtQ1DT9Us5pCl7OZpLeRMfMrnkAg4x61qTeB7S70lLPUNU1W8mhn+0W9/LcAXFu+MfI6qMDHYg9fpU+ieELLRtSl1J7u+1LUJI/K+1383mOsec7FwAFGeeBQkr6/1oD20/rX/I41r7WrvwWnhu31K4XXItRmsmuhM3mlYg0octnPzKEHvu963dP1mfxL4k0F7WeSK2h0z+0LuOORlDvINiIw7gEOcH0rbh8L2MHiybxAkk/2maPY0RceUDhQXC4zuIVRnPQUnh/wvZeHJL1rGS4k+1y+YROwbyxkkIuAMKCzYBz1oXn/AE7W/wCCD8v61v8A8A2q8y8Qbv8Ahn3S/LwX+xaft3dM5i616bXJaTodt4i+FOh6bevLHDJp9m5aEgNlURh1BHUelHVeqA5z4gP4zPgi9Gs2+hJZbovNNrPM0g/epjAZAOuO/Sul1K8uY/iZ4ftY7iVbeWyumkhVyEcjZgkdCRk4rZ1/RLbxHok+l3zyxwTlSzQkBhtYMMEgjqo7Uy90OG41q01lWkN5YwSxQR7gI23gZ3cZ/hHQ0Xt+P5A1dW/rdHlc+rHW9LV4vEmrv4nm1Hyxp9leSRx+WJtuAqYAjEYzvHfv2ro7jQ5NT+LF3Zx6tf2MEWjQCQ2su2WXEjAZkOWHqccn1rBsbG/sfCwsrK28YWviFCyxwwtKLNJSSQAWJh8rJ65zivTbDQlg1k63dSu+ozWUVrOFI8o7SSSoxnqT36U0rJf10t/XqEuv9db/ANehleALu8ksdWsL+8mvTpepy2cVxcHdI8ahSu49z83WusrN0jQ7bRZNQe1eVzqF293L5hB2uwAIXAHHyjrn61pUui9F+QdWFFFFABRRRQAVieLf+QLb/wDYT0//ANLIa26xPFv/ACBbf/sJ6f8A+lkNAGP47J0jU9B8TJlVsbsW10R/zwm+Uk+wbaar2148mv8AivxWI/Oj0y2axsx/e8pS8v5vgf8AAa67WNLttb0a70y+DG3uomifacMAR1HuOoqHQ9As9A0GLSLTzJbeMMC05DNIWJLFjgAkkntS1s7edvn/AE/vHpdfj8v6/A84sm8VXej2WrabB4jn1Wby7jzZb2D7HKrYLL5PmYCbScYUMOK3NRsr7XfiheaYdc1OwsItMhmaCynMZZy7jIb+H3x14z0rXsvAtrp4jgtNX1iLT433R6et3iJOc7QQPM257b8VqxaHbReJp9cV5Tcz2yWzISNgVWLAgYznJPeq0uref5E62f8AXU5o6xJ4T8XavBqt3PPp8+n/ANo2rTyl9hiG2VBn1+VsDjmtjwTDqEfhKzl1maWa+ugbmbzXLFC53BBnoFBAx2xWR8QNBHiTVPDlh9jnkX7a0lxcIh2RwBcujMOm/wCUY74rpb/W7TS5lhuIb52ZdwNtp886gdPvRowB46ZzSW2vp/X5fIb309f0/wCD8y7P/wAe8n+4f5Vy/wAL+Phno/8A1yf/ANGNWtbeILHUbgWkUOpI8gIDTaXcwqOO7vGFH4msfSPh/Hon2WOx8Sa8La1cMlq1xH5RAOdpAj6Hvz3oXXzt+oGJpGn6l4t8Mz+JrjxJqtjeTGZ7aG1uPLgtgjMFVo+j/d+bPXp71LZ+IdRu9N8FeJbmeSOG6f7JfwhisbmQFVkKjj76jHpurWufhxpk0lytvqOrWVjduXn061u9lu5blvlxkBu4BArZ1Dw7YX/hs6IFa1tAiJF9nIVodhBUqSDgggGhaL7v+D94PV/f/wAD7jkNM8SXVhr2s6nqV1JJpt5b3FzZxvISkYtn2EKOg3AhuOtdV4Rt7228J2A1WeWe9ki82dpnLsGc7iuT2GcAe1Vb/wAD6ZqGj6Zpss10kOm48tkkG6Rdu1lfIIIYdeB+FdJRsrf1/X+QPV3/AK/r/MKKKKACiiigDE8W/wDIFt/+wnp//pZDW3WJ4t/5Atv/ANhPT/8A0shrboAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACsTxb/yBbf8A7Cen/wDpZDW3WJ4t/wCQLb/9hPT/AP0shoAxb7B+NmlC6wUGkTG1z2l8wb8e+yl+Jyh9D0tI8fa21e1FqcfMH39vwzW74g8M6f4khgF950U9s/mW91bSmOaBuhKsOmfTp09Kpab4IsbHVYtSvb/UtYvLcEW8upXHmeRkYOxQAoJ9cZoj0v0f63B9fNfpYwdUbW1+ME3/AAjsenyT/wBix+YL+R0UL5zdNgJznFL43bWv7P8ACpmjsBq/9sxYRJH+z79r4+bG7GMZ4rr10O2TxPJroeX7VJaC0KZGzYG3ZxjOcn1/CjV9DttZm0+S6eVDp92t3F5ZA3OoIAbIPHPbH1oWyXn+twe8vT9LDNEbxAyzf8JJFpsbZHk/YJJHBHOd29R7dK1aKKACiiigAooooAKKKKACiiigAooooAxPFv8AyBbf/sJ6f/6WQ1j+OydI1PQfEyZVbG7FtdEf88JvlJPsG2mtjxb/AMgW3/7Cen/+lkNXtY0u21vRrvTL4Mbe6iaJ9pwwBHUe46ijzH5M5G2vHk1/xX4rEfnR6ZbNY2Y/veUpeX83wP8AgNYFk3iq70ey1bTYPEc+qzeXcebLewfY5VbBZfJ8zATaTjChhxXo+h6BZ6BoMWkWnmS28YYFpyGaQsSWLHABJJPasuy8C2uniOC01fWItPjfdHp63eIk5ztBA8zbntvxQtH93/B+8Tu1/Xy+4yNRsr7XfiheaYdc1OwsItMhmaCynMZZy7jIb+H3x14z0qc6xJ4T8XavBqt3PPp8+n/2jatPKX2GIbZUGfX5WwOOa6WLQ7aLxNPrivKbme2S2ZCRsCqxYEDGc5J71zfxA0EeJNU8OWH2OeRftrSXFwiHZHAFy6Mw6b/lGO+KWtkvX8W/y0fyH1bf9Wt+e3zNfwTDqEfhKzl1maWa+ugbmbzXLFC53BBnoFBAx2xW3P8A8e8n+4f5VSv9btNLmWG4hvnZl3A22nzzqB0+9GjAHjpnNRW3iCx1G4FpFDqSPICA02l3MKjju7xhR+Jol7ydhR03OG8Av40HgLTBpNvoLWflt5RuZ5lkI3t1CoR1z0NVdPvLqx+A2lTWlxLbTfa4lLwuVODdYIyOcEEivSNC0W38PaFbaTZPK8FspVGlILEEk8kADv6VmL4I01fCFv4cE919jt5VlV96+YSsnmDJ24xn26VbfvX81+Yvs2/rY5rxNrNk3jDVbDxD4jvtJtrW0iaySwuGiLuwYsSU5Z+Fwh7cgHNZtzp+pyeFfAsN5e39rqNzqavLPcSGWaMmN/8AnpnB29ugJ6Vf1K0a38b63dataeJIUuREbWTQ/PMcqqgGX8o/6zPGGAGAPx2vD2gX2p6Lpc/iiW9Fzp9+91aLM6ed5fzLGJiAQW2nJxg9PepitPuf4/n/AJDl/n+X5f5keixXeg/EeTQxq1/qFjc6YbwC/m81o5FkCfKx5AIPTpW3d/8AI/aV/wBgy9/9G2tWW0O2bxQmul5ftSWhtAmRs2Fw2cYznI9fwqtd/wDI/aV/2DL3/wBG2tHRf11f6B1f9dDn5b6Lwj8SNTkum8uw1awN6MngTQDD49ymD+FZRudU8PfDazuIlmj1XxFqSvcPDt8xDOxb5dxChtgVRk4Brs/FXhDTvF9pbW+qNOi203mo0DhWPBBUkg/KQeRV3WNEsdd0h9N1CItbttI2MUZGU5VlI5BBAIpdP62vf/gfIfX+t7W/4PzOS8P2+vWniq08i016PS5InW8GsXsVwAwGUdCJGYHPBA456VF4L0u91p7/AFPUvEGrSCDU7qCC2S6KRqgdhg45brxk8YGMYrqNL8N/2deLcz6zq2pOiFIxeXAKoD1+VFUMfdsmrGiaHbaDaz29m8rpPcyXLGUgkNI24gYA4z0quvy/UWv4/ocH/bmqr4Jm8N/bJj4gTUxpC3PmnzGDHcJt3X/VZOfUV6XFH5UKRhmbYoXc5yTjuT3NcXbaCLz4x3utNZTww2VnHGsroVSedgQXXs22M7c+9b8/iewt7iSGS31UtGxUmPSLp1JHoyxkEe4JFJPTXd/1/wAH5g9/L+n/AMD5GN8Vd3/CvLzy8F/Ot9u7pnzk61gfEB/GZ8EXo1m30JLLdF5ptZ5mkH71MYDIB1x36V2F9FpvjfR7jTZBqMEO+N3aSzltmyrBhtMqAHlecZ/DIq9r+iW3iPRJ9LvnljgnKlmhIDDawYYJBHVR2oWn33/IfUxtSvLmP4meH7WO4lW3lsrppIVchHI2YJHQkZOK4GfVjrelq8XiTV38Tzaj5Y0+yvJI4/LE23AVMARiMZ3jv37V6pe6HDca1aayrSG8sYJYoI9wEbbwM7uM/wAI6GvMLGxv7HwsLKytvGFr4hQsscMLSizSUkkAFiYfKyeuc4oW68v87itp/XaxvXGhyan8WLuzj1a/sYItGgEhtZdssuJGAzIcsPU45PrW14Au7ySx1awv7ya9Ol6nLZxXFwd0jxqFK7j3Pzda1bDQlg1k63dSu+ozWUVrOFI8o7SSSoxnqT36VLpGh22iyag9q8rnULt7uXzCDtdgAQuAOPlHXP1prTR+f33/AMhb6+n5FLSP+Ql4q/7CK/8ApFb1x/gF/Gg8BaYNJt9Baz8tvKNzPMshG9uoVCOuehrstEUPq/idT0bUkB/8A7armhaLb+HtCttJsnleC2UqjSkFiCSeSAB39KlrR/13H2PN9PvLqx+A2lTWlxLbTfa4lLwuVODdYIyOcEEitDxNrNk3jDVbDxD4jvtJtrW0iaySwuGiLuwYsSU5Z+Fwh7cgHNdKvgjTV8IW/hwT3X2O3lWVX3r5hKyeYMnbjGfbpXL6laNb+N9butWtPEkKXIiNrJofnmOVVQDL+Uf9ZnjDADAH4uXvN+r/ACQ1vf8ArdlC50/U5PCvgWG8vb+11G51NXlnuJDLNGTG/wDz0zg7e3QE9K6XRYrvQfiPJoY1a/1CxudMN4Bfzea0ciyBPlY8gEHp0qTw9oF9qei6XP4olvRc6ffvdWizOnneX8yxiYgEFtpycYPT3roG0O2bxQmul5ftSWhtAmRs2Fw2cYznI9fwqvtX83+Wn4k9P67/AORpUUUVIwooooAKKKKACiiigAooooAKKKKAPLtcx/wqLwWJ8fY2l0wXYboYtq5z7ZxXoHiA26+GdSN7s+zi0l8zeONu05zWV4d0yz1n4W6Np+pwLcWtxpNsskbdx5S/ke4PY1VHw3090S3v9Y1vULBCCLC6vS0JxyAQAGYDHQkipavFx7/5JfoUnZqXY5W4XUY/h38PRbrE18L228pblmCZ8t9oYgEgYx0FdRrjeIG+H/iP/hJItNjb7BL5P2CSRwRsbO7eo9ulb+qaDaas+mmdpIhpt0l1CsRABZQQAcg/Lz0GKsarp0Wr6Rd6dcs6w3cLQu0ZAYBhg4yCM8+lVP3lLzb/ACRMPdcfK35s5vwc/is6bpQ1GDR10z7JHhoJpTNt8sbeCoXPTPPrXX1BY2iWGn29nCWaO3iWJC55IUADPvxU9VJ3k2iYq0UmFFFFSUFFFFABRRRQBm63/qtN/wCw1pn/AKXQ163Xkmt/6rTf+w1pn/pdDXrdAHjMfhiwuI1mkuNVDSAOwj1e6RQTzwqyAAewAAp3/CJad/z86x/4O7z/AOO1n+K9VvtB0PTNXtZ9lna3EP8AaEflht8DYVjkjIKkg8VP4z1e7sdMsrbRZxFqGqXkVtbyhQ+wE5d8EEHCA0LX77fl/mH/AA5Z/wCES07/AJ+dY/8AB3ef/HaP+ES07/n51j/wd3n/AMdpNV8ZaFol41pqN8VnjQSSJHBJKYl/vPsUhB9cVLqPirQ9J0+1vtQ1KGK0vDiCfJZJPlLcMMjoD9enWgNSP/hEtO/5+dY/8Hd5/wDHaP8AhEtO/wCfnWP/AAd3n/x2l07xdomqz2sNjds8l4sjQK8Eke8IcP8AeUcj0PPer0Wq2U2sT6XFNuvLeJZZYwjfIrZ25bGMnB4zmgCh/wAIlp3/AD86x/4O7z/47R/wiWnf8/Osf+Du8/8Ajtbdc3oGq3t74w8TWVzNvt7GWBbdNijYGi3NyBk5PrmjqBZ/4RLTv+fnWP8Awd3n/wAdo/4RLTv+fnWP/B3ef/HafrfizRPDskUWr3whlmBMcSRvLIw9dqAnHvjFIvi3Qn0Bdaj1GOTTmdY/PRWYBmYKAQBkHJHUcZ5o32DYb/wiWnf8/Osf+Du8/wDjtH/CJad/z86x/wCDu8/+O1duda0+z1ey0u5uAl7fBzbxbSfMCDLcgYGB60+DVLO51S606CXfdWio06bGwgcErzjByAeAaAM//hEtO/5+dY/8Hd5/8do/4RLTv+fnWP8Awd3n/wAdrbooAxP+ES07/n51j/wd3n/x2j/hEtO/5+dY/wDB3ef/AB2tuigDjNF8MWEmreIVa41UCLUURdur3Skj7LbnkiTLHJPJycYHQADY/wCES07/AJ+dY/8AB3ef/Haoxx30q+Mk0i4+zXxvR9nl2Btr/YrfHDAg81Jpfi2G5+HSeJLkgeXaNLcL0xIgIdf++gRSbsm+w7XaXctf8Ilp3/PzrH/g7vP/AI7R/wAIlp3/AD86x/4O7z/47VLTPEQ0bwhpVz4xv/8AiYXqBiqwku7N82xY41ydoIHA7c1oW/ivRbrQ7nV4L5XsrQMbh9jBotvLBkxuBHoRmqejd+glqk11Gf8ACJad/wA/Osf+Du8/+O0f8Ilp3/PzrH/g7vP/AI7VaL4geGJ45pIdUEkULokkqQSFAXbavzBcEZ4yDgd8VsXuq2Wn3VnbXc2ya+lMVugRmLsASeg4GB1PFFmBQ/4RLTv+fnWP/B3ef/HaP+ES07/n51j/AMHd5/8AHa265vVtVvbbx/4f02CbbaXkV008exTvKKpXkjIxk9DS62As/wDCJad/z86x/wCDu8/+O0f8Ilp3/PzrH/g7vP8A47V7VtZ0/QtPa91e6jtbdTje/c9gAOSfYc1T0bxbofiDz10m+E0luN0sTRvHIo9djANj3xRcBv8AwiWnf8/Osf8Ag7vP/jtH/CJad/z86x/4O7z/AOO0+TxZokPhlPEEt8F0uQDbcGN+cttHy43deOlXLnVbO0vrOzuJttxfMy26BGbeVXceQMDA7nFAFD/hEtO/5+dY/wDB3ef/AB2sfwj4YsLjwToc0lxqoaTTrd2Eer3SKCY1PCrIAB7AACuzrgLnVb3Rfgjo17pk3kXCWNgqvsVsBvLU8EEdCaOtgOk/4RLTv+fnWP8Awd3n/wAdo/4RLTv+fnWP/B3ef/Har+PtVvdE8E31/pk3kXUTRBJNgbGZVU8EEdCas3V4Y/F2m2p1fyRPbyt/Z/2bd9oK4+fzP4duenfNC1/ryuGyE/4RLTv+fnWP/B3ef/HaP+ES07/n51j/AMHd5/8AHaqX3xD8L6ddNBc6kxdZfIJhtZpU8z+5uRCpb2zmsi58X2WkfEe7Oq6nJBYSaTBJBbvvO52dslYgM7sYzgZ45o/r8Lg9P687HRf8Ilp3/PzrH/g7vP8A47R/wiWnf8/Osf8Ag7vP/jtXtI1jT9e02O/0i6S6tpM7ZEyOR1BB5B9jzV2jYDE/4RLTv+fnWP8Awd3n/wAdo/4RLTv+fnWP/B3ef/Ha26KAMT/hEtO/5+dY/wDB3ef/AB2j/hEtO/5+dY/8Hd5/8drbooAxP+ES07/n51j/AMHd5/8AHax/E/hiwg0mBkuNVJOo2KfPq904w11EDwZCM4PB6g4IwQDXZ1ieLf8AkC2//YT0/wD9LIaAD/hEtO/5+dY/8Hd5/wDHaP8AhEtO/wCfnWP/AAd3n/x2q2rare23j/w/psE220vIrpp49ineUVSvJGRjJ6GtfVtZ0/QtPa91e6jtbdTje/c9gAOSfYc0dL/12DrYo/8ACJad/wA/Osf+Du8/+O0f8Ilp3/PzrH/g7vP/AI7TtG8W6H4g89dJvhNJbjdLE0bxyKPXYwDY98UsnizRIfDKeIJb4LpcgG24Mb85baPlxu68dKAGf8Ilp3/PzrH/AIO7z/47R/wiWnf8/Osf+Du8/wDjtX7nVbO0vrOzuJttxfMy26BGbeVXceQMDA7nFXKAMT/hEtO/5+dY/wDB3ef/AB2j/hEtO/5+dY/8Hd5/8drbooAxP+ES07/n51j/AMHd5/8AHaP+ES07/n51j/wd3n/x2tuigDE/4RLTv+fnWP8Awd3n/wAdo/4RLTv+fnWP/B3ef/Ha26KAMT/hEtO/5+dY/wDB3ef/AB2j/hEtO/5+dY/8Hd5/8drbooAxP+ES07/n51j/AMHd5/8AHaP+ES07/n51j/wd3n/x2tuigDjPE/hiwg0mBkuNVJOo2KfPq904w11EDwZCM4PB6g4IwQDWx/wiWnf8/Osf+Du8/wDjtHi3/kC2/wD2E9P/APSyGtugDE/4RLTv+fnWP/B3ef8Ax2j/AIRLTv8An51j/wAHd5/8drbooAxP+ES07/n51j/wd3n/AMdo/wCES07/AJ+dY/8AB3ef/Ha26KAMT/hEtO/5+dY/8Hd5/wDHaP8AhEtO/wCfnWP/AAd3n/x2tuigDE/4RLTv+fnWP/B3ef8Ax2j/AIRLTv8An51j/wAHd5/8drbooAxP+ES07/n51j/wd3n/AMdo/wCES07/AJ+dY/8AB3ef/Ha26KAMT/hEtO/5+dY/8Hd5/wDHaP8AhEtO/wCfnWP/AAd3n/x2tuigDE/4RLTv+fnWP/B3ef8Ax2j/AIRLTv8An51j/wAHd5/8drbooAxP+ES07/n51j/wd3n/AMdrH8T+GLCDSYGS41Uk6jYp8+r3TjDXUQPBkIzg8HqDgjBANdnWJ4t/5Atv/wBhPT//AEshoAP+ES07/n51j/wd3n/x2j/hEtO/5+dY/wDB3ef/AB2qPibW9T/t6w8N+HWhgvryJ55ruZN620K8bgmRuYk4APHHNZ17e+JPBl5Y3Wr6yuuaTdXKW05ktEhlti5wrgpgFc4yCM0LUHob/wDwiWnf8/Osf+Du8/8AjtH/AAiWnf8APzrH/g7vP/jtYmqza9qXxGk0XS9fk0q1i0xLoiO1il3OZCp++pPTHftSeJptf0fS9BsLfxBIb291NLaa/NpFuKMHP3Nu3jA7dqFql5/52B6N+X+Vzc/4RLTv+fnWP/B3ef8Ax2j/AIRLTv8An51j/wAHd5/8dqTRNM1bT2mOr6/Lq4cDyxJaxQ+XjOfuAZzx19K16AMT/hEtO/5+dY/8Hd5/8do/4RLTv+fnWP8Awd3n/wAdrbooAxP+ES07/n51j/wd3n/x2j/hEtO/5+dY/wDB3ef/AB2tuigDE/4RLTv+fnWP/B3ef/HaP+ES07/n51j/AMHd5/8AHa26KAMT/hEtO/5+dY/8Hd5/8do/4RLTv+fnWP8Awd3n/wAdrbooAxP+ES07/n51j/wd3n/x2j/hEtO/5+dY/wDB3ef/AB2tuigDjPE/hiwg0mBkuNVJOo2KfPq904w11EDwZCM4PB6g4IwQDWx/wiWnf8/Osf8Ag7vP/jtHi3/kC2//AGE9P/8ASyGqlzq97pvxGtLC7uN2m6paN9lQoB5dxGcsNwGTuU55PbijrYOly3/wiWnf8/Osf+Du8/8AjtH/AAiWnf8APzrH/g7vP/jtVrjVb24+Itpo9jNstLWze6vwEU7yx2xpkjI5DNxjpUkXjvw3NqCWcepqZHl8hJPKcRPJ/dEu3YT7BqFr/XyAl/4RLTv+fnWP/B3ef/HaP+ES07/n51j/AMHd5/8AHaZrHjXw9oN81nquorBcqiyeSIndirEgEBVOfunOM474rQ0/WrDVbi6gsZ/MltGVJ0MbKULLuX7wGQQc5HFG4bFL/hEtO/5+dY/8Hd5/8do/4RLTv+fnWP8Awd3n/wAdq/pmq2WsWrXOmzefCsrxF9jKCynDYyBkZB5HFWZWKwuy8EKSKTdlcN3Yx/8AhEtO/wCfnWP/AAd3n/x2j/hEtO/5+dY/8Hd5/wDHag8Capeaz4F03UdSm866njZpJNoXcQ7DoAB0ArF0nxDfXvwu07V9S13+z7mWdVkvPsay7v3xQJsAwN3C5xx1qmrOwr6XOh/4RLTv+fnWP/B3ef8Ax2j/AIRLTv8An51j/wAHd5/8dpdZ8X6H4fm8nVL3y5RGZWjiheZkT+8wRSVX3OBXN+I/GNlNF4Y1bTtTlt9Ml1QLPM4kt0kj8tj8wYLlensaX9foM6P/AIRLTv8An51j/wAHd5/8drHufDFgvjbTIRcartfTrxyTq90WyJLYDDeZkD5jkA4PGc4GNvQ/FeieI5J49GvluJLfHmRmNo2UHodrAEj3HFMu/wDkftK/7Bl7/wCjbWgA/wCES07/AJ+dY/8AB3ef/HaP+ES07/n51j/wd3n/AMdqp4U1e9n1LW9H1i48+9027+RygQvbuN0ZwAB6j8Ki0TxI9w/iHWNUvUh0W0ujb2u8KqqIxh33YydzkgcnpxR/lf8AL/MP87Gh/wAIlp3/AD86x/4O7z/47R/wiWnf8/Osf+Du8/8AjtO0jxbouuXbWunXha4WMS+TLDJC7J/eCuoLD3GRVaLx74an1H7BBqXm3Qd4zFHBIxVkJDA4Xg/KcZ69s0AT/wDCJad/z86x/wCDu8/+O0f8Ilp3/PzrH/g7vP8A47U48R6SfDf9vi8X+y/KM32jY33f93G7PbGM5rSikWaFJY8lXUMuQQcH2PIoAxv+ES07/n51j/wd3n/x2j/hEtO/5+dY/wDB3ef/AB2q3j7Vb3RfB9xe6ZN5FwksKq+xWwGlVTwQR0JpfH2q3uieCb6/0ybyLqJogkmwNjMqqeCCOhNH+dvy/wAw62LH/CJad/z86x/4O7z/AOO0f8Ilp3/PzrH/AIO7z/47S3V4Y/F2m2p1fyRPbyt/Z/2bd9oK4+fzP4duenfNU774h+F9OumgudSYusvkEw2s0qeZ/c3IhUt7ZzQBb/4RLTv+fnWP/B3ef/HaP+ES07/n51j/AMHd5/8AHa5258X2WkfEe7Oq6nJBYSaTBJBbvvO52dslYgM7sYzgZ45rsNI1jT9e02O/0i6S6tpM7ZEyOR1BB5B9jzR0uHU5nRfDFhJq3iFWuNVAi1FEXbq90pI+y255IkyxyTycnGB0AA2P+ES07/n51j/wd3n/AMdpmjMV1TxSy8EaipH/AIB29M8B6pea14G0zUNTm866njYySbQu4h2HQADoKAJv+ES07/n51j/wd3n/AMdo/wCES07/AJ+dY/8AB3ef/Har3/xA8MaZqMlje6siTxMFl2xu6RE9mdVKqfqRitVtZ09NRs7E3Km4vo2ltlUEiVVAJIYDHQg9eaFrsGxS/wCES07/AJ+dY/8AB3ef/HaP+ES07/n51j/wd3n/AMdq7aa1p9/ql9p1pciS708oLmPaR5e4ZXkjByPTNP0zVLPWbBb3TZTNbszKr7GXJUlTwQD1B5oAz/8AhEtO/wCfnWP/AAd3n/x2j/hEtO/5+dY/8Hd5/wDHa26KAMT/AIRLTv8An51j/wAHd5/8do/4RLTv+fnWP/B3ef8Ax2tuigDE/wCES07/AJ+dY/8AB3ef/HaP+ES07/n51j/wd3n/AMdrbooAxP8AhEtO/wCfnWP/AAd3n/x2j/hEtO/5+dY/8Hd5/wDHa26KAMT/AIRLTv8An51j/wAHd5/8do/4RLTv+fnWP/B3ef8Ax2tuigDE/wCES07/AJ+dY/8AB3ef/HaP+ES07/n51j/wd3n/AMdrbooA4zwj4YsLjwToc0lxqoaTTrd2Eer3SKCY1PCrIAB7AACtj/hEtO/5+dY/8Hd5/wDHawofED+G/hDoN3bQC5vJrGzt7WFjgPK8ahcn07n6UX1h460zTZdUTxJb39xAhmfTm09EhcAZKK4O8exJ570rrd7Ds72N3/hEtO/5+dY/8Hd5/wDHaP8AhEtO/wCfnWP/AAd3n/x2sDXvE19qXh3wveeHr59N/tq9hiaQRJKyK6MSMMCMgj9KvX0OveHfCeuX114jl1KeKzeS3aS0hj8llUnOFXDduuelN+6m30EveaS6mj/wiWnf8/Osf+Du8/8AjtH/AAiWnf8APzrH/g7vP/jtZ3hnTvEUsGnanqPiue8hmgSaS0NjAgbcmcblUHgn9K6ym1Z2Yk7q6MT/AIRLTv8An51j/wAHd5/8do/4RLTv+fnWP/B3ef8Ax2tuikMxP+ES07/n51j/AMHd5/8AHaP+ES07/n51j/wd3n/x2tuigDE/4RLTv+fnWP8Awd3n/wAdo/4RLTv+fnWP/B3ef/Ha26KAOY1Dw5ZWUmlzwz6mzrrOnACbVbmVeb2Ecq8hB69xx1617V9lj/vS/wDf5/8AGvKtb/1Wm/8AYa0z/wBLoa9boA8kvdNi1nwxNptx/q7q1MTe2VxmuC8BTXXiHXbP+00YSeFbVrKTd0a6LFC3v+7Qf99V2Ufiewt41hkt9VLRgIxj0i6dSRxwyxkEe4JBp3/CW6d/z7ax/wCCS8/+NULR3/r+tWD1Vv6/rQ4SKSPRPE3iG313xRe6BJc3z3EIEMXl3UTAbSrPGxYj7pAPGOlW77S7Cx03wHZWXnz2a6sGjN7FtcgrIwJUqMcngYHauw/4S3Tv+fbWP/BJef8Axqj/AIS3Tv8An21j/wAEl5/8aoWiXlb8Aerfnf8AEzfiDbyQaTaa/aKWudDuVu/l6tD92VfoUJP4UvgGM3lnf+I5lZZdbumnQOMFYF+SEf8AfIz/AMCpniPV7TXfDt5pdu+sWTXcflNONAvHKqfvDHljqMjrxmpJfEEFtpcFpoa39oYFVFNx4cvplCAYxtVU56c5/ChaX/r1/JfiD1t/Xp+b/A6uvOLHxXofhz4h+LU1zUYrNpprYxiTPzAQjPQe9aP/AAkWsf8AQQ/8s7Uf/jlbQ8W6djm31j/wSXn/AMao63A5aLxDpOg+PtT1jW5/JsdXs7Z9N1BomMbxhTuQMAcHOGwcZyPam6Dow8T6T4ykSCS30zXbgtZCWMoWIQAzBTyAXAPPpXWf8Jbp3/PtrH/gkvP/AI1R/wAJbp3/AD7ax/4JLz/41Sto15WHfVP5/hY4CK9l1zSZPFcqsLjQVtEYYOQ8R3XI/JyPwrtPA8YuNPvdbbBfWLyS5Vgc/ugdkQ/74UH8at/8Jbp3/PtrH/gkvP8A41R/wlunf8+2sf8AgkvP/jVVf+vXf8ibf1+Rt0Vif8Jbp3/PtrH/AIJLz/41R/wlunf8+2sf+CS8/wDjVIZt0Vif8Jbp3/PtrH/gkvP/AI1R/wAJbp3/AD7ax/4JLz/41QAaD/yGvE3/AGE0/wDSO2rz+8s5YvFd54C2N9i1bUU1JSvQWxy8q+3zxgf8CrqNF8T2EereIWa31UiXUUddukXTED7LbjkCPKnIPBwcYPQgnY/4S3Tv+fbWP/BJef8AxqhaO/8AXf8ANB0sct4yRtP+IGnapfapdaRprWD2y31vEjLDLvDbXLowUMMc8fdqtd22mnwH4y1LTNXvNXe8tCJrqeJVRykZA2FUVW4OCRnpXZf8Jbp3/PtrH/gkvP8A41R/wlunf8+2sf8AgkvP/jVK3uuPr+Oo7+8mQjRLbWPh3Ho7RrHDcaekShRgIdgwQB6HB/CuX8DXd34q8QW9/qkciyeHrL7C4cdbtiRK2e+FRf8AvqutPi3T8HFvrAPb/iSXn/xqsTw9e2fh/Q57VJNWuL64mluJbuTw9eAPK5J3FAnQcDG7oOoqm7ycv6/qzf4Epe6o/wBf1ojt64Pxlq9hofxE8L32rXKWtskN4GkfOASqgdKl/wCEi1j/AKCH/lnaj/8AHK1bPxVAlqi6gupT3Azvkg8P3sSHnjClGI49zS63Gc54h8Q6VqWpeHfElpP/AGhoemXkyXk0MTOsEjRjY7LjOAT1xxkVLZala+K/ilYar4dLT2VhYyxXd6sZWOQuRsjDEDcQctx0rpf+Et07/n21j/wSXn/xqj/hLdO/59tY/wDBJef/ABqhaP8ArqrA9V/Xe5xFtpiXOuzeBZ1P2S3vZ78Lzj7O8eUH4SSn/vmtHwNNJrutRXd380mhaeunPnP/AB8liJTz7Rp/31XTf8Jbp3/PtrH/AIJLz/41R/wlunf8+2sf+CS8/wDjVC0/ryt+QPX+vO/5m3XmXiBBJ+z7paN91rLTwcHHGYq7L/hLdO/59tY/8El5/wDGqx/CPiewt/BOhwyW+qlo9Ot0Yx6RdOpIjUcMsZBHuCQaAML4geBfD+j+CL2+0+1njuImi2M97PIBmVAflZyDwT1Fb+rf8lX8Nf8AXhd/+yVrf8Jbp3/PtrH/AIJLz/41TJfFOmTQvE9trO11KnGi3gOD/wBsqNV+P5WDR6f1umeW6drH2rwvDompX1ppmkC/Mk08ttcmWMCcv5RfyxFu3cF9/wCGa72yWKX4zahMAjkaLBskABwDI/Q+/Fc/FYSRaAfDy69rA0TaYfKXwrcifyT1TzdmM4/i2Zrs7fxLpNpaxW8FprCRQoI0X+xbzhQMAf6r0pqy/rysD1/rzuZ/gABbjxUqjCjXp8AdB8qGuwrE/wCEt07/AJ9tY/8ABJef/GqP+Et07/n21j/wSXn/AMapdEuyX4IOrZt0Vif8Jbp3/PtrH/gkvP8A41R/wlunf8+2sf8AgkvP/jVAG3RWJ/wlunf8+2sf+CS8/wDjVH/CW6d/z7ax/wCCS8/+NUAbdYni3/kC2/8A2E9P/wDSyGj/AIS3Tv8An21j/wAEl5/8arH8T+J7CfSYFS31UEajYv8APpF0gwt1ETyYwM4HA6k4AySBQBW8ZavYaH8RPC99q1ylrbJDeBpHzgEqoHSq3iHxDpWpal4d8SWk/wDaGh6ZeTJeTQxM6wSNGNjsuM4BPXHGRXVf8Jbp3/PtrH/gkvP/AI1R/wAJbp3/AD7ax/4JLz/41QtEvL/MP6/A5qy1K18V/FKw1Xw6WnsrCxliu71YyschcjZGGIG4g5bjpWbbaYlzrs3gWdT9kt72e/C84+zvHlB+Ekp/75rt/wDhLdO/59tY/wDBJef/ABqj/hLdO/59tY/8El5/8apWVrf1vf8AMLvf+trfkcz4Gmk13Woru7+aTQtPXTnzn/j5LESnn2jT/vqvQaxP+Et07/n21j/wSXn/AMao/wCEt07/AJ9tY/8ABJef/Gqpu/8AXzFa2xt0Vif8Jbp3/PtrH/gkvP8A41R/wlunf8+2sf8AgkvP/jVIZt0Vif8ACW6d/wA+2sf+CS8/+NUf8Jbp3/PtrH/gkvP/AI1QBt0Vif8ACW6d/wA+2sf+CS8/+NUf8Jbp3/PtrH/gkvP/AI1QBt0Vif8ACW6d/wA+2sf+CS8/+NUf8Jbp3/PtrH/gkvP/AI1QBt0Vif8ACW6d/wA+2sf+CS8/+NUf8Jbp3/PtrH/gkvP/AI1QAeLf+QLb/wDYT0//ANLIa264zxP4nsJ9JgVLfVQRqNi/z6RdIMLdRE8mMDOBwOpOAMkgVsf8Jbp3/PtrH/gkvP8A41QBt0Vif8Jbp3/PtrH/AIJLz/41R/wlunf8+2sf+CS8/wDjVAG3RWJ/wlunf8+2sf8AgkvP/jVH/CW6d/z7ax/4JLz/AONUAbdFYn/CW6d/z7ax/wCCS8/+NUf8Jbp3/PtrH/gkvP8A41QBt0Vif8Jbp3/PtrH/AIJLz/41R/wlunf8+2sf+CS8/wDjVAG3RWJ/wlunf8+2sf8AgkvP/jVH/CW6d/z7ax/4JLz/AONUAbdFYn/CW6d/z7ax/wCCS8/+NUf8Jbp3/PtrH/gkvP8A41QBt0Vif8Jbp3/PtrH/AIJLz/41R/wlunf8+2sf+CS8/wDjVAG3WJ4t/wCQLb/9hPT/AP0sho/4S3Tv+fbWP/BJef8AxqsfxP4nsJ9JgVLfVQRqNi/z6RdIMLdRE8mMDOBwOpOAMkgUAQ+J5W8OfEDTvFFzBM+mPZPYXc0MZkNv829GZRk7c5GR/hVTXtdsPHz6donhhn1CP7bFPe3SRMIreKM7iCxAG44AAGe9dT/wlunf8+2sf+CS8/8AjVH/AAlunf8APtrH/gkvP/jVC0t5f53/ADB638/+GOY1Tw/p3iH4wTQatFJLHHosbqI55IsHzmHVGBPWl8b6Dp8On+FdGjikFidZijMZnkLbSrkjeW3d+ua6b/hLdO/59tY/8El5/wDGqP8AhLdO/wCfbWP/AASXn/xqhaJLz/W4PVt9/wDKxNonhrS/DqzLpEMsQnIMnmXMkucZx99jjqelatYn/CW6d/z7ax/4JLz/AONUf8Jbp3/PtrH/AIJLz/41QBt0Vif8Jbp3/PtrH/gkvP8A41R/wlunf8+2sf8AgkvP/jVAG3RWJ/wlunf8+2sf+CS8/wDjVH/CW6d/z7ax/wCCS8/+NUAbdFYn/CW6d/z7ax/4JLz/AONUf8Jbp3/PtrH/AIJLz/41QBt0Vif8Jbp3/PtrH/gkvP8A41R/wlunf8+2sf8AgkvP/jVAG3RWJ/wlunf8+2sf+CS8/wDjVH/CW6d/z7ax/wCCS8/+NUAHi3/kC2//AGE9P/8ASyGs34jWczeG01azXN3otwl/HjuqffX8ULVD4n8T2E+kwKlvqoI1Gxf59IukGFuoieTGBnA4HUnAGSQK2P8AhLdO/wCfbWP/AASXn/xqj0H6nPeHLafXvDPiLXrUtHd+IPNFozcFIlUxw/Tu341zWlLpGo+FrHQtV8UatDOqxQy6ItrEJY5FI+UIId+ARnd6ck16N/wlunf8+2sf+CS8/wDjVH/CW6d/z7ax/wCCS8/+NULR/d+At1r5/iZFpEh+NGouyKzpo0IVyORmV84P4Vl+Ob258IeJDrWnRSOdZsmsCsYzm7XmBiPfLD8K6v8A4S3Tv+fbWP8AwSXn/wAarG1m+0/WdW0i5mOsJbabcG5Nt/YF4fOk2kId3l8bck9Dmla6Sf8AV73/AD+8Nrv+tLW/FHQ+HNHj8P8Ahux0uI5FtCEZv7zdWP4kk1fn/wCPeT/cP8q5fUPE1xJOp0qa5totuGW58L38zFvUFdmB04x+NR2fiW+S6RtQupp7cZ3xweFNQic8cYYswHPsacvfvfqC92xgeAfAfh7VfAWmX19aXD3E0bF2W+nQE72H3VcAdOwrPhGP2f8ASgOgvYf/AErr0T/hLdO/59tY/wDBJef/ABqj/hLdO/59tY/8El5/8ap31v5p/cxW0t/WxxGs6/e6L8RPEA08WyNPbW6ubuC4lAwjYkBijYBRkgq2MkE5HNK9tpo0L4f2un3sWqWkWqKvnheHYJIT8p6YbselXJXe11zUNQ8ParqtiupMslxDceF7u4AkChQytsUjgDg5Favh2/0nw9pZtY11y5kkme4nnk0S7DSyucs2BFgc9AOgApR0Sv5fg/6/rZy12/rSwSAL8a4SBgtoL7sd8TritW7/AOR+0r/sGXv/AKNtaP8AhLdO/wCfbWP/AASXn/xqse58T2DeNtMmFvqu1NOvEIOkXQbJktiML5eSPlOSBgcZxkZOiX9bth1v/W1jM8fXs/hHxJb+JbONpBfWcmmyIozmbBeA4/3gRSeJfDc+j/DPR7G0NwyabdwXF61vGJJCoYmRwpBDEM2/BB6V1n/CW6d/z7ax/wCCS8/+NUf8Jbp3/PtrH/gkvP8A41S2Vv63v+Y93/Xp+Rzmg/2NrHiqwvbbxXf69dWccjRjyo/LiDrht7JEu3PGASDkdKufDSKNNH1Z0RVaTWbsuwGC37wjn14rX/4S3Tv+fbWP/BJef/GqP+Et07/n21j/AMEl5/8AGqr/AC/W5JwL2kq+I5Ph75cn2KbUxqSkDKiy/wBYyew80bfxr1muLtL7T4fF1/r1wdYne4t47aCL+wLxfs8akkjPlndljnoKWfxJqbXEhtr144SxKJJ4R1B2VewLBwCffA+lJaRS/rt+SXzG/ib/AK7/AJjviqgk+Hl4jfdaa3BwcceclYHxA8C+H9H8EXt9p9rPHcRNFsZ72eQDMqA/KzkHgnqK6fTvFEkXmf2tJeXWceX9l8M30G31zuD57en41e/4S3Tv+fbWP/BJef8Axqhafff8gMnVv+Sr+Gv+vC7/APZK4DTtY+1eF4dE1K+tNM0gX5kmnltrkyxgTl/KL+WIt27gvv8AwzXqUvinTJoXie21na6lTjRbwHB/7ZVxUVhJFoB8PLr2sDRNph8pfCtyJ/JPVPN2Yzj+LZmhdPL/ADuFl/XpY6CyWKX4zahMAjkaLBskABwDI/Q+/FP8AALceKlUYUa9PgDoPlQ1oW/iXSbS1it4LTWEihQRov8AYt5woGAP9V6VL/wlunf8+2sf+CS8/wDjVPbbzX3u4tXv5flYj0j/AJCXir/sIr/6RW9cp8NvGvh238HaNo02rQpqJBiFuQd29pDgdMdxWvoviewj1bxCzW+qkS6ijrt0i6YgfZbccgR5U5B4ODjB6EE7H/CW6d/z7ax/4JLz/wCNUu4zhdB8S6N4a8F3nh3xAkiayr3CT2RtmaS8Z2bDLgYcMCOc4x7VaOl3mgfDjwtqeoqy3mgSRSzg/eSFvkkU49EYf9812H/CW6d/z7ax/wCCS8/+NUf8Jbp3/PtrH/gkvP8A41Rr89PwB6v7/wATgJ7qbQLG38RRAi48RW11GM55mlbzLYH0wpIr0zRNLj0XQbLTYPuWsCxA+pA5P4nmqX/CW6d/z7ax/wCCS8/+NUf8Jbp3/PtrH/gkvP8A41RsrL+v6uG7v/X9aG3RWJ/wlunf8+2sf+CS8/8AjVH/AAlunf8APtrH/gkvP/jVAG3RWJ/wlunf8+2sf+CS8/8AjVH/AAlunf8APtrH/gkvP/jVAG3RWJ/wlunf8+2sf+CS8/8AjVH/AAlunf8APtrH/gkvP/jVAG3RWJ/wlunf8+2sf+CS8/8AjVH/AAlunf8APtrH/gkvP/jVAG3RWJ/wlunf8+2sf+CS8/8AjVH/AAlunf8APtrH/gkvP/jVAG3RWJ/wlunf8+2sf+CS8/8AjVH/AAlunf8APtrH/gkvP/jVAHJ6hp15e/B/wvdabbtdXOlxWF+sCfekEaLuAHc4J4q7qXxK0O/0a4ttDe41DVbiFo4dPjtpPN3kYwwIG0DPJJxgcZqfwj4nsLfwTocMlvqpaPTrdGMekXTqSI1HDLGQR7gkGtj/AIS3Tv8An21j/wAEl5/8apWunF7Md7NPscZr3hyOy8JeB9A1EGRU1G3hnCSMuSUfdhlII5J5Brc1zw1pfh34f+I10iGWIT2Epk8y5klzhGx99jjqela//CW6d/z7ax/4JLz/AONUf8Jbp3/PtrH/AIJLz/41Tl7ya7ij7rT7GX4O8HaJp+m6VqtpbzJeG0jYu13M65aMZ+UuV7ntXX1if8Jbp3/PtrH/AIJLz/41R/wlunf8+2sf+CS8/wDjVOTu7kxVlY26KxP+Et07/n21j/wSXn/xqj/hLdO/59tY/wDBJef/ABqkUbdFYn/CW6d/z7ax/wCCS8/+NUf8Jbp3/PtrH/gkvP8A41QBt0Vif8Jbp3/PtrH/AIJLz/41R/wlunf8+2sf+CS8/wDjVAFnW/8AVab/ANhrTP8A0uhr1uvD9Q8R2V7JpcEMGpq7azpxBm0q5iXi9hPLPGAOnc89Ote1fao/7sv/AH5f/CgDze0/484f+ua/yqWiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAxNB/5DXib/sJp/6R21bdFFABRRRQAUUUUAFFFFABRRRQAUUUUAFYngr/AJEHw/8A9gy2/wDRS0UUAbdFFFABRRRQAUUUUAFFFFABRRRQAVieLf8AkC2//YT0/wD9LIaKKANuiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAxPFv8AyBbf/sJ6f/6WQ1t0UUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABWJ4t/5Atv8A9hPT/wD0shoooA26KKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDE8W/8AIFt/+wnp/wD6WQ1t0UUAFFFFABRRRQAUUUUAFFFFABRRRQAViXf/ACP2lf8AYMvf/RtrRRQBt0UUUAFFFFABRRRQAUUUUAFFFFABRRRQBiaD/wAhrxN/2E0/9I7atuiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAMTwV/wAiD4f/AOwZbf8Aopa26KKACiiigAooooAKKKKACiiigAooooAzdb/1Wm/9hrTP/S6GvW6KKAP/2Q==)

Like we mentioned above we have created 625 rules using the combination 5 input variables and 5 linguistic values of each variables. Please find the a few rules we have defined *Tab 2.* Rule created for our FLC, *If (Temperature is Very\_Low) and (Humidity is Very\_Low) and (Lighting is Very\_Low) and (Soil\_Moisture is Very\_Low) and (PH is Good) then (Cooling\_Fans is OFF)(Heaters is Very\_High)(Sprinklers is Very\_High)(Water\_Pumps is Very\_High)(Lamps is Very\_High) (1)*.

1. *Rule Evaluation, Inference, and Implication.*

Fuzzy evaluation is performed by converting the crisp fuzzy input to fuzzy crisp output. For the evaluation we are giving the real number values to the FLC and applying the fuzzy rules. For evaluation of our FLC fuzzy rules we have used integer values. But the outputs were real numbers with four decimal precision. From the *Tab 3* we have selected 3 random fuzzy rules from our 625 rules for evaluation. In table we have implied only the membership function of each input and output variables.

Tab 2 Fuzzy Rules for Evaluation



For the evaluation first fuzzy rule we took values as mentioned in *Tab 2*. Real numbers corresponding each member function. Please refer the *Tab 3* for value we have taken for evaluating the first rule. Here we have fed the values to FLC and generated the output. From the *Fig 8-10* we can see that all the input values are falling under the corresponding membership function of each input and out variables respectively. The Fig 8 shows the console output of these particular inputs.

Tab 3 Evaluation of Rule 77

![Table

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAkACQAAD/4RD4RXhpZgAATU0AKgAAAAgABAE7AAIAAAAPAAAISodpAAQAAAABAAAIWpydAAEAAAAeAAAQ0uocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEFiaGlqaXRoIFNoYWppAAAABZADAAIAAAAUAAAQqJAEAAIAAAAUAAAQvJKRAAIAAAADOTgAAJKSAAIAAAADOTgAAOocAAcAAAgMAAAInAAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADIwMjE6MDU6MDYgMjI6NTc6MzYAMjAyMTowNTowNiAyMjo1NzozNgAAAEEAYgBoAGkAagBpAHQAaAAgAFMAaABhAGoAaQAAAP/hCyFodHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLjAvADw/eHBhY2tldCBiZWdpbj0n77u/JyBpZD0nVzVNME1wQ2VoaUh6cmVTek5UY3prYzlkJz8+DQo8eDp4bXBtZXRhIHhtbG5zOng9ImFkb2JlOm5zOm1ldGEvIj48cmRmOlJERiB4bWxuczpyZGY9Imh0dHA6Ly93d3cudzMub3JnLzE5OTkvMDIvMjItcmRmLXN5bnRheC1ucyMiPjxyZGY6RGVzY3JpcHRpb24gcmRmOmFib3V0PSJ1dWlkOmZhZjViZGQ1LWJhM2QtMTFkYS1hZDMxLWQzM2Q3NTE4MmYxYiIgeG1sbnM6ZGM9Imh0dHA6Ly9wdXJsLm9yZy9kYy9lbGVtZW50cy8xLjEvIi8+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczp4bXA9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8iPjx4bXA6Q3JlYXRlRGF0ZT4yMDIxLTA1LTA2VDIyOjU3OjM2Ljk3ODwveG1wOkNyZWF0ZURhdGU+PC9yZGY6RGVzY3JpcHRpb24+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iPjxkYzpjcmVhdG9yPjxyZGY6U2VxIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpsaT5BYmhpaml0aCBTaGFqaTwvcmRmOmxpPjwvcmRmOlNlcT4NCgkJCTwvZGM6Y3JlYXRvcj48L3JkZjpEZXNjcmlwdGlvbj48L3JkZjpSREY+PC94OnhtcG1ldGE+DQogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgIDw/eHBhY2tldCBlbmQ9J3cnPz7/2wBDAAcFBQYFBAcGBQYIBwcIChELCgkJChUPEAwRGBUaGRgVGBcbHichGx0lHRcYIi4iJSgpKywrGiAvMy8qMicqKyr/2wBDAQcICAoJChQLCxQqHBgcKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKir/wAARCAGgAdIDASIAAhEBAxEB/8QAHwAAAQUBAQEBAQEAAAAAAAAAAAECAwQFBgcICQoL/8QAtRAAAgEDAwIEAwUFBAQAAAF9AQIDAAQRBRIhMUEGE1FhByJxFDKBkaEII0KxwRVS0fAkM2JyggkKFhcYGRolJicoKSo0NTY3ODk6Q0RFRkdISUpTVFVWV1hZWmNkZWZnaGlqc3R1dnd4eXqDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uHi4+Tl5ufo6erx8vP09fb3+Pn6/8QAHwEAAwEBAQEBAQEBAQAAAAAAAAECAwQFBgcICQoL/8QAtREAAgECBAQDBAcFBAQAAQJ3AAECAxEEBSExBhJBUQdhcRMiMoEIFEKRobHBCSMzUvAVYnLRChYkNOEl8RcYGRomJygpKjU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6goOEhYaHiImKkpOUlZaXmJmaoqOkpaanqKmqsrO0tba3uLm6wsPExcbHyMnK0tPU1dbX2Nna4uPk5ebn6Onq8vP09fb3+Pn6/9oADAMBAAIRAxEAPwDuNU1TxE/jTxFbWnie/srazvIoooYLe1YAG1gckl4WJO5z39Kj+2+KP+h01b/wFsf/AJHovv8AkffFv/YSh/8ASG2p1fLYvF14V5RjJ2uefUqTU2kxv23xR/0Omrf+Atj/API9H23xR/0Omrf+Atj/API9Oorm+u4n+dke1n3G/bfFH/Q6at/4C2P/AMj0fbfFH/Q6at/4C2P/AMj06ij67if52HtZ9xv23xR/0Omrf+Atj/8AI9H23xR/0Omrf+Atj/8AI9Ooo+u4n+dh7Wfcb9t8Uf8AQ6at/wCAtj/8j0fbfFH/AEOmrf8AgLY//I9Ooo+u4n+dh7Wfcb9t8Uf9Dpq3/gLY/wDyPR9t8Uf9Dpq3/gLY/wDyPTqKPruJ/nYe1n3MvTNZ8V3OoaxE/jLU1FreLEhW1sssDBE+T/o/XLkcY4A+taX23xR/0Omrf+Atj/8AI9ZGif8AIY8R/wDYST/0kt62aueMxCek3svyG6s77jftvij/AKHTVv8AwFsf/kej7b4o/wCh01b/AMBbH/5Hp1FR9dxP87F7Wfcb9t8Uf9Dpq3/gLY//ACPR9t8Uf9Dpq3/gLY//ACPTqKPruJ/nYe1n3G/bfFH/AEOmrf8AgLY//I9H23xR/wBDpq3/AIC2P/yPTqKPruJ/nYe1n3G/bfFH/Q6at/4C2P8A8j0fbfFH/Q6at/4C2P8A8j06ij67if52HtZ9xv23xR/0Omrf+Atj/wDI9H23xR/0Omrf+Atj/wDI9Ooo+u4n+dh7Wfcb9t8Uf9Dpq3/gLY//ACPR9t8Uf9Dpq3/gLY//ACPTqKPruJ/nYe1n3G/bfFH/AEOmrf8AgLY//I9H23xR/wBDpq3/AIC2P/yPTqKPruJ/nYe1n3G/bfFH/Q6at/4C2P8A8j0fbfFH/Q6at/4C2P8A8j06ij67if52HtZ9xv23xR/0Omrf+Atj/wDI9Zumaz4rudQ1iJ/GWpqLW8WJCtrZZYGCJ8n/AEfrlyOMcAfWtSsbRP8AkMeI/wDsJJ/6SW9XHGYhqXvvb9UNVZ2epr/bfFH/AEOmrf8AgLY//I9H23xR/wBDpq3/AIC2P/yPTqKj67if52L2s+437b4o/wCh01b/AMBbH/5Ho+2+KP8AodNW/wDAWx/+R6dRR9dxP87D2s+437b4o/6HTVv/AAFsf/kej7b4o/6HTVv/AAFsf/kenUUfXcT/ADsPaz7jftvij/odNW/8BbH/AOR6Ptvij/odNW/8BbH/AOR6dRR9dxP87D2s+437b4o/6HTVv/AWx/8Akej7b4o/6HTVv/AWx/8AkenUUfXcT/Ow9rPuN+2+KP8AodNW/wDAWx/+R6Ptvij/AKHTVv8AwFsf/kenUUfXcT/Ow9rPuN+2+KP+h01b/wABbH/5HrNg1nxW/ie9sj4y1MJDZ28qsLWy3Eu8wIP+j4x+7GOO59salY1r/wAjzqn/AGDbP/0bc1ccZiGpe+9v1Q1VnZ6mv9t8Uf8AQ6at/wCAtj/8j0fbfFH/AEOmrf8AgLY//I9OoqPruJ/nYvaz7jftvij/AKHTVv8AwFsf/kej7b4o/wCh01b/AMBbH/5Hp1FH13E/zsPaz7jftvij/odNW/8AAWx/+R6Ptvij/odNW/8AAWx/+R6dRR9dxP8AOw9rPuN+2+KP+h01b/wFsf8A5Ho+2+KP+h01b/wFsf8A5Hp1FH13E/zsPaz7jftvij/odNW/8BbH/wCR6Ptvij/odNW/8BbH/wCR6dRR9dxP87D2s+437b4o/wCh01b/AMBbH/5HrN1PWfFdtqGjxJ4y1NhdXjROWtbLKgQSvkf6P1ygHOeCfrWpWNrf/IY8Of8AYSf/ANJLirhjMQ3rN7P8hqrPua/23xR/0Omrf+Atj/8AI9FOoqPruJ/nYvaz7jb7/kffFv8A2Eof/SG2p1Nvv+R98W/9hKH/ANIbanUY3/eZ+oVfjYUUUVxmQUUUUAFFFFABRRRQAUUUUAY2if8AIY8R/wDYST/0kt62axtE/wCQx4j/AOwkn/pJb1s1pU+L5L8ipbmD4k0JdShku/7T1SzeCBtq2V48KkgE5IHU1k+AtLI8Pabrl5rGq3M01qHlS6vnki5HJ2k44rq9QVn0y6VFLM0LgADJJwa5/wAPaVcTfCy10qdZLS4l00wMJFKtGzIRyDyMZraNR+xav1X6lp3ik2KnjzT2EU7WOpR6bNKI49Se3At2JOFOc7gpPAYqB71PqnjKz0zW30gWWoXl8sCzrDaQBy6kkccjGMc5wOR1JxXI6VpFm+k2ml6xoPiWS+RUhng+0Tm2Yrj5g+/y9nGcZ9gK6i1tLhfihf3Rt5RbNpcMazFDsZhIxKhumcHpWs6dGL06X+fb+vuBqKvp/VyqvxM0iWwN3bWOq3EcQzd+VZkmzwcHzckAEYOQCTgZrW1bxZpmj2en3dy0slvqDhIHgjL7iULLwOTnGAACckVj6XYXUXhXxXC1rMkk97fNChjIMisDtKjuD2x1rH1VrrTPC/gD/QZprm3ntw1rwkhIgIK4bGGHPBxyMU1SpSlZd+/dX/AfLG9l5/gdbo3i201fVZdNazvtOvY4xMIL+Hy2kjzjeuCcjPHrVe58dWNu1zJHYalc2No5Se/t7cNDGQcNzncwXuVUgYqlYSXXiTx3a6uulXun2WnWkkW++h8l5ZJCvCqeSoA6+prn9L0ODStPm0jW9K8SXNzHJIiGynnMF0jMSpBVwi5B5DY96FRpX1Wtlp9/6W+8ajG7v5f8E7PWPGWnaPdWNs0N3eS6hE0lqtnF5hlxjgc9SGznpgHJFS3HiTyba0dNG1aea6TeLaO2G+If7ZLBFPtu+lZkmmyQeOPDRtbKaOztdPniJwWWHhAqs3Izxjrzio/F82rLrlrEsurW+jNbsXl0e3EsxmB4DfKxVcdwOT1rNU6bcYrrd7+b7ehKinoWdQ8Wi48Dalq2jW939ot45Y2iMSiS1lVTnerHHynBOM/Q0ml+LmXwlZ6lrFhfRMwt4mkdI/37ybV3qFb7uTnnHB6VkeFtF1BvB/iuxngvo5765ufIOoACWQPCoVmI+U5PccdaZI2oav8ADGG0ttG1CG90sWheC5gMZmMTKWEefvfdP1yK19nSTcel1r5MbjHZd3/wDs77Wrew1fTdOmSVptSaRYWQDapRdx3c5HHoDWXJ43sxr9zo9tp2p3d1aypHP9ntwyxhgCHLZxt5+vB4rIm1C88QeNvDV3BoWqWlnaST+bNeW5jILQkAbeoHbJwCTgZrW8NWlxB4p8USzwSxxz3cTRO6ELIBEoJUnqM8cVl7KEI3mtbX3681vyJaSX9eZNf+Lre0v7i0tNO1HU3tADctYwh1hOM7SSwy2DnC5Na2naja6tpsF/YSiW2uEDxuBjI+h6H2rgP7ITSfEGsrrFj4gmju7x7q1uNMluDG6uASrLE3ysDkZYDIxXb+H7KDT9Btbe0sprGJVJW3nfe6ZJJ3HJ5yc9TU1YU4wTjvp+Wv9feE1FbGlWNon/IY8R/9hJP/AEkt62axtE/5DHiP/sJJ/wCklvWMPhl6fqiVszZooorMkKKKKACqN3rWlafdJbX+pWdtPJjZFNOqM2eBgE5NXq47xrpvh7T/AA1q11daZbSXV+pjQ+UHlnnYYRVPXOcYA6YJrWlGMpKLv8i4RUnY6e+1Ow0uBZtTvbeziZtqyXEqxqT1xkkc8UzT9Z0zVvM/srUbS98vG/7NOsmzPTO0nGcH8q5S80PU08K+FoJNObVZ9Nkie7tzJHkgQsp5cgHBIHWtXw9rGnT6nd6ZFpD6NqMKLJLbSRIpdD0ZWQkMueM54NaypRUW4u9vT8twsuW6OjooorlICiiigArGtf8AkedU/wCwbZ/+jbmtmsa1/wCR51T/ALBtn/6Nua0h8MvT9UUtmbNFFFZkhUMV3bzTzQQzxSSwECWNHBaMkZG4dsjnmpq8+stfTRvH3ipX07U7zzZrcg2Nm0wXEI67elbU6bqc1uiv+KX6lRi2nY7pb21eaeJbmFpLYAzoJBuiBGRuHbI55p1tcwXlslxaTRzwyDKSxOGVh6gjg1xHhXUF1HxX4wvBazwK6237i8hMb8QkfMh5wcflT9M8S3r+F/DMOlWWn215q4YIoQpb24VSzYQHJ4HC5HXrWksO1ovL8Vcpws/67XOxv7630zT5729k8q3t0Mkr7SdqjknA5P4VLDMlxBHNC26ORQ6nGMgjIrzzUtW1y+8NeM7HXH04/wBnWrRj7FE67i0e4HLMex5GOD3q1Z6/4j0i20GXVbPTl0y+eC0EcMjtPCzqAjFvun3AHHqaf1Z8uj1/4FwdN2+/8LHeUUUVyGYVja3/AMhjw5/2En/9JLitmsbW/wDkMeHP+wk//pJcVpT+L5P8hx3NmiiisxDb7/kffFv/AGEof/SG2p1R3YYeOvFnmEM39pRZKjA/48bbtUldmN/3mfqa1fjYUUUVxmQUUUUAQ293b3aubWeKcRuY3Mbhtrjqpx0I9Kmrk/AH/Hlrf/Yau/8A0IV1laVIckuUclaTQUUUVmIKKKKAMbRP+Qx4j/7CSf8ApJb1s1y1lDrEmv8AiE6ZfWNvF9vQFbiyeZi32WDnIlTjGOMfjWh9l8Tf9BfSf/BVL/8AJFbzim17y2Xft6FtLubNFY32XxN/0F9J/wDBVL/8kUfZfE3/AEF9J/8ABVL/APJFRyR/mX4/5Csu5s0VjfZfE3/QX0n/AMFUv/yRR9l8Tf8AQX0n/wAFUv8A8kUckf5l+P8AkFl3Nms7U9Ft9VutPnuHlVtPuBcRCMgBm2lcNkHjBPTFV/svib/oL6T/AOCqX/5Io+y+Jv8AoL6T/wCCqX/5IppKLupL8f8AIPmbNFY32XxN/wBBfSf/AAVS/wDyRR9l8Tf9BfSf/BVL/wDJFLkj/Mvx/wAgsu5s0VjfZfE3/QX0n/wVS/8AyRR9l8Tf9BfSf/BVL/8AJFHJH+Zfj/kFl3Nmisb7L4m/6C+k/wDgql/+SKPsvib/AKC+k/8Agql/+SKOSP8AMvx/yCy7mzRWN9l8Tf8AQX0n/wAFUv8A8kUfZfE3/QX0n/wVS/8AyRRyR/mX4/5BZdzZorG+y+Jv+gvpP/gql/8Akij7L4m/6C+k/wDgql/+SKOSP8y/H/ILLubNY2if8hjxH/2Ek/8ASS3o+y+Jv+gvpP8A4Kpf/kisnR7fxCdV17y9U0xWF+okLabIQzfZYOQPPGBjAxzyCc84GkYq0veW3n3XkNJWep19FY32XxN/0F9J/wDBVL/8kUfZfE3/AEF9J/8ABVL/APJFZ8kf5l+P+QrLubNFY32XxN/0F9J/8FUv/wAkUfZfE3/QX0n/AMFUv/yRRyR/mX4/5BZdzZriL7Q/Fs3i+TV1XRbuGHK6fFdTyqLde7bVQjee5yfQVvfZfE3/AEF9J/8ABVL/APJFH2XxN/0F9J/8FUv/AMkVpTapu6a/H/IcXYbcHxT/AGXbNapo/wBvyftEcjy+UeeNjAZ6dcrVXQtA1KPxBc6/4huLaS/mgFtHDZqwihjDbsZbliTzkgf4XPsvib/oL6T/AOCqX/5Io+y+Jv8AoL6T/wCCqX/5Ip81k0mlf1/yC+lrmzRWN9l8Tf8AQX0n/wAFUv8A8kUfZfE3/QX0n/wVS/8AyRWXJH+Zfj/kKy7mzRWN9l8Tf9BfSf8AwVS//JFH2XxN/wBBfSf/AAVS/wDyRRyR/mX4/wCQWXc2axrX/kedU/7Btn/6NuaPsvib/oL6T/4Kpf8A5IrJt7fxD/wmWohdU0wSiwtCzHTZNpXzLjAA8/gg7snJzkcDHOkYq0veW3n3XkNJWep19FY32XxN/wBBfSf/AAVS/wDyRR9l8Tf9BfSf/BVL/wDJFZ8kf5l+P+QrLubNYekaLcaf4k13UJniaLUZIXiVCSyhI9p3cevpmn/ZfE3/AEF9J/8ABVL/APJFH2XxN/0F9J/8FUv/AMkVUbRTSktfXvft5B03ILLQrm28R+IdQkeExaosIhUE7l2R7Tu4459M1xWq6HNZ23g/w1d3VnHcQRzMzzu4t2IAAKsrI5cZ4wR1P4959l8Tf9BfSf8AwVS//JFVr7RNY1OAQald6DeRA7hHcaK8i59cG4rop1eWV3JdO/RNLp5mkZWd2/6tY5nTbSW60/xH4OsodL8xrQv9ss5JChkkyuJSxZt/GercV0mseHrvUNG0S0hkhWTT7y1nlLsQGWL7wXjr6Zx+FOstF1nTbfyNOu9CtIc7vLg0Z0XPrgXGKs/ZfE3/AEF9J/8ABVL/APJFE6t5c0ZLv13+4Tld3T/p7mzRWN9l8Tf9BfSf/BVL/wDJFH2XxN/0F9J/8FUv/wAkVy8kf5l+P+RFl3NmsbW/+Qx4c/7CT/8ApJcUfZfE3/QX0n/wVS//ACRWfew6xHr/AIeOp31jcRfb3AW3snhYN9ln5yZX4xnjH41cIpN6rZ9+3oNJdzqaKKKwIG33/I++Lf8AsJQ/+kNtTqbff8j74t/7CUP/AKQ21Orsxv8AvM/U1q/GwooorjMgooooAw/C+i3GiW+ox3TxObrUJ7pPLJOEc5AOQOa3KKKqUnJ3Y27u4UUUVIgooooAxtE/5DHiP/sJJ/6SW9bNY2if8hjxH/2Ek/8ASS3rZrSp8XyX5FS3CiiisyQorL8TXk+n+FdUvLN/Lnt7SSSN8A7WCkg4PBqrcaldx/DuXU0lxeLpRuBLtH+s8rdnGMde2MVooNx5vOxSi215/wDA/wAzeorF0vW4hoehyapcf6VqUUaodh/eSmPefujA6E9hV86pZjWF0ozf6a0BuBFtPMYbaWzjHU9M5olTlFtW/pE62uW6K5uf4g+F7aQpPqyKyytE/wC6c+Wwbad+F+UZ4ycA9qsQeM/D1zrK6Xb6pDJduSqKoJRyOqh8bSfYHNP2NW1+V/cVyyXQ3KKyIbsnxddWh1XzAtokg0/7PjyssR5nmd84xt7YrlfGnj7RpvCeqwaJre2/RAIpIS6ZYMuQkmAGOP7pPeqp0J1JKMVvbvpccYOUren4noNFYl3f/Z/EdhFJqpiWS1lkNgLUuZ9uMvvAyNuenfNY2hfEOyvo9Vk1MyQpZ3UwRo7GfHkJ0ZjtOGxnI4PsKSozlHmir/8AD2Eotq6O0oqjd6zp9jp8N9c3AW3naNInVS28uQFAABJzkVerNxa1ZIUUUVIBWNon/IY8R/8AYST/ANJLetmsbRP+Qx4j/wCwkn/pJb1pD4Zen6opbM2aKKKzJCiiigAooooAKKKKACiiigAooooAKxrX/kedU/7Btn/6Nua2axrX/kedU/7Btn/6Nua0h8MvT9UUtmbNFFFZkhRRRQAUUUUAFFFFABRRRQAVja3/AMhjw5/2En/9JLitmsbW/wDkMeHP+wk//pJcVpT+L5P8hx3NmiiisxDb7/kffFv/AGEof/SG2p1Nvv8AkffFv/YSh/8ASG2p1dmN/wB5n6mtX42FFFFcZkFc74x8Uv4U062uo9Pa/ae4EPlLLsIG1mJHBycL0710Vcn44GbzwwDyP7ai/wDQXrahFSqJSV0XC19fP8jQ1LxNb2nh221izQXkF1JAseH25ErqoPQ9N2ce2K3K8m10nwyZvC8pxZXF/bXmlEnohnTzIR/unkD0Nes1pWpxhBSj1bt6af8ABCceWyCiiiuUgKKKKAMbRP8AkMeI/wDsJJ/6SW9bNY2if8hjxH/2Ek/9JLetmtKnxfJfkVLcKKKKzJMTxn/yI2t/9eM3/oBrkrnwPoKfDeW/W1n+0jSTMG+2z43+TnO3fjr2xivSKK3p15U42jprc0jUcbW6f8D/ACPPdRuBp/hTwTqlwrfY7GSCS5kVS3lIYCu4gc4ywqbTNas9d+LEV1pjSS2w0aRFnMZVJD5yE7c4yBnGema7yitPrCd7rXXr3+QuZctvK343PONKt4W+Gfi/MSZe41FnO37xG7BPrjAqfWoYofBngwQxpGF1HTyoRQMZ64+uT+degUUfWXzXt1uNzu7+v4nDX8E9z498QwWZK3Evh9UiI7MWkA/WuY1jxHo9x8H/AOwoIJTqNtaxxzWn2Zt1q6EbmckYXkHnOTmvYKKcMSo2utrPft8hqok07bf5L/I5HUv+SneHP+vG6/8AZKp+E7ywi1jxF4c1FsXt1qdzMLZ0b95C6g7s4xgjP+cV3VFZ+2XJytdLfjchSsren4HmPhyK5vte07wverI0fheaWaV26SAcW3P+6xP/AAGvTqyNG0I6XqGq309z9quNSufNZ/L2bEChUj6nO0Dr3zWvRiKiqSVv6b1f4jm05aBRRRXOQFY2if8AIY8R/wDYST/0kt62axtE/wCQx4j/AOwkn/pJb1pD4Zen6opbM2aKKKzJCiiigArgvHWmTDUtI1G41CeVDrVokFqPkiiXcMkgffYkE5PQHAA797XE+NV8QajdWdtpfh2S6gsr+C7FyLuFBKE+YqFZgQcnHPpXThW1VTvb1t+ppT3foyfxhGdW8RaB4emkdbG9aaa7RGK+csaghCRzgk8/SoNM0628LfESPTNHVoNO1CweZrUOWRJUcDcoJ4yGwcegqxrFprV9/YviCy0ry9T06SXzNNmuUBkjdSrASDK54Ujt60/R7DV9S8Wt4g1yyXTUgtTa2tn5yyv8zbnkZl4GcAAAn/HaL5adr6Wd1frrb16alN+5a/8Aw9zq6KKK4DEKKKKACsa1/wCR51T/ALBtn/6Nua2axrX/AJHnVP8AsG2f/o25rSHwy9P1RS2Zk+FiujeKNd8OkbIRINRtMn/lnJ98D2Dg/nVHRNZistM1bxZcRPPJq9/5VnFH96VFPlxKM8DJDHPTBzVnx3oWsXlzZ6l4YjD3wilspsuqYhkU/NkkZ2sAQKseJfCIvfB9jpemQ28jaZLDLBb3HEc3l8FG4P3lJ/E12KVNpOT+Kyfy3+/R/ea+636/1+LLOn+J7t9ct9L1vSlsJruNntnhuxcI5UZZCQAVYA56EHnmq2keLtU1y8nSw8Ot9ltrmW2lupbtVXchIBUbcsDgZ9M98Unh/SY4tVjuE8E2eieWh3XBeEyAkYwnl5465JI+lXPBul3mlaZexX8PlPLqNxMg3BsozkqeCeo7VE1Sim0le3f/ACb/ADIfKk7L+tSAeNoT4DfxEbQiVMxtZeZ8wm37PL3Y67u+OnOK6WJnaJGlUI5UFlBztPcZ7154dInf4pSaQmxtKMy67Kn92TaUCn6uA/4V6NWdeMIpcvXX5dvlqKaSdl/Xb8Dk/iX/AMiLc/8AXe3/APRyV0GrapbaLpNzqN8xW3toy7lRkn2A9SeKyfHem3ureELm00u3+0XLSROkQdV3bZFY8sQOgNUNUi1zxfoOoaPe6FJo/nQ7obma6ilXzFZWVSEJOCR1x2qoRjKnFN6KTvqr290qKTtfYcPGepWb2k2veG5dO0+7lWJLn7UsjRs5+TzEABXPfk46VqQ+JEOra1Y3UH2c6VGk28vnzomUtvAxxggjv0rn9TtvE/iy1tdI1LQ4tLthPHJd3Ru0lDqjBsRqvOSR1bGKt+LtA1G+1aCfSYfMS9tzp9+fMVdkJdW389cDeMDn5qtwpNqLsm77O6W1nv6oLR6/1r/kSQeN/P8ABB13+zyl1532f7AZufNMgRU3be+QenQ1pa1n+1vDe4YP9ovkA5/5dLiseTw9ft42AW3xopuU1EyCRcecsRjCbc56hX6YyK2db/5DHhz/ALCT/wDpJcVMlTT9zqm/TTb5aidk9DZooorjMyO7LHx14s8wBW/tKLIU5H/Hjbd6kpt9/wAj74t/7CUP/pDbU6uzG/7zP1NavxsKKKK4zIKqX2l2epPavew+Y1pOLiE7iNkgBAPB56ng8VbopptO6AztW0HTdc+zf2raif7LMJ4TuZSjjocgj8ulaNFFPmbVh3YUUUVIgooooA5aym1iPX/EI0yxsbiL7ehLXF68LBvssHGBE/GMc5/CtD7V4m/6BGk/+DWX/wCR6NE/5DHiP/sJJ/6SW9bNbzkk17q2Xft6ltrsY32rxN/0CNJ/8Gsv/wAj0favE3/QI0n/AMGsv/yPWzRUc8f5V+P+YrrsY32rxN/0CNJ/8Gsv/wAj0favE3/QI0n/AMGsv/yPWzRRzx/lX4/5hddjG+1eJv8AoEaT/wCDWX/5Ho+1eJv+gRpP/g1l/wDketmijnj/ACr8f8wuuxjfavE3/QI0n/way/8AyPR9q8Tf9AjSf/BrL/8AI9bNFHPH+Vfj/mF12Mb7V4m/6BGk/wDg1l/+R6PtXib/AKBGk/8Ag1l/+R62aKOeP8q/H/MLrsY32rxN/wBAjSf/AAay/wDyPR9q8Tf9AjSf/BrL/wDI9bNFHPH+Vfj/AJhddjG+1eJv+gRpP/g1l/8Akej7V4m/6BGk/wDg1l/+R62aKOeP8q/H/MLrsY32rxN/0CNJ/wDBrL/8j0favE3/AECNJ/8ABrL/API9bNFHPH+Vfj/mF12Mb7V4m/6BGk/+DWX/AOR6ydHuPEI1XXvL0vTGY36mQNqUgCt9lg4B8g5GMHPHJIxxk9fWNon/ACGPEf8A2Ek/9JLetIyVpe6tvPuvMaas9A+1eJv+gRpP/g1l/wDkej7V4m/6BGk/+DWX/wCR62aKz54/yr8f8xXXYxvtXib/AKBGk/8Ag1l/+R6PtXib/oEaT/4NZf8A5HrZoo54/wAq/H/MLrsY32rxN/0CNJ/8Gsv/AMj0favE3/QI0n/way//ACPWzRRzx/lX4/5hddjG+1eJv+gRpP8A4NZf/kej7V4m/wCgRpP/AINZf/ketmijnj/Kvx/zC67GN9q8Tf8AQI0n/wAGsv8A8j0favE3/QI0n/way/8AyPWzRRzx/lX4/wCYXXYxvtXib/oEaT/4NZf/AJHo+1eJv+gRpP8A4NZf/ketmijnj/Kvx/zC67GN9q8Tf9AjSf8Away//I9ZNvceIf8AhMtRK6XphlNhaBlOpSbQvmXGCD5HJJ3ZGBjA5OeOvrGtf+R51T/sG2f/AKNua0jJWl7q28+68xpqz0D7V4m/6BGk/wDg1l/+R6PtXib/AKBGk/8Ag1l/+R62aKz54/yr8f8AMV12Mb7V4m/6BGk/+DWX/wCR6PtXib/oEaT/AODWX/5HrZoo54/yr8f8wuuxzVvZ6za6nd6hBoWkrd3gQTyHV5juCjCjBgwAB6YqrNousXE8k0mnoGkYsRH4qvkUE+irGAB7AYrr6Kv2zTvb8/8AMfMzmdPtNe03zPs2mWj+ZjP2nxDdT4x6eZC2OvbGau/avE3/AECNJ/8ABrL/API9bNFS6ibu1+f+Yr+RjfavE3/QI0n/AMGsv/yPR9q8Tf8AQI0n/wAGsv8A8j1s0UueP8q/H/MLrsY32rxN/wBAjSf/AAay/wDyPWfezaxJr/h4anY2NvF9vchre9eZi32WfjBiTjGec/hXU1ja3/yGPDn/AGEn/wDSS4q4STb0Wz79vUaa7GzRRRWBA2+/5H3xb/2Eof8A0htqdTb7/kffFv8A2Eof/SG2p1dmN/3mfqa1fjYUUUVxmQVl+JryfT/CuqXlm/lz29pJJG+AdrBSQcHg1qVieM/+RG1v/rxm/wDQDVw1ki6avNJ9zmW1DxJoWnaNrN5ri6paXstvHcWs1pHGyCXHzIyAZIJ6HrXoNcZ4c8GWkljo+o6jf6jqTQQxTW8F3OGigfaMMqADkZ4znFdnW+JcHK0d1fpYTaaVgooorlJCiiigDG0T/kMeI/8AsJJ/6SW9bNY2if8AIY8R/wDYST/0kt62a0qfF8l+RUtzn/E+u3mm3OmadpMds1/qczRxPdswijCruYkLyeOABjk1d0WTW2jmj8QwWayow8uazdikqn/ZblSPqapeKY/Dd/HBpfiaaCMzkyW3myeUwZcfMj8YYbh359+a4e71HUl8N+MNK07VrjWbKwhi8m9LB5FDH97GXH3yFB57d66adJVKaSVn3frbR/195oocySX9anpVrrmk3141rZanZ3Fymd0MVwjuuOuVByKrve3a6ze2/wBosPIitBLHEjk3KtzlmXps44PrmuI8TDwyND0VfCf2A6l9st/7P+x7TJww3Z284253Z/Hmtv8A5qdrP/YFi/8AQ3pOilHmXnv5W/zFGK39PzsavgvUbrVvBemX+oS+dczwh5H2hdxyewAArHTxpfx/Ee40W8t7caWJUtorhQwkWZohIobnBBwwGAKv/Dr/AJJ1ov8A17D+ZrnbvSZdY1PxxDafLeQz2lxaMBysscQZcfUjH41oo0/bVVJaK/y95L8Ligk7pnS+NPEdx4e0qM6bFDPqNyzLBHNnaAql3ZgCDgKp6dyKvaPrAuvCdhq+pyQWwntI55nLbI0LKCeSeBz3NcXZaj/wmVnrHiUoyW1ppT2lsjAjErR75jj2O1c+xqKc239h/D1daKDRjEv2jzv9UZRAPK354xnPWn9XSjyP4r6/c3b8F8yuVWS9fwV/+AeiWGp2GqRNLpl9bXkanDPbzLIAfTIJqnpmpudMubrV73TNsM8itNay/uo0U4AdmPDDv71zFv8A2afizZ/8Iz9m2jT5BqX2PGzGR5e7bxuz+OPaqOmabbar4Rure4v4LGRfEE8tu1wFZJJFlJCFSRuB54BzWfsI2v0dvVatC5F+X5NnY6h4q0q08OXesW9/Z3UFujFTHcptkkC5EYYZG49McnnpS6R4o0rVtGhv0v7NA6R+aguVbyXcDCMf72TjBwSe1c5Hftq3hPxZYTafYx3dnDJHLJYENDcOYSQwOMhhwCDkjjmqWoXtg/wk02azlhkFv9gkufJIJQB0yWx06Hr6GqVCL91rW6XyYcisvmehy3dvDcQwTTxRzTkiGN3AaQgZO0dTgc8VXm1vSrebybjU7OKXzRDse4VW3kAhcE/ewQcdea5TWdX07UfiL4Sh0+9gunje5dxBIHCgwnGSOBnB/Kl8O6Rp93488V3d3ZQT3Ed1CiSSoGKDylPGenPPHtWaopR5p32v/wCTWE4pK7/rf/I6q+1rS9MlSLUtSs7OSQZRLidYy30BPNXQQQCDkHoRXmVlb3N34l8UR3V9osFx9sZZI9SszK5t9o8vBMi/Jt7Y65rtPCFlHp3hOwtYL+PUYooyI7mMfK65OMcngDgcnpU1aMYQTvrp+Kv/AF3CcVHY2qxtE/5DHiP/ALCSf+klvWzWNon/ACGPEf8A2Ek/9JLesofDL0/VErZmzRRRWZIUUUUAFFFcd4r0O4XT9U1mTxNqlq9vC01ulvOIoYtoyFKAfPkjndnOccVpTipSs3YqMeZ2OxorgrjVNX1jTvCeltdSWFxrMBnvbi3+SRUSMMQp/hLEjkdKu6Ut34f8cjRH1K8v7G9smuYftsvmyRSIwDAOeSpDA4PTFavDtLV66/hv+THy+7c7CiiiuYgKKKKACsa1/wCR51T/ALBtn/6Nua2axrX/AJHnVP8AsG2f/o25rSHwy9P1RS2Zs0UUVmSFFFczq93cRfEPw5bRzypBNDdGWJXIVyFXGR0OO2auEOd29fwVxpXOmorM1zXrPQLSOa8EsjzSCKC3gTfLM56Kq9z+lVNJ8W2mq38tg9nfaffxxecLS9hCO8ecblwSCM8daapzceZLQfK7XN6iucm8b6ZD4Nj8SNHcm0kIURKimUHdtI25xkEHPPQGtK51q2ttU06w2ySy6gHMRjAKqqruLNz05A4zyRQ6U1uu/wCG4uVmjRRRWYgrG1v/AJDHhz/sJP8A+klxWzWNrf8AyGPDn/YSf/0kuK0p/F8n+Q47mzRRRWYht9/yPvi3/sJQ/wDpDbU6o7ti3jrxYSpQ/wBpRfK2Mj/Qbb0qSuzG/wC8z9TWr8bCiiiuMyCiioZ7u3tWiFzPFCZnEcQkcLvc9FGep46CnuBNRUNzd29nGJLueKBGYIGlcKCxOAMnuT2qagAooopAFFFFAGNon/IY8R/9hJP/AEkt62a5ay1G6tNf8Qx2+jX18pv0YyW7wBQfssHH7yRTn8Mc9a0P7b1D/oV9W/7+2n/x+t5wbaemy6rsW0zRvdPs9St/I1G0gu4c58ueIOufoRTrSztrC2W3sbeK2gT7sUKBFX6AcVmf23qH/Qr6t/39tP8A4/R/beof9Cvq3/f20/8Aj9TySta/4r/MVnsWrTQ9JsLprmx0uztp3zulht0Rm+pAzVn7Hbfanufs8XnyII3l2DcyDopPUjk8Vmf23qH/AEK+rf8Af20/+P0f23qH/Qr6t/39tP8A4/TcZvd/iv8AMLM1La2gs7ZLe0hjghjGEiiQKqj0AHApIrS3hnmnhgijlnIMsiIA0hAwNx74HHNZn9t6h/0K+rf9/bT/AOP0f23qH/Qr6t/39tP/AI/S5Jd/xX+YWZoxafZwWj2sFpBHbybt8KRAI2772QBg5zz60Np9m+nixe0gazCCMW5jBj2jou3GMcdKzv7b1D/oV9W/7+2n/wAfo/tvUP8AoV9W/wC/tp/8fo5Z9/xX+YWZfsdMsNLhMWmWVvZxsclLeJYwT64AFMk0XS5rN7SbTbOS2eQyvC0ClGcnJYrjBOe9U/7b1D/oV9W/7+2n/wAfo/tvUP8AoV9W/wC/tp/8fp8s73v+K/zCzNK0srXT7ZbewtobaBekUMYRR+A4qG20bTLOCaGz060giuP9dHFAqrJ/vADn8ap/23qH/Qr6t/39tP8A4/R/beof9Cvq3/f20/8Aj9HLPv8Aiv8AMLMt2uiaVZeV9i0yzt/JYvH5VuibGIwSMDgkcZ9KsRWlvBNNLBBFHJOwaV0QBpCBgFiOpxxzWZ/beof9Cvq3/f20/wDj9H9t6h/0K+rf9/bT/wCP0OM3u/xX+YWZbvtF0vVJUk1LTbO8eMYRriBZCv0JHFXVUIoVAFUDAAGABWP/AG3qH/Qr6t/39tP/AI/R/beof9Cvq3/f20/+P0uSTVr/AIr/ADCzNmsbRP8AkMeI/wDsJJ/6SW9H9t6h/wBCvq3/AH9tP/j9ZOj6xfJquvFfDmpuXv1ZlWS1zGfssAwczDnAB4yMEc5yBcabtLbbuu6GouzOvorG/tvUP+hX1b/v7af/AB+j+29Q/wChX1b/AL+2n/x+s/Zy8vvQuVmzRWN/beof9Cvq3/f20/8Aj9H9t6h/0K+rf9/bT/4/R7OXl96DlZs1534j1WbVvEjafq2ia0+h2Mgby7bT5JBfyDoWIGPLB7c7jyfSur/tvUP+hX1b/v7af/H6P7b1D/oV9W/7+2n/AMfrWlenLm0fzRUfdMXXJbma60DxTp+l380dk0yXFl5BW4Eci7ciM85BUHHUg0/SftniDxwNdk0660/T7Oya2gF7F5UssjsCzbDyFAUDnrnitf8AtvUP+hX1b/v7af8Ax+j+29Q/6FfVv+/tp/8AH6vmajZJdUtVs/8Ah2F3axs0Vjf23qH/AEK+rf8Af20/+P0f23qH/Qr6t/39tP8A4/XP7OXl96J5WbNFY39t6h/0K+rf9/bT/wCP0f23qH/Qr6t/39tP/j9Hs5eX3oOVmzWNa/8AI86p/wBg2z/9G3NH9t6h/wBCvq3/AH9tP/j9ZNvrF8PGWoyDw5qZZrC0UxiS13KBJcYJ/fYwcnGDn5TkDjOkabtLbbuu6GouzOvorG/tvUP+hX1b/v7af/H6P7b1D/oV9W/7+2n/AMfrP2cvL70LlZs1xviuabT/ABp4f1NdOv7y3t4rlZfsVs0xUsqgZCjitn+29Q/6FfVv+/tp/wDH6P7b1D/oV9W/7+2n/wAfrSmnCV9OvVdVYcdDn9XvrrUb3RfElho2pyRaVcTJcWktsY52WSMDeiNjdj29/epbI3niTx7ZawumXun2Gm2sse+9i8p53kxwEPO0AZye9bf9t6h/0K+rf9/bT/4/R/beof8AQr6t/wB/bT/4/WvO0rJLZparZ/8ADspvS39b3OZttDuG8VT6HcWUx0dLqbUUmMZ8phJHt8vd0JDvIcewqz4Ksr+TUftGrW08L6XZrpkJmiKeZtY75Fz1DBY+RW7/AG3qH/Qr6t/39tP/AI/R/beof9Cvq3/f20/+P0OpNxtpt3X9a9QlJtf16/mbNFY39t6h/wBCvq3/AH9tP/j9H9t6h/0K+rf9/bT/AOP1zezl5feiOVmzWNrf/IY8Of8AYSf/ANJLij+29Q/6FfVv+/tp/wDH6z73Ubq71/w9HcaNfWKi/dhJcPAVJ+yz8fu5GOfwxx1q4Qabemz6rsNJnU0UUVgQNvv+R98W/wDYSh/9IbanU2+/5H3xb/2Eof8A0htqdXZjf95n6mtX42FFFFcZkFcn43/4/fC//Yah/wDQXrrKxfE+gvr2mwpbXJtLy0uEurWfbuCSL0yO4IJBHvW1GSjUTexUbX+/8jO+In/IuWv/AGErX/0atdXXIHQ/Euu3VkvimfS4rK0mS4MOniRjcSJyoYvjC5wcDPTrXX06lowUL31b++3+QS6IKKKKwJCiiigDG0T/AJDHiP8A7CSf+klvWzWNon/IY8R/9hJP/SS3rZrSp8XyX5FS3CiiisyQoorJ8Ta5/wAI7oUupfZ/tPlvGnl79mdzhc5wemc9KqMXKSit2NK5rUVW1Ca5t9PnmsLT7ZcohMdv5gj8w+m48D61NCzvBG00flSMoLR7s7TjkZ74pW0uIfRWH4t1q40HQfttmkTyfaIYsSglcPIqnoRzg1uU+V8ql/XT/MdgorOs9at77WtR0yJJRNp3l+azAbW3ruG3nPTrkCpdNub26t3fUbD7DIsrKsfnCTcgPyvkdMjnHahxa3/q4NNFyiiipEFFFFABRRRQAVjaJ/yGPEf/AGEk/wDSS3rZrG0T/kMeI/8AsJJ/6SW9aQ+GXp+qKWzNmiiisyQooooAKKKKACiiigAooooAKKKKACsa1/5HnVP+wbZ/+jbmtmsa1/5HnVP+wbZ/+jbmtIfDL0/VFLZmzRRRWZIUUUUAFFFFABRRRQAUUUUAFY2t/wDIY8Of9hJ//SS4rZrG1v8A5DHhz/sJP/6SXFaU/i+T/IcdzZooorMQ2+/5H3xb/wBhKH/0htqdTb7/AJH3xb/2Eof/AEhtqdXZjf8AeZ+prV+NhRRRXGZBRRVHVrnULWy8zSdPTUJ9wHkvcCEY7ncQfyxTSu7DSuXqK4zTPF3iLU9QurWLwrCpspxBcMdUHyEgHj93zwa7OrnTlT0l+af5A4uLswooorMQUUUUAY2if8hjxH/2Ek/9JLetmsbRP+Qx4j/7CSf+klvWzWlT4vkvyKluFFFFZkhXJ/Ev/kRbn/rvb/8Ao5K6yqWraTZa5pslhqkPnW0hBdA7JnBBHKkHqB3rWlJQqRm+jTKi0ndmb46/5EDXP+vKX/0E1y2qSWk+taJaavZXeq6emjiVrO2heYJISoWR0XrwGAPOD+ddPb+BfD9rHcxw2c2y6ga3mV7yZwyNjI+Zzjp1HNYuv+GZJPFFvdy+HYte0yKyW2ggEsavbEHJJEhAcEYwc8c8c89VCVNPlT79l09f1NIuNrf10OfuvDw0v4V3afYX0s3uqRvHHnE0cJnXywx5+YA9+RW/Nodj4Y+IHh1tFSWA6ibiK8zM7/aAse4FtxOSDzmrXhzwkf7Lv7fW7L7NZXV2lxbaYLppPsoXBHzg9Sw3YBIrp7nS7O81CzvbiHfcWLO1u+4jYWXa3AODkeuaqpiLScb33v8AOKS69H/wAlPVr1/U4zw94e0hfiV4kb+zbYPaPay258sZjLRkll9Mnn61iXSl/hlqiq7xlvETAOhwy/6UOQfWvQ7rwxpF5rkOsXFmDfwhQsyyMucHIyAQGx7g0HwxpDabJYG0/wBFluftTx+a/Mu/fuznP3hnHSpjiY80ZO+nL+H+YOonr6fk0cxLoVj4X+IHh06Iklv/AGibiK8zM7/aAsZcFtxOW3c596wdYtbXXZPE8N3ot/rOpNdvb6fcxRO0cOFAVA/3YwrZLZwD716hc6XZ3moWd7cQ77ixZ2t33EbCy7W4Bwcj1zXn0nhS5S61b+0fB0WsXd1cySx6jHdxxAqx+UHJDJgYztBycnnNXRrKTvJ6pd/71+rXTzLhNaO+un6/8A7/AEawXTNFs7JI44vJhVWSJcKGxzgfXNXazPDthd6X4csbLUrn7VdQQhJZsk7m+p5IHTJ54rTrgqazet9TmCiiioAKxtE/5DHiP/sJJ/6SW9bNY2if8hjxH/2Ek/8ASS3rSHwy9P1RS2Zs0UUVmSFFFFABXG+KtY8Q2Gqaf9kEFnpr6nbWrOcSS3IcjdgdEUcj+8SO3fsq8++IvibRrefS7Ca/jS6tNWtZ54iDmOMHcWPHTBBrpwsXKqla5pTV29OjOv1q21a7hih0W/h08s3724eDzXVf9hT8ufc5+lYvhXU9W/4STWtB1m8TUTpwikjvFiWJmEgJ2sq8ZGO1J4i+IGl6T4ct9SsJ4bo37mKzYkiMsDgsx7Kvfv2FR+A7zQTHcW+m6zHq2q3BN1f3ABDStwM4I4UZAAHQfjWkYTVGTlHT0637+W39MLNQu1/X9af8MdjRRRXEZhRRRQAVjWv/ACPOqf8AYNs//RtzWzWNa/8AI86p/wBg2z/9G3NaQ+GXp+qKWzNmiiisyQrntD1S8vPFniOzuZt9vZSwLbptA2Bo9x5AyefXNdDXn1l4Z0vX/H3ip9UhllaGa3CbLmSLGYRn7jDPTvXRRUWp83b9UXG1nc3NO1W9ufFniexmudtvYrb/AGf92p8rfFuY9MtzzzmpbDxFYWXhOw1DU9ZF6k6hUu/s5ja5Yk/diAzn2A7VheF9NtdI8UeMrKwRkgjS22q8jSEZhJPzMSTyfWuegv5dM8K+Abu3VPNjWYo0qSOhyhGwiNWbJBOCAcYNdPsYzdl/d/8ASW/xt/w5o4Juy/rRHV6z4y07V/B+vt4fvbj7TZ2kpaRYJYTEwH95lGGHpnNXND8a6De/YNNTVY5r6SFQMhiJHCjID42s3sDmuXN1De+DfGt5LqFvPqV1A0lxbQRyRi3URbUG2QKx4HLEDJrT8RRRw+FvCCxRqgj1OwCBVxt7celN0af8Oz1a/L02Bxjt6/kjvKKKK80wCsbW/wDkMeHP+wk//pJcVs1ja3/yGPDn/YSf/wBJLitKfxfJ/kOO5s0UUVmIju3D+OvFjLkA6lF95SD/AMeNt2NSU2+/5H3xb/2Eof8A0htqdXZjf95n6mtX42FFFFcZkFFFFAHKeEf+Rj8Wf9hJf/RSV1dVLPTLOwubue0h8uW8l82dtxO9sAZ5PHAHSrdaVJKcrrsvwSRUndthRRRWZIUUUUActZa1a6dr/iGG4ivnZr9GBt7CedcfZYB96NCAeOmc/nWh/wAJTp//AD76t/4J7v8A+NUaJ/yGPEf/AGEk/wDSS3rZrebhdXT2XXy9C3Yxv+Ep0/8A599W/wDBPd//ABqj/hKdP/599W/8E93/APGq2aKi9Ps/v/4AtDG/4SnT/wDn31b/AME93/8AGqP+Ep0//n31b/wT3f8A8arZoovT7P7/APgBoY3/AAlOn/8APvq3/gnu/wD41R/wlOn/APPvq3/gnu//AI1WzRRen2f3/wDADQxv+Ep0/wD599W/8E93/wDGqP8AhKdP/wCffVv/AAT3f/xqtmii9Ps/v/4AaGN/wlOn/wDPvq3/AIJ7v/41R/wlOn/8++rf+Ce7/wDjVbNFF6fZ/f8A8ANDG/4SnT/+ffVv/BPd/wDxqj/hKdP/AOffVv8AwT3f/wAarZoovT7P7/8AgBoY3/CU6f8A8++rf+Ce7/8AjVH/AAlOn/8APvq3/gnu/wD41WzRRen2f3/8ANDG/wCEp0//AJ99W/8ABPd//GqP+Ep0/wD599W/8E93/wDGq2aKL0+z+/8A4AaGN/wlOn/8++rf+Ce7/wDjVZOj+JLGPVdeZoNTIkv1ZdulXTED7LAOQI/lOQeDg4wehBrr6xtE/wCQx4j/AOwkn/pJb1pFwtLR7d/NeQ1azD/hKdP/AOffVv8AwT3f/wAao/4SnT/+ffVv/BPd/wDxqtmis70+z+//AIAtDG/4SnT/APn31b/wT3f/AMao/wCEp0//AJ99W/8ABPd//Gq2aKL0+z+//gBoY3/CU6f/AM++rf8Agnu//jVH/CU6f/z76t/4J7v/AONVs0UXp9n9/wDwA0Mb/hKdP/599W/8E93/APGqP+Ep0/8A599W/wDBPd//ABqtmii9Ps/v/wCAGhjf8JTp/wDz76t/4J7v/wCNUf8ACU6f/wA++rf+Ce7/APjVbNFF6fZ/f/wA0Mb/AISnT/8An31b/wAE93/8ao/4SnT/APn31b/wT3f/AMarZoovT7P7/wDgBoY3/CU6f/z76t/4J7v/AONVk2/iSxHjLUZjBqe1rC0UAaVdFsiS4Jyvl5A+YYJGDzjocdfWNa/8jzqn/YNs/wD0bc1pFwtLR7d/NeQ1azD/AISnT/8An31b/wAE93/8ao/4SnT/APn31b/wT3f/AMarZorO9Ps/v/4AtDG/4SnT/wDn31b/AME93/8AGqP+Ep0//n31b/wT3f8A8arZoovT7P7/APgBoY3/AAlOn/8APvq3/gnu/wD41WFrlxb6jqtjqmmXOrWF9Zq8au+gXU0bo+NwKmMeg5BFdtRVRnGDuk/vX+Q1JLY4rR7m2stWudW1W41bUNQuI1g8xdAuoY44lJIVVEZPU5JJPbpW5/wlOn/8++rf+Ce7/wDjVbNFOVSM3dp/ev8AITabuzG/4SnT/wDn31b/AME93/8AGqP+Ep0//n31b/wT3f8A8arZoqL0+z+//gBoY3/CU6f/AM++rf8Agnu//jVZ97rVrqOv+HobeK+Rlv3Ym4sJ4Fx9lnH3pEAJ56Zz+VdTWNrf/IY8Of8AYSf/ANJLirg4Xdk9n18vQasbNFFFYEDb7/kffFv/AGEof/SG2p1Nvv8AkffFv/YSh/8ASG2p1dmN/wB5n6mtX42FFFFcZkFFFFABRRRQAUUUUAFFFFAGNon/ACGPEf8A2Ek/9JLetmsbRP8AkMeI/wDsJJ/6SW9bNaVPi+S/IqW4UUUVmSFFFFABRRRQBh674oh0K+s7NtPv7+4vFdoo7KNXOExnO5h61FaeNNOutJ1O88i8gk0uMyXdnPDsnjG0sPlJxyAcc4rJ8XXV3Z+PvDU2n6e+oTiG7C26SrGW+VcncxA4qpfaXqjaN4u1/W7eKymvdNMMVnHIJDEiI3LsOCxJ7cCu6NKm6cW+vn/ett6G8YRdk+tvzOzk1eCLw62sskn2dbU3RUAb9mzdjGcZx71PYXkeo6bbXsAZY7mJZUDjDAMMjOO/Nef3L+MP+Fbyh7fQ/sP9knJE83m+X5Ppsxux74zXZeFv+RP0f/rxh/8AQBWdWioRb87GTVop/wBdDWooorlJCiiigAooooAKxtE/5DHiP/sJJ/6SW9bNY2if8hjxH/2Ek/8ASS3rSHwy9P1RS2Zs0UUVmSFFFFABRRUc/m/Z5PsxQTbT5ZkBKhscZxzjNAElFcHr2seN9Bs4ZpJPD88txcR28EEcEwaR3OABmT6n8K7tc7RuxnHOK1nTcIqV73KcbC0UUVkSFFFFABWNa/8AI86p/wBg2z/9G3NbNY1r/wAjzqn/AGDbP/0bc1pD4Zen6opbM2aKKKzJCiszxBrkHh3RZdQuUeXYQscMYy8rscKij1JNY6TePpUFwLbQYVYhvscjymRR/dMg+Xd/wHFaxpuS5tl5lKLaudXRVa5v7bT7MXOp3EFlHwGeaUKqk9txwKdZ3trqFuLiwuYbqFuBJDIHU/iOKjldrk+ZPRVAa5pJ1H+zxqdmb0HBtvtCeZn025zU17qFlptv5+o3cFpDnHmTyqi59Mk0cstrDs72LNFc3omtT6j4z121F0k9hbw2slsEClRvVixDDrnA7n2rpKc4ODs/L8dQas7f13CsbW/+Qx4c/wCwk/8A6SXFbNY2t/8AIY8Of9hJ/wD0kuKdP4vk/wAgjubNFFFZiG33/I++Lf8AsJQ/+kNtTqy9Z8Q6Lp/xB8Vx6hq9hau9/C6rPcohZfsVsMgE9MgjPsai/wCEx8M/9DFpP/gdF/8AFV34ynN4ibSe5tVi+dmzRWN/wmPhn/oYtJ/8Dov/AIqj/hMfDP8A0MWk/wDgdF/8VXJ7Kp/KzPlfY2aKxv8AhMfDP/QxaT/4HRf/ABVH/CY+Gf8AoYtJ/wDA6L/4qj2VT+VhyvsbNFY3/CY+Gf8AoYtJ/wDA6L/4qj/hMfDP/QxaT/4HRf8AxVHsqn8rDlfY2aKxv+Ex8M/9DFpP/gdF/wDFUf8ACY+Gf+hi0n/wOi/+Ko9lU/lYcr7GzRWN/wAJj4Z/6GLSf/A6L/4qj/hMfDP/AEMWk/8AgdF/8VR7Kp/Kw5X2DRP+Qx4j/wCwkn/pJb1s1yGj+K/D0Wq688mvaYiy36vGzXkYDr9lgXI55GVIz6g+la3/AAmPhn/oYtJ/8Dov/iq0qU532ey/Icou+xs0Vjf8Jj4Z/wChi0n/AMDov/iqP+Ex8M/9DFpP/gdF/wDFVn7Kp/Kxcr7GzRWN/wAJj4Z/6GLSf/A6L/4qj/hMfDP/AEMWk/8AgdF/8VR7Kp/Kw5X2Nmisb/hMfDP/AEMWk/8AgdF/8VR/wmPhn/oYtJ/8Dov/AIqj2VT+VhyvsWLrRbe712w1WR5RPYJIkSqRtIkAByMZ7cYIqfU9Pi1XSrrT7hnWK6iaJ2jIDAMMHGc881Q/4THwz/0MWk/+B0X/AMVR/wAJj4Z/6GLSf/A6L/4qq5aumj0H7ydy1JpEEvh1tGZ5Ps7WptSwI37Nm3OcYzj2qews49O022soCzR20SxIXOWIUYGcd+Kzv+Ex8M/9DFpP/gdF/wDFUf8ACY+Gf+hi0n/wOi/+KocarVmmLlla1jZorG/4THwz/wBDFpP/AIHRf/FUf8Jj4Z/6GLSf/A6L/wCKqfZVP5WHK+xs0Vjf8Jj4Z/6GLSf/AAOi/wDiqP8AhMfDP/QxaT/4HRf/ABVHsqn8rDlfY2aKxv8AhMfDP/QxaT/4HRf/ABVH/CY+Gf8AoYtJ/wDA6L/4qj2VT+VhyvsbNY2if8hjxH/2Ek/9JLej/hMfDP8A0MWk/wDgdF/8VWTo/ivw9FquvPJr2mIst+rxs15GA6/ZYFyOeRlSM+oPpWkac7S0e36oai7PQ6+isb/hMfDP/QxaT/4HRf8AxVH/AAmPhn/oYtJ/8Dov/iqz9lU/lYuV9jZorG/4THwz/wBDFpP/AIHRf/FUf8Jj4Z/6GLSf/A6L/wCKo9lU/lYcr7GzRWN/wmPhn/oYtJ/8Dov/AIqj/hMfDP8A0MWk/wDgdF/8VR7Kp/Kw5X2MdD/wkfxMZ/vWPh2LavHDXUg5+u1OPYmuxrAt/EvhCzEgtNa0SASyGSQRXUK73PVjg8k+tTf8Jj4Z/wChi0n/AMDov/iq0qRnKyUXZL/h/wARyTb2Nmisb/hMfDP/AEMWk/8AgdF/8VR/wmPhn/oYtJ/8Dov/AIqs/ZVP5WLlfY2aKxv+Ex8M/wDQxaT/AOB0X/xVH/CY+Gf+hi0n/wADov8A4qj2VT+VhyvsbNY1r/yPOqf9g2z/APRtzR/wmPhn/oYtJ/8AA6L/AOKrJt/Ffh5fGWoztr2mCJ7C0RZDeR7WYSXBIBz1AZcj3HrWkac7S0e36oai7PQ6+isb/hMfDP8A0MWk/wDgdF/8VR/wmPhn/oYtJ/8AA6L/AOKrP2VT+Vi5X2Mz4h29w+hWd9bxvMul6hBfTRRjLPGhO7H0Bz+FYnjjV9I1Dwvc65o3iqeG5S3At4rTUjErtnPMYIO7BPHXj2rrv+Ex8M/9DFpP/gdF/wDFVmi/+Hy3n2tbrw0Lndu88SW+/Pru65rqpOUUlKL0f9I0i2rNrYzNSezfx9on/CTtCbI6UzW32vHlm53Lu+9xu24x/wDqqvYFP+Ep8Wt4O8v7N/Zq/wDHqP3f2wBsbccZxjOO/XmulvfEPg3Urf7PqOr6Fdw5z5c9zC659cE4pbTxJ4PsLdbew1nQ7aFfuxw3UKKPwBxT55cluV7W8t7/ANfeCbS27fgcLc/8Ikfg4n2c2Lag1qnl7dpuTd8Ht8+7f19vatq9NufHmhL4v+z+UNHJh+1Y8v7VuXzOvG7bj/OK2F1XwGmom/W+8OreE7jciaDzCfXdnNTX2v8AgvU4BDqWraDeRA7hHcXMMig+uCat1ZN35X1+V1bT+tR3drWf9W/yMPwN/ZJ8deKm8P8AkfYmFqVNsP3ZbD7iuOMZz04rvq5638ReDrSRpLXWNDhd1VGaO6hUsq/dBIPQZOB2zVj/AITHwz/0MWk/+B0X/wAVXPWU6k+ZReyX3KxnK8pXt/VjZrG1v/kMeHP+wk//AKSXFH/CY+Gf+hi0n/wOi/8AiqydY8V+HpdV0F49e0x1iv2eRlvIyEX7LOuTzwMsBn1I9amnTnfZ7P8AIFF32OvorG/4THwz/wBDFpP/AIHRf/FUVn7Kp/Kxcr7Gjqf/ACP/AIs/7CMP/pDbUlLqf/I/+LP+wjD/AOkNtSV+rUP4UTWp8bCiiitjMKKKKACiiigAooooAKKKKAMfRf8AkLeIf+win/pLb1sVj6L/AMhbxD/2EU/9JbetipjsU9woooqiQooooAKK5x/H3hiO7Nu2rR7lfY0gRzEG9DIBsH510XXpSjJSV0xtNbi0UUUxBRWb/btqNbutMdZFltbZbqRyo2bCSOOc5+U9qs6fqFtqunw31hL5ttOu+N9pXcPoQDSUk9htNFmiiimIKKKKACiiigArH0X/AJC3iH/sIp/6S29bFY+i/wDIW8Q/9hFP/SW3qZbopbM2KKKKokKKKKACiiigAooooAKKKKACiiigArHtv+R21P8A7B1n/wCjLmtise2/5HbU/wDsHWf/AKMuamW6KWzNiiiiqJCiiigAooooAKKKKACiiigArH1r/kLeHv8AsIv/AOktxWxWPrX/ACFvD3/YRf8A9JbiplsUtzYoooqiRdT/AOR/8Wf9hGH/ANIbakpdT/5H/wAWf9hGH/0htqSsaH8KJpU+NhRRRWxmFQXl5bafaSXV9PHbwRjLySMFVfxNT1x/jBFu/FXhXT7pQ9lNdyyyK33WdI8oCO/JNROTS062X3lRVzQ0/wAceHNTvY7S01JTPL/qllieLzP90uoDfhXQVy/xGghl8BalJMAHt4xLC+cFJARtIPY5robF5JNPt3n/ANa0Sl/rgZojJtuL6W/G/wDkEkrJr+v6uT0UUVZIUUUUAY+i/wDIW8Q/9hFP/SW3rYrH0X/kLeIf+win/pLb1sVMdinuFFFFUSFc18Qrme08AarLaMyyeUF3KcFVZgrH8ia6WoLy0g1CxmtLuMSQToY5EPdSMGoqRcoOKLg1GSbIdNsbSz0a3s7SJFtUiCKgXgrj+tYF1d6zrfiq+0rR9SXSrbTI4zNMtussksjgkABuAoHtnNJa+FNdsbdLG08XTpp8eEjRrKNpkjHAUSn+e2rWoeGLxtafVdC1l9Nup4liuQ9us6TBfunaSMMM9QfwqZ80tbP+vmEUoq1zJj8X6hpnh/xANUEV3qGizLCsqJsWffjy2I7H5uQKXUrnxN4WtbXVtS1qLUrdp447u0+yLGqK7AZjZfm4J75zWpbeC7NfD+oabf3E97JqbGS8umwryOehAHC4wMDoMVXXwfqN5LaR+IPEUmpWNpIsqWwtViMjL93zGBO7Hpxmo5Z3V/L/AIP9fkVeNnbz/wCANR2j+JmsOhwy6PEQfQ73rNHiHXrjwr4SntLyJb7VJxFPLNCpVgUY5KgDpgHAx0rqP7B/4qS91b7T/wAfVmtr5Xl/dwWO7OefvdMVQtvB32fS/D1n9u3f2LMJd/k487CsMY3fL9736UKE7W8//bm3+ANq9/62X6kej3msWHjKTQtX1JdUjksvtcU5t1idCHClSF4I5z61zt54h1q40MatB4kW0uJL/wCzDS4beFmUebs2DcC2/HzZPHtiu1n0YjxR/bySl2jsGtRbBOWJcPndn2xjH415hpctrpmipd6fq8SeIItyx6Y+mRyTh8kiEnYJSexbNRJyVk/P89PXQuKTu15fl/meyRKyQoruZGVQC7AAsfXjj8qfUVs0r2sTXKCOZkBkQHIVscj86lrse5zrYKKKKQBWPov/ACFvEP8A2EU/9JbetisfRf8AkLeIf+win/pLb1Mt0UtmbFFFFUScjqfjPUtJjkv7vwzcR6RFIFkunuUEqrnG/wArrjPvnvitHVPEclvqVtpuj2P9pX1xF9o2GYRJHFkDezEHGSeAAScVmeIXbxdeN4a005s45FOq3a9IwCGEKnu5xz/dHXrireqaHqUXiaDXNAazMotfsk1vdllV03bgVZQSCD7VgnJrfS+/9ef6mrUfn/X/AAfwLuga9/bK3cNxaPZX1lL5VzbMwfYSMghh95SOQePpWncXEVrbS3Fw4jiiQu7t0VQMk1x/hOWceIvFGqarPaLGHhiklgJWFWjQ7vmY87QQCTjkHpUnjO/adtNsVsL6+0q5bz7uWxtmnEiLgrH8vZjgk+g96ftH7NPr/Wv6i5VzW/r+uhc8NeLxr9vqU9xYtYR2LD/WSbiyFN4YjA2/KQcc1THje9TTbfWLnQWi0a4dAtx9rUyqrkBXMeOhJHAYn2rJ8P8AiW3j1fxdcT6ZqIhLfaGWW0KhVSEZRs8KxxwD1FZx0u/0vwrZ+IZ54rnRYWS8XQndjHCjEFAsmcsVyDhhtz0FZqpKyd9LK/8Awf8AgF8q1Vv6/rud5qWpeIba+aPTPD8N7bgDbM+oCIk45+UocfnVLSfFl9qnh+51FdBlM0d01tDbQTiTziDgtvIUBc5Gfap/GWry6f4ZZbD/AI/9QZbW0QnB8yTjP4DJ/CrdnpqaH4btdJsLqK2kjjEMEsqBgz4yTtyNxOCcZ9a097meu3pv/wAN+ZGllp/X9fkVNH8TXV3r0ujazpLaZerB9ojC3CzJLHnBIYAYIJ6Yroq4awW60r4mRxa5cx6nd6jZsLa4jj8r7OiHJTy8nAJ53ZJJGK7mrpyco3fn+ZMlZ6BWPbf8jtqf/YOs/wD0Zc1sVj23/I7an/2DrP8A9GXNOW6BbM2KKKKokKytN1r+0db1bT/s/l/2bJGnmb8+ZvTdnGOMdO9atcBZWWs3fjnxOdH1iLTlWaDer2Yn3nyhg5LDFZyk1JJFxSaZ09prr3mtazp0dp8+mCPa3mf64um4Dp8vp1NX9PnubnT4Zr+0+xXLrmS380SeWfTcODXHeGYby38R+MItSu1vLlVg3zrD5Qb90cfLk44461i28sZ8IeCrS8huLyylR2ubK2RnaZVU4JVfvKrEEj6cHFZqo0rvy/FlOGtl/WiZ6D4j1KbR/DOoajbKjTWtu8qLICVJAzzgjirdjO1zp9vPIAGliV2C9ASAa82XQoNP8IeMtQtdIbTLa6hcWkc8e2URhPmyDyqlskKelWbzQbLQLXwxq2m+euoS3lrBNcvO7NMkgwytk4I9u3anGpLm1X8vyu2Dirff+Fj0iiiitzIKx9a/5C3h7/sIv/6S3FbFY+tf8hbw9/2EX/8ASW4qZbFLc2KKKKokXU/+R/8AFn/YRh/9IbakpNQRY/HvixY1CqNRhwFGAP8AQralrGh/CiaVPjYUUUVsZhWT4g0CDxBZxRyTS21xbyia2uYTh4ZB0I9fQjvWtRScVJWY02ndHKN4R1LUnhj8S+IZNSsonWT7LFaJAsrKcjzCCdw74GBXVUtFEYqOwNt7hRRRTEFFFFAGPov/ACFvEP8A2EU/9JbetiuYs9C0jU9e8QTalpdleSrfogkuLdJGC/ZYDjJHTJP51f8A+ER8N/8AQvaV/wCAUf8A8TWceaxbsbFFY/8AwiPhv/oXtK/8Ao//AImj/hEfDf8A0L2lf+AUf/xNV73YWhsUVj/8Ij4b/wChe0r/AMAo/wD4mj/hEfDf/QvaV/4BR/8AxNHvdg0Niisf/hEfDf8A0L2lf+AUf/xNH/CI+G/+he0r/wAAo/8A4mj3uwaGxRWP/wAIj4b/AOhe0r/wCj/+Jo/4RHw3/wBC9pX/AIBR/wDxNHvdg0Niisf/AIRHw3/0L2lf+AUf/wATR/wiPhv/AKF7Sv8AwCj/APiaPe7BobFFY/8AwiPhv/oXtK/8Ao//AImj/hEfDf8A0L2lf+AUf/xNHvdg0Niisf8A4RHw3/0L2lf+AUf/AMTR/wAIj4b/AOhe0r/wCj/+Jo97sGhsUVj/APCI+G/+he0r/wAAo/8A4mj/AIRHw3/0L2lf+AUf/wATR73YNDYrH0X/AJC3iH/sIp/6S29H/CI+G/8AoXtK/wDAKP8A+JrK0jwt4fl1TXUk0LTXWK/VIw1nGQi/ZoGwOOBkk/UmpfNdaDVrM62isf8A4RHw3/0L2lf+AUf/AMTR/wAIj4b/AOhe0r/wCj/+Jqve7C0M8fDrwwrMVsJl3MWbbfTgEnqcB6u6j4Q0TVVtxf2jSfZovJiYXEiME/ukqwJHHfNP/wCER8N/9C9pX/gFH/8AE0f8Ij4b/wChe0r/AMAo/wD4mo9mkrcq/r5Fczve7LC6HpiaG+jx2ccenvGYmgjG0FT16c5Pr1q1a20NlaRWtqgjhhQRxoP4VAwB+VZv/CI+G/8AoXtK/wDAKP8A+Jo/4RHw3/0L2lf+AUf/AMTV+9vb+vuJ0LlvpVla3F5NDABJfMHuCWLCQhdvQnA4GMCsyLwR4ehnSSPThiN/MSJppGiRvURltg/Kp/8AhEfDf/QvaV/4BR//ABNH/CI+G/8AoXtK/wDAKP8A+JqeXyX9fId/MuXOl2d5qFpe3MPmT2ZYwMWOELDBO3OCcdyOKNU0mw1qxaz1W1juYGOSjjofUHqD7iqf/CI+G/8AoXtK/wDAKP8A+Jo/4RHw3/0L2lf+AUf/AMTTs2rNL+vkF+txdI8L6NoU0k2l2KxTSDa8zu0khHpuYk44HGe1a9Y//CI+G/8AoXtK/wDAKP8A+Jo/4RHw3/0L2lf+AUf/AMTQrpWS/r7haM2Kx7b/AJHbU/8AsHWf/oy5o/4RHw3/ANC9pX/gFH/8TWVb+FvD7eMNQhbQtNMSWFq6xmzj2qxkuASBjqQq5+g9KT5rrQatZnW0Vj/8Ij4b/wChe0r/AMAo/wD4mj/hEfDf/QvaV/4BR/8AxNV73YWhsVUttMtLO9u7u3i2T3jK077id5UYHBOBx6VS/wCER8N/9C9pX/gFH/8AE0f8Ij4b/wChe0r/AMAo/wD4mj3u39fcGhci0mygvL27ih2z3wUXDb2O/au0cZwOPTFcr4g8KbZNFjsdEj1TSNOV0OnmZVZS2MOGkPzADPBYdjzit7/hEfDf/QvaV/4BR/8AxNH/AAiPhv8A6F7Sv/AKP/4molDmVrf19xSlZmHoPhZmuNV+2aX/AGXpF9AsH9li537jzukO04TIIGFNdNc6PY3lvawXMG+OzlSWBd7DYyfdPB5x71V/4RHw3/0L2lf+AUf/AMTR/wAIj4b/AOhe0r/wCj/+JpqLStb+t+3/AAwm7u9zYorH/wCER8N/9C9pX/gFH/8AE0f8Ij4b/wChe0r/AMAo/wD4mq97sLQ2Kx9a/wCQt4e/7CL/APpLcUf8Ij4b/wChe0r/AMAo/wD4mqF5oWkaZr3h+bTdLsrOVr90MlvbpGxX7LOcZA6ZA/KplzWGrHT0UUVoQLqf/I/+LP8AsIw/+kNtSUup/wDI/wDiz/sIw/8ApDbUlY0P4UTSp8bCiiitjMKxfEGsXGk3Ojx26RsL6/S2k8wE4UhiSMEc8e9bVcn49kFpDouozBvstlqkUtw4GfLTDLuPsCRUTdkn5r80VFXv6P8AI0vFOsXGiaZBc2iRu8l3DARKCRtdwpPBHODW1XFeMNVsNYt9L0zSr23vLu5v7eRI4JA5CK+5nOM4UAHmu1og7uXr+iCStYKKKKskKKKKAMfRf+Qt4h/7CKf+ktvWxWPov/IW8Q/9hFP/AElt62KmOxT3CiiiqJCiiigCGK6t5p5oYZ45JYCBKiOC0ZIyAw7ZHPNEd1bzXE0EU8TzQY82NXBaPIyNw6jI9a4ay15NH8c+J1fTtSvPMmgObK0aYLiIdSOlSeGtZhfxH4v1WaC5tYY1t5HjuYTHIoWI5yp5HSsVWTsacj1O7orzgfEe4S1h1KW80KS3kdd2mwzk3UaMQPvbsFhnJXaO/NdRrl7rVtPmwuNHs7bZ8smoM5aV/TAKhR75P0p+1ja4uR3sb9Fec+KdZuvEfwkXVLYQW6SsguI2UvyJlX5GBH8QzyDkfnWzrXiW+8O2Nlb6hc6X/aN9KyxzyBoLeJFGSzZYk9hgHkkdKPaJN3/q4+R6fP8AA62iuQ0HxfLqGp32nT3Om30kFt9piutOcmNlzgqykkqwOO5yD2qXwdrHiLX7G11PU4NOt7G4hyI4S5lLf3sk4CnnjkjjmqjNS2E4tbnVUUUVZAUUUUAFY+i/8hbxD/2EU/8ASW3rYrH0X/kLeIf+win/AKS29TLdFLZmxRRRVEhRVa/uzY2MlyttPdGMZ8m3UNI/PYEgfrXPN47jivLO3u9A1u0N5OsETTwRhS7f9tM+9S5JOzK5W1c6qiiueTxfb3Nw407TNSv7ZJPLa8toFMW4HBwSwLAHqVBFNySdmKztc6GisLV/FMOk3bW0em6nqMsaeZKLG28wRjtkkgZPoCT7US+LdOXwrHr9us93aSFVRIEHmMzPsxhiOdxx1pc8ddR8rN2isfSdfk1W6aF9E1WwCoW828hREPIGAQx55/So/EPizT/DctpFerPLLdOFRIFDFRkDc2SMLlgM+po5la4Wd7G5RRRVEhWPbf8AI7an/wBg6z/9GXNbFY9t/wAjtqf/AGDrP/0Zc1Mt0UtmbFFFFUSFFFUdW1iy0PT2vNSm8qEEKOCWdj0VQOST6Ck2oq7Gk3oi9RXMQ+ObP7VBFqWmarpSXDBIp7612Rsx6LuBO0n3xVzXPE8Oh31nZnT76+uLxXaOOzjVjhMZzlh61PPG1x8rvY26K56fxdFZ+Hp9XvtJ1O1jhkWPyJokErliACo34xlvX1qxpPiCTVLswPoeq2ACFvNvIURD04yHPPPpTUk3YLO1zZoooqiQrH1r/kLeHv8AsIv/AOktxWxWPrX/ACFvD3/YRf8A9JbiplsUtzYoooqiRdT/AOR/8Wf9hGH/ANIbakpdT/5H/wAWf9hGH/0htqSsaH8KJpU+NhRRRWxmFNdFkQo6hlYYKkZBFOooGUrHRtM0xmbTdOtLNn4Y28CxlvrgVdooo22AKKKKBBRRRQBj6L/yFvEP/YRT/wBJbetisfRf+Qt4h/7CKf8ApLb1sVMdinuFFFFUSFFFFAGLpGj3Fh4i1y/meNotQlieIITuUKm07uPX0zUFv4cc614jnvWje01hIo1RGO4Ksexs8YHXjGa6Gio9nFqzL5mnc5TSdK8TaZaW2m+ZpEtvbbY1vWVzK0a9Mx4xuxxnf71X1fwjd3fii61KO00fUo7qKOMDVI2c2u3g7FAIYHrjKnPeuzopOmpLUFJrY42DwXdL8MX8NS3EC3XzsksYPlhvNMi8YyB0z6e9T3mh69qVvp1/cyabFrWnTM0axh2t5I2XayMT8wz1zjjA4711dFHs1/XkHM/z/Hcx7GDWZI7n+1V06BZI9kcVpvbB9WdgPy2/jTvC2lT6J4W0/Tbto3mtogjtESVJ9sgH9K1qKpRSdyW7hRRRVCCiiigArH0X/kLeIf8AsIp/6S29bFY+i/8AIW8Q/wDYRT/0lt6mW6KWzNiiiiqJCuRtyfEHxFmuM5sdBj8mP0e5cfOR/ur8v1NdaeQece9Z2h6Ja6Bp5tLNpJA0jyySykF5HY5LMQAM/h2qGm5Lsvz/AK/QpOyZLrLyx6Dfvb581baQpj+9tOK4G1k1rQfhnY67aa2rxW1rFILH7IgidDgFS3393PXd17V3FloVrY6rqV/G0ryakyGZJGyg2rtG0Y44+tY8Pw80qJkiN3qMmnxy+ammSXObZTnI+XGSAecEkVnKM27rqvu/zLjKKVn/AMOaWrza/JZo/h2CwZpIt2b2V1KMRxhVUg/iRXO+HtLg1r4cppenXElpPa3WJ3njEhW4jlDvlQwBBYcYPQ1u6l4Uh1C/kvINU1TTpZgBMLK62LJgYBKkEA4AGRg0+PwrZWuhJpWmz3mnxq5k862nKys56szHO7Oe+R09BT5W5Ntfj5/1+ArpJK5nLreraL4ntdL16a0vLa8glliubeBomQxjcwZSzZGOhBzXC6t4o0TVdHutTn1CI6leXlv5duclre2jlBC9ODjLNg9T7V6TpPhSz0vUm1GS6vdRvinlrc303mMif3VAAAH0FXda0e313TxZ3byJGJUlzEQDlGDDqDxkVLhNpa/1f/IfNFXLNle2+o2UV3ZSrNbzLujkXow9anooroMgrHtv+R21P/sHWf8A6Mua2Kx7b/kdtT/7B1n/AOjLmpluilszYoooqiQrkPFmD4y8Ii4wbX7XKSD083y/3f65rr6z9Z0Wx1/TzZ6lEXj3B0ZWKtG46MrDkEetRNNpW6NP7mXFpPXz/IyPiL5J+H2rCcKQYgEBH8e4bce+cVla7/aqeLPCg05baS/FpcAi7dlQnYm7JUE569q17fwRZrdwT6jqOqasLZw8MV/c+ZHGw6NtAGSPVs1q3Oj291rljqsjyCeySRI1UjaQ4AORjPb1FRyNvm22/C/+Y+ZJW9fxt/kct41bVz8Oro6xHZLd/aYdgtXdo8eamMlgD19q6LSG8RtcP/b0WlpDs+Q2UsjNuz33KBjGan1vR7fXtLewvHkSJ3RyYiA2VYMOoPcVoVUYtSbE3pYKKKK0ICsfWv8AkLeHv+wi/wD6S3FbFY+tf8hbw9/2EX/9JbiplsUtzYoooqiRNQUJ498WKuSBqMP3mJP/AB5W3c0tLqf/ACP/AIs/7CMP/pDbUlY0P4UTSp8bCiiitjMKparpi6tZi3e6u7Ubg3mWc5ifjtuHb2q7RSaTVmNOx5/4b0F7zW9ZjuNd1x00++EUKnUpMFdithueeTXoFc14Xtbi31vxK88EkSTagHiZ0IEi+WoypPUZHUV0tRSVoIqbvJhRRRWhAUUUUAcxZ6Nbahr3iCW4lvUZb9FAt7+eFcfZYD91HAJ564zV/wD4Riw/5+NV/wDBvdf/AByjRf8AkLeIf+win/pLb1sVnGMWti22Y/8AwjFh/wA/Gq/+De6/+OUf8IxYf8/Gq/8Ag3uv/jlbFFVyR7C5mY//AAjFh/z8ar/4N7r/AOOUf8IxYf8APxqv/g3uv/jlbFFHJHsHMzH/AOEYsP8An41X/wAG91/8co/4Riw/5+NV/wDBvdf/ABytiijkj2DmZj/8IxYf8/Gq/wDg3uv/AI5R/wAIxYf8/Gq/+De6/wDjlbFFHJHsHMzH/wCEYsP+fjVf/Bvdf/HKP+EYsP8An41X/wAG91/8crYoo5I9g5mY/wDwjFh/z8ar/wCDe6/+OUf8IxYf8/Gq/wDg3uv/AI5Wlb3Vvdoz2s8c6q5RmjcMAwOCDjuD2qajlj2C7Mf/AIRiw/5+NV/8G91/8co/4Riw/wCfjVf/AAb3X/xytiijkj2DmZj/APCMWH/Pxqv/AIN7r/45R/wjFh/z8ar/AODe6/8AjlbFFHJHsHMzH/4Riw/5+NV/8G91/wDHKytI8O2Umqa6rT6kBHfqq7dUuVJH2aA8kScnJPJycYHQCutrH0X/AJC3iH/sIp/6S29S4xutBqTsw/4Riw/5+NV/8G91/wDHKP8AhGLD/n41X/wb3X/xytiiq5I9hczMf/hGLD/n41X/AMG91/8AHKP+EYsP+fjVf/Bvdf8Axytiijkj2DmZj/8ACMWH/Pxqv/g3uv8A45R/wjFh/wA/Gq/+De6/+OVsUUckewczMf8A4Riw/wCfjVf/AAb3X/xyj/hGLD/n41X/AMG91/8AHK2KKOSPYOZmP/wjFh/z8ar/AODe6/8AjlH/AAjFh/z8ar/4N7r/AOOVsUUckewczMf/AIRiw/5+NV/8G91/8co/4Riw/wCfjVf/AAb3X/xytiijkj2DmZj/APCMWH/Pxqv/AIN7r/45WVb+HbI+MNQiM+pbVsLVgRqlyGyZLgHLeZkjgYBOBzjqc9bWPbf8jtqf/YOs/wD0Zc1LjG60GpOzD/hGLD/n41X/AMG91/8AHKP+EYsP+fjVf/Bvdf8Axytiiq5I9hczMf8A4Riw/wCfjVf/AAb3X/xyj/hGLD/n41X/AMG91/8AHK2KKOSPYOZmP/wjFh/z8ar/AODe6/8AjlH/AAjFh/z8ar/4N7r/AOOVsUUckewczMf/AIRiw/5+NV/8G91/8co/4Riw/wCfjVf/AAb3X/xytiijkj2DmZj/APCMWH/Pxqv/AIN7r/45R/wjFh/z8ar/AODe6/8AjlbFFHJHsHMzH/4Riw/5+NV/8G91/wDHKoXmjW2n694flt5b12a/dSLi/nmXH2Wc/ddyAeOuM109Y+tf8hbw9/2EX/8ASW4qZRilsNNmxRRRWhAup/8AI/8Aiz/sIw/+kNtSUup/8j/4s/7CMP8A6Q21JWND+FE0qfGwooorYzCiioLy8g0+xmvLt/LggQySPgnaoGScDmhtJXY1roieisDTvG/h7Vb6Ozs9QzcSjMaSwyReZ/u71GfwrfpJpq6BprcKKKKYgooooAx9F/5C3iH/ALCKf+ktvWxWPov/ACFvEP8A2EU/9JbetipjsU9woooqiSvfrcPptytkwW5aJhExOAHwcH868+8H2/h1b6zhvUu9L8VQ83AuJZEkum/iOSSsiscn6dMV6FeG5FlMbARG62HyhMSELY4zjnGa47UbPxB4pudNgv8AQYtKjs7tLmS7a7SU/Ic7YwoyCfU4rGS/eJ27fn36fqaL4Wi9L4t1KXVdS0/RvD0l/Np8oR3N0sUbAoGHzEfe5IwAemSRmifxzBH4KTxDBYzSjzlhktM4kRy4Rl6ckHt346VkWF9rdj4w8UtpGjpqkTXUYKC6WF0fyl5+bgr+o9DU03hXVI/AKaftjuNRm1BLydYmCqCZg7AFiOAPzxURlNq68unmv0uU1FMta5qcs3hg3HiXw75aLewCK2N7ktl1CuWQcEE/d56daual4pvbfxJNoml6JJqFylulwGFwsaAMxB3Ej5cY4xknPQYzU3jPTLvVvD4ttPi82b7VBJt3BflWRWJySOwNFtpl3H8Qb7UnixaS2EUKSbhy6uxIxnPQjtV2lzWXf/23/MnS1/63IrXxlBJ4XvdXvbOa1k0+Robq1yHZZFIG0HgNnIweOtQweJtaHiKx0vUPD8NoL1GkSX+0A+FXG4YCfeAI4zj3rE1jT7vTPBvilLuJY21LVCbZSwbzlcxgAYztJwQCenWpdMjutD8TadN4isryWa7zZ2lzLqS3IgJGdu0Rp128thjxyaiM5OUb+V/V9PvsU4xSdvP+vzJfDesxaH4Uv7mWN5nfWLiKGGPG6WRpSFUZ4H17DNbOn+Jbt9ag0zWdLWxmuo2e3eG6E6OVGWUkAFWAOehB9awZPB2oXfhGa1mtYDdQ6xJfw29wwMc6eYTtYjOAyk9fxxWroGlRxaok6eDLPRdiHNwXhMmTxhBHnjrkkj6UUue0U+y/Jfr5hPl1a7v8x+i+K9R1zUJI7bQHSzgupLae7e5UAFCRlVxlugz0wTjnFdRWB4P0y70vTLuK/i8p5L+4mQbg2UZyVPBPUVv1tTvyLm3svyM5W5nYKKKKskKx9F/5C3iH/sIp/wCktvWxWPov/IW8Q/8AYRT/ANJbepluilszYoooqiTm5fH3hyG5lt3vZjJDI0bhLKdgGBwRkJg81p6rr2m6KsJ1K58ppztijVGd5D32ooLHqO1c35uv+DdMv7l9Psr7T47ma6cw3bLMI3csTtKbcgHpntRd3Mlv4zsfEiWN5faZdaYIY3toDK8DFt+Sg+bBHcCsFUlZX30v5af56Griru235/1udTperWOtWQu9MuFnh3FSQCCrDqCDgg+xGaTVNXsNFs/tWqXK28O4ICQSWY9AAMkn2ArmfB9x9p8YeKJIrSe0hke3k8udAjbyhySueMgA88881Y8Vw3UHiDQdYjs7i+tLGSUTw28e903rhXC9Tj25qud8ikLlXM0bela7p2tpK2m3PmmFtsqMjRvGf9pWAYfiKz4vHPhufU1sItUjadpPKU7GCM/90SY2k/Q1yWq6m9x4l128sbO7s8+HZCxuIfKZ2VjtcKfmHBI5A6Vp63Z20PwTMcSKqQ6dFLHjs4CsCPfP86j2suVy6Lf72v0K5FdLv/wP8zo9Z8UaPoEkceq3ohllBZI1jaRyB32qCce9XdP1G01axjvdOuEuLeUZSRDkH/A+1cx4V/0nxr4iurgZuFS1iUnqqGLdgexJzWVb60NAj8S29m8Uc0+sGCyV2ARZHRSzHPAVeWP0x3qvaOL97z/NL8bk8qa0/rQ7Sy8QaXqGr3emWV2Jbyyx58YRvk/HGD+BrSrz/wALR6Zpfj64sbK9hmUaXCgk80EzSeY5Y9eWJJJ+tegVdNuUE35/g2iZJKVl/WgVj23/ACO2p/8AYOs//RlzWxWPbf8AI7an/wBg6z/9GXNOW6BbM2KKKKokKqTanaW+pW2nzS7bq6V2hj2k7goBbnGBjI61brldY/5KV4b/AOuF3/6CtTJ2aKSudVRXO+JtU1CK/wBL0fR5Y7a71N3H2mRN4hjRdzEL0LcjGeKp2V7rOk+LYND1bUl1KK/tpJbe5NusUkbpjKkL8pGDnOKn2ivaw+XS511FcBJ4i12TwRHFbTj/AISBbuS0kk8tTlotzMduMDKL6fxVtQ65carr+ixabNstZbJr66ACncrACNc44+Yk8Y+7RGpGW3l+Kv8AkDi1v/VtDpaKKK0ICsfWv+Qt4e/7CL/+ktxWxWPrX/IW8Pf9hF//AEluKmWxS3NiiiiqJF1P/kf/ABZ/2EYf/SG2pKTUFK+PfFgLFz/aMPzNjJ/0K29KWsaH8KJpU+NhRRRWxmFYvjH/AJEjWf8Aryl/9BNbVUtZ0/8AtbRL3T/N8n7VA8Xmbd23cMZxkZrOrFypyS7MuDSmmzhTcXXinSPD+mafo1/CbWW2nlvruAwxxLGBkoTyxPQY9a9HqvYWv2HTba037/IiSPfjG7aAM47dKsVajZt92TfRBRRRTEFFFFAGPov/ACFvEP8A2EU/9JbetiuYs9PubvXvED2+sXtiov0Bjt0hKk/ZYOfnjY5/HHHSr/8AYt//ANDPqv8A36tf/jFZxbtsW0bFFY/9i3//AEM+q/8Afq1/+MUf2Lf/APQz6r/36tf/AIxVcz7Csu5sUVj/ANi3/wD0M+q/9+rX/wCMUf2Lf/8AQz6r/wB+rX/4xRzPsFl3LtrplpZXd3c20Wya8cSTtuJ3sBtBwTxwO1W6x/7Fv/8AoZ9V/wC/Vr/8Yo/sW/8A+hn1X/v1a/8Axii9tEgt5mxRWP8A2Lf/APQz6r/36tf/AIxR/Yt//wBDPqv/AH6tf/jFHM+wWXcv6hp9pqtjJZ6jbpcW8ow8bjIP/wBf3rP0/wAJ6Lpd4l3a2jG4jXZHJPPJMYx/s72O304xS/2Lf/8AQz6r/wB+rX/4xR/Yt/8A9DPqv/fq1/8AjFLrfl/IfS1zYorH/sW//wChn1X/AL9Wv/xij+xb/wD6GfVf+/Vr/wDGKfM+wrLubFFY/wDYt/8A9DPqv/fq1/8AjFH9i3//AEM+q/8Afq1/+MUcz7BZdzYorH/sW/8A+hn1X/v1a/8Axij+xb//AKGfVf8Av1a//GKOZ9gsu5sVj6L/AMhbxD/2EU/9Jbej+xb/AP6GfVf+/Vr/APGKytI0i9fVNdC+ItSQpfqGZY7bLn7NAcnMPXBA4wMAcZyTLbutBpaPU62krI/sW/8A+hn1X/v1a/8Axij+xb//AKGfVf8Av1a//GKq77Csu5mX3hbW9Vjks9R8UyPp02RLDFZRxyun90yA/nhRWhqGkaoyW8Xh/WV0qCCLyvJazWdSB0IyQQQOOuKf/Yt//wBDPqv/AH6tf/jFH9i3/wD0M+q/9+rX/wCMVHKrbP7/APglX13Irfw0bPQL6yttSuBfXwd5tRb/AFhlYY3gDGMcYAxgAfWpLrS9XbS7K307XWtri3QLLcS2qzfaMLjLAkYOeeDS/wBi3/8A0M+q/wDfq1/+MUf2Lf8A/Qz6r/36tf8A4xTtpaz6fh8xfMj0rw2tol5Jql3Jql7foI7meVAgKAEBFUcKvJ49STmshPAl29nBpV/4hmutDgZdtkbZFdlUgqjSg5KggdhW3/Yt/wD9DPqv/fq1/wDjFH9i3/8A0M+q/wDfq1/+MUuVdv6+8d33KmpeGbyTWpNV0HWDpVxPEsVwptlmSULnadpIwwzjOelSad4O0q00r7HfW8WqM8zXM017Cshklb7z4IwPTjtU/wDYt/8A9DPqv/fq1/8AjFH9i3//AEM+q/8Afq1/+MUKKX2f6+8LvuVLLwTpVh4pk1i2s7ONTAkcUEdoiiJwSTIpHQkHHAHTrXR1j/2Lf/8AQz6r/wB+rX/4xR/Yt/8A9DPqv/fq1/8AjFVH3VZIl6u7ZsVj23/I7an/ANg6z/8ARlzR/Yt//wBDPqv/AH6tf/jFZVvpF6fGGoIPEWpBlsLUmQR225gZLjAP7nGBg4wM/Mck8YTbutBpaPU62isf+xb/AP6GfVf+/Vr/APGKP7Fv/wDoZ9V/79Wv/wAYquZ9hWXc2K5/X/Dt7qmr6fqWmaqun3FikiKXtRMGDgA8FhjpVj+xb/8A6GfVf+/Vr/8AGKP7Fv8A/oZ9V/79Wv8A8YqZe9uv6+8a02ZQuvC2o39pbvfa6TqtnOZbS+gtFjEYK7SrRkkMDz3H+M2leGri31o6vrWqNql8sRhhYQiGOFCcnagJ5Pck1Z/sW/8A+hn1X/v1a/8Axij+xb//AKGfVf8Av1a//GKSik72/rbuO7atcgt/C62/i+fWhdZilBYWvlDCysqqz7s91UDGO5o8NeGB4eku2N39qMxCRZi2eTEpYrH1Ocbjzx9Kn/sW/wD+hn1X/v1a/wDxij+xb/8A6GfVf+/Vr/8AGKFFLaP9feJtvqbFFY/9i3//AEM+q/8Afq1/+MUf2Lf/APQz6r/36tf/AIxV8z7Csu5sVj61/wAhbw9/2EX/APSW4o/sW/8A+hn1X/v1a/8AxiqF5p9zaa94fe41i9vlN+4EdwkIUH7LPz8kanP4456VMm7bDSOnooorQgXU/wDkf/Fn/YRh/wDSG2pKXU/+R/8AFn/YRh/9IbakrGh/CiaVPjYUUUVsZhRRWL4g1i40m50eO3SNhfX6W0nmAnCkMSRgjnj3pNpf13Glc2qKxfFOsXGiaZBc2iRu8l3DARKCRtdwpPBHODW1Qmm2uwWsFFFFMQUUUUAY+i/8hbxD/wBhFP8A0lt62Kx9F/5C3iH/ALCKf+ktvWxUx2Ke4UUUVRIUUUUAFFcf4ohmv/Geg6aNQvrO3niuWkFnctCWKhSMkdaraXrMnh3UfEdle391qun6TBHcrJKwkmj3KS0ZbjceMjJrL2qT18/wNOTTQ7miszUddttMtbGedJmW+uIreMIASGk6E5PT161S1PxhZ6brT6SLK/vL5YVmWG0hDl1JI45GMY5zgcjGScVcpRjv6fqSk3sdBRXIL8SdIlsTd21lqlxHEM3flWhP2PBwRJkgAjnIGeBmtXVfFOm6RaWF1cNLJBfuEgeGMvuJUsvA5OcYGATkil7SLV7hys2qKwtH8V2uranLpzWd9p97HGJRBfQ+W0kecblwTkZ4rdqk01dCas7MKKKKYgooooAKx9F/5C3iH/sIp/6S29bFY+i/8hbxD/2EU/8ASW3qZbopbM2KKKKokKKpNrOlpqAsH1K0W8JwLYzqJD/wHOalvL+z06DztQu4LWLOPMnkCLn6mldWuOzLFFQWt5bX9us9jcRXMLfdkhcOp/EcVK7rFGzyMqIoyzMcAD1JpgOoqlY6xpmqM40zUbS8Mf3xbzrJt+uCcVP9rtvtn2T7RF9p2eZ5O8b9ucbtvXGe9F0BNRVe8v7TTrfz9QuobWHOPMnkCLn0yeKgbXNJTT1vn1SyWzZtq3BuEEZPoGzjNLmQWZforMtfEmh31ylvZazp9xO/3IorpHZu/ABya06aaewbBWPbf8jtqf8A2DrP/wBGXNbFY9t/yO2p/wDYOs//AEZc1Mt0NbM2KKKKokKKKhiureaeaGGeOSWAgSojgtGSMgMO2RzzQMmoqBb21aWeJbmEyW4BmQSDMWRkbh2455p1vcwXduk9pNHPDIMpJEwZWHqCODRcCWiq99e2+m2E97eyeVbwIZJH2k7VHU4HJqWGVJ4UliO5JFDKcYyCMii/QB9FFFAgrH1r/kLeHv8AsIv/AOktxWxWPrX/ACFvD3/YRf8A9JbiplsUtzYoooqiRdT/AOR/8Wf9hGH/ANIbakpdT/5H/wAWf9hGH/0htqSsaH8KJpU+NhRRRWxmFcn49kFpDouozBvstlqkUtw4GfLTDLuPsCRXWU10WRCjqGVhgqRkEVMotrTyf3O5SdjjPGGq2GsW+l6ZpV7b3l3c39vIkcEgchFfcznGcKADzXa1SsdG0zTGZtN060s2fhjbwLGW+uBV2iMWrt9QbvsFFFFUSFFFFAGPov8AyFvEP/YRT/0lt62Kx9F/5C3iH/sIp/6S29bFTHYp7hRRRVEhRRRQBx/ijQU1zxnoKXlrPNYpFc+a8bOiocLty6kYyR681c1Lwta23gnVNI8PWccDXNvIFUHmRyv8THkn3JrpKKydKLi13v8AiWptNPsed6jqOoa7Z6BbQeHtVgNpqFq91JcW5RU2nBx1LDqcjgDqa37W1uF+JmoXTQSC3fTYUWYodjMHYkA9M89K6WiqUPe5m+t/wsK+ll/WtzjdNsbqLwp4oha1mSSe8vWhjMZBkDZ2lR3B7Y61laq11pvh3wIfsM01zbzwhrUYSQkQHK4bHI54OPSvR6z9S0e31S6sJ7h5FawuPtEQQgBm2lcHIPGD2xUezaSS/u/+Ssrnu3fz/E57T5LrxD44ttXXS7ywsrC0kh330XlPLI5HAU87QB19TXY0UVpGPKrEt3dwoooqiQooooAKx9F/5C3iH/sIp/6S29bFY+i/8hbxD/2EU/8ASW3qZbopbM2KKKKok4Dx3omj23hwaZpmm241XULlRZiOMeaZNwZpN3XAGct2FTeLmGmeI9D1CaAau0cbwLp4XfMxOCZo1xyRjnOOO9Ja6L4yttcutVlTQru7mJSOSaeb9xF2jQBMKO57k9TWne6JrA8QW2v6a1i199iFpc21wziMjduyjgEjnPUciuVRbV0ra/cv639fI3ulp/X9f11Knw/aC5bWdRgEVs15dBn05FKtaELtw6kDDtjJ4x7mjx5NJLe6FpSWbX0V5dM8tqHCCYRpuCsTxtzgnr93oelWbTQdah/trU2urOHWtRhVIfJUmGAopCcsMtyeSR+FSazoWq6jpuk3FveW661prrKJZEPkyvt2uCByFOT0qrP2ajba35/8C9vkSmudv1/ITR9UA8QPpOoaJBpN+bXzYXt5FkWSIEAgNtUggnoR71maZo9ro3xUjitTJI8mjvJNPM5eSZ/OUbmY9Tx9B2xWppOh6o/iJ9d8RTWhult/s1vBZhjHGhbJJZuSTx2GKzTpPjQ+Kl1sx6DvW1Nr5fnzYKlw2fudeKaTvFta6/dr/wAANLSS8v0Ir2W6v/iRerDo8eqnTLaJYFuJxHFAXyzPyGO44ABC9F6itzQLuw17T7mKbSYbSW1uWiurN1R1SUAEnIGGyD97FV9S0XW7fxLJrXhuawL3VusNzb328KdudrqygnPOMEdKn0TQr3RdI1BvtENzq19LJcySEFIvNYYAHUhRgDuaUVJXuu/56W+QSs7W8vy1/Ey9JsrTVPiJd3tnaQRWeiIbWJoowoe4cZkPH90YX8a7Wsfwvoh8P+H4LKWQTXGTJczD/lpKxyze/J/ICtitoR5YpMiTu7hWPbf8jtqf/YOs/wD0Zc1sVj23/I7an/2DrP8A9GXNEt0C2ZsUUUVRIVwFlryaP458Tq+naleeZNAc2Vo0wXEQ6kdK7+sXSNHuLDxFrl/M8bRahLE8QQncoVNp3cevpms5JuSsXFpJ3MDwvfrqHibxddi1nhVhb/ubyExvxERhlPODj8qfpviO8fwz4bh0uzsLa71ZWCLsKW8AVSzYQHJ4HC5H1rXstDubbX/EF87xGLUxEIQCdy7Y9p3ccc+ma43VNFmtIPCPhy6urRLiCKVmad3EDEAAFWVkYuM8YI6msXzxil6fnqaaSf8AXZF3UtV1u+8NeMLLWn08/wBn27Rj7HE67iybgcsx7HkY4Perlpr3iLSoNDk1Wz09dNvnhtRHDI7Tws64Vix+U9OQB+NUtOtJbrT/ABD4QsotMEhtd4vLN3KM8mRiUsWbfxnq3FdHq+gXWoaVottDJCr2F3bTyl2IDLH94Lx19M4pwUr8y/u/m7ilbZ+f5Kx0VFFFdJiFY+tf8hbw9/2EX/8ASW4rYrH1r/kLeHv+wi//AKS3FTLYpbmxRRRVEiagGHj3xZ5hDN/aMOSowP8Ajytu1LS6n/yP/iz/ALCMP/pDbUlY0P4UTSp8bCiiitjMKKKparo9hrdmLXVbVLmAMH2PnGR0PH1pO9tBq3Uu0V514W8G+Hpde1/zNLhb7FqAW3yT+7ARWwOfU5r0WphJyipMckk7IKKKKskKKKKAOYs4dXk17xAdNvrK3i+3oCtxZvKxb7LBzkSrxjHGPxq/9m8Sf9BbSv8AwVyf/JFGi/8AIW8Q/wDYRT/0lt62KzjFWLbMf7N4k/6C2lf+CuT/AOSKPs3iT/oLaV/4K5P/AJIrYoquVCuzH+zeJP8AoLaV/wCCuT/5Io+zeJP+gtpX/grk/wDkitiijlQXZj/ZvEn/AEFtK/8ABXJ/8kUfZvEn/QW0r/wVyf8AyRWxRRyoLsx/s3iT/oLaV/4K5P8A5Io+zeJP+gtpX/grk/8AkitiijlQXZj/AGbxJ/0FtK/8Fcn/AMkUfZvEn/QW0r/wVyf/ACRWxRRyoLsx/s3iT/oLaV/4K5P/AJIo+zeJP+gtpX/grk/+SK2KKOVBdmP9m8Sf9BbSv/BXJ/8AJFH2bxJ/0FtK/wDBXJ/8kVsUUcqC7Mf7N4k/6C2lf+CuT/5Io+zeJP8AoLaV/wCCuT/5IrYoo5UF2Y/2bxJ/0FtK/wDBXJ/8kVlaRb+IDqmu+Xqemqwv1EhbTpCGb7NByB54wMYGOeQTnnA62sfRf+Qt4h/7CKf+ktvUuKuhp6MPs3iT/oLaV/4K5P8A5Io+zeJP+gtpX/grk/8Akitiiq5UK7Mf7N4k/wCgtpX/AIK5P/kij7N4k/6C2lf+CuT/AOSK2KKOVBdmP9m8Sf8AQW0r/wAFcn/yRR9m8Sf9BbSv/BXJ/wDJFbFFHKguzH+zeJP+gtpX/grk/wDkij7N4k/6C2lf+CuT/wCSK2KKOVBdmP8AZvEn/QW0r/wVyf8AyRR9m8Sf9BbSv/BXJ/8AJFbFFHKguzH+zeJP+gtpX/grk/8Akij7N4k/6C2lf+CuT/5IrYoo5UF2Y/2bxJ/0FtK/8Fcn/wAkVlW9v4g/4TDUAup6aJRYWpZjp0m0r5lxgAefwQd2Tk5yOBjnrax7b/kdtT/7B1n/AOjLmpcVdDT0YfZvEn/QW0r/AMFcn/yRR9m8Sf8AQW0r/wAFcn/yRWxRVcqFdmP9m8Sf9BbSv/BXJ/8AJFH2bxJ/0FtK/wDBXJ/8kVsUUcqC7Mf7N4k/6C2lf+CuT/5Iqte6Lq+pQCHUbrQ7uIHcEn0d3XPrgz10NFDgnuHMzn7LR9Y0638jT7vQ7SHOfLg0d0XPrgT1Y+zeJP8AoLaV/wCCuT/5IrYoo5UF2Y/2bxJ/0FtK/wDBXJ/8kUfZvEn/AEFtK/8ABXJ/8kVsUUcqC7Mf7N4k/wCgtpX/AIK5P/kiqF5Dq8eveHzqV9ZXEX29wFt7N4mDfZZ+cmVuMZ4x+NdPWPrX/IW8Pf8AYRf/ANJbiplFWGmbFFFFaEC6n/yP/iz/ALCMP/pDbUlLqf8AyP8A4s/7CMP/AKQ21JWND+FE0qfGwooorYzCiiigDA8O6Zd2Gr6/PdReXHeXwlgbcDvXy1GeDxyD1rfoopRiopJDbu7hRRRTEFFFFAGPov8AyFvEP/YRT/0lt62Kx9F/5C3iH/sIp/6S29bFTHYp7hRRRVEhRRRQAyVisLsvBCkisXwXqN1q3g3Tr7UJfOuZoyZH2hcncR0AA7Vsz/8AHvJ/uH+VcH4A8X6DB4V0nSpdThW+x5XkHO7cXOB0x3FZ8yU7Nl2bjc6NvGegLei1OoDeZfJ8zyn8rzP7vmY2Z9s1Z1XxHpOiTRxareLbPKjSIrKx3hSAcYHJyRx1PYV5h4m8R3+r+Fb9LrVra0mVyr6JFYM0sYWQYLvn5ex3Yx6da7XU40k+Jnh0yIrFbK5ZSwzg/JyPfmsoVZSS/rp6/qXKCj/Xp/mWj8QPC4sRdf2tGY9zIUEbmQFeuY9u4AepGK1Jtd0y30mLU5byMWMxQJOMlTuIC8jpyevbvWH4ftoF8c+LJFhQOZLcFtoyQYgSM/XmuTkKr8DrbfEZUW+GYlXcWAuj8oHfjjFP2kkrv+tbByL+vS532meL9C1jUTYadqKTXIUuE2Mu9R3UkAMPoTW1XB3esaf4p8WeH49A3zy6fcPNdSCFk+zR7CuxsgYJOBt9q7ytacnJXf8AX9foZyVmFFFFWSFFFFABWPov/IW8Q/8AYRT/ANJbetisfRf+Qt4h/wCwin/pLb1Mt0UtmbFFFFUSFFQ3Uc0tnNHazC3mZCI5Sm/Y2OG298elch4Rsf7O8c+Jbc3E90yx2haa4fc7kq5JPp9BgDtUuTUkire62drRTZE8yNk3Mm4EblPI9xXmFzaeHYfE+jweDrkya4L0G6mW5d2aIf63zWJwc46dc9KUp8rS7go3TZ6jRXA+I9N0qfxxNc+ItFu7+0+wRLFJFZyzKjB3LZKDjgitu11fQtI8Ei/0EI+nRgi3ihz87s2AgB5BLHGD60lU0bfT/OxTjskdHRXAeEdOuNO+IGo/2hJ5t9c6dFcXTZ48xpGyB7AAKPYVm2+n+FLSS+m8XaLcRTvqE5N5cWcwiKtKdh8wDbggjmpVR6XVr369nYORa28vxVz1GimoVZFKEFSMgg8EU6tjMKx7b/kdtT/7B1n/AOjLmtise2/5HbU/+wdZ/wDoy5qZbopbM2KKKKokKKK5Txjc3NxqWiaBa3MtquqTv58sLbX8qNdzKD2zwM1Mpcq0KSudXRXA+JfCem+GNAuNb8Mxtpt/YKJRJHK5EqgjKOCfmBGetV/Gc+iXXiLwxceJhEunS207uJs7QSqEdPes3Vto9/Xvf/JlKF9j0aivNvESeGV+Ft+3hkQDT2uovNMWdpbzEznPPTFbPhNPA51SRvCQtDeLEd5h3ZCZGevvinGpeXL+onG0bnYUUUVqQFY+tf8AIW8Pf9hF/wD0luK2Kx9a/wCQt4e/7CL/APpLcVMtilubFFFFUSLqf/I/+LP+wjD/AOkNtSVp6p4P8V3Hi7Xb/TLfRpba+uo5V+0ahLE64toYyCBAw6x5znvUP/CG+N/+fDw//wCDef8A+Ra4qOIpRppNnROlNybSKVFXf+EN8b/8+Hh//wAG8/8A8i0f8Ib43/58PD//AIN5/wD5FrX61R7/AJk+xn2KVFXf+EN8b/8APh4f/wDBvP8A/ItH/CG+N/8Anw8P/wDg3n/+RaPrVHv+Yexn2KVFXf8AhDfG/wDz4eH/APwbz/8AyLR/whvjf/nw8P8A/g3n/wDkWj61R7/mHsZ9ilRV3/hDfG//AD4eH/8Awbz/APyLR/whvjf/AJ8PD/8A4N5//kWj61R7/mHsZ9ilRV3/AIQ3xv8A8+Hh/wD8G8//AMi0f8Ib43/58PD/AP4N5/8A5Fo+tUe/5h7GfY5rRf8AkLeIf+win/pLb1sUmn+AvG1tfapKLTQHN1dLKR/asw2YhjTH/Htz9zOeOuO2Te/4Q3xv/wA+Hh//AMG8/wD8i1McTSS3/MbpT7FKirv/AAhvjf8A58PD/wD4N5//AJFo/wCEN8b/APPh4f8A/BvP/wDItV9ao9/zF7GfYpUVd/4Q3xv/AM+Hh/8A8G8//wAi0f8ACG+N/wDnw8P/APg3n/8AkWj61R7/AJh7GfYpUVd/4Q3xv/z4eH//AAbz/wDyLR/whvjf/nw8P/8Ag3n/APkWj61R7/mHsZ9ilRV3/hDfG/8Az4eH/wDwbz//ACLR/wAIb43/AOfDw/8A+Def/wCRaPrVHv8AmHsZ9ilWV4i0X+39JFl9o+z4nil37N33HDYxkdcYrov+EN8b/wDPh4f/APBvP/8AItH/AAhvjf8A58PD/wD4N5//AJFpPE0Xu/zD2VRdClRV3/hDfG//AD4eH/8Awbz/APyLR/whvjf/AJ8PD/8A4N5//kWn9ao9/wAw9jPsUqKu/wDCG+N/+fDw/wD+Def/AORaP+EN8b/8+Hh//wAG8/8A8i0fWqPf8w9jPsUqKu/8Ib43/wCfDw//AODef/5Fo/4Q3xv/AM+Hh/8A8G8//wAi0fWqPf8AMPYz7FKsfRf+Qt4h/wCwin/pLb10v/CG+N/+fDw//wCDef8A+Rao6f4C8bW19qkotNAc3V0spH9qzDZiGNMf8e3P3M54647ZMvE0rrX8xqlPsLRV3/hDfG//AD4eH/8Awbz/APyLR/whvjf/AJ8PD/8A4N5//kWq+tUe/wCYvYz7GbcySRWsskEJnlRCyRBgpcgcLk8DPqa4vRm8RweMtR1G68MTRW+peQhb7bA3khAQWIDc9c4HpXo3/CG+N/8Anw8P/wDg3n/+RaP+EN8b/wDPh4f/APBvP/8AItQ69FyT5tv67DVOaTVtznIZ9ckvdWjltbWKCML/AGdKzE+aSvO8AkgBvYcfnXNa1aeJfFUFtp9zoMGlmK4SVtQa8SXy9rA5jAG7JHrj0969I/4Q3xv/AM+Hh/8A8G8//wAi0f8ACG+N/wDnw8P/APg3n/8AkWk61F2vL+vuH7Oa6HLapquu2d28WneHDqMWAUmW+jjBOOjBsEc+mf6Vi6f4CebRY01a+ntLw6hJqJOnSBVjkfoAWU5wO+Oua9D/AOEN8b/8+Hh//wAG8/8A8i0f8Ib43/58PD//AIN5/wD5Fo9tQbu5X/4e/byQezqJWSPPNL8H39j49l1CTVNUntFtYws01xGxmYM2Y3AXO0Ag9B161Jrc3ijW9Mu9Hj8NxWwukaFrya+R4kU8FgoG48dBgV3/APwhvjf/AJ8PD/8A4N5//kWj/hDfG/8Az4eH/wDwbz//ACLS9rQ5eTm01/H5D5Kl+a2pk6dZjTtLtbJXLi3hSIMR97aAM/pVmrv/AAhvjf8A58PD/wD4N5//AJFo/wCEN8b/APPh4f8A/BvP/wDIta/WqT6/mZ+xmuhSrHtv+R21P/sHWf8A6Mua6X/hDfG//Ph4f/8ABvP/APItUYvAXjZPEF3efZNAJmtYIin9qzfLseU5z9m5zv6Y4x3zxLxNK61/MpUp9haKu/8ACG+N/wDnw8P/APg3n/8AkWj/AIQ3xv8A8+Hh/wD8G8//AMi1X1qj3/MXsZ9ilXPeK9GvdQOn6ho7Rf2hpk/nRRzHCSqRhkJ7ZHeuu/4Q3xv/AM+Hh/8A8G8//wAi0f8ACG+N/wDnw8P/APg3n/8AkWpliKMla41SqJ7Hn2px+JvFdl/ZF1oyaLZzMv2u4kvEmZkByVjCdzjGTjjtWnf6TcyeNNCvbaHNnZwXCSvuA2blUKMZyenauu/4Q3xv/wA+Hh//AMG8/wD8i0f8Ib43/wCfDw//AODef/5FqVWo7839fcP2dTscl410y71fwvLaafF507TQsE3BchZFJ5JA6A10FXf+EN8b/wDPh4f/APBvP/8AItH/AAhvjf8A58PD/wD4N5//AJFqliKKbdyfZVLbFKirv/CG+N/+fDw//wCDef8A+RaP+EN8b/8APh4f/wDBvP8A/ItV9ao9/wAw9jPsUqx9a/5C3h7/ALCL/wDpLcV0v/CG+N/+fDw//wCDef8A+Rao6h4C8bXN9pcptNAQ2t00oH9qzHfmGRMf8e3H38556Y75EyxNJrf8xqlPsLRV3/hDfG//AD4eH/8Awbz/APyLRVfWqPf8xexn2P/Z)Chart

Description automatically generated

Fig 8 Temperature Fuzzy input

Chart, diagram, venn diagram

Description automatically generatedChart, diagram

Description automatically generated

Fig 9 Rule 77 Sprinkler Output Fig 10 Rule 77 Cooling-fan Output

![Text

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAkACQAAD/4RD4RXhpZgAATU0AKgAAAAgABAE7AAIAAAAPAAAISodpAAQAAAABAAAIWpydAAEAAAAeAAAQ0uocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEFiaGlqaXRoIFNoYWppAAAABZADAAIAAAAUAAAQqJAEAAIAAAAUAAAQvJKRAAIAAAADOTcAAJKSAAIAAAADOTcAAOocAAcAAAgMAAAInAAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADIwMjE6MDU6MDYgMjE6MzU6MzcAMjAyMTowNTowNiAyMTozNTozNwAAAEEAYgBoAGkAagBpAHQAaAAgAFMAaABhAGoAaQAAAP/hCyFodHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLjAvADw/eHBhY2tldCBiZWdpbj0n77u/JyBpZD0nVzVNME1wQ2VoaUh6cmVTek5UY3prYzlkJz8+DQo8eDp4bXBtZXRhIHhtbG5zOng9ImFkb2JlOm5zOm1ldGEvIj48cmRmOlJERiB4bWxuczpyZGY9Imh0dHA6Ly93d3cudzMub3JnLzE5OTkvMDIvMjItcmRmLXN5bnRheC1ucyMiPjxyZGY6RGVzY3JpcHRpb24gcmRmOmFib3V0PSJ1dWlkOmZhZjViZGQ1LWJhM2QtMTFkYS1hZDMxLWQzM2Q3NTE4MmYxYiIgeG1sbnM6ZGM9Imh0dHA6Ly9wdXJsLm9yZy9kYy9lbGVtZW50cy8xLjEvIi8+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczp4bXA9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8iPjx4bXA6Q3JlYXRlRGF0ZT4yMDIxLTA1LTA2VDIxOjM1OjM3Ljk3MjwveG1wOkNyZWF0ZURhdGU+PC9yZGY6RGVzY3JpcHRpb24+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iPjxkYzpjcmVhdG9yPjxyZGY6U2VxIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpsaT5BYmhpaml0aCBTaGFqaTwvcmRmOmxpPjwvcmRmOlNlcT4NCgkJCTwvZGM6Y3JlYXRvcj48L3JkZjpEZXNjcmlwdGlvbj48L3JkZjpSREY+PC94OnhtcG1ldGE+DQogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgIDw/eHBhY2tldCBlbmQ9J3cnPz7/2wBDAAcFBQYFBAcGBQYIBwcIChELCgkJChUPEAwRGBUaGRgVGBcbHichGx0lHRcYIi4iJSgpKywrGiAvMy8qMicqKyr/2wBDAQcICAoJChQLCxQqHBgcKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKir/wAARCAE5A5oDASIAAhEBAxEB/8QAHwAAAQUBAQEBAQEAAAAAAAAAAAECAwQFBgcICQoL/8QAtRAAAgEDAwIEAwUFBAQAAAF9AQIDAAQRBRIhMUEGE1FhByJxFDKBkaEII0KxwRVS0fAkM2JyggkKFhcYGRolJicoKSo0NTY3ODk6Q0RFRkdISUpTVFVWV1hZWmNkZWZnaGlqc3R1dnd4eXqDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uHi4+Tl5ufo6erx8vP09fb3+Pn6/8QAHwEAAwEBAQEBAQEBAQAAAAAAAAECAwQFBgcICQoL/8QAtREAAgECBAQDBAcFBAQAAQJ3AAECAxEEBSExBhJBUQdhcRMiMoEIFEKRobHBCSMzUvAVYnLRChYkNOEl8RcYGRomJygpKjU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6goOEhYaHiImKkpOUlZaXmJmaoqOkpaanqKmqsrO0tba3uLm6wsPExcbHyMnK0tPU1dbX2Nna4uPk5ebn6Onq8vP09fb3+Pn6/9oADAMBAAIRAxEAPwD6Aq3a/wCqP+9VSrVtnyWx1zSeiAnorzWzs/GC6h4bsdZ8X6vbXeo2k8t9FHBYERSxiM7UP2cjGXPdu3NdFa63feH/AAvpqeJUutR1u4ZoUt7aONprlwWPAXbGPkGSSVUdyOlU9A6nUUVg2fin7VNPaT6NqVlqcUDXEen3Ih8y4QYGY3WQxHkgEbxgkbsAgnGs/ifa30No8PhvX91+zJZIbeLNzIh+dAfMwu0Anc5VCAcMaQHb0VyF18R9OtLTSbptM1WS31WR4IXihRilwu/MDIH378xsuQpXI+9jmtXTPEn22+Wy1DSNQ0a6kUvDHfeUfOA+9taKR1yP7pIOOcYBNG4G1RXMN43R3nlsNB1nUNOt3ZJNRtYYzFlSQ5VGkEsgBBGURs44zVzWfFFvpPhU+IbazudVsFh+0s1i0WRDsLmT946ArgdASeRgUdLjs27G3RWBpni2PVb23S10jVfsV0pMGpNAv2eQ7d3Zt6gjOHZQh7McjKat4qk0Z7iS78Pas2n2wLTahEIHjRAMltgl80geyE0PTcS12OgorlPH3iK/0Pwi9/odndXcj7CtxbGArEC68sJHXIYEgYDfh1rW0vWL7UHlF34c1PSxGu5Wu5LZhIf7q+VM/P1wPejyA1aK5yDxf9p8M3WrwaHqbNZzyQT2ObcTo0bEOcmXyyBgnhzntUmpeLItP8Gp4lj0y+vbNrYXbx2/lCSKIx7y7B5FHA6gEnPQGjpf+tQ3dv60N+isDTPFseq3tulrpGq/YrpSYNSaBfs8h27uzb1BGcOyhD2Y5Ga7eN0d55bDQdZ1DTrd2STUbWGMxZUkOVRpBLIAQRlEbOOM0PTcFrsdPRUNpdwX9lBd2cqzW9xGssUiHIdWGQR7EGpqNgCiuV+IGo3dtotnpmmTvb3ut30WnRXEbENAr5MkikcgiNXIPY4rc1DT57zT1trPVbzTHUjFxbCJ5CAOh81HBz64z70dL/1/WodbF6iuQ+H66teaNHqureItQ1JpWni+zzw2yRrsmZQw8uJWzhO7Y5PHTEUXxKhnivng8Na9L/ZsrxagI4oG+yFcE5xLh+DnEe9sdQMjJpewK7O0oqK2uYby0hubWQSQzIskbr0ZSMg/kaloaa0YJ31QUVwmn+M9dk8Va5aP4T1q5gtmgEMMcliDDuTJyTcDO48jk49ulWfHN82myeGtV/4mUTjU0he1tZZCZVeN/wB20SNsc7gvJyB1yBk0LW3qHf5/gdlRWLpHiRNS1GXTrvTb7SdQjiE32W9WMl4843q0buhGeCA2RxkDIzSbxujvPLYaDrOoadbuySajawxmLKkhyqNIJZACCMojZxxmgDp6KhtLuC/soLuzlWa3uI1likQ5DqwyCPYg1NRsAUVy0/juKDxDdaE2has+pQxrNDbxrCxuoizKJEIlwq5Q5MhTGR3IFaia3LNoSajBo2pPKxKmwaNI51YEgg73VOCDyG2kYIJBBo6XHbWxq0Vj6P4iTVb24sbjT73S7+3jWV7S9CbjGxIVw0bujAlSOGJGOQOKw4viVDPFfPB4a16X+zZXi1ARxQN9kK4JziXD8HOI97Y6gZGQLM7Sism+8R2lpZWc9tHNqEl+AbO3tApkuBt3ZXcVUDHJZiAMjJ5FZ1j43jvfE8Xh9tD1a11BoDczpOsIW2jzgMzCQhgTwPL385zjBw7O9ibq1zp6K5hvG6O88thoOs6hp1u7JJqNrDGYsqSHKo0glkAIIyiNnHGa6G0u4L+ygu7OVZre4jWWKRDkOrDII9iDS6XGTUUVz7+K98z/ANmaJqmp2kcjxy3tqIfKRkJDgB5Fd8EEfIrcggZIxQB0FFYmreIDD4TfWdDtJtXV4TJELVoxxtJ3nzHQYGORnPtXN/D2Ca7t9P1HUNO8TxXUtms8l7qOsCW2nd1BO2BLllXO4kDy1AA7HAoWra7f8H/IHol5nf0UUUAFFFclqkd1Z+PPDpGqX0sd3cXIeBpAsQUQMwXagAYAgEFtzD1oEzraKwfFd7PBBptha3DW0mq3yWnnJ95E2vI+30YrGwB7E57VS02NvD3jaLRLe6vLixv7CW7Rb27kuXhkieNTiSRmbawlHBJAK8YyaFr/AF2VxvT+vOx1dFFct8Qtf1Lw94Vlu9Hsbq4n3KPOt/JxB86j5hK65yCQMBvfHWjYDqaKy9J1e91GWRLzw9qWkqi5V7yS2YOfQeVM5z9QKpv4r3zP/ZmiapqdpHI8ct7aiHykZCQ4AeRXfBBHyK3IIGSMUAdBRUFle22pWMN5YzLPbzoHjkXowNT0AFFeXyXejTeLvEy+I9Q8R5t9QSOIWF3qKw28X2aFvm+ztsjG5nOWx354rrvEd+0en6TZabdmIatdx2iXUb72EZRpGZW55KRkBuxYHmhJtJ97fiN6N/P8DoqK5TTY28PeNotEt7q8uLG/sJbtFvbuS5eGSJ41OJJGZtrCUcEkArxjJrq6Ol/67C62Cis/V9Zh0iKLdBPd3Fw+y3tLZQ0kzYyQMkKAAMlmIA7muQtdbkvfizpsL22s6VPJpt01zYXs5MbBWh8t1VJHhJ+ZxlTu7N2oWrt/W1wO/ormG8bo7zy2Gg6zqGnW7skmo2sMZiypIcqjSCWQAgjKI2ccZrQvPEtlb6fZXNmsupNqChrKCz2l7kFd2V3FVA287mIAyMnkUdLga9FcxY+N473xPF4fbQ9WtdQaA3M6TrCFto84DMwkIYE8Dy9/Oc4wcNn8dxQeIbrQm0LVn1KGNZobeNYWN1EWZRIhEuFXKHJkKYyO5AoA6misC48W29tpFndyabqX2u9kaGDTPs4Fy8i53LgkKAApO8tsxghiCCZtJ8SJqOoPp95pt9pN+sZmW1vljzJGCAXVo3dGAJAIDZGRkDIyAbNFcw3jdHeeWw0HWdQ063dkk1G1hjMWVJDlUaQSyAEEZRGzjjNdDaXcF/ZQXdnKs1vcRrLFIhyHVhkEexBo6XAmoornJ/GA+1XEelaFq2sQ2sjRXFzZJCI43X7yjzJEaQjodgbBBX7wIoA6OiubTxxp83hzTtWtbS/nbU2KWdikI+0SsN2RtJAXAUklmAHcg8Vb0nxImo6g+n3mm32k36xmZbW+WPMkYIBdWjd0YAkAgNkZGQMjIHS5s0Vx+qWQ0/4ieH7m1u9QU381wtxC+oTvA4EDEYhZzGuCAeFFb2u67beH7GO4uo5p2mmS3gggUF5pXOFQZIAJ9WIHqaANKisHTPFX27XV0e80bUtLvWtnugl4IipjV1U4aOR1Jy44ByO+OM0r7Ui/xB0e2urTXbIKbiO3kSeAWV4fL3HzEWQyHaFO3KjBzQD0OrorK1XXk0jU9MtJrG6lTUp/s6XMXl+XFJtLAOC4bkKeVU9OcUyDxCsviqbQZtOvLaZLc3MdxKYjFOgYKSu1yw5YcMq0LX+uwPTc2KK5mbxrGLu+Sx0PVtRttPlaG7vLZIfLidRll2vIsjkAj7iN14zS61PceI/hy+o+Hri4srqezS/sX37GDhRKivg4IOArLyCCRzSukuboNJt2OlorN8O61D4j8M6drNqNsV9bJOqn+HcoOPw6VpVTTTsyU01dBRWbq+v2eiGL7ZDqEnm52/YtNuLvGMdfJRtvXvjNVbDxdpuo30dpb22spJISFa40S8gQcZ5eSIKvTuRS32HsblFFZ2tabc6rZx2ttqM2nxtKDcPbjEkkeDlFfPyEnHzDnAOME5ABo0VyGgZ0/wAcX+j6ZfXt9pkFmklwLu6e5+yXBb5UEshZyWQlirMdoCkYDVz0l3o03i7xMviPUPEebfUEjiFhd6isNvF9mhb5vs7bIxuZzlsd+eKFrt2/W39eQ7b/ANeZ6hRUdu0b20TW8gkiKAo4ffuXHB3d+O/epKBBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAGdVu1/wBUf96qlW7X/VH/AHqAOS1y41n/AITzS7u08K6peWmnx3Eb3EU1oqyeaI8FQ86tgbTnIB9AateM/DcmsXGm6jAl1PJpzS7ra1v5LOSZJFAIWSNlIYFVIBYKeQccEdTRR0sBwui6P9m1RdWTwx4gims4ZRGNV183UrFgPlijNxJH82MEsyYwPwoaDpmvWtn4Qa68PXkT6bd3CXUZnti0aSI4EvEpBUFxkAluD8p4z6TRR1FY8pmt9a06LwvaHSWivbbxJeSxJczR7LpHS6lBVkZtuVbA3AEHtjmuviXUvEOu6bd3ujXWjW2lyPOBdzQtJPI0bRgAQu42gOxJJByAMd6u634T0rxDd2tzqf27zbMkwNbajcW3lkggsBE6jdhiM9cEjpWxFGIokjUsVRQoLsWOB6k8k+5oWxUnd/L9X/meaWng+TQYV019H8UalHGzCK703xLLDEULEruja6j2EAjIRSOMj0rY13S7yw+Fc/h/RPD1xPNcafLZx21reJItuXRgC0s7oWXJ68n2rtaKXSwJtS5jG8P6jfXduIL/AEDUNJMESgPdyW7LIcYIXypXPbuBXA6r4f8AEmo6Tq1pe6Rr19q86XCR3g8QfZrBg27YFijmBxtIG1ouT95v4q9Xopy97cUfdtY5TVNN1LW/hgbCKxa01E20YW1u5UBDxsDtLIXUZ28EE9RnuK0NL1fWdRvwlz4an0q0VCZJb27hMhbsESJpAR6lmU+xrbopt3k5PqJJKNkcOtvrul2mvaRa6BPem+uLq4t70XMMdvibLBXy/mKQSRxGw4BzzxFfQ623waXRovDWoSalPpTae1ss9qDE/klA7MZguwnn5STg9BXe0VNtLen4FJ2kpdm395jeH9Rvru3EF/oGoaSYIlAe7kt2WQ4wQvlSue3cCuLtPB8mgwrpr6P4o1KONmEV3pviWWGIoWJXdG11HsIBGQikcZHpXptFU3d3JSsrIzvD+mppHh+ysIrVbNIIgogW4ecR+3mP8zfU1o0UUhnGfEZGtI/D+v8AzeTourRT3JAzthdWhd8f7PmBj7A10+qX09hZia00u71R9wHkWjxK+P72ZXRcfjn2qxcW8N3bS213DHPBMhSSKRQyupGCpB4II7U9EWONUjUIigBVUYAHoKOlv6/rQOt/6/rU5H4ftq1no0elat4c1DTWiaeX7RPNbPG26ZnCjy5mbOH7qBweemaejprUXh7xQlx4Z1GGe6up57aFp7UtOJRgAFZioIxk7iOvGa7uik4p381b+vuGna3k7mN4Qju4PB2lW2o2M1hdW1rHBJBM8bMCihScxsykHGRz0646Vs0UVcpOTbZMYqKSRyE39s6F4u1e+tNAudXttTjgaJ7S4gQxOilSsgldMDoQV3d+OOWeJjrtyvhuRPDs91Pb363d2ljdQskIVHXaGlaIsfnB4XsfbPZUVK0afZ3G9U0crKmpj4pwXa6Ldvpy6c9q18JYPLDs6vnaZPMx8pH3euO3Nc5aeD5NBhXTX0fxRqUcbMIrvTfEssMRQsSu6NrqPYQCMhFI4yPSvTaKFoku3+dw6t9/8rGd4f01NI8P2VhFarZpBEFEC3DziP28x/mb6mtGiigDhBe67b+P9Q1YeC9ZmtZbCGzjMdxY5Zo5ZWLYNwPlIkXGeeuQK0/GNvrF5bacdOg1CazExa/tNOu0trqRSh2hZC6gANgna6k9j2PUUUdLD3d/62sef+FtK1TTvHct7JoGq2unXenpCst9rAvZIWV3YiTfK7LnIwIy455I5xLo6a1F4e8UJceGdRhnurqee2hae1LTiUYABWYqCMZO4jrxmu7opNXVvJr73cE7O/mn9yscNpunaxZ6T4a1UaPcfbtK09rC50x5ofMdGWPLIwkMe7dCpALDKsckHijTLzUr74spNqOmNpkR0SQQwTSI83+vTcX2MyDtgBj0yTzgdjfWUWo2MlrcNOkcowzW9w8DjnPDoQy/gRVPSPDmm6HJNLYRzNPOAJbi6upbmVwM4UySszbRk4GcDJ9avmvPmfn+Kf8AncjltDlXl+DT/Q4a08HyaDCumvo/ijUo42YRXem+JZYYihYld0bXUewgEZCKRxkeld54f01NI8P2VhFarZpBEFEC3DziP28x/mb6mtGip6WK63CuP0n+2vCumR6JB4eudUSBnFtewXMCRFC5K+bvcOrAEBiqvnGRnOK7CigDkxpt94c+Ho0u1sLjWbySOVHSzaJMPKXZm/eug2Bmx1JxjjrU/gu51JNEsNL1Tw7qGmPZWUUTT3Mts8bsqqpC+VM7ep5AGB+FdLRQtL+f/B/zFbby/wCB/kFUNW0HSNfhjh13SrHU4o23Il5bJMqHpkBgcGr9FAzH0vwh4a0S8+16L4e0rT7naU860so4n2nqNyqDisDxBd63L4v0e5tPCGrXVtpc85eaOezAmDRMgKBrgHqc/MFOK7eigDA16xu9X0rTr21tXiv7G5jvorSd0DFgpDRFlLKCVd1yCRnviodNtb7VfFUev6jp02lJa2clpBa3MkbysZHRndvLd1A/doANxPLZxxXS0UbP+u1vyD+v1CsTxlpd3rPhC/sdOWNrqRFaJZH2q7KwYKTg4ztxnHetuigDE0vV9Z1G/CXPhqfSrRUJklvbuEyFuwRImkBHqWZT7GsrSf7a8K6ZHokHh651RIGcW17BcwJEULkr5u9w6sAQGKq+cZGc4rsKKAMnwxo76D4ctdPmlWWWPe8joMKXdy7Y9ssQPataiigDmLnV/FVnJd2v/CNDUnZ2+x3drcxRQFD93zhI+9COh2K+cZGM7RB/wit3YeCfD9jayLd3+gGCWPJ2Cdo0KOoJ+7uVnAz0yM111FC0/D8Aev8AXc5rTbW+1XxVHr+o6dNpSWtnJaQWtzJG8rGR0Z3by3dQP3aADcTy2ccV0tFFHSwGBr9heLrOm69pts19Np8c0L2ayKjSxy7CxQsQu8GNcBiAQTyOKxPM8Sah8QtG1afwvc2mmQW1zasHubdp4mkaI+ZIqyFdnyHGxnbg5A4ruqKFo0wPMrTwfJoMK6a+j+KNSjjZhFd6b4llhiKFiV3RtdR7CARkIpHGR6VuJoFzoUOhX2kaXvOl2s1pJpkV4ZW8uQox8uWUqGYNGv3yAQTyMCuxqvfWUWo2MlrcNOkcowzW9w8DjnPDoQy/gRRstA63OO0y81K++LKTajpjaZEdEkEME0iPN/r03F9jMg7YAY9Mk84DRe67b+P9Q1YeC9ZmtZbCGzjMdxY5Zo5ZWLYNwPlIkXGeeuQK6fSPDmm6HJNLYRzNPOAJbi6upbmVwM4UySszbRk4GcDJ9a1KNkl2v+Lf+Yd/O34W/wAjlPF/h2XW5NL1OGG7kl0/zN1pbag9nLIkijIWWN1+YFV4LbTzk9CKvhzQkGvQ6i3h/XLF7eORFm1rXpLpl3YyEjE8y4OOSSpGBjNdrRRsB5laeD5NBhXTX0fxRqUcbMIrvTfEssMRQsSu6NrqPYQCMhFI4yPSu88P6amkeH7KwitVs0giCiBbh5xH7eY/zN9TWjRR0sHW4Vxmmvr3hW2uNKh8N3Orwi5mltLq0uoFUpJI0gEoldWVgXIJUPkDPU4rs6KBnE654c1bWrTSNS1WPzdRsGmM1npWoTWe9JP4EmVlYsu1PvFVbDZC5GF8OaEg16HUW8P65YvbxyIs2ta9JdMu7GQkYnmXBxySVIwMZrtaKfW4jhtbvdcuPFej3dt4N1iW30uecyOLiyHmhomRSgNwDjJB+bBx78Vq6/Nq17pOnrbeGor+3upNupadqDxbkh8tjj7zIzbggxllOeoHzDpKKXQNnc43wzpEttryXOl+Gz4U0qO3kjmsSLdftUrMpRxHA7oNoD/NkMd2MYGag1u91y48V6Pd23g3WJbfS55zI4uLIeaGiZFKA3AOMkH5sHHvxXc0UAc14ht9Q1PS9I1G10yf7TY3sd6+nPJEJmUKysgbf5e4B8/fwcYz3qlavrl18RLPVbjw3d2lg+myWpeS5t2eFzIr5kVZDgHbgbC/XkCuyooWjv6/irfkJ6qz/qzv+Z59c2NzqF5Nc+IvhtbajqXnSx2uoWrWuUhDsImaSSQSRttwfk3YzkYPyjcvL248KfDOS6166+2Xdhp37+Zes8oTGBnqWbAHHJIrpahubS2vY1jvLeK4RJFkVZUDBXUhlYA9wQCD2IpNJxce5afvcxj+B9Gn8PeA9F0m7Obi0so45cf3wvzD881vUUVUnzNsiKsrGbq+gWetmL7ZNqEflZ2/YtSuLTOcdfJdd3TvnFVbDwjpunX0d3b3OsvJGSVW41u8nQ8Y5SSUq3XuDW5RS22HuFc94xu9ft9Ogi8M6dPdyXEvl3E1s8Pm2seDl0WZ0VmzgDJwM5IbG09DRSeo07HL+E2uLMppcHhPUNH0+OJ5Wur+6t5HmmLDORFLIzM2WYuxHI754W51fxVZyXdr/wAI0NSdnb7Hd2tzFFAUP3fOEj70I6HYr5xkYztHT0U5e9uJaGX4Z0h9A8K6XpMs3nvY2scDSgYDlVAJA7DjgVqUUU223dgFFFFIAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAM6rdr/qj/AL1VKt2v+qP+9QBz9r4zN3pusXkfh3VgukytC8bNbbpmU/Ps/fY+UcncVyDxk8VsaLqi61odnqcdtPapdxLMkVxs3qrDIzsZhyMHgnrXA2ui395pvi+5t/EuqWEQ1G9za20VqYzhRnmSFn57/N9MVNLZWj+HvhxqEttC1xbz2caXLRjfGr27AqG6gM20Y7nHtRD3kr9eX/yYUtG/+3vwsejUVwx0zQ5fjBdW8dlp7yXehyf2jEsSFpszIB5ox82RkfN2rkPDng/QHtPBaNpcBTUJbtbxOdtyiK7JHIM4dFZVIRsqMcAUtbJ9/wDNoG7Nrt/kn+p7QenFUdFu7++0e3uNY03+y72QEy2fnrN5RyQBvXg8YPHrXOeD9K0/V/h7Dp2r2NvqFlFdXUSW93EJkCR3Mixja2RhVUAemBU/w2ijt/AFlDbxrHHHLcqiIuFUC4kAAA6Cn3DrY6O9e5jspXsIYp7lVJjjmlMSMfQsFYge+0/SqXhrWT4h8LabrBt/sxvrZJ/JEm/ZuGcbsDP1wK43S9H8N6l4MOv+LYbRNYRWbUNSkYLcWU4PzIkv3otp4VVIGMYznnT8C6Vp2tfB/wAOWer2NvqNq2nwMYbuFZUYhRglWGM/hRbR/L9StDpdFu7++0e3uNY03+y72QEy2fnrN5RyQBvXg8YPHrRaavBeavqGnRJIJtP8vzWYDa29dw2856dc4rD+GsUcHgGyhgjWKKOa5VERcKoFxIAAB0FYGmeDPBb+OvFMV94b0FlgW2mCTWMJEatGdz4K8AkHJ7kGh7iWqPSaK4zxh4f0zxd4PtrzRrXTtUl05lvNLwqSwyGMg+UDyNjhdnHTg9QKoaL/AGT8QPHVv4ptrKCWz0e0WK2uZbdfNe4kAkI3EZHlKwGM8NI3cULV2/q3f9Aeiv8A1f8ArU9CooooAx9N8QLqniTVtNtYN1vpflxy3W/hp2G5owMfwqUJOer4xxWfqfjO50zWoNNbwnrdxJdSPHbSQyWeyfYpYkbrgEDAJ+YA1T+GBJ0bWjMCLr+37/7QD/f844/8c2Vd8Q/8jx4R/wCu91/6TvR0T8l+KuDdm152+52OitpXntYpZbeS2d0DNDKVLxkj7p2krkdOCR6E1LXFfEjRrLVl8Oi7ixIusQxpPH8ssaNneqv95QwABwQcfhS6To2m+G/iWbHQLKHTbO60hppra1QRxvIkqqr7BxuwxBOMnvnAoj7z+bX3K4S91fd+LsdpVHWtXg0LSJtRu0keGHbuWIAsdzBRjJA6mr1cX8VtK0vUPAV5catYWdz9k2PHJcwq/kgyJuYFh8vyjk+lJ7Adoc7TtGT2yaxvDGtXGuadcTX1nFZ3FtdzWkkUNwZk3RuVJDFEJBx/dFRaXpPhLw9qi2+iWGi6Xf3kRZYrSGKGWeNeSQFALKPyFchp/hPRNR0fxTqV/p8dzfLqWoNDcykmS2Ku2DC3WI5GcpjnmhtK7fRN/ih2vZLul+DPTaK8y16XUdV8O+CkuYLXUbO+gVr6LUb1raC4lMClFkZUfcCS52FdrMBnsDoeHNHvtD8YW6xaZ4e8PWNxbSiXTdN1J5BcMCpWRIDBGoK8hmHUMM5wMW42k4voQpXipdzvaKK5b4l6bY6l8NdeGo2dvdi30+4nhE8Sv5cixNtdcjhhngjkVDdlc0jHmkkdTRXN6H4O0Sxax1SO036qkQLag7nz5tyYIdxjcvcIflBAIAwMcJ4oms9V8Nax4ot/Cvh+1iVLgQ61eagLe+WRNyh0KQsVbcvyr5insQOlOdo79CYe+l5nr9FcB400u113R/CUuoJuuG1G1X7SmFlRXUlwrjlQ2ADtx/KrWl6Np/hv4ktZeHrGDTrW60hppba2QRxPIkqqrlRwGwxBbGT3zgU7WbT6Nr7lcV1yp+Sf3ux2tFeXnSfD158MbnxD4hjgj1v7HIb3U2AW6t7nB3Rq+Ny7X+URjjGBgg817nTjB4L8C6bYaVpr6Pc26td2lzcmztp5jCGRZCkb7tzF22lcMwGTnAK7+Vvxv/kN6W87/hb/ADPWKK4Lw5o99ofjC3WLTPD3h6xuLaUS6bpupPILhgVKyJAYI1BXkMw6hhnOBjvaACiuX8WFZdY0Gx1EgaPdTypdKxwkziMmKJ/VWO44PDFVHOcGtHp+n+HvG+kaf4Vs7awhninfULOyiWOMRhfklZFAAbfhQ3Ugkc44EDNPWde1C11u10fQtNgv76aB7l/tV2baKKJWVclljclizAABexyRxnWsXvJLKNtTggt7oj95FbzmZF57OUQnj/ZFcNf+DfDF/wDFpft3hzSbnz9Jlnm86xifzJPOQb2yvLYJ5PPNd5bW0FlaxW1nDHb28KBIookCoigYCgDgADsKF8Cb6/5tA/ia7f5J/qS1zN94n1Jbi9k0bRU1Cw01zHeTNdmKRmUAuIU2ESFQecsgzkAnBrpq47QbuLSNE8TJqcwiay1G8nlLnkRyO0qNj0KuAPUgjtUydk32V/yKSTt5u35nV2d3Bf2MF5ZyCW3uI1licdGVhkH8QamrD8E2U+neAdBs7yMxXFvp0EcqN1VhGoIPuDW5Wk0lJpERd0mUbTV4LzV9Q06JJBNp/l+azAbW3ruG3nPTrnFXq820zwZ4Lfx14pivvDegssC20wSaxhIjVozufBXgEg5Pcg1sa5c6fqE/hqCKe3l8NXkkiSNBIpt5yIz5URK/KUJDcdCVVec4qFsM7GiuOj0/T/D3jfSNP8K2dtYQzxTvqFnZRLHGIwvySsigANvwobqQSOccdjTArX1zPawB7aymvXZgvlxOi7c/xEuw4HfGT6A1T8M60/iDw/BqUtstq8jSI0SyeYFKSMhw2Bn7ueg61q1zHw6/5Ee1/wCu91/6USUC6i33ifUluL2TRtFTULDTXMd5M12YpGZQC4hTYRIVB5yyDOQCcGtC+8Q21voVtqVorXovfLWyjj4Nw0mNgBPQYOST0AJ7ViaDdxaRoniZNTmETWWo3k8pc8iOR2lRsehVwB6kEdqzo7K50jwJ4Ba+VoP7Lms/toY48oG3aI7vQB5Fz6YpxV9P8P47/wBdOpTsrvtzfhsdNpGuXs+rSaTr2nwafqAh+0RLbXRuIposhSVcohyrEAgqPvLgnPGfb+M559cSH+zYV0yXUJdMjuftg88zxht2YNvCZRsEOWxg7QDkSTj7T8VrFofnFlpFwLgj/lmZZYfLB9yInP8AwGuX8T6JqEfjUXVvNaSalc280xa1WHTG+zRlQVe5Mc0zt8yj5Si8ZJXgUk1o35/g3+i/XyC26X9af5/5eZ3fibWn8O+HbrV1s2vI7NRLPGr7WEII8xxwclVy23jOMZFaUUsc8KTQuskcihkdTkMDyCDWLY3Fhd+AIbqLz/7PuNOEo+2ytJII2j3fOzkljg8kk/WqXwv8/wD4VT4a+1b/ADP7Nhz5n3sbRjP4Yp21kn0t+N/8ib6J97/p/mdVRRXNeLdI1DVWtf7OtPtHl7t//FQ3embc4x/x7o2/p/FjHbqaQzpaK4fQfDes2Wt29xd6d5UKEln/AOEz1G9xwR/qZYwj/ieOvUV3FMCtfXM9rAHtrKa9dmC+XE6Ltz/ES7Dgd8ZPoDVPwzrT+IPD8GpS2y2ryNIjRLJ5gUpIyHDYGfu56DrWrXMfDr/kR7X/AK73X/pRJSF1FvvE+pLcXsmjaKmoWGmuY7yZrsxSMygFxCmwiQqDzlkGcgE4NdBZ3cF/YwXlnIJbe4jWWJx0ZWGQfxBrlNBu4tI0TxMmpzCJrLUbyeUueRHI7So2PQq4A9SCO1avgmyn07wDoNneRmK4t9OgjlRuqsI1BB9waFt934pje+nd/gblFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBnVatgGhYMMgnBB71Vq3a/6o/71AGVB4L8LW1ldWdt4a0eG1vNv2mCOwiVJ9pyu9QuGweRnpVqPw9osOito8Wj2CaWwIaxW1QQEE5OY8beTz0rRooAxf+EM8L+VDF/wjekeXAjpCn2CLEauMOqjbwGBOQOvenQeEPDVtbwQW3h7SoYbaf7TBHHZRqsUvH7xQF4bgfMOeK2KglvrSC8gtJrqGO5uQxggeQB5Qoy21epwCM46ZoAzJ/Bnhe5glhufDekTRTTm5kjksImV5SMGQgry2Cfm6807S/CHhrRLz7Xovh7StPudpTzrSyjifaeo3KoOKu6lqun6NZNeaxf2thaqQrT3UyxICeg3MQKfY39nqdlHeabdQXlrMMxz28gkRxnGQw4PIoXkD8ypceGtCu9Xj1W60XTptRjIKXklqjTJjphyNwx9agfwZ4Xk01dOk8N6Q9ikpmW1awiMSyEYLhNuN2OM9a2qKAMfS/CHhrRLz7Xovh7StPudpTzrSyjifaeo3KoOKl1Tw3oWuTRTa1oun6jLDxE93apK0fOflLA4/CtOigDM1mTW4LVF8N2GnXMmCD9tvHt1j4+UjZE+76fL9ao+BtFu/D/hK2sNTitkvVZ5Ll7aYyrNK7Fnk3FEOWYk4xx0ycV0NQWV9aalZx3enXUN3bSjMc0EgdH5xww4PIoXUCeiiigDH03w+ul+JNW1K1n22+qeXJLa7OFnUbWkBz/EoQEY6pnPNQ3fgTwhf3kt3feFdEubmZi8s02nQu7sepLFck+5reooAyb3wp4d1O0tLXUdA0u7t7JdlrDPZxukC4AwgIwowBwPQVI3hzQ31pdYfRtPbVEAC3xtUM68beJMbunHXpWlRQAU2SNJY2jlRXRwVZWGQwPUEU6igDM0vw3oeiLMui6Lp+nLP/rRaWqRCT/e2gZ/Gobbwd4Zs9PubG08O6TBZ3m37TbxWMSxz46b1C4bHbNbNR3FxDaW0tzdzRwQQoXklkYKqKBksSeAAO9A9blS30LSLTSDpVppdlBpzAg2cVuiwkE5I2AbeT14puk+HtF0BZF0LR7DTFkOXFnapDv+u0DNaCOskavGwdGAKspyCPUUtPW5OgVQ1bQdI1+GOHXdKsdTijbciXlskyoemQGBwav0UhmXpPhnQdAklfQtE07THmAEjWdpHCXA6A7QM0xvCPht9Sm1B/D+lNezhhLcmyjMkgYYbc23JyODnqK16KAMW48G+GLqxtbK68OaRNaWe77NBJYxNHBuOW2KVwuTycdasN4c0N9aXWH0bT21RAAt8bVDOvG3iTG7px16VPc6rp1lfWtleX9rb3V4SLaCWZVknI67FJy2PardHmHkcb4h8N3moaxPcad4Z8NGeWLyl1q7kJuogVwTsEGTjJwPNGfUV0dpo9pb+HrfRp41u7SG2S2KToGEiqoX5geDnFX6KOlg3d/6/rQztJ8PaLoCyLoWj2GmLIcuLO1SHf8AXaBmtGiigCK5toL21ktryCO4glUrJFKgZXHoQeCKraVoek6FbtBoel2Wmwu25o7O3SFWPqQoAzV6igDAufAXg+9upbq88KaHcXEzl5ZpdOhZ3YnJYkrkknua24IIrW3jt7aJIYYkCRxxqFVFAwAAOAAO1SUUeQBVC70LSL/UrfUL7S7K5vbX/j3uZrdHkh5z8rEZX8Kv0UAFFFFAGZqnhvQtcmim1rRdP1GWHiJ7u1SVo+c/KWBx+FXZ7S2urN7S6t4praRdjwyIGRl9Cp4I9qmooAo6Voek6FbtBoel2Wmwu25o7O3SFWPqQoAzV6sm18WeHb/VTpljr+l3OoKzKbSG8jeUFfvDYDnIwc8cVrUeYbFPVNH0zXLP7JrWnWmo224P5N3Asqbh0O1gRnk81U0rwl4c0K6a50TQNL024ZCjS2dlHE5UkHaSoBxkDj2rVlljgheWZ1jjRSzu5wFA6knsKqaVrWl67am50TUrPUbdWKGW0nWVA3plSRnkcULyB+Y270LSL/UrfUL7S7K5vbX/AI97ma3R5Iec/KxGV/CrksUc8LxTxrJFIpV0dcqwPBBB6in0UeQFPS9H03RLP7JounWmn224t5NpAsSZPU7VAGabqmiaVrkMcWtaZZ6jHG+9Eu7dZVRvUBgcH3q9RQBk+JtEfxD4cutHS7NnFeKIp5ETcxhJHmIvIwWXK55xnODWnFFHBCkMKLHHGoVEUYCgcAAU+igAoqvJqFnDfQ2U13BHd3AYwwNIBJIAMkqvU474qaWWOCF5ZnWONFLO7nAUDqSewoAdRVLSta0vXbU3OialZ6jbqxQy2k6yoG9MqSM8jimXuv6PpuoW9hqOq2NpeXRxb289yiSTHOPlUnLc8cUB0uSapo+ma5Z/ZNa0601G23B/Ju4FlTcOh2sCM8nmqmleEvDmhXTXOiaBpem3DIUaWzso4nKkg7SVAOMgce1X7/ULPS7GS81O7gs7WIZknuJBGiDOOWJAHJp1peW2oWcV3YXEV1bTLujmhcOjj1DDgiheQFa70LSL/UrfUL7S7K5vbX/j3uZrdHkh5z8rEZX8Kv1DBd21zJPHbXEUz28nlzLG4YxPgNtYDocMDg9iPWpqACiiigAooooAKKzrrxFotjqkWmXusWFvfz48q0mukSWTPTahOT+Aq/LLHBC8szrHGilndzgKB1JPYUdLgOoqlpWtaXrtqbnRNSs9Rt1YoZbSdZUDemVJGeRxV2gAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAzqt2v8Aqj/vVUq3a/6o/wC9QB59f+Ho49W1ObxP4Ok8QCe4klg1e2MU0trCfuoodlljKDoIg2cZHJIrX0/U7XTvDfhjR/CEy3iXtqI7G6uslVgjjBMrgbSxxtG35clsZXnE1voHiuyhe3tfFkEsMk0she80wzTRq8jMERxMoAUEAblfp6YUWW8I29vpOlWukXD2dxo64srh183HyFWEi8bwwPIyDnBBBAoXw29PwDrf1EtdT1bTNasdL8RTWd42oCT7Pc2Vs9uqui7ijRtJIeVyQwbtjA4JqajJqNt8Q9DF5/ZF1a3T3Edsf7PZbq1AhLHExlIO7aAcIuRV+w0K/fVYNT8R6jb6hdWqstqlpaG2hi3DDNtaR2LEcZLYAzgDJJztT8N+K9Q12y1FPEOjxDT5ZXtozosrcOpTDn7UNxCnqAvPbtQI6+uY+HX/ACI9r/13uv8A0okrSurfxA+l28dlqemw3648+ebTpJIpOOdsYnUrzjq7f1rN8JeH9e8O20dlfazp19YxmRgkOmSQS7ncvneZ3GAWPG305oDzOnrzb4laG+o+LvD17pUKDWrK3urmzlCgM7xGJ1iLddrZZSPRzXpNc5q+g6xfeLdN1ew1axtoLCN4xbzae8rOJCu/5xMoHCDHy8c5z0o9CkcFpM8HjX4paD4wmgL2cgnttMinQjy1iiBeTaw4cysy564jFdvYal4i8Q2qatotxpdpp0jP5NvdWkksk6KxAYyLIoj3YyBsfAIPJ4E2q6BrF/4u0zVrbVrGC008tttZNPeSRw4Af94JlAOBx8nHfdTI/Dms6aps/D2uW1lpjO7iGfTzPLDvYsRFJ5iqACTgMj46cjAo9Bepas9TvPEnhWC/0KW30+5myD9tt2uFjZWKupVXTPKkAhveofAVwbnwTZObWytCrTRmGwg8mFdkrrlUydoOM4yeSan/ALFvdL0K103wreWll9nOC9/aPdbwcknCyxncWOScnvxVPwl4f17w7bR2V9rOnX1jGZGCQ6ZJBLudy+d5ncYBY8bfTmn1YtdDJ1bxV4js9ZvYvKhsILd2FvHNo13dJcoFyJGu4iIoQTnhgSuMmmeOZNc1D4UQ3S3Gn2lxLBbyXsZtzOrOzRnEbLKAAGJ5+fI6eta0Hh/xVZLNDa+K4ZYJ7iaUm900zSwq7swSNxMoAUEAbg/T0wot3HhGzk8CjwtbTTW9tHbJbxTAhpE2Y2tyME5APTBqfsv5fqU9/vLWl2/iGF5f7a1TTLtSuIhaabJblW9WLTybh7DH1rEsdZ8Q3vg7VLn7Vpiapp93cw+d9hkMEiwsR/qvO3AkD++ce9aul6d4hivxca3r8F1EiFVtrLTxbxuT/E5d5GJHbayj1BrPl8Kasn9qWmma5BaaZqUkszobDzLiJ5R8+yQybcbsnDRnqRnphSvZ27fjf/hwVrq/f8Bura9rKfC1fEmmSWMN7Hpg1CVLi2eWN8Q7yigSKVyehJOB2NXNIn8VXdxaXl+mlQ6fcJmSzVZPtEAK5VvN3FHOcAptAGch2x81G68Ka5P8O4/C8et6ejmzaxnum0x2DwlCg2p542vjHJZgT2HStjQ7PXbJDHrep6fexqirELTT3tmXHdi00mfwArV25pW26EK/JG+/X8P+CcPH8TxfpLfWvi3wZp0IdhDpmoXI+0SKrEDzJfNXymbGceW+3POa77w9rdv4j8O2GsWXEF7AsqqSDtyORkcHByMjjisuLw/relYtvDus2VrpoYslteac07QgkkrG6yx4UZ4DK2PXHFb9pDJb2kcU9zJdSIuGmkVQzn1IUAD8BULYp7k1cZ8RmN3FoGgkkQ6zq8UFyAcb4UVpnXPo3lhT7E12dcr8QNMubrR7LVNNt2ub7Q76PUYoEUl5lTIkjXHOWjZwAOpxR1T81+YdGl2f5aG9qmj6ZrdmLTWdOtNQtgwcQ3cCypuHQ7WBGea5L4XeHNE07wxBqGnaNp9peySXMT3MFqiSMguHwpYDJHyrxnsPSur1BdSudPU6JdW1ncMQ2+9s3mXbjpsEkZB6d+PSsfwj4f1zw7aLY6hrGn39knmMiwaa8Egd5C5JYzuCPmYY2jtzxybXFvYxLTXfHN5Y61PG+goNGupod0lpMPtvlgHgCU+Txxk78n+EAc9tpV+uq6NZahGhjS7t451RjkqGUNj9a53TvC2u2Wj65Zza3p0s2qTSTRyrpbosLScPlfPO8Yxjlcd89K2vDmm3WjeHLHTb+7hvJbSFYRNDbmFWVRhflLvg4AzzyfTpRH4bPsvvtr+g5fFp3f8AwP1NOvOtIs/FzeOfE4t9c0WNw1tvaTRpWDDyztwBdDGB15OfbpXotc1e+HdYTX73U/D2tW1idQjjW5iu7A3IDICA8ZEibTg87tw4HHXKYyn48OoJb+GvsS2819/bMIUylo4i3lSgsQMkAcnHXjGe9XtJ1TWIPE76Fr72N3I9mbyG7soHgBUOEZGjZ3wcsCCGOeeBjmLWvDWtahFoq2mvwB9MuBcyTX2n+c9xIFZRny5IlUYduAvp6HNiTQdUfx5FryanaLZx2jWhszYsZCpIYnzfNwDuUfwdMj3qo+fd/lp+JMtVp2X56/gchH8TxfpLfWvi3wZp0IdhDpmoXI+0SKrEDzJfNXymbGceW+3POa77w9rdv4j8O2GsWXEF7AsqqSDtyORkcHByMjjisuLw/relYtvDus2VrpoYslteac07QgkkrG6yx4UZ4DK2PXHFb9pDJb2kcU9zJdSIuGmkVQzn1IUAD8BSWw3uTVxcmreLW8cX/h+0fSXiW0ivIbyS1kUWyPJIux0EpMzYQYIMY6k44B7SuObw14sTxRd61beItGSS4t0tRFJokrBY0d2XkXQy37wgnocDgUdR/Zf9df8AI07y/wBS03wr9o1jU9F0u9jOJrycMbUDcQG2s6EZGDtL8Ekbmxk5vhHxedb1q80ptW0bWvs9tHcpf6O2IyGZlKMnmSbWBUH75yD0HfR8ReHbrWZNLu7S9t7fUNMmMsT3FoZ4GZkKsTHvU5wTghwR6nJqrpnhrW7Xxcdd1DX7e8M1oLa4t107ylAVmZTERISoy3IfzCexHY66+f5f5ifw6f1r/kY9prvjm8sdanjfQUGjXU0O6S0mH23ywDwBKfJ44yd+T/CAOdubxLdahBotvoSQw32sWhvEa7UultCFQszKrKXOZEUKCM5JyMVBp3hbXbLR9cs5tb06WbVJpJo5V0t0WFpOHyvnneMYxyuO+elRyaHJoXhXTLjUPEFhZXuhQeTHqktv5Vv5RCrtljaXlTtTPzj5lBBHShfD73ZffZ3/ABt+g38Wnn/wP1Cy1XxWvj6DQdTk0lrVbFryS6gtZFa4+cJsVTKfKIJyc7wRjGOcYMfxPF+kt9a+LfBmnQh2EOmahcj7RIqsQPMl81fKZsZx5b7c85q54UmbWPiNLq0OvW/iCJNKNvLdaegWzicyqyxx4ZxuwGLfOx6ZwNorei8P63pWLbw7rNla6aGLJbXmnNO0IJJKxusseFGeAytj1xxR0Xz/ADf6E3V38vyX6mp4e1u38R+HbDWLLiC9gWVVJB25HIyODg5GRxxWjUNpDJb2kcU9zJdSIuGmkVQzn1IUAD8BU1N76AtjlrDUvEXiG1TVtFuNLtNOkZ/Jt7q0klknRWIDGRZFEe7GQNj4BB5PAW71a+8QfD2TU9Bmh06eSCQv9qgafYUDK6Da6chlIDZxxnBp0fhzWdNU2fh7XLay0xndxDPp5nlh3sWIik8xVABJwGR8dORgVYufD1xb+E00Tw3eW9iAhjaW8tmudysDuOFkQ7yTndnGc8c8ZzTcGkXFpTTZnfDuz1q18KaN9uv9Ll0/+zYfJt7TTXgdCUUjLmZw3Gc4QZJzx0rr6wPC+ka7otlb2Oqatp99Z2tskEIttOe3k+UAAszTuDwOgUc/lW/W02nJtGUE1FJnNeMmEj6BYzLvtr3V44p1J4ZVjklAPqC8a8dD070yb/RfivZCABBfaRcNcAceYYpYRGT6kCVxn0NbGt6Sms2AhMpgmilSe3nVQxhlQ5VsHr6EdwSO9VdK0S7h1RtV1y+hvtRMP2eN7a2NvFFFu3EKhdzliBkljnauAMcxHR6+f4qxb/Rfnc2q4z4pxalJ4Gujpt3a26K0fnLcWrSlx5iY2kSLtweuQ2fbrXZ1m+IdGTxB4fu9LlnktxcJgTRgFo2BBVgDwcEA4PWk9hobpNvr8Msh13U9NvIyv7tbPTpLYqfUlp5Mj2wKyrDUvEXiG1TVtFuNLtNOkZ/Jt7q0klknRWIDGRZFEe7GQNj4BB5PAvaXp3iGK/FxrevwXUSIVW2stPFvG5P8Tl3kYkdtrKPUGqkfhzWdNU2fh7XLay0xndxDPp5nlh3sWIik8xVABJwGR8dORgU2I1dB1iPXtDttSiiaETBg0bHJR1Yqy574ZSM960ap6TpdtoulQafYhhDAuAXbLMSclie5JJJPqauU3uJbHI6xYWln488MSWlrDA9xd3UkzRRhTK32d/mYjqfc1Z8ZMJH0CxmXfbXurxxTqTwyrHJKAfUF4146Hp3qvq/hzxPqPiGz1K21/SbdNPlke1hk0eWQgOhTDsLld2AeoC89q2NR0eTVtFht725Rb6Fo5o7uCHaqTpyHVGZuM5+UseCRnvSXR+g+673/ACMyb/RfivZCABBfaRcNcAceYYpYRGT6kCVxn0NVtCtbbWdD8SvqMCyteajeQTiTkskTtFGPYBUUgdiSepzWvpWiXcOqNquuX0N9qJh+zxvbWxt4oot24hULucsQMksc7VwBjmpd+GL/AO1XqaRq8dhp+pOZLyE2nmSh2XazQybwIyQAfmV+eRjNS17nL5Nfe7lX1v5r8FYwXuLjU/hd4T1SWS7l1WOK1u4Hh0970ST+SQTJGpHykM3zFkAODuBxU/w41ie8W6so4bMiKeWa+cX0HnRzyOWK/Z4GkWNc7uGl3cc5OTXaQWFva6XFp9snlW0MIgjRT9xAu0AfQVz3hzwfcaLqFrcXupQXaafYnT7JILIW5WEspPmEMwdv3a8gIo+b5eeNW05yfR/1+i/pax9lLtb+vxf9MqyMdK+NECQDEWvaS5uFGMebbOux/qVmKn2VfSuzrk7awuNU+Kdzq9xbSw2mkWIsbR5IyvnSykSSuueqhViXPTO/0NdZUfZX9dXb8Bv4n8vyQjHahbjgZ5OBXnB+KmGI/tDwB+PjL/7mr0iijqBl+HNX/t3RIr/zNNl8wsN2mX32uA4JHyy7Fz05+UYPFalFFNgcd4nttH03Rr3RrPSor7UfELSlbJsubmRvvSSMckRpkEseFG0LztUrr1vLbaV4U0fUJmvFmv7e2vJW4E+yF3y3qGeJcjvnFRWnhPxVYajf3tv4k0iW6vZGJubrRJJJkjySkQYXSqFQHAAUDOSQSSTu3mhy6j4ftbO+vjJf2wilS/WJVP2hMYl2dBkg5XpgkUo6Wfp+H+Q5dV6/j1M+b/RfivZCABBfaRcNcAceYYpYRGT6kCVxn0NdRWLpWiXcOqNquuX0N9qJh+zxvbWxt4oot24hULucsQMksc7VwBjnao+yl6/m2J6u/wDWwUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAZ1W7X/AFR/3qqVbtf9Uf8AeoAmorzjVPF/ijRfFdzFPPpN9ounvbf2hJFYSwywLPLsUBjOwJVSHY7cY7DPHVa14y0Xw/qVvYarLdR3N0pa3SKwnm84jqqFEIZuM7QS2OcYo6XDrY3aKwNJ8ceHdcv47PStR+0SSqTGwhkEchUAsqyFQjOoPzIDuXnIGDUl34v0ezvHtpJLqVo2Kyy21jPPDCR1EkqIUQjvuIx3oA26KzLvxDptleadbTzSbtTbZaSR28kkUhxuAMiqUXIBI3EZwcZot/EOn3Ovz6LG1wt9BH5rJLaSxqyZALI7KFcZIHyk0AadFcofiZ4WEcrm9ugIGZbjOm3ObXBwTMPLzEPd9o4PPBqXxt4uTwt4ZbUbeOW4kfb5Jis5riMgsoJYxA7RhuCSMnpnpR0uHWx01FZek+IrLWpZI7ODUo2jXcxvNLubUEexljUE+wzWpQAUVV1HUrTSrX7RfzeVGWCKApZnY9FVQCWY9lAJNVtK8Q6frLvHZtcRzIu4wXlpLay7c43BJVViueMgYzQBp0V574l8Ys/jKHQrW+17S4IbeSa4n0/QZriWVw6qqqWt5FKckl1UgnA3Dv2ukBho9sXu7u8LIH8+9hEMzA8jegRNp5xjaCO4zQtVcHo7F2iiuU1B9T07x9oqprd5NZalLOklhLFB5UYWEsNrLGJOo7uaAOroqpqepQ6VYtdXKXTxqQMWtpLcvk/7Easx/Ks/wfePf+ErK4l1ZtZdgwa+ezNq0pDsDmIgFCMbcY7UAbdFYF5440CwuJorq7mRIGKy3Is5mt42BwVacJ5YYHjaWznjrWNr/i+FLLw34hsNXubPSLq/WGdJ7TyluInRyCVljEgOVG3bjdu/iyKFr+H4h/wfwO4orK0jxJpmuTTQ2Msy3EIDSW11ay20yqejGOVVbacHDYwcHmues/iRZy+ItXsriz1byLNohCYdAvnc7ly28CI456cDI6Z60bAdtRTYpBLEkihgrqGAdSpwfUHkH2NOoAKKwtQ8ZaNpd1JBqD3lusRxJcvp1x9nj92n2eWo9y2KfrvizSvDklqmqteA3bbIDbafcXIduy5iRhuPOAeTg4oDY2qKxZvFmlW/iKDQ5ftwv7hd8aLptwyMvGW8wR7ABuUEk4UkA4pmoeMtG0u6kg1B7y3WI4kuX064+zx+7T7PLUe5bFAG7RVTUtSg0uxN3cJcyRggYtLSW5fnphI1ZiPfFZ/g+8e/8JWVxLqzay7Bg189mbVpSHYHMRAKEY24x2oA26K5TUH1PTvH2iqmt3k1lqUs6SWEsUHlRhYSw2ssYk6ju5rodR1GDS7Nrm6E7RggYt7eSdyT6JGpY/gKAWrsi1RWTpmv6d4gjuYdNuZ4biFQJI5rZ7eeHdnaximQMAcHBK4OD1rl/DPj6yttFkg8Qapd6hfWt5dQzzRWDzNGkdxIiGb7PHsj+VRyQoPWnYOlzvqKoXUZ1nSUOl6vNZpMFkivLHynLKeQV8xHQgjvj6VneBr+81LwfaXOp3TXdz5k0bzuiqz7JnQEhAFzhR0ApCudBRXO3Xjzw9aXc8Et3OwtnKXFxFZTyW8DD7wknVDGmO+5ht74roUdZI1eNg6MAVZTkEeoo6XH5C0UVznjjWrvSNBii0lgmqandRafZOwBEckhx5hByDsUM+MHO3FAHR0VR1CDVH09Y9HvrW3ugRma9tGnVhjn5Ekj5PrnHtWF4I1DxHrOmpqeuX2lyW8hljW3s9PkhdWSUpu3tO4IIUnG0devHIB1dFcofiZ4WEcrm9ugIGZbjOm3ObXBwTMPLzEPd9o4PPBrqkdZI1eNg6MAVZTkEeoo6XDZ2FooribP4kWcviLV7K4s9W8izaIQmHQL53O5ctvAiOOenAyOmetAHbUVyXjHXH0RvD+qf2rLYWEt+sF1E8SBZY3jcjcGQuGyoACkHJwQTitjSPEmma5NNDYyzLcQgNJbXVrLbTKp6MY5VVtpwcNjBweaFqgehq0Vzt1488PWl3PBLdzsLZylxcRWU8lvAw+8JJ1QxpjvuYbe+K6FHWSNXjYOjAFWU5BHqKOlw8haKK56fx3oFtf3VjcXF1HeWpUNbtp9wJJdxYAxLszMCUbmPcOCelAHQ0VlJ4k0yXQk1i3knuLNyVUwWsskm4EqVMSqXDAggqVyCCCARTtI8RabrjTJYSyia32ma3ubaS3mjDZ2lo5FVwDg4OMHBxQBp0Vyh+JnhYRyub26AgZluM6bc5tcHBMw8vMQ932jg88Gt3UdasNKsUu7yc+VIQsQhjaV5iRkBEQFnJAJwoJwKOlw62L1Fc/Y+ONC1HV4dLtJ7pr+VWf7M9hcI8SjHMoZB5Q5GN+3ORjOabdePPD1pdzwS3c7C2cpcXEVlPJbwMPvCSdUMaY77mG3vigDoqKRHWSNXjYOjAFWU5BHqKWgAorEu/F+j2d49tJJdStGxWWW2sZ54YSOoklRCiEd9xGO9T63r9to2gSaoVnuYhHuj+yW8lxv+UkHESsQpx97GB60m0lcaV3Y1KK4PwHqt1rgs7y71/xBcTzWouJrS40X7LZgsB8qSNbKWALcYlYkDPIzXeVTTW5KaewUVjeJdSuLG1s7ewdI7zUbtLSGSQZEZIZmfHchEcgdyBniqWmXOoaT4sXQdS1OfVo7uze8trm5jiSVDG6I6N5SIpH7xSDtB+8Dniktf68r/kN6f18jpqKK5vxz4q/4RLw697HBNNOWURhLKadB8yg7zGDt4PGSMnpnpRsB0lFZek+IrLWpZI7ODUo2jXcxvNLubUEexljUE+wzUF34v0ezvHtpJLqVo2Kyy21jPPDCR1EkqIUQjvuIx3oA26KbFKk0SSwuskbqGR0OQwPQg9xTqACiuX1C71iy8a6HBJqMbWV9PcI1tFbBBsWFnXcxLMWBHVSoPpT/AB7qN3pfhhZrG/bTpJL60ga6RYyYkkuERyPMVlztY8kHFHYFqdLRXN+Fbi2vY7qbTPGz+J0XCEtJaSJA3X/l3jTk+hP5Vjaf4r1u3s9UfW7zT7q5jvJdP0+10/TJFluJk6Ha07bhzkjKhQCS4GSDrb5/196+8DvaKy/Do13+x428VSWD6ix3OthC8ccY7L8zsSfU5A9uMnUpvQS1CiuR0a+8U3HjTUdN1DUdHkstPWF2EGmSxySiUOQAxuGCkbRztOfQVvX+u2GmajY2N68yTahIYrcrbSPGzgZ2mRVKqcA4DEZwcdKQzQorMt/EOn3Ovz6LG1wt/BH5rJLaSxqyZA3I7KFcZIHyk1Si8b6HNp+q3qSXvkaQxS9LabcqYyOSApjy2BydoOAQTxRfS4dbHQUVzmt6reX/AICn1nwlLItwsH2u1Wa2ZDOEO7yykihgHAK5wD8wIPQ1r6Rqltrei2eqWLbra8gSeI/7LAEfzp2evkK+3mXKKKzdX8SaH4fMQ17WdP0wzZ8r7bdJD5mMZxuIzjI6etIZpUVh2Hjfwpqt9HZaZ4n0a8upSRHBb6hFI74GeFDEngE1uUAFFVr6O8lgC6fcw20m4bnlhMvy9wAGXB9CcgehrJ8Eahean4RtbrUrhrm5Mk6NKyqpYLM6jIUAdFHQCgOpv0VyGuQeI7Wx1TWpfE0emJZrJLb2qW8clt5SAkGYsnmEkDJ2MmM4GcZPS6XePqGj2d7LA9s9zAkrQv8AejLKCVPuM4oWqB6f12LVFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBnVKblLLT5rmZZWSIF2EMLSuQB2RAWY+wBNRVbtf9Uf96gDyrStBl8SeEfEOoatq3ibSl1eaeS/01dHUFVYbERVktmlkIiCA7CRkHBq1ofiG71PUfBL6ppetx31rDNBfPLo12iLI0aoGLtGAFYjOc8A84r1Gijy6afgD119fxPL9Gea0tPCbXGnaon2DWr1Lkf2bOTH5izhGwEyUPmJ84+Xnrwa29B1M+FNGj0TU9M1Wa9hkl2PaafLPHdbpGYP5qqUUtnJ3suCTnjmu1ooA4F9Gv8ARfBvhv7TbyTNpepLd3UNrG0zxRt5vyoqgl9nmKMKDwpwO1T22r/bvifZ3cemavFZTaVJbxXU+mzRoZPNVtrZXMfCnmQKD2zXb0ULR39fxVhNXVvT8Hc870K+hTw74ykGm6pC897czhX0e5jknWRQqFVMYZzxjgEgAZwKnlgutU+CFvbWNjeNdxWECG0mt3gmLxbNyhJApz8hxng8YODXe0UlpG3kl9ysN6u/m/xMTS/E8WsX4t7LStYWMIWkubuwktY4z2XEwVmJ/wBhWHqRW3RRTA5zxLb3EWs6LrMdvLd22nSTefDAm+RQ8ZUSKo5Yr0wMnDtgHpVWOdvE3izSNQ0+0vrez0wTmae9s5bVpC6bRGqSqrkZwxONvyjknp1tFAHBXviK2tficLuSw1xra302W0eaLQryRPN85DgFYiGGFJ3DI967mCZbi3jmjDhJEDqJI2RgCM8qwBU+xAI71JRQtIpf1u3+odW+/wDlb9Argdf8S2r+MtBmj0/XZItOuLj7TJHoN6yrmFkBBEWGBY9VyO/Su+ooAyrrxFZWel29/NBqTQ3GNiw6XcyyjIz80Sxl06fxKK574datG3h+HSZLPVrS8V7iQ/atJuYEAaZ2H7ySMJnDA4zn26121FG4HnQ1BtD+HM3hi70TULvUbbT5LZkSyka3ucIVMhn2+UFbljubdycgngx3d4sHhP4fBrPULkRPaXMhtNPnuRGi25BZjGjAcsvB57joa6zV/Dc+sXEvm+ItWtrKZdklhbeQkbLjBG/yjKM9yHB54IrZt7eK0tYre2jWKGFAkaKMBVAwAPYCmnrd90/uv/mEtdPJ/jY5Sa8C/F63U2moFP7Ke3NwthOYBIZEcKZQmwfKp53Yzx14qJtSPhvxtrs9/puqTQaglu9rLZWEt0shRCrKTGrbCDj7+0cjnrjtKKXRLtf8W3+odW+/+Vv0ILG5ku7GK4mtJrN5F3G3uNvmR+zbGZc/Qmp6KKAPJdbvvEOp6DrVteXPildUkiuYl0nT9Fj+ylcMFAnkhYOCuCSJQTngA8V2F1p7+JvhpHBZLNbXf2aOS1NzBJA8VxEQyFlcBlw6DqOR6g11VFGya9PwH1T9fx/4Y47wS17rt9eeKtY02502e5jjtLW0u4jHJBEg3PlSMgtKz/UIhrltbvvEOp6DrVteXPildUkiuYl0nT9Fj+ylcMFAnkhYOCuCSJQTngA8V61RSkuZWCL5Xc5+z8QWmn+E9Mu7m21QI8SReXHpN1JKrBcHdEsZdRweWUDp6isn4cavEdBg0qWy1W2u0kuJGF3pNzAgUzOw/eSRhMkMDjOfyrtqKuT5pNshRskl0OB1/wAS2r+MtBmj0/XZItOuLj7TJHoN6yrmFkBBEWGBY9VyO/StHxTrOo/2dpdxpB1K0sLqU/a7q20t5ruBNhK4gZCwJbAJMbY7rzkdbRUldTzjw1d3MPxAubm9PiW9tZ9KRIL3UtJ8veUkkZlxFCmzg8CRVYk8A5FR+CPEH9g6Nfx6h4b1y3a61S8urZodJndrpHnYqzALmJsYGJdvAU5x09LooWll/W9wev5/crHKaHN/wh/g20TWre9Eks0snkWVlNeGDzJHkEeIVbAUMFz044PSqnw41eI6DBpUtlqttdpJcSMLvSbmBApmdh+8kjCZIYHGc/lXbUUCPLdMsL/w7Ypo2peIfF9tLE7qi6fo0N1byqXJDLItpJjdnJEjbgSc56nvPC2nLpHhXTtPjW8WO2gWNFvTGZlUdA3l/LkDjjitaijoPqFcX8RM2t14V1eQgWun63EbksPlRZUeEOT2AaRefeu0qtqWnWmr6XcadqMIntbqMxSxkkblIweRyPqOR2o6p9rB0a7/AKjNU1S30iz+03cd3JHuC4tLOW5fJ/2IlZse+MVy/wAN9Ujbw/FpctnqlrdxPcSst5pdzbrtad2GHkjVSSGBwDn24NdkiCONUXOFAA3Ek/meTTqBHnehX0KeHfGUg03VIXnvbmcK+j3Mck6yKFQqpjDOeMcAkADOBXUeCpfN8D6MGhuYHis4oZIrq3kgdXRArAo4DdQecYPUcVuUULRW8kvu0G9Xf1/EK4ttSPhvxtrs9/puqTQaglu9rLZWEt0shRCrKTGrbCDj7+0cjnrjtKKQHEeLdUMg8LTT6RqyMNTS6lgTT5LloEVHBLmAOoOWXjP8jixNeBfi9bqbTUCn9lPbm4WwnMAkMiOFMoTYPlU87sZ468V19FNaP5t/erA9V934O55bplhf+HbFNG1LxD4vtpYndUXT9GhureVS5IZZFtJMbs5IkbcCTnPU954W05dI8K6dp8a3ix20Cxot6YzMqjoG8v5cgcccVrUUdA6hXng8QWFv8UdQ1SfS9bMX9lw2cdyvh+9f51mmZ1UiE8YKHI4PGCcV6HRR1uHRr+t7nL+MdR1S1ttObTHvraynmIvLux083VxAmwldsW1jy2ASUbHcc5GF4VuLofEaaW6PiO8t7rTEit77VdMEIYrJIzL+7iQR8HpIqsc8ZyK9FooWjv8A1tYHqrf1vc870K+hTw74ykGm6pC897czhX0e5jknWRQqFVMYZzxjgEgAZwKfpTTW+leEdcew1CS203TXsrq2NjKJ4HZIh5ghKb2wYmX5QSQ+RkZr0Gq99bS3djJBb3k9jI4wtxbqhePnqA6svtypoXurTsl9ya/UHq7+v4nGaXqaav8AF4XUOnXNrD/YTok93btBJPidCf3bgOFXPG4DJLYGOTkaZYX/AIdsU0bUvEPi+2lid1RdP0aG6t5VLkhlkW0kxuzkiRtwJOc9T3OkeHE0y/l1C71K+1a/kjEP2q9MYZIwc7FWNERRnk4XJwMk4GNmjol6/i2xa3b9PwSRk+FtOXSPCunafGt4sdtAsaLemMzKo6BvL+XIHHHFa1FFN6u4zitB1M+FNGj0TU9M1Wa9hkl2PaafLPHdbpGYP5qqUUtnJ3suCTnjmnwxSeFvhgtlqcF1LcNDLGIbG0luijSb2VMRKxwoIXdgLwOmRXZUVEo80XEadpcxy/gXWYLrw7pmmC11O3urTT4VmW80u5tlDKiqQHkjVWOewJ9eldRRRWkpczuRGPKkjA8W2M89vpt/aRPPJpV+l4YYxl5ECsjhR3bZIxA7kYqpp7Nr/jWDXbe2u7ewsrCW1Rry1ktnlklkjY4jkVXAURDkgAluM4NdVRUrT+u6sU9f687hXP8AjqyutQ8E6jBYW73NxsV0hjxuk2urEDJAzhTj3roKKHsBiaX4ni1i/FvZaVrCxhC0lzd2ElrHGey4mCsxP+wrD1IrF0HUz4U0aPRNT0zVZr2GSXY9pp8s8d1ukZg/mqpRS2cney4JOeOa7WigDF8H6Xc6N4TsrG+CrPGHZkRsiPc7MEB7hQwXjjjitqiigDg/EniG2XxtoTrYa3LHptxcfaZIdDvJEXdCyghliIcEkDKkit/Xr1JdCtrr+wZNZspZI5JrZ4MSxp94SCGRcsysFOw4YckAkYO7RQHU4+xun1vx1Bq+n2F9a6fZ6fNBPPd2Uls9y7vGURY5FV2CBHOSMfPgZycc3oWjW+tS+IdQ0201TTfEP2+e6sL68sbq3whI2KPNVVKMR80Y69SM4I9UopW/Jr73cf8An/wDN0DWP7c0aG9ayu7GVlAmtru3eF4nwNy4cDcATjcMqccE1pUUVTJWh5/p/iiztPHGv3s+n6+tvcxWqQyDw/fMHKCQN0h7bhz3zxSPd6rqnhjSNa1CzvnNlr0tzJEbGRJ1tRJNHGRDtDnCMhxt3Ec4Jr0Gikuj9PwH0a/rZr9Th7fWBe/E6zvI9M1eOyl0qWCO5m0ydEaTzVbawK7o+FP3woPbNYup/wDFS6lfeIoNN1C1t9LKK2n3Wl3kbauFbKmRAmXUHlMK5XOWGDtr1KijZJdv87/qHVvv/lb9DBn8S2kngW71+e3u7K2js5JpYb62eCWMKpJVkcA54x6HsTUPw70y50b4b6Bp98nl3NvYRLKmMbG25I/DOK2NU0my1qxNnqkH2i2MiSNEWIVijBlzgjIyBkHg9CCKuU9NfO34X/zDt5X/AE/yCs3V9LvNSMX2PXtQ0jy87vsUdu3mZx186J+ntjr3rSopAYdhoGpWd9HPceLtZv40J3W9xFZhH47mO3Vvfhh0rcoooAp6pqlvpFn9pu47uSPcFxaWcty+T/sRKzY464xXL/DfVI38Pw6XJZ6pa3cT3ErLeaXc26bWndhh5I1UkhgcA59uDXaUUAebXXiGDXNaeTxHpmvRadp87fZtMTQb2UXMiN8s0rLEUYZGUQEgcMxzgJ6FY3X27Tra78ia38+JZfJuE2SR7gDtZezDOCOxqeihbWB6u4UUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAGdVu1/1R/wB6qlW7X/VH/eoAx77xroenXc1vcXFw5tzi4kt7GeeK3OMkSSIhSMgHJDEYHNaum6ja6vpdrqOny+daXcSzQybSu9GGQcHBGQe9c1Bo+q2st5deEdb064sLu5lnezvbYyqZSxEipNG67BuBzuVyDn0wKdtrP9taV4PtdPhbRdP1iFmkitmCGNEi3CCN1xtz1DLg7UOMZ4Ft9wdTuqo3WqfZdZsNP+w3s321ZD9pih3QwbADiRs/KWzhfUg1hJCfDXirR9O065vZ7TUhOJob28lumQom4SK8rMwGflIzt+YdD1i1SyGn/ETw/c2t3qCm/muFuIX1Cd4HAgYjELOY1wQDwooFc6XUryexsmntdNutSkBAFvatErn3zI6Lx/vVDoGtQ+IdDg1O3gnt0mLjyrgLvQq5Qg7WYdVPQmtGuY+HX/Ij2v8A13uv/SiSgOp09ZmveItO8M6eL3V2uUty4QvBZzXG0npkRqxUdsnAyQO9adct8Si4+HmpmFVaQCLarNtBPmpgE4OB74NJ6K4zR0vxVperXn2S3a8guSpdYr6wntGkA6lRMi7sZGcZxmq8HjbRbiy1K7hOoNDpj+XdH+yroFWzghV8vL477QcDk4HNQRadr+r63pt7r8Gn6dDpkrzRQ2N3JctO7RtH8zNFHtUB24w2TjkY55q1tvEcmm+L30vVdLtrP+0b3MNzpkk0h+UZ+dZ0HPb5ePelKVr+jf4r/MqKu15tL8/8j0HS9TttZ0u31GwaRra5QSRNJC8TMp6Ha4DDPXkdOat1jeD/APkRtC/7B1v/AOi1rZrWceWTSMoScopsz9d1q08O6HdarqG/yLZNxWMAu5JwqKCRlmYgAZ6kU7UNWg0vT1u7yC8KMQDHbWctzIpI7pErH8cY965n4gnzNV8G2k3/AB7T69G0pxwSkUsiA/8AA1X8RXaVC1V/P/L/ADLejt5f5/5GHoPi/SfErkaQNQddrN5s+l3MEZ2ttIDyRqpIPGAc8Hjg1uVzHw7/AORHtf8Arvdf+lElcvpvh+a70nxNPP4h14f2ffXUeniPVJx9mCAEZJcmXntJuUDgDrlOSV79Ff7rf5jir283b+vuPT6KzvD17NqXhjS766IM1zZwzSFRgFmQE8fU1o1Uk4tpkxkpJNFWDUbW51C7soJd1xZ7PPTaRs3jK8kYOR6VV1XXU0jUdMtZrK6lTUrj7OlxF5flxPtLAOCwbkKeVVunOOK47SPBumT+OfE8b3WtARtbEGPXb1Cd0ZJyVmBPtnp0GK1PHlibi38NWUF3cWudZhQTxPmVVEUucM2eSON3XnOc80lq16r8x9H6P8jsaK5LSrd9D8ff2PaXt9Pp9xprXXlXt3JcmORZVXKvIWfBDcgsRwMAc55TS5tX17Tjq13o/jSS/uJJDHcWGrW0MFvh2CqkBuVQhcYPmxkkg7h2o6J/1vYOrX9bXPWKKzvD02p3Hh2wk1+2+y6m0C/aogynbJjn7pI5POATjPWtGm9HYAorgW0SW7+J2qaeus6tBpsmmwXc1tHqE2WleaYHY5cmFcKMrHt6DkAEHU1g2mh6FZaLcS65qs1zIyW0drdMLuYDLYMwZMKq8b2cE4GWLHJXS49pW/ra51VFcN4QuryDxhf6TJa6zZWQsIrmO21i9S6kRzJIrMsgllbaQBwznBHAHfJ03w/Nd6T4mnn8Q68P7PvrqPTxHqk4+zBACMkuTLz2k3KBwB1ym0telm/udmCV3bzS+9XPT6K4oajd6/H4VsLu5mtYdW01r27ltZDC8rqkX7pXUhkz5rN8pBwnBxmq9lpf2D4swWCa1qlxZwaS91FYz6jNJ5TmUJucl8yAjOBJuwQcHoBbi1Llfn+F/wDIhSvDmXl+LS/U72ivJ9Lm1fXtOOrXej+NJL+4kkMdxYatbQwW+HYKqQG5VCFxg+bGSSDuHavR/D02p3Hh2wk1+2+y6m0C/aogynbJjn7pI5POATjPWp6XK6mjRRXGaBpv/CVaPDrmqahqkd7NJLtS11CaCO22yMoj8pGCMV24O9WyQc8cUAdjLKkMLyysERFLMx6ADqawtE8UTa68Elv4d1aCwuE8yG/uDbrG6YyrbBKZQGGMZQHkZArLjdvFvwrNxq8k4lNvMxks7mS2MpTeofMbKdrAbtuSpz3GKm8AeHrPTfC+j31vNqLyzabCGW41O5njGUUnbHJIyL04wBgcDimt3fpb8b/5Cb0Xnf8AC3+Z1tU9U1S20fT2u7sttDKiIi7nkdiFVFHdiSAB71crmvF5dLzw1KP9SmtRibjs0UqL/wCPsn6Ut2l3sPo32Tf3IvaP4hXVLqezudPvNKvoVEjWl75e9ozwHUxu6suQRw2QeoGRnXrmLvLfFjS/L58vRrvzcdg01vtz9drY+hrp6N4p+v5tfoGzt/WxV1HUbXSdPkvdQl8m3jxvfaWxkgDgAnqRVquM+Kelwah4GupLiS6QwNGUFveSwg5kQHcEYBvbdnHUYrf0nw7ZaLLJJZz6lI0i7WF5qlzdAD2EsjAH3GKOoGpRXGaBpv8AwlWjw65qmoapHezSS7UtdQmgjttsjKI/KRgjFduDvVskHPHFbPg/VLnWfCdlfXxVp5A6s6LgSbXZQ4HYMFDccc8UB1NqsaTxPax+ILTSDa33mXUkkSTNbmOIMiFyMvgsCAcMoZfetmuY8Q/8jx4R/wCu91/6TvQJnT1g+GvGGneKrrU4tMjuAumz+Q0sqAJN1+aMgklcqeSB0qt8QdQvbLwq0OmxXxmvpktGuLG1kuJLWN/vzbY1ZsqobHH3itY/gG90xvFniGx0a0vLW2gis1hjuNOntgiJFtx+8RcH2PJHPI5oWv8AX9f16Delv6/r+u51tjrltf61qWlKk0V3pxjMiyqAHSRcpIhBOVJDL2OUbjpnSritRJt/jdobQHDXejXcdwAPvLHJEyZPsXbH+8a7WjeKf9aNr9Ae7X9bXCikbOw4znHGMZ/WvOD/AMJduOP+E/8Aw/sCjqB6RRWX4c+2/wBiRf2n/aX2jLbv7T+zef1ON32f9306Y7dea1Kb0A5a78aXdpDeXDeDdfa0tGlD3JazjVljJBcB7hW2/KSCQMjBHWuh069TUtLtb6FHSO6hSZFkGGUMoIBHrzXN/EZmufDcOiRHEuuXkOn8dRGzbpT+ESyV1aqqIFQBVUYAHYUls/6/rdA9/wCvl+TFooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAM6rdr/AKo/71VKt2v+qP8AvUAYH/CvvDo3iK3vII5JHllht9SuYopndizF41kCvkk53A8cdOK2LzRtPv8ATUsLm1Q20e3ykTKeVtGFKFcFCOxUgjtV2ijpYDL0nw5puiyyTWSXDzyLsa4u7uW6lK5zt8yVmYLnnGcVm3fw/wBDvr9b25k1hrhHaSNxrt6vlFshtgEwCAgkYXAxx0rpqKAMq68O2V5pdvp80+pLDb42NDqlzFKcDHzSrIHfr/Exqvofg3SPDkofSTqKKoYCKbVbqeIbjkny5JGXJOTnGeT61u0UAFZmveHdO8TaeLLV1uXtw4cpBeTW+4jpkxspYd8HIyAe1adFAFLTNJt9IsmtbWS8kjZixa7vZrl8kY+/KzMBx0zgVl2vgbRLPTtQsbf+0hBqLbrkNq10zO2ckhzIWUnuVI3Dg5FdDRRuGxS0jSbTQtKh07ThMtrAu2NZriSZlHYbpGZsDoBngcCrtFFNtvVhtsYXjDQJfEPh8wWUqwahbTR3djM5O2OeNtyE4B+U42ng8MeKv6hpcWsaetvfvcxDIdvsV7NbsGx03xsrEc9Oh9KvUUulgMPQvB+k+G3J0k6gilWXyp9UuZ4xubcSEkkZQSecgZ5PPJqO08EaLZafqFlbjURBqTbrkNqt07Oe5DNIWUnuVIz3zXQUUbhsUtI0m00LSodO04TLawLtjWa4kmZR2G6RmbA6AZ4HAq7RRTbb1YbbGHqvg/RtY1Br27huY7mSMRSyWl7PbGZBnCyeU67wMnAbPU+tNvfBOhX1vp9u9tPbQaad1pDY3k1qkR9QsTqCeTyc9T6mt6ilsG5kP4Y0yTxMmvsLv+0Uj8pXF/OI9n93yg/lkcA429QD15qK78H6PeXz3ZW9t5ZG3yiy1G4tklb+86ROqsT3JBJrcooAhtLS3sLSO1soI7e3iXbHFGoVVHoAKmoooA5iT4faFLqU1+ZNZW6mAWSWPXr5CVBJC8TDCgsxCjgZOBWpq3h7TtbtreHUI5m+zNvgmhupYZozjGVlRg4yDg88981p0UdLB1uYGm+CNC0nWF1Wwt7iO+EflPO19O7Trz/rdznzSMnBfcR2xgUlp4I0Wy0/ULK3GoiDUm3XIbVbp2c9yGaQspPcqRnvmugoo8guc9d+G9MsPCSabbabf39vZ4a2t4b5/tKHoPLmklVkIBIB3jA4HpWT4U8OyW/iubWRo11pEIsja7dRvFurq5curF3cSScAKAMuTyeABz29FO+t/wCuwrK1v67mHd+D9HvL57sre28sjb5RZajcWySt/edInVWJ7kgk1rWlpb2FpHa2UEdvbxLtjijUKqj0AFTUUvIfmFYV74N0W/vJLiaC5QzEtNFb308MM5PUyRI4Rye+5TnvW7RQBnapoNhq+lrp10LiK1XAEdndy2vABG3MTKduD93OPbiq+h+FdN8Okf2W+oBBEIliudUubiNFGMBUlkZVxgDIAOOK2aKACoL6xttSsZbO+hWa3mXa6N3H9D3BHINT0UAZ2k6FYaIsn2FJmeXHmTXNzJcSuBnAMkjMxAycDOBk461o0UUAV7+wtdU0+ex1G3jubW4QxywyLlXU9QazNL8IaNpF+L22gnmu1Qxx3F7eTXckSnqqNK7FAe4XANbdFAeRhXvg3Rb+8kuJoLlDMS00VvfTwwzk9TJEjhHJ77lOe9bcUaQxJFCixxooVEQYCgdAB2FOoo8gCucv/AeianqY1C7fVjcq7SI0et3kYiLDB2KsoCZBxhQBjiujooAitrdLS1it4jIyRIEUyytI5AGOWYlmPuSSe9ZekeFdL0PUrq/sPtpubwATvc6jcXAfHTiR2Ax0BA4HHStmijrcOljAsdCuF8b6l4g1F4WL28dlYRxknyoFy7lsgfMztyBnhF56436KKOlg63CiiigAooooAqXOl2d3qNnfXEO+5sS5t3LEeWXXaxxnBOOMkcZOOpq3RRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAGdVmFBJaujFgGyCVYqRkdiOR9arVbtf9Uf96k1dWYbHKaXqMKQadpt215LJfRFp7g3smUZS2MHdkbijdCOla+hNdr4Vs5Ygbq4ljEh+03Dfxc8sQx6Y7VmDwnejTdRjW4gF1Jc+ZaPziNA5YBuM/xvnr1rTu9GmfT9Ot40guUtECSW07lY5cLgE4B6ehBHNeXQjWiuaUdUtPm/nta/zPaxEqE3aMt3r9zflvdR3Wxcs76aW7ltLy3WC4jRZMRyeYjKxIBBwD1U8ED8arNqt9/as+npp0byoiyo4uDsKFmALnZ8p+XoA3X2JqLStJubDV5LgWmn21vNCqNHakr5ZUsf7oDZ3dfl+lOWHWY9YnvVtLFlliSIKbxwQFZzn/Vd93T2roU6nLHmund30vprbp6HK4UlOXLZqytrbXS/X16/oSXurXllb2cj6bue4l8l4lmG5GOcY4wQcHkkYGMjqBNZ6hcSX0lnf2qW8yxiVTFN5ispOOpVSCD7UzVra+uWsms4rdvInEziWZk6AjAwhz1PPHT3pTbXv/CR/axHb/ZfI8nPnNv67s7duOvHX39qpOoqmrdr226W9O5FqTp7JOz6+fqRTs3/AAkll9qsoc4lW3uEuGLKMAtlNoHOB3NTatqU2mm1MVp9qWeUQkLJtYMRxgYwRwckkYqvdQ6xNqVtcpaWO22L4BvHy4YY/wCeXH61JqVvqN0tg0EFrvhmE0qvcMACARhSEOep5IHTpzxPNLlly33XTppfp6lcsHKHNa1tr+vnp+VyWz1C4kvpLO/tUt5ljEqmObzFZc4PJVSCD7VXk1m7Fi+oW+nrNZKhkVhNiV1H8QTbjBHP3s47Z4qVrW8bxF9qMVubQweSSZW39c527cdeOvv7VSvYdQ0/w/PZxvapaw27ItzJId6oBgDZtwTjjO7rzjtU1J1I027vS/T7unbrsOEKUpLRa20u7efW9/LfyNSC8nk0cXj2w80xGUQRSF93GQASByeO1N0e/n1LTI7m7sZLGViQYJc7lwcdwD+lLbJP/YMUcBEVx9mCoXH3W28ZH1pNHi1GHTI01q4juLwE75IhhSM8dh29hXSub2qWtreVr/nf8DGShySsle/d3tr8rfiXqz9Z+0/ZYvs4mMfmj7QLc/vPLwc7e/XHTnGcc1oVTvl1AyQNpzwgIxMqTZxIMcDIBI57/wA6dX4P8v6+/wAjKi7TT0+ZR0tbZtUL2d/eYWAhrK7aXcCWHz4k+btjuOeMc5ms9VuJ7e/a5t4LeWzdlKG4JBwuQSdgwCCDnB4/KnQWt3Pqcd7qCQQtBG8cccMhkzuKkksVX+6OMVQ1iy+1a/bW8D4W7iIvUH8USMCCfqSV9wx9K5n7SnBOPpb12dnqrPp2v6HYlTqT5Zdt97W1eqte6/HQlbXb2PTtPu30xSbxwnlJOSy7hleqgHOOc4x71cs9QuJL6Szv7VLeZYxKpim8xWUnHUqpBB9qbq1re3D2RsYrdxBOJW86Up0BAAwrev6UG2vf+Ej+1iO3+y+R5OfObf13Z27cdeOvv7VUXUjOzbavbbpbfbuQ/ZShdRS0b389Fv8A8OUrO61ptV1FBa2r7HQbHvX2p8g+7+7PXr25rZne5W3BtoY5JuPkeUoo/wCBbSf0qhJa6jbaldXFglrMl1tJE8jIY2VdvZTuGAPSm6np13ew2nmC1uzESZreXdHFMSMZ/i6dgcilDnhCS1bu/wA/Ttr1HP2c5xeiVl37evfTp+pZs76aW7ltLy3WC4jRZMRyeYjKxIBBwD1U8ED8apSa7cW63UVzZwx3kbAW9uLgk3IPdTs/kDjvgc03S9JurDVpLlbPTreCaFUMVqSuwqWI/hw2d3X5foaG03Urnzrq7SAX6H/RDFdNsiHp9zj34O7pwMATz1nBbp6306fdvbb8S1CgqjvZrTr1+/bvvpqjZt2me3RrmNYpSMsivvCn0zgZ/KpKhtDcm1j+3LElxj5xCxZM+xIB/wA96mruWqPPlpJmTHqt9cxG6stNWW05KMbjbJKo7qm3HPbLDPtRe6xNFa2l3YW8Nxa3JRfMlnMezfwpI2HjJA9cnpVJPDcVriGLRtIu4gfllnXbIBnofkbcR65Ga1pNNSbRW09xHGrReX+4TYqH1UZ4weRXFD27i77/AK9tlv8AP1O+f1aMk0rq/wCH3vX7vQjOoXf9u/YI7WFoxEJXm88gqpOPu7MZJBxz0U9KS+v76xSa4axhe0hUuzLcnzCoGSQpTH4bqNGsbq1hlm1J4pL24YNK0RJXAAVQMgHGBn6k1jz+GrqazuLd7PS5Z5FkAv5yzytnOCRt4PPZiB2HaipKvGneN23d/wCS2/ruEIUHUtK1lZdde73X4fcdJPbW1/bhLqCK4hbDBJUDA+hwao+G1CeHrVVAVQGAAHAG41Pu1GKxhEVtavOBiRGuWVR9G2En8hVfRLfUbK1jtbyC1EcYb95FcMxJJz90oPX1rZ8vtk0uj6PysY2fsZRv1XVeZn6hDd3/AIkEFxptjdwxW5eKK4uG28tjeR5ZG7HGOcetbQiltdOjjsLO1V1AHkCQxxr64IQ9/wDZGfaqMkOrjWmvIrWyZBEYVVrt1JG7IY/uzj6c/WtCd71YYza29vJKfvrJOyKvHYhDn8hWVKKSk3e7v089Omv4mlWTahFWsvP/AIOn4Ffw+Yf7BtRbW4togpCxCQuEwSMbjyap3PiNobyaBYbVTExURXF4Ippcd0Tacg9jkZqxolvqNlax2t5BaiOMN+8iuGYkk5+6UHr60gj1vyJIJksLoSM43yOy7UJOAVCENgY7jPT3Kcqnso8t07duvby+6w7U/bTcrNX097z3v1+buaNtK09pDLJGYnkRWaNuqEjOD9KzNCJu59Q1KTlprhoY/aOMlQB9TuP41o2Vv9jsYLYyNKYY1TzH6tgYyazdCU2cuoaaw+aGdpogT96OQllP57h+FbS/iwvtZ/fp+lzKNuSpy+X3X/zsNk124t1uormzhjvI2At7cXBJuQe6nZ/IHHfA5rXt2me3RrmNYpSMsivvCn0zgZ/KsZtN1K5866u0gF+h/wBEMV02yIen3OPfg7unAwBLq2oX2n+F5riVIl1DYERYCXUyMQq4yB3IOCPzrKNWUIylUu0lfb+tfI0nShNxhSSu2lv18tdvPubFc1qEN3f+JBBcabY3cMVuXiiuLhtvLY3keWRuxxjnHrW7p8dzFp8CX83n3IQebJtAy3fgADFZ0kOrjWmvIrWyZBEYVVrt1JG7IY/uzj6c/WrrrmUb3tfXS/T0fUnDv2c5Ws9HZ3t92qLwiltdOjjsLO1V1AHkCQxxr64IQ9/9kZ9qh8PmH+wbUW1uLaIKQsQkLhMEjG48mrE73qwxm1t7eSU/fWSdkVeOxCHP5CqeiW+o2VrHa3kFqI4w37yK4ZiSTn7pQevrVXtWXp29Otv1I3oyva977+vS/wDwSvc+I2hvJoFhtVMTFRFcXgimlx3RNpyD2ORmti2lae0hlkjMTyIrNG3VCRnB+lZwj1vyJIJksLoSM43yOy7UJOAVCENgY7jPT3LNUml0Lwkwt5HluIYVhhdhuZ5DhVOO5yRWUak4RlOpdpK+1vl5ms6cJuNOmldu297+fl9xs1mx6jd3SefYWUctrkgO8+x3AOMqu0jB7ZI/CrWnx3MWnwJfzefchB5sm0DLd+AAMVSgtdS0+3WzsltZLdMiKWWRlaNc8AqFO7H+8M+1bVHLS10vLe/4+f8AmYwjBcydm/wtrd9PL/IjuteeP7A9nZ/aob4lIyJNrh9pOCpGMfLyc8c8GrcF7crdJb6jbRwPKCYmhmMisRyVyVUg456dAeazL2xks20O1spQJIp32vIMhj5Tk5A9eenTNaEVteXV7DcajHbwi3yY44ZDJliCNxYquOCRjHfrWUJVXJpvW69Nlf8AXqb1IUVBOKVrPW7vu7afd0KNnda02q6igtbV9joNj3r7U+Qfd/dnr17c1s3DXIt820MMkvGUklKL7/MFJ/SqElrqNtqV1cWCWsyXW0kTyMhjZV29lO4YA9KtyNqEdrH5Udtcz/8ALQtI0K/UcOfwp01KMZKTfXp5vbTX8TOryylFxS2XXyV766fgQeHzD/YNqLa3FtEFIWISFwmCRjceTSR6jd3SefYWUctrkgO8+x3AOMqu0jB7ZI/CmaJb6jZWsdreQWojjDfvIrhmJJOfulB6+tEFrqWn262dktrJbpkRSyyMrRrngFQp3Y/3hn2ojKfJHdaa2XXTpb18ipxg6k3o9dLvpr1vvt1uNvNcaK1sbmytTdw3cgjAD7XViDjgjHY5yRip7PULiS+ks7+1S3mWMSqYpvMVlJx1KqQQfaqtxpV3Baabb6csMy2koldp5ShYgHphT1LE+1WDbXv/AAkf2sR2/wBl8jyc+c2/ruzt2468dff2pRlV5/evv2029O/mOUaPJaKXXW+u+nXt5FS58RtDeTQLDaqYmKiK4vBFNLjuibTkHscjNWtRhfU/Djko1vcNCJowc7opANy++QQKYI9b8iSCZLC6EjON8jsu1CTgFQhDYGO4z09yt6x0fwwYld55o4RBEW+9LIRtX8SSKi83CfO3a3axVoKUPZJc11s73/yLemXg1HSrW8A2+fEsmPTIzirVVdMsxp2lWtmDu8iJY8+uBjNWq7o3sr7nFU5ed8m19Chd31xb6raWsdvE8VzuzK0xUqV5I27Tnjkcjv0qKbV3/tCwhso7e6gvN2JluPuhfvHAUgjoOvU4460niDTLnU7GNLCZILmOTckj5+UFSrYx3wxx74qtpXh+TTNaklV4/sEcZW0iBO6PftL54xjK5H1rjcq/teVLS++n3fg180dcI4d0ueT1Semur6fmvuZPOzf8JJZfarKHOJVt7hLhiyjALZTaBzgdzWlc2lveQ+VeQRXEec7JUDDP0NZd1DrE2pW1ylpY7bYvgG8fLhhj/nlx+tX5ZL8W8ZgtrZ5j/rEe4ZVX6MEJP5Crg1aSkna/b08tTOon7nK1e3fbV+en5FXw2oTw9aqoCqAwAA4A3GobqztYPE+nTw20Mc0vneZIkYDP8vc9TUuiW+o2VrHa3kFqI4w37yK4ZiSTn7pQevrUd1DrE2pW1ylpY7bYvgG8fLhhj/nlx+tZ6exhdO6t0fS1zXX282pKz5uq63t1NmkdFkjZJFDowIZWGQR6GmxGQwqZ1VJCPmVG3AH2JAz+QpzlhGxjAZ8HaGOAT7nnFdrtbU4NUzm9CubyLS2h07TY3hgnnXLzeVn963CAKcgDjnaK031kSW9q1hA1xNd58uJ22bdv3ix5xg8HAPJFU9Os9c060aFRYzeZJJIN0rjydzlsD5fnHP8As0+fw7E9laJ5dvdy2u84uo8pKXOXyOdpJ5zzj3rgh7aNJKN7pLf5badr9z06vsJVXKVtW9ru+++ve3bqXba/mN59kv7ZbedkMkZjl8xJFBAOCQDkZHBHfjPOL1ZOm6ULa68/+y9LsSFK/wCiruZs/wC1tXA9sHNa1ddJycfe/r8vyRxVlBS9z+vxf5spavezadpk15BBHP5CNI6PKU+UAk4IU5PHTj6022vb2eaMvp/lW0gysjTDevGRuTHAPsSemQOcJrdveXmlT2ljHAzXETxM00pQICMZGFOevTiprJr4grfW9vCFACmGdpM/XKLj9ai8nVau7adNOt9behaUFRvZX1669LaX/Qpx6rfXMRurLTVltOSjG42ySqO6ptxz2ywz7U2bWrhriyXTrOK6ivYjJFI1wY8YAJ3DacDBHTJz2qonhuK1xDFo2kXcQPyyzrtkAz0PyNuI9cjNW/7PvI9R054YbMW9rGyPsYx/exnam0gAY6bu/audOu42baen569NrevqdLjhk/dSa18ujtf3t727enY0/XJbya282xMEN3uETGUM25RkgqBgDg4OT05AzU0eo3d0nn2FlHLa5IDvPsdwDjKrtIwe2SPwqna6XqNvHpwKWrNZzSFv3zYZGBGfudfm6dOOtWYLXUtPt1s7JbWS3TIillkZWjXPAKhTux/vDPtVQlVsuZv7tdl5epNSNG/uJffpu/PtYbd61NHa2l3Y20M9tcOqF5ZzEYyxwMjYeM4H1NTHULv+3fsEdrC0YiErzeeQVUnH3dmMkg456KelL/ZEX9gnSy7FDEU8z+LJ53fXPNN0axurWGWbUnikvbhg0rRElcABVAyAcYGfqTWiVbnSb036fNffb8TN+w5G0tVdLfW+z+Sv+BHHqt9cxG6stNWW05KMbjbJKo7qm3HPbLDPtUz6qskFq2noLmW7TzIUZtg24BLMcEgDI7E5I4rMTw3Fa4hi0bSLuIH5ZZ12yAZ6H5G3EeuRmtB9OlhW0mslthcWqNGIwpjiZWxuUAZ28qCDz096iEq/L739d7aL9S5xw91y/L7tL6vrbt/lShMreMbdrqwjtrg2ku6SJt6yjdHj5sAnHPBHGfeugrGS11aTXbe/uFsxEkTxGFJWJQMVO4MV+Y/L0wuOOa2a1w6ai793uY4lp8trbdHfqyG6a4WE/ZIopZM/dllMYx9QrfyqpoBh/sG1+zW4togpCxCQuFwSMbjyatXT3aIv2GCGZs/MJpjGAPqFbNUdFt9RsrWO1vILURxhsSRXDMSSc/dKD19aG7Vuu3b062FFXoPbddfXpf8AS5Wj13UZLe6mXSU22buk3+lY3Fevl5T5uPXb6VtwyrPAksfKSKGXPoRmse3sdTTStRglhtBLcPI8YW4Yr85OQTsGMZ9Dn2rS06OeHTYIrpY1ljQIwjcsvHGckD+VTh5VNptvRbrr16F4iNOzcElr0d+nqyzWbfX99YpNcNYwvaQqXZluT5hUDJIUpj8N1aVcrP4auprO4t3s9LlnkWQC/nLPK2c4JG3g89mIHYdqMRKpGP7ta/15P9PUWGjSlL949P681+vodSrB1DLyCMilqG0Ey2kS3KIkoXDLG5ZR9CQM/lU1dWnQ5ZKzsc1qEN3f+JBBcabY3cMVuXiiuLhtvLY3keWRuxxjnHrWm07aY2nW0VlbxQTv5TLFJgRNtZvlXbgj5Tzx9Kgkh1ca015Fa2TIIjCqtdupI3ZDH92cfTn61a1C1uLqG1liEQuLeUTCNnOxjtKld2M4+Y847dK4acWk5K9766dL+muh6E5RahCVrW79bevcWK+mOsyWM0EaKIvNjkSUsWGccjaMH8TWdZ3WtNquooLW1fY6DY96+1PkH3f3Z69e3NWYbbUzriXtxHaLE0HlMkcrFk5zkEqN3/juPelktdRttSuriwS1mS62kieRkMbKu3sp3DAHpQ/aSUZXejfTprbp6fqKPs43jZaxXXrdX1v/AF0LF3fTWt1ZRmCNo7mTymbzTlG2luBt5HynuKSK+mOsyWM0EaKIvNjkSUsWGccjaMH8TTbyzu57a0cPDJdW0olxgxxyHaVI/iKjDH1qGG21M64l7cR2ixNB5TJHKxZOc5BKjd/47j3rXmmp2137dLf5/P5GajTcL6bPr1v/AJf1cRtVvv7Vn09NOjeVEWVHFwdhQswBc7PlPy9AG6+xNTS6lcRQ20f2HN9cbsW5lG1dv3mL8/L05xnkcdcVlh1mPWJ71bSxZZYkiCm8cEBWc5/1Xfd09qn1bSU1L7PM8FtPLb7tsVym+NgwGR046DnB6dOazUqrg2m7+atpf07FtUVOKaVrdHfW3rtf09SW2v5jefZL+2W3nZDJGY5fMSRQQDgkA5GRwR34zzi9WTpulC2uvP8A7L0uxIUr/oq7mbP+1tXA9sHNa1dFJycfe/r8vyRz1lBS9z+vxf5spavezadpk15BBHP5CNI6PKU+UAk4IU5PHTj6022vb2eaMvp/lW0gysjTDevGRuTHAPsSemQOcJrdveXmlT2ljHAzXETxM00pQICMZGFOevTiprJr4grfW9vCFACmGdpM/XKLj9ai8nVau7adNOt9behaUFRvZX1669LaX/Qpx6rfXMRurLTVltOSjG42ySqO6ptxz2ywz7Vc22WsafE8kMV1bTKJFWWMMDkZBwe9YyeG4rXEMWjaRdxA/LLOu2QDPQ/I24j1yM1reXd2djDFY21o7INrJvMEaj/ZAVvyrOm6ji/ar9f0X6mlWNJNexet9Omnnq/0IPDahPD1qqgKoDAADgDcabHqt9cxG6stNWW05KMbjbJKo7qm3HPbLDPtS6Jb6jZWsdreQWojjDfvIrhmJJOfulB6+tUU8NxWuIYtG0i7iB+WWddsgGeh+RtxHrkZqL1VTgo9tfXTyfmW1SdWbnZ3d16a+a8ups/a3udPiudNSOfzVDoJJDGCCM8nBI/Ko7O+mlu5bS8t1guI0WTEcnmIysSAQcA9VPBA/Gql9pEs1pZRRQ2c0duT5lowMUMnGBwA2MdgQRzTNK0m5sNXkuBaafbW80Ko0dqSvllSx/ugNnd1+X6Vpz1fapNadfu9O+m5Hs6Ps5NPXp339e3l+Ilz4jaG8mgWG1UxMVEVxeCKaXHdE2nIPY5GauTanKlvaCK0Z7y7Tctuz7AmAC25iOAMgdCckcVEI9b8iSCZLC6EjON8jsu1CTgFQhDYGO4z09yy60COaysUdYb2Wyj2KLxNyyggA564PAOecVCdflbTfTpb179PUu2Huk0l6Nu+nytr6Fu2v5jefZL+2W3nZDJGY5fMSRQQDgkA5GRwR34zzi9WTpulC2uvP/svS7EhSv8Aoq7mbP8AtbVwPbBzUl1Bq767aS2l1CmmqpFxCy5dzzjBx9O4/GtoTmormTev9N7fl8jCdOnKdotLT+rb7+u5pUUUV0HKZ1W7X/VH/eqpVu1/1R/3qAJqKKKACiiigDmvEfiO70fUY7e2jhZGiDkyKSc5I7EelZH/AAnGpf8APC1/74b/AOKqp8SpL6PVLddLgjlnkiVd0rYSIbny7DqRx0HJJHQZI4+wv76PWX0rVmtppTB9oimtkaMMu7aQyFm2kEjB3HPPTFAHd/8ACcal/wA8LX/vhv8A4qj/AITjUv8Anha/98N/8VXn5vdYvb68OmfYorWzk8rbcIzPcMAC2GDARjnAOG7nHrqafexalptve22fKuI1kTPXBGaOlwOs/wCE41L/AJ4Wv/fDf/FVVk8SPLeC6l0rTHuQQRM1vl8jp82c1i1zvirxDdaP5EOlxQzXDESzeaCVih3BSeCOSSAPx9KlxUrXRUZSjrF2PRv+E41L/nha/wDfDf8AxVH/AAnGpf8APC1/74b/AOKrjNXv5bKCBbZFae5nWCMuDtUnJ3NjqAATjjPTIzmorC8vU1N9N1R4JphCJ0mt4mjUru2kFSzYIOP4ueemKrcnY7j/AITjUv8Anha/98N/8VR/wnGpf88LX/vhv/iq841S48Q6bpt9qE2oaVFDbiSRY/sEkjbATtBbzlyxGO3U1q+ZqUmkW7xR2y3rohlEpYJGSPmIAyTg9BkZ9RQHU7L/AITjUv8Anha/98N/8VXXw6NpdtOs1vptnFKpysiQKrD8QK8T07UL9dcl0rUpLW5kWATie1jaMKC2NrIWbBPUHdzg8DFe81LhGVm0VGco3SdgoooqiQooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAKt1pdhfSB72xtrl1GA00KuQPTkVZVQqhVAAAwAB0paKlRim2luU5SaSb0QUUUVRIUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAGdVu1/1R/3qqVbtf8AVH/eoAmooooAKKKKAPLfiz4htfD+oWkly8Sy3ESxQCaURoWy5+ZzwqgDJP5AnAPHeHL3SJr6VYNZtdW1a4j824lt5A4VVIAVcEhEBbhc5OSeTk16t4q0TUNS1SOayt/NjWEKTvUc7mPc+4rE/wCEU1r/AJ8v/Iqf40IGeeaqujtqN5Fb61cxXc2Dc6ZYXCeZcNgAfLgupIwCyleOSeM1q6PbHQPCVtDcrzZ2oMix/NjAyQPX0Fdd/wAIprX/AD5f+RU/xo/4RTWv+fL/AMip/jR0sPS5yXhvxDaeKNEj1TT4544JGZQs6BWyDg9CR+tcj4pe/wBHtdXuNR/sgHUZ08mWbUWjkMSMuxFQxc45Jwx5YmvW/wDhFNa/58v/ACKn+NH/AAimtf8APl/5FT/Gh+Qumpxeuv8AadEtXmZBaSSxvdyQuWCx/e3K4wQNwX5xjA54xkQaE9o+tzNol0b7T2tl8yc3LXA80McASMSTwTkbiBxwM893/wAIprX/AD5f+RU/xo/4RTWv+fL/AMip/jR1DocT4oH2w6bpA5+3XamVfWKP94/4HaF/4FWpqGo2mm24l1CTyoWbaZGUlV46sQMKOOpwK6L/AIRTWv8Any/8ip/jR/wimtf8+X/kVP8AGjoHU880L+yx4mf/AIRIQf2a0DG8NoB9nMuV2bdvy78bs47Yz2r6Lrzf/hFNa/58v/Iqf416RR0AKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAM6rdr/qj/vVUq3a/wCqP+9QBNRRRQAUUUUAFFFFAHMy/EHQYmuPl1eVLaSSKWWHQ72WNWjYq43rEVOCpBIOOK6Czu4L+xgvLR/Mt7iNZYnwRuVhkHB5HB71zfxGmkPg+TTLZitzrM8WmxEHGPOYK5/BN5/CunghjtreOCBQkUSBEUdFAGAKFs/69f0B76f12/UfWZq/iLTNDeKO/mk8+YExW1vBJcTSAdSsUas5AyMkDAzWnXnOi3viPVvHHir+yF06zSyvlt5LrUIHneVREhSJFR02IAS+4k8yH5etG7t8/wCvvHoldnaT6/p1po8Wp3kz21tNtEYuIHjkZm6IImAfeey7d3tTNI8S6Zrk00NjLMtxAA0ltdWsttMqnoxjlVW2nBw2MHB5qXRNU/trQ7e/WMQtMp3JncEcEqwzxkAg88ZHpXNaUmpWXxJK+J7i3vLu709xp89lCYIliR0MqNGzOwfc6HcXIIHAUg7mvit/WxPS6NS68b6NaaldWBXVLie0cRz/AGPR7u5WNioYKXjiZc7WU4z3roEcSRq65AYAjcpB/EHkVyEWh+KtP1vXLzSr7R4ra/vFukiubaWV3AhijKlldBHzGecP1zjtVfxF48hg+GdjrltcQ6bNrSww2kt3Iqx20kw++7NgYQbm99uO9L7N+un3v/glW18jpNI8SaTr13qFtpN4LmXTZ/s90FRgI5PTJADdDyMjitSvOvhtdeHI/Emv6Z4Y1WyvreCK08s290kxcCPDOSpOTuPJ9TXotBKdwooooGFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAZ1W7X/AFR/3qqVbtf9Uf8AeoAmooooAKKKKACiiigDOv8ARbbUdW0y/uXlL6bI8sMQI2F2QpuYYySFZscjqatXtpHf6fcWcxdY7iJonKNtYBhg4PY89anopNXVmNNp3MDwV4O0/wAB+F4dB0ia6mtYXd1e6kDuSzZPQAY57AUup+FUvtTlv7HVtS0i4uI1juTYvGBcKudu4SI2CASNy7Wx34GN6im/ed2JabGTP4dt20W202wur3TI7QDyJbOcq6YBHO7IfryHDAnk881FpHhmLTNSl1K61G+1bUZYxD9rvmj3Rx5zsRY0RFBPJwuSQMk4GNuii+tw6WOYuPA8Ly3QsNa1fTLO9dpLmys5oxFIzffILIzx7jkny2Tkk9Tmuhs7S30+xgs7KFILa3jWKKJBhURRgAD0AFTUUBu7mFonhhtG1rUNSk1vUtRlvwolS7WAICowpHlxIeBx1PvzzW7RRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAZ1W7X/VH/eqpVu1/1R/3qAJqKKKACiiigDlPiTdG08IK5uri0jbULOOaW2meKQRtcxq4DIQwypI4Oead4SfQPtVzHo1zrRuNgMkGsT3xcLnhljuznGeNyjHbNa+tzavbWkc+hWtveSRygzW0r7GljwchH6K/QjdwcY4zuGRYQ6trPjG21q/0qbR7Sws5reKC5miead5WjLMRE7qqqIhj5iSW6DHLj29fy/r7xvYy5Ta3+qeI7/XvEV5pp0i4EcUcV+1tFZxeWrLIyAhZN5YnMgZTjaBwc9N4T1lvEXhDStXkQRyXlqkroAQFYj5gM9s5rK1uzOq61x4Khub614stZ1BLZ4ouh3Kd5mGDk4CDJHUZzWvYaZJ4f8JRadpIFzNZWnlwecQoldV4LY6Zbrj1pJ2h939fPqFve/r+v6+/VrgpTa3+qeI7/XvEV5pp0i4EcUcV+1tFZxeWrLIyAhZN5YnMgZTjaBwc73gq88T33heGfxzp1rpusF3ElvavuQLu+U8M3JH+0f6ClrdmdV1rjwVDc31rxZazqCWzxRdDuU7zMMHJwEGSOozmhpp6CWqKw8TXOt+CfDNxDIbK48QyQwySRghosxtJJsz0OI2UHtkHtVrTY28PeNotEt7q8uLG/sJbtFvbuS5eGSJ41OJJGZtrCUcEkArxjJp134Wez8LaNZ6SftFxoUsU8AkIQ3BRSrgnopZWfnoCfSpNNtb7VfFUev6jp02lJa2clpBa3MkbysZHRndvLd1A/doANxPLZxxVac3zf3W0/EHt8l99/wDIzo7ObxTFq2q/2rqFpPaXk9tYC1upIo4PJYpl4wQkpLqxO8MMEAY76lr4thX4cWvirUkKJJp8d3JFGMksyA7FHcljtA7kiqItta0JtU07StIkvotRuJrm2uxNEkVs8vLCUMwfAcs2UV8g9jVi48DwXPhDRtBGpXlomkG3aKe2Ee52hXCllkR1IyA2COoB7VK2+79b/wBdRu3N9/8AwP66Gb8PV1qLWPEMPiK+mubtpILh4nmLx2zSIWMUYPAVcheOuM967quD8D6Zr1p4w1671lNc+zXaReTLqbWH7woNpJFtyD6cAY6813lBKCiiigYUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBnVbtf9Uf96qlW7X/VH/eoAmooooAKKKKACis7WtSudNs42sNOm1G6mlEUUMfyqCQTud8EIgAOWOewAJIBp6Rr17caxLpGu6bFp9+sH2mL7PdfaIZ4920lXKI2VJUEFR95cE0bhsbtFcxceKtQaS+uNL0iK80vTZZIrqZ7wxzM0Yy/lReWQ+OnzOmSD7E9Fa3MN5aQ3Vs4khmRZI3HRlIyD+RoWquGzsS0UVh6jrt6NSfTfD2mJqN3Coa4ee5+zwQZGQrOFdt5HIVVPGCcZGQDcoqg13qEOmQyzaZ514+Fkt7S4V0jJ6nfJsyo9duf9mofDOtP4g8PwalLbLavI0iNEsnmBSkjIcNgZ+7noOtArmrRWHqOu3o1J9N8PaYmo3cKhrh57n7PBBkZCs4V23kchVU8YJxkZkv73xDDptk1ho1jdX8zhbmJ9SaOG3G1iW8zyizjIC8ID82cAA0FWNiiua0fxFq9z4rm0PWtKsbWSKyF2ZLLUHuQAz7VVg0MeCcMR1+6a6WjpcXWwUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAZ1W7X/AFR/3qqVbtf9Uf8AeoAmooooAKKKKAM3W9cttDtEkuFkmnnfyrW1hG6W5kwSEQeuASScAAEkgAms3QNOkh1iXUvENzbv4gvYPlto5AVtbdWH7uMdWAZhufHzMR0G1Rq6toOka/DHDrulWOpxRtuRLy2SZUPTIDA4NQaT4V8PaDcPcaHoOmabNImx5LOzjhZlznBKgEjIHHtQt/6/r/gfMHtb+v6/U5K6s5brTPFd6dal0qKKe4WXT4/KMDbVwGl3LvBkGGOx0yGGOSWPZ2d8kPhuC/vohYRpaLNNGwwIAE3MCP8AZ5/Ki78P6Nf6nDqV9pFjc31v/qbqa2R5Y/8AdcjI/A1edEljaOVVdGBVlYZBB6gilqo2W+n4f18h6OV/X8TM8N+J9H8XaLHq3h28F5YyMyLKEZOVOCCrAEfiK4nStHe88c+LU8Raze2cdvdLd2traXz2i+S0aj7Q5jYFx+72YY7R5Z45r0HTtMsNHsUstIsbaxtUJKQWsKxIuTk4VQAMnmodT0DR9baFtZ0mx1Brdt0Ju7ZJTGfVdwODx2pve69P6+4XSzIPCt9can4VsLy8YySzRbvMIA81cna/AA+ZcNwAOeKz/h1/yI9r/wBd7r/0okrb1PR9M1uzFprOnWmoWwYOIbuBZU3DodrAjPJqppXhLw5oV01zomgaXptwyFGls7KOJypIO0lQDjIHHtT6iscXpWjveeOfFqeItZvbOO3ulu7W1tL57RfJaNR9ocxsC4/d7MMdo8s8c12nhW+uNT8K2F5eMZJZot3mEAeauTtfgAfMuG4AHPFT6noGj620LazpNjqDW7boTd2ySmM+q7gcHjtWh0pLRW/rT+v66N6u5yXgr/iY6n4i8QNyt9qBtrc9jBbjyhj6uJTn3rraitbS3sbVLayt4reCMYSKFAir34A4FS0dEHUKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAM6rdr/qj/vVUq3a/6o/71AE1FFFABRRRQAUUUUAV5NQs4b6Gymu4I7u4DGGBpAJJABklV6nHfFWK5HWLC0s/HnhiS0tYYHuLu6kmaKMKZW+zv8zEdT7muuoEFZt54k0PTtSi0/UNZ0+1vZyBFbT3SJJJnptUnJ/CtKuT8ZWF9F4e1CDw54e0y8S/SQ3wdgrsWABcRbMTNjJwzpnAGeaTdlcpK+h0eo6lY6RYve6te29jax43z3MqxouTgZZiAOTiqmk+JtB1+SVNC1vTtTeEAyLZ3ccxQHoTtJxXP6raS6v8NdG/4RkPqojk064gMkgjaaOOWJyzFsYO1ST3z2zxWtpuu6gdaTSfEOm21hdzwvPbG0vDcxyohUOCWjjKsC68bSCDweDV21a83/X9diVdpM1b/UrHS4Fn1O9t7OJnWNZLiVY1LtwFBJHJ7CjUdSsdIsXvdWvbextY8b57mVY0XJwMsxAHJxXmnj3/AIqcatdN82m+HZI4Lf0lvGdPMf38tGCD/aeT0rsvHFhf6j4eij0m1+13MWoWdwIfMVNyx3Ebt8zcDhTUdvO33P8Aq/oV1sXtJ8TaDr8kqaFrenam8IBkWzu45igPQnaTitSsHTdd1A60mk+IdNtrC7nhee2NpeG5jlRCocEtHGVYF142kEHg8Gt6qEFFFFIAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDOq3a/wCqP+9VSrdr/qj/AL1AE1FFFABRRRQAUUUUAclq/hzxPqPiGz1K21/SbdNPlke1hk0eWQgOhTDsLld2AeoC89q6KS2u59Fe1mvBHeSW5ja6t4ygVyuN6KWbGDyASfqat0UrXVg2dzA8FeHtQ8L+F4dL1fX7rxBdRu7NfXQIdgWyByzHA6ck/wBKiv8ARPE9w9xBaeKo4LK4Y5L6arXUKk8rHKHVBgcAtGxHfJrpKKb13BaKyMO48NiPw/Y6boN/caQdOCC1kiO9QFXbtkQ8SKR1B57gggER6Z4fv114az4h1OHUL2KBre2W1tDbwwIxVnIQu7FmKJklui8AZOegop3d7h0scL4x+F2k+JLeQadpvh2wuriQyXN5caIlxNIdwbIYOhBJByTnINdFf6Jc3OjWdtYai2l3VnsaKWzj2xZVdu0wkkGMgkbCeOMEEA1sUUtlYOtzn9M8P3668NZ8Q6nDqF7FA1vbLa2ht4YEYqzkIXdizFEyS3ReAMnPQUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAGdVu1/1R/3qqVbtf8AVH/eoAmooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigD/2Q==)

Fig 11 Evaluation of Fuzzy Rule 77 Console

Where *Fig 12 and 13* shows the surface plot of Temperature and Humidity with Heater and Cooling-fan.

![Chart, surface chart

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAkACQAAD/4RD4RXhpZgAATU0AKgAAAAgABAE7AAIAAAAPAAAISodpAAQAAAABAAAIWpydAAEAAAAeAAAQ0uocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEFiaGlqaXRoIFNoYWppAAAABZADAAIAAAAUAAAQqJAEAAIAAAAUAAAQvJKRAAIAAAADOTMAAJKSAAIAAAADOTMAAOocAAcAAAgMAAAInAAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADIwMjE6MDU6MDcgMDE6MjM6MDgAMjAyMTowNTowNyAwMToyMzowOAAAAEEAYgBoAGkAagBpAHQAaAAgAFMAaABhAGoAaQAAAP/hCyFodHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLjAvADw/eHBhY2tldCBiZWdpbj0n77u/JyBpZD0nVzVNME1wQ2VoaUh6cmVTek5UY3prYzlkJz8+DQo8eDp4bXBtZXRhIHhtbG5zOng9ImFkb2JlOm5zOm1ldGEvIj48cmRmOlJERiB4bWxuczpyZGY9Imh0dHA6Ly93d3cudzMub3JnLzE5OTkvMDIvMjItcmRmLXN5bnRheC1ucyMiPjxyZGY6RGVzY3JpcHRpb24gcmRmOmFib3V0PSJ1dWlkOmZhZjViZGQ1LWJhM2QtMTFkYS1hZDMxLWQzM2Q3NTE4MmYxYiIgeG1sbnM6ZGM9Imh0dHA6Ly9wdXJsLm9yZy9kYy9lbGVtZW50cy8xLjEvIi8+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczp4bXA9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8iPjx4bXA6Q3JlYXRlRGF0ZT4yMDIxLTA1LTA3VDAxOjIzOjA4LjkzMTwveG1wOkNyZWF0ZURhdGU+PC9yZGY6RGVzY3JpcHRpb24+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iPjxkYzpjcmVhdG9yPjxyZGY6U2VxIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpsaT5BYmhpaml0aCBTaGFqaTwvcmRmOmxpPjwvcmRmOlNlcT4NCgkJCTwvZGM6Y3JlYXRvcj48L3JkZjpEZXNjcmlwdGlvbj48L3JkZjpSREY+PC94OnhtcG1ldGE+DQogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgIDw/eHBhY2tldCBlbmQ9J3cnPz7/2wBDAAcFBQYFBAcGBQYIBwcIChELCgkJChUPEAwRGBUaGRgVGBcbHichGx0lHRcYIi4iJSgpKywrGiAvMy8qMicqKyr/2wBDAQcICAoJChQLCxQqHBgcKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKir/wAARCAGOAl4DASIAAhEBAxEB/8QAHwAAAQUBAQEBAQEAAAAAAAAAAAECAwQFBgcICQoL/8QAtRAAAgEDAwIEAwUFBAQAAAF9AQIDAAQRBRIhMUEGE1FhByJxFDKBkaEII0KxwRVS0fAkM2JyggkKFhcYGRolJicoKSo0NTY3ODk6Q0RFRkdISUpTVFVWV1hZWmNkZWZnaGlqc3R1dnd4eXqDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uHi4+Tl5ufo6erx8vP09fb3+Pn6/8QAHwEAAwEBAQEBAQEBAQAAAAAAAAECAwQFBgcICQoL/8QAtREAAgECBAQDBAcFBAQAAQJ3AAECAxEEBSExBhJBUQdhcRMiMoEIFEKRobHBCSMzUvAVYnLRChYkNOEl8RcYGRomJygpKjU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6goOEhYaHiImKkpOUlZaXmJmaoqOkpaanqKmqsrO0tba3uLm6wsPExcbHyMnK0tPU1dbX2Nna4uPk5ebn6Onq8vP09fb3+Pn6/9oADAMBAAIRAxEAPwD6AooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiio5J4Yf9dKkf+8wFAElFZsviPQ7cEz6zp8QHXfdIMfmaoyePvB8RYSeKtFUqMkf2hFkD6bqAOgormh8Q/CrqGg1iK4UjIa3R5QfoVBzSjx7obNiMarJ7x6LeMPzEWKxlXow+KSXzQ+VvodJRXMah4+0qw09rw2msTRqRvEek3ClR/eIdF4/z61XtPiAupWy3Gk+G9Yv4G+7LA9ptP0LTgGsZY/CRjzSqxS/xL/Mrkk+h19FcqfFesP/AKnwjer/ANfF5br/AOgu1UtS8Y+KLGBZYfBiXCE4bbqeWQY6lViYn/gIJ9q5/wC2Muvb28fvQ/ZVOx29FcDaeONZ1GFpLaPw5CEOJFk1OUvEf7ro0KMp9iAfao5vGWqRjM3iHwjaD1d2f8f9atZSzzL4uzqa+kn+g/Y1Ox6FRXkeofEDW45Vay8Y+D7+AcSJZhI5wf8AZWS5Kn6FhTofHiXbxxf8J3MtxIpb7Pb6ODKMHB+XY+QD3GR7nrSlneDUeZcz9Iy/y0+Y/YzPWqK8wTX585TxP4wuPQJ4eUKfofseP1rFv7nxIL57mxufFmq2znLWcsRs399kihQPXBQem4VzriLBt2tJeqt+bX42RX1eZ7TRXjLarZ/2gljd6R42S7kA2rd640CSHH3VJulVyPRcnitD+xWl/wCZLvH/AOv3Wdx/9GP/AJ9a5qnFGGh/y7l83Bf+3DWGk+v5/wCR6qSACScAdSaqz6rp9t/x839tD/10mVf5mvH4/AeoQ3ySWXhPw69rv3SW2r3AuT152SeQzqfqzAdhTGv4dIvvsuqeGvCXh8s2Ippvnhl9xIsYA+jbTz09Y/1mhN2o0+b/ALejf7lf8Lj+rtbs9Tn8aeFrXP2rxLpEO04PmX8S4P4tVc/ELwif9V4i0+f/AK95hLn/AL5zXEyaqtvE0c3iLwPYRlSrI0W8Y7jHnJx/hWXa3Vvp7E6N8RdEtY9pAtbK0MkGccEI077RnnCbelZriaUk7UrP/t5r8ID+rrv/AF956SfiB4dP+rurmb/rhp9xL/6ChqvffEnQNPszdXEWsLEDgs+i3cYX3JeMAD6mvO7fxjqCTGLXPEOpRRgEm90vS1mg4/vZiZ0P1UjrzWwbsSgg6542uQeCP7F8nP8A5KpWNTiLGQkr0lb/ALef48thqhB9fyOth8ewXUKTWGha1dROMq8duiqw9QWcZpx8X6i3+q8G6yPeWezUH8pyf0rz5NAtIBcvo9r4ztZ7ghne3ZYQ7f3iu5FJPc9e2RUUUeoWLKviHw14hmillSCC7XXpEEjscKrRG7YJk4GdxBJHAyBWMuI8XK/s+X0a1/Ga/wA/Ir6vHrf+vkekr4vmt4hJq/h/UbVCxBeALdBBxywjJf16KelbmnapY6vZi60u7hu4CdvmQuGAI6g46EdweRXmX/CPCT/mRvMz/wA/uqh8/wC9y/8AWli8L31u/maT4U0fR5c5+0WOsy282fU+Xb4YezZB7irwvFLjpiUn5pxX4c7FLDfy/r/kerUVwdh4l8TaJfWlj4msotTjvGZLe4sHBmDKM7XBVFckZPyhfun5Sa63Ttb07VXeOxuleaMZkgcFJY/96NgGX8RX2WFxVHF0lWou8WckouLsy/RRRXSSFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAQ3d3BYWU93eSrDb28bSyyOcBEUZJPsAM1zsPxH8L3MKy2eoS3cbfde1s55gfxRDVvxx/yT3xF/2C7n/0U1W9Q8D6XdXUl5p73Gj3sp3SXGnOI/Mb+88ZBRz7spPvWNf23I/Y25vO9vwHG19TLPj3Sm/1Nlrkp9P7Fuk/9DjFQ3Pj6K3t3mHh3xBMiDLeXZDOPUKWBP0AzWFqHhrxfogmn1XX9W1Wwjy7XOmpaxSRp1+aAw5OB3V2J/u1nQvFeQJNAvjW8jkUOjLKYg4IzkHcn+elfI4zOczwc+WtTivPVp/PRHVClTmtGdRY/EJtWhMuk+GdTuowcMy3VlhT6ECckEdwQCPSrB8Ta+/+p8KFf+vjUI1/9BDVw0vhq0nmmuIvCPixbqaPyzeNrirIV9Mm7JxnsV7dKzk0XUdFjebXPDEd/piFQ91fahiaJSwBaUKXVlGdzEBcAE4OOeGXEeKqP93KK8rK/wAv3n+XoX9Xit7/ANfI77UfFPjCztfPt/CNjcgEApHq7GRR3O3yACPoSfaqNv481W8V8Xfhuykj/wBZDczzLLF/vI6ow/ECs9vB4VwYvAXhBz/z0muSzD87Un9aS68G3V9aiCTw14VtkUhk8nzN0ZHQqyohB56j+tcn+smLatKol5pQ/Lml+hf1ePb8y5L46uo2xP428F2vP3GjLk+3/Hyv8qy9X8fawrxy6X4t0K9iUYkhsLMrIT6qWkkU/QlenWnQ2Pi/ws1tG2t6VJZXVyluHm01pGti3CDKyoWBbauWyckc10f9meJ3/wBb4jtU/wCuGl7f/QpGrKfEGLg03Xun934U7/iNUIvp/X3nM23jkXccAuPGHiG1uJ87bWPQkMpwccAW8gYe65HvVw6nNN/zGPG90fT+zPs+f/JdK0b7wjfavbG31fxFPcQt1j+wWpX8njestPDt3oer6fpp8Ua4+m3iPHE0ksW6OdfmCbvL+6yBsDgDZgfexXO84rVU+XESvrpd2tv/ACL+upXskvs/195n3o14TGbSoPFmop1NpeXb2+72WVJ02firfSorjUbS1uo7bVvDXii1lkAw+o68/wBnZj/CJWuSpOeAOpHbtXZf8IjA3+u1fW5P+4lKn/oBFOHg7SvLaN5dVlRhhkm1m7kVh6ENKRXK88nLSpUk/RyX/t6X4X8yvYrol/XyOe/4R7zgCPAlnKDz/pmphwR/3y9ZI+H1zp9411pvhvwtYLIxeSG7ujdRt6nD2wZT7K4X2NbNr4N0Cw8Uy6ZdabHLa3cH2iyWVmcIUwssfzH3RgPdvSt5PBHhSM5Twzo4b+99hiz+e2sZ5h7N/G2mv7zv99RrT8xqnfp/X3HDT+ITot+0Gq2fhPSI9+2O7RPPiOexKlWQ/wC8APc1rnxQI18s+PfBkAIyIo7fcSP/AAJ5H4V2EOhaRb4+z6VZRbemy3RcfkKz9A/4lep32gPxHGTd2XvDIxJT/gD7hjspSsJYqjUi3GGq9NfPVS/P7rFcrT3OIt1srO7+0aR47jsskloNM03MDk9zHl1z7jB680L4n1KCUJqms+JprdFJfUNL0lDEFAyWdHtdyDH91n9c16tTZI1ljaORQyOCrKehB7VH9o05P95T5vXlv/6R+egezfR/195wSzpOoaO+8bXYIyGFoYQR6/6tKz38NWbPdT6fofjOC+uU2veW2oJBIcdyTOoOP9oGuy8LyNawXOh3DEzaW/loT/Hbtkwt/wB8/Jn+9G1btE8dOhNxpr8d1utrb7jUFJank40++0hAdb8N6nqFo0iRJc3WrFHVncIodBcSKRlhlhtA/u1s/wDCMCTr4A0mT1+3agHz9f3b5rt7+yg1LTrixvE329zE0Ui5xlWGD+hrP8NXs91pbW9++++sJDa3LYxvZQMP/wACUq3/AALHanLMKlSn7S2qeusvk7c33/IXs0nb/I5O78B/b4BE3gnwnZ7TlJLa6kV4z6hkt0Pv1p1npniHw9cWlpeTaG0N3MYorttOLtE23KK+1owckYB65wDknj0KqGtaYNY0eey8wwu4DRTAZMMincjj3VgD+FZRzGpK0Knw/N281dv18+o/Zpaoz/sHis8HXtKRegEekOMD8bg1T1LwhqGtwrDrGuR3CKdy7dNhyh9VLbtp9xzW1oWpnV9GhupYxDccx3MIOfKmQlZE98MCAe4we9aNc7xNajO2ia/ux/yK5U0cLb6Lq2l65baRc+MdbktLm3JtZWFsz+ahJdGdoSxypUryT8j56Ctv/hFS3+t1/W5PX/Swmf8AvlRVrxHp82oaQTZYF7autzak9pU5A+hGVPsxq3pmoQ6tpNrqFtkRXMSyqG6rkZwfQjoR61pUxNSUFUjZPZ2SWvfRdV+KYlFJ2MW48CaRewtDqE2rXkTfejm1e6Kt9VEgB/KsnTvCOjWniK70i8gnmjaIXNj5t3M+IxhHQZf+A7fwkHvXdVieJ4JUtINWs42kutKk+0KijJlixiWP3yhJA/vKh7UUMXXk/Zuo7Pzej6f5PyCUY72I/wDhBPCh/wBZ4d0yb/rtapJ/6EDVmDwp4etv+PbQdMi/652ca/yFaVvPFdW0VxbyLJDKgeN1OQykZBH4VJXNLEV3pKb+9lcsexgeGSdOa68PynnTmDWuf4rVyTHj/dw0f/AAe9b9YHiP/iWXVl4gThLNvKvD62zkBmPsjbXJ9Fb1rfp1/ftV/m39ev8An8wjpoRXNtFeWsttcIHimQo6nuCMGsrwvcynTX028cteaXIbWVm6uoAMch9d0ZRiem4sO1bVc/qxGj+I7LWAdtvd7bC89Bkkwv8Ag7Mv/bX2oo+/F0u+q9V/mvxsD01Ogqnq2mxavpNxYzlkWZMB1+9G3VXHuCAR7gU6bU7C3/4+L23i/wB+VV/maoz+L/DVtn7T4h0qHacHzL2NcH8WqadOtzKVOLv5IG11JPD2pS6lo8b3gVL2EmC7Reiyrw2PY9R7EVqVw/8Awl/h3TPFRubfXNPnsdWjAk+zXCy7LlB8rbUJPzpxnH/LJB3FbP8AwmuiH/VTXc3/AFw0+4k/9BQ10VsHW5uaFN2euz+a+T0JU421Ze1ywl1DS2S0dY7yF0uLSRvurNGwdCfbcACO4JFbttHpPjbw/Yalc2QPmR+ZGW+Wa1foyhxyrKwKnB6g1yv/AAl1m3+q03XJPT/iTXKZ/wC+oxUvgnXRB4qvdKlsb6ytdSJu7P7XD5YMwA85FGe4AkxxyXPrj7XhDE1aFSWEqppS1V+/X71+Rx4pRklJM3n0jW9L50u+XVLcf8u2oHbIPZZlH6OpP+1TYfEVstwttqsM2k3THCxXgCh/9yQEo30DZ9QK6eorm2gvLdoLuCOeFxho5UDKw9wa/STgKdFZQ8LyWbynw3qDaaqthbSRPOthwDgISCg56Iyj2qN9YvtM+XxBpc0KL1vLMG4gPuQBvT8VwP7xwTQBs0VDaXlrf263Fjcw3MLfdkhkDqfoRxU1ABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFZN94n0bTdQ+xXuoRRTjbuUgkR7jhd7AYTPbcRmtauG8bfY73w14jj0y8tbVrVS2rxPBta4/dqQhc4I3IAocBuuByKAOkv8AxNo2mXws7+/jhnIUlWyQgY4UsQMLk9NxGa1a83W8t5PDPj+XU08mWYGV4pvviJ7KIRr+e5R7gjrXeaQs6aLYrd5+0LbxiXd13bRn9aAM7xx/yT3xF/2C7n/0U1ddXnfi3xLp9x4H1+zuDJYXz6XchbS9Xy3Y+U3Cn7r/APAC1ehllHVgPxoAUgMCCMg8EHvXn+lQHRtU1Dw8/wB2zcT2ee9tKWKD/gDB48dgi+td6Zoh1kQf8CFcj468m1hs/EUMibtKZhc4Od1q+PNH4FUf/gHvXg8QZf8AX8DKEV70dV6rp81ob0KnJO5PUdxBFdW0tvcRrJDKhSRGGQykYIP4VlzeLfDdtn7R4g0uLHXzL2Nf5moP+E68LH/V+INPl/64zrJ/6DmvxmOGxD1jB/cz1uaPck8MTypZTaVeSM91pb+QzufmkjxmNz65XAJ7srVt1wuoeLtHsvEVpq9pNcSQzL9kvvLs5mGzkxPwnJVyVAHJ80+lbn/CX2bf6nTtckPp/Yt0n/ocYror4WvKXtFB+9rt16/jr6NEqcVpc09U06HVtKubC53CK4jKMynDLnowPYg8g+oqr4d1GbUdIX7dtF/bO1teKowBMnDEDsrcMv8AsstVv+Enlb/U+Hdck/7dlT/0NxWHPruo6T4nF9/wi2qxW2qhLZllltQGuBxGeJjtyuVJOMkIBninTw1ScHTdr7rVfPr1X5ITnFO9zuqzte0xtW0Wa2ifypxtkt5cf6uVCGRvwYCqf9p+JH/1fhgJnp5+oxrj67Q39actz4tdsjQtIRf+mmsSbvyFuR+tYQo1YSUotXX96P8AmDqQasXdF1JdY0a2vgnlNKuJIicmKQHa6H3Vgyn6VeriV/4SbSfFLWcMGlWsGsF7iPzJpJkWdVG9AQqYLKN+MclZDmtv7D4vk66tokA9Bpksh/Pz1/lWlbDRjK/MknqtW/yT22+QlVVh/iWynudMW509N9/YSrdWozguy53Jn/bQun/As1oWF9BqWn297ZvvguI1kjbGMgjI+lZn9j+Jn/1viW2T/rhpYX/0KRqw9K0PUtN1240CbxRqcEciNeWT28FqFYFv3qYeJuVZge3DjHQ1caMKlLl9orx1+1t1+z03+9i9ok72O3rB8UqbKC316EEvpT+bMAPv25GJhjqcLlwPVBUn/CKTt/rvFGuSj08yFP8A0CIUHwZayAi41XW5geoOpypn/vgis6So0pqTnf0T1XVa26A6l1sbKsHUMpDKRkEHgilrh9A8I6Ta6heeH9Q/tCR7PEtmX1O52yWrH5AF8zH7sgxkY6BT/FW//wAIH4YP+s0a3m9psyD/AMeJoq0aFOXLzv8A8BW3T7QKq+xDr3/Er1Wx11OI1ItL70MLn5XP+4+DnsrPV6bxDotuCbjV7CIDqXuUX+ZqBvAXhIwvEPDOkKsilWK2MQPIweduc+9UvCGnWFrDPo91YWn9oaSwheUW6AzRMMxS8D+JeCf7yPWjVCdK923HyS0+97PT5on2jT2J38c+E0co3ibSNw6qL6MkfgGrEl8XaHaeMLe9sr4XEGpotncCGJ3xIuTCwwDnOWTAySWj9K79EWNAkahVHQKMAVV1XTYNY0m50+7z5VwhUspwyHsynswOCD2IBrOlVw0ZWcXZ6PVf/I9N/VA5yZkSeLLCNtv2PWmPouiXh/XysUz/AISuNv8AU6Lrkg9f7OkT/wBDAq74Y1OfUNMeDUiv9p2EhtbwLgbpFAIcAdA6lXA7bsdq2amoqVKTg4O68/8AgIPaSZ59Hr15pPieV4/DOrm31hgUiY28Z+0KnJG6UD5kQdSDlenNbn9sa8/+q8J3af8AXe8t1/8AQXatPXtJGtaPLarJ5E4xJbTgZMMynKP74YA479KTw/q39s6PFcyoIbpCYbuAHPkzKcOn4EcHuCD0NbTq0501UVNaaP4vl17afLzJ55J2uZv23xU/+q8O2Kf9d9VK/wDoMTViafJ4p0nX5tJFjo9vHftJfWoa+lkRTkebGp8pSTvJkwQP9YcZ2nHoFY3ifS5tS0kSWB26jYyC6snzj96oPyn/AGWBZT7MamhXp83JKCSfr8nq+j/C4OUt7lT7N4wf/l60OH/t3ml/H761LFp/ijpc6zo8inqE0iVePxuTWlpGpw6zpFvf24KpMmSjfejYHDI3oysCpHqDV2sZ1pxbi4pW8l/kHM+5wGkaXrNprF14efxE9osCC4s1gtI/3kLHkDfuPyOduOcApzzW7/wi+oN/rfF+tN7LHaKP0gz+tS+KLS4+ywatpkZk1DS3M8USnHnxkYkh/wCBL0/2lQ9q1bG+t9S0+C9spBLb3EayRuP4lIyDXRVxE5RVVJa6P3Y7/d139b9iU3tcwpfBcN1A8N9res3UUqlJI3ugqupGCCFUcGsnQPDVhLPe6Rql1q8l7pzhd39s3aiaBsmKTaJAvQFTgfeRunFd3XOeKUfTJLbxNbhmbTQwu41z+9tWI8zjuUwJB/ukd6KGJrTvS5mr7W016bd9vufQH3Hf8IL4eP8ArLKSX/rtdTSf+hMaiuvh14Ru7Oa3l8P6efNQp5ht1Z1yOoYjIPvXSI6yRq8bBkYZVlOQR61HNeW1t/x8XEUX++4X+dYRxWKvpOV/VhZHK+EtE0U6fJZ3OiaWmpabJ9luyllGu9gMrJwvR0Kt/wACI7GupgsbS1x9mtYYdowPLjC4H4VyGu+INI0fxFY65Bq9j5cgWyv4hcqS0Rb93JgHnYxPP913PatY+PfCQJC+JdJcjtHeRv8AyJrpxFLE1WqkVJqXro+q/wAvJoSaWhoa7pS61os9iZGhdwGhmX70MqkMjj3VgD+FR+HtVfV9JWW5RYr2FzBeQrnEcy8MBnnHcZ6qQapf8J14eP8Aq755v+uFrLJ/6CprAm8W6dpni+O/s7fVXs9UTyLlBpF0q+eoJikUtGAxI3IcHJ+TspwqeFxE6bpuD01Wj+a+a/FLuJyine56BWXr+my6jp6vYskeo2cgubGV+iTL0zjnawyreqsapf8ACXK3+q0LXJPT/QSmf++iKVfE1+7fu/COtsP7xa0XH4NODUUaOJoVI1YaOLutUvzYOUGrNnZaFrEOvaHa6lbo0azp80T/AHonBKvG3urBlPuDWhXnfhTUrmw8cXNk+k3VhZ6xC12kdw8RK3Me0SbfLkYfOrA9uY2POa9CSVX4U89wRgj8K/ccDili8NCuuq+59V95wSVnYbF/rJv98f8AoIqSo4v9ZN/vj/0EVJXYIxb7wrp11cNd2ok06+brdWTeWzH/AGx92T6OCKoSnX9GKi5hTW7YnAktVEVwvHeNjtfpyQy+ymupqOX/AFkP++f/AEE0AYWn63YalI0NvNtuYxmS1mQxTR/70bAMB74we1aFP1PRdO1iNU1K0jn2HKOeHjPqrDBU+4IrIfRda0znRr9b+AdLXU3O5R6LOoLf99hz70AalFYy+JbW3lWDW4pdHuGO0Le4VHP+zICUbPYZz7CtmgAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigArPu9B0jUL+K9vtLs7m6hx5c80Cs6Y5GGIzxWhRQBRu9E0q/vob2+020ubqDHlTywKzx4ORhiMjnmr1FFAHP8AjyKOb4d+IRLGsgXTbhgGXOCI2IP1BGa64QxDpEg/4CK5Txx/yT3xF/2C7n/0U1ddQAgRR0UD8KbNFHPC8MyK8cilXRhkMCMEGn0UAcDoEb6Pc3Xhm6dmfTdrWrsSTLaNnyzk9SuGjPf5AT94VuVB420668i013SonmvtKYs0MalmubdsebEAOSeFZR/eRR3rETx74bljV4NRM6sMqYbeWTI9tqmvyDiPJ6mGxrnRi3Ceui2fVfqjtpVE46m1f2NvqenXFjfRiW3uY2ilQ/xKRg1l+GL65ktZtM1SXzdS0xxDPJjHnJj93L/wJevbcGA6VF/wm2lH/VW+sS+8ei3ZH5+VisLV/Ei2mu2OvWWj6uFX/RL4y2jQrJCx+U/OR8yPtwTxhnGea8Sjha8oulKDV9VdW1+ffb1t2Lco73O+qjrOkwa3pE+n3JZVlA2yJ96Ngcq6+hBAIPqKz5PEOpI2I/COsSe/nWYH/o/P6VH/AG7rr/6vwncKP+m17Ap/8dZqxhhq0ZKUWk1/ej/mHPEueHNTm1LSsX6qmoWkhtr1EGFEq4yR/ssCrj/ZYVrV5/dXviTTfFttqEGhafB/a2LKWKXUmAkkVHeNyyxHbhUdehzuUduN77R4wk4+xaHB7/bJpf08ta2rYKfNzRsk9d1p3W/fbyEqkS94h0n+2dHeCJ/KuonWe1mxnypkO5G/MYPqCR3p+har/bOjQXjR+TMcpPCesUqkq6fgwI9+tZ2zxjJ/y/aHB/25TS4/8irWFDY+JbHxtLaprlhANVtjeOYNMYKZYikbEK0zYJV48887emck1DDc9N03NXWq3+fTtr8vMXtI3O/rG8T6dcXumJc6aFOp6fILqz3cbnUEGMn0dSyH03Z7VV/sfX3/ANZ4ruEH/TGygU/+PK1Pj0LU0+94u1mT/ehs/wCluKzp0PZyU1Ujp/i/+RB1Ymrpeowavpdvf2m7yrhA4Vxhl9VYdmByCOxBq3XBaV4cH/CTa7YS6vqyokkV2iQ3ZgGJVIY4jCjl43PGOSfx2f8AhDNLb/W3GsS/9dNau2H5ebiqq4SjCdud99r7q/dC9r5EvimzmSO21zT43kvdJYyiKNctcQkYliHqSvIH95VrZt7u3urKK8t5kkt5o1kjlB+VlYZBH1BFYP8Awg/h4/62wM3r59xJJn67mOaxvDHg/wAMSQX9vd+HNJluLHUbiDe9jGxCFzJGuSM4EciD8K19jRnR1m/d/urZ/wDb3f8AMXtddjsJtZ0u2Yi41KziI6h51XH5muR8S+LfDml6nZ69b+IdL863/wBHu4EvIi89ux5wM5LI3zjHP3wPvGukh8N6HbKBb6Lp8QHQJaouPyFTz6ZaTafPZ+RGkNxE0TqiAAqwwRx7VFGOHpzTd2uuy069xOq30M7/AITzwuf9VrdpN/1wbzP/AEHNH/CcaIf9U1/P6fZ9Lupc/TbGc0/whdSXng7S5bg5uFtlinz/AM9UGx//AB5TWzSqUcPTm4OL0dviX/yIe1kcTqHiSz0/xDba3Y2mrNFdbbK+ibSriIvk4gceYijcHbZjPIl/2a2v+Ermb/UeGdcl/wC2MSf+hyLS+M4Hn8GaoYRmWGA3EY9Xj/eL+qite3nS5top4jlJUDqfYjIrWcaLpRny3eq1fa1trd7eiJ9pIxv+Ei1h/wDV+D9TX/rtc2i/+gzNWGmoa/p3jVZYtChtodaXY0VxfgKbiNCwcFEbBMakH12Lzxz3NYHi/wDcWWnagOGsdTt5N391XfyXP/fEr1WHdJz5PZr3tPtfLr3sDqSHG98YMSF0fRIx2Y6rM/6fZx/Ojd4xfvocP/AZpMfqtbtFYc0FtBfi/wA2w55dzhNPtfFNh4sv9Oi1fSYEvYxqIA0yRl3k7JAo88Y6Ix9WcnjJrd/szxK/+s8TRr/1x01F/wDQmak1n/RfF/h28HHnPcWDH2ePzRn8bcD8a366K1VvllZar+VdLrt5E80u5gjQdYYgyeMNVGO0VvZqD9cwmsTQPDjR6hrOmDX9ZWKzuw0SpOiDbLGshOFQdZGk6cdh047msBf9E+Izjouo6YGHu0EmD+lwPyp0a0nGcUltfRJbP07XDmfcP+EPtG/1+p65L/3GLlP/AEB1oPgjQ3BE0d7ODwRPqVzID+DSGt+isPrFZbSf3iOL8KeF9AuvDv2W/wBE065ksrieyYz2iOxWOVlTJIJOUCHn1rbh8G+GLf8A49/Dmkxf7ljEv8lqHQv9G8TeIrI8BriK9Qf7MkQX/wBChet+t8RXq+0dpOz137q/6iMfU/DWnXuh39hBY20BuraSHdHCqkblIzwPepvDuoHVvDGmai4w91aRTMPRmQEj8CcVpVgeD/3OmXtgetjqNzEPZWkMiD8EkUfhWXM50Xd3s1+N7/oBv1geNwU8JXV4o+bT2jvhjriGRZDj8FI/Gt+oby1jvrC4tJxuiuImicHurDB/nWdGahUjN9GgJgQQCDkHoRRWN4QupLzwbpUtyc3C2yR3HtKg2SD/AL6Vq2ampBwm4Po7DMjWH+y614cv+1vqiRt9JkeEf+PSLXePGr/fGfT2rgPGMcj+D9SkgXdNbQ/aol9XiIkUf99IK723njuraKeFt0cqB0YdwRkGv0vhKtz4KVP+WX4Nf8OZy3IokkSSby23DePlc/7I71KJlBxIDGf9rp+dEX+sm/3x/wCgipCMjB5FfYEhUcv+sh/3z/6CaPJ2/wCpYp7dR+VRSyMkkPmpxvPzLyPun8aALNFIrK65Qhh6g0tADZYo5omjmRZI3GGRxkMPQiubTwp9kjL+HdQm0wq7bbYgS2xwxwPLPKj2Rlrpqjt/9Wf99/8A0I0Ac7HqGo2VxHBr2npAruEW+gnVrcsThVO7DqzEgAYIyQASSM6tZ/jf/kXYf+wpp3/pbDWhQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAYXjj/AJJ74i/7Bdz/AOimrrq5Hxx/yT3xF/2C7n/0U1ddQAUUUUAFeeeDd0fhO0tJDmSwL2L59YHaI/8AoFeh1wWnJ9j8UeJdPPyhb5buJf8ApnNEjE/jKJq+R4so8+BVRfZkvuen+RUdzWrL8UWLan4T1Wyjz5k1pIiY/vbTj9cVqUV+ZQk4SUl0NCppV8up6NZX8eNt1bxzLjphlDf1q3WB4K/deGxYng6fcz2ePRY5WVPzTafxrfq60VCrKK2TYjA8a/uvDn24ddPure8J77I5VZwPqm8fjW/VLWtPGraDf6e3Au7aSHOOm5SM/rUXhzUDqvhjTL9uHuLWORwTnDFRkfnmqetBeTf4pW/JgaVYHiL/AEbWvD2oDgJetbSt/sSxsoH4yCKt+sHxupHg+9uUBL2JjvUwO8Miyj/0CjDfxYrvp9+n6gb1FIrB1DIQykZBByCKWucZgT/6L8RLOT+G/wBOliY/7UUiso/KSQ/hW/WB4p/0efQ9R/59NUiRvcTBrfH/AH1Mp/Ct+uirrCEvK33P/KwgrA0v/RfG2u2vRbiO3vlA6ElWib/0Sv51v1gaj/ovjvRrnot3b3Fk3u/yyp+Qjl/OihrzR7p/hr+gG/RRRXOMwPCv+jtrWndBZ6pMUB67Zgtx+WZmA+lb9YFp/onxA1KHot9Yw3C+7ozo/wChi/St+ujEaz5u6T/DX8biEdFkjZHGVYYIPcVheCXb/hDbCBzueyV7Fye7QO0JP5xmt6sDw5/o+r+IbHoI9Q8+NR0CyxI5/N/MNENaM49rP9P1A36yvFFi+peE9UtIf9bLayCLBxh9pKn/AL6ArVorKEnCSkugyrpd8mp6PZ38Ryl1AkykDHDKCP51arA8FfuvDK2J4On3E9kF9EjlZU/NAh/Gt+qrRUKsorZNiMDxp+68Pre/8+N5bXRPoqTKX57fJuH0zW/VLWtPGraDf6e3Au7aSHOOm5SM/rUXhzUDqvhfTL9uGubSKVgTnDFQSPzzVvWgvJv8UrfkwNKsDxD/AKNrfh7UOipetbSt6JLEwA/GQRVv1g+NlI8I3dygJaxaO9GBk/uZFl6d+ENGG/ipd9Pv0/UDeopFYOoZCGUjIIOQRS1zjMCf/RfiJZyfw3+nSxMf9qKRWUflJIfwrfrA8U/6PcaFqA/5ddUiQj+8JlaDH5yqf+A1v10VdYQl5W+5/wCVhBWBpX+i+NtetOguI7a+X3LK0Tf+iF/Ot+sDUf8ARfHejXPRbu3uLJvd/llT8hHL+dFDXmj3T/DX9AN+iiiucZgeFP3H9saf0+yapOQp7LKROPw/en+Xat+sCz/0T4ganD0S+soLlB/edGeOQ/8AfPk/pW/XRiNZ83dJ/etfxuIR0WSNkcZVhgg9xT/h5M0nw/0mFzueyiNizH+JoGMJb8THn8abUPgV/Jn8Qacf+XfU2mT3WaNJM/8AfbP+X1r67hCty4ipS7pP7n/wSZHUxf6yb/fH/oIqSo4v9ZN/vj/0EVJX6QQFRy/6yH/fP/oJqSo5f9ZD/vn/ANBNACtErNuGVb+8vBpMyp1HmD24P+FSUUAMSVXOAcH+6eDSW/8Aqz/vv/6Eac6K4w6g/UVBAkiRny33De/yv/vHvQBj+N/+Rdh/7Cmnf+lsNaFZnjWXPh+BWVlb+1NO6jg/6bD3rToAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAoorivGEd5YWuoak+u3kV3IRFo9lZtjMu0bUKf8tSz5JzwF9ME0AdrRXm+sXmqjW9SudYTxJb6fZQQBpdJZUhT93ulk+YhnALY+QNjYa9Et5I5rWKSCTzY3QMkmc7gRwc+9AGN44/5J74i/wCwXc/+imrrq5Dxq6yfDrxA6MGVtKuSrA5BHlNzXX0AFFFFABXFaun2T4lq/RdS0oDPq1vKePri4/Q+ldrXI+OE+z6j4c1IcCK/NtK3pHNGygfjIIv0ryc5o+2y+rDyv92v6DW5PRRRX4uamBov+jeLPEdl2kkgv19hJF5ePzt2P/Aq36wLj/RfiHZSfw32nSwn/eidWX9JJPy+tb9dFfVxl3S/DT80IKwPB/7jT7/Tz1sNRuIgPRWfzUH4JKlb9YGm/wCi+Otcth8qXUFtegf3nw0Tn/vmKIUU9ac4+j+52/JsDfqG8tY76wuLScboriJonB7qwwf51NRWCbTuhmN4QupLzwfpclwczrbrFMT18xPkfPvuU1s1geFf9Hk1vTugs9UlKj/ZmC3H5ZmI/Ct+tsQkqsrbPVej1X4CMTxnA8/grVfJGZYrdp4/9+P51/VRWvbzpc20U8RykqB1PsRkU90WSNkcZVhgg9xWF4Jdv+ENsLeQ5ksVaxcnqWgcxE/jsz+NPeh6P81/wAN6sDxf+4sdP1EcNYalby7v7qO/kyH8I5X/AArfrK8UWL6l4T1S0h/1strIIsHGH2kqf++gKWHklVi3tfX06gatFVdLvk1PR7O/iOUuoEmUgY4ZQR/OrVZSTi7MZgaz/ovi/wAO3g4857iwY+zx+aM/jbgfjW/WB40/deHlvR/y4Xdvdk/7KSqX57ZTcM+9b9bVNaUJeq+53/UQVgL/AKJ8RnHRdR0wMPdoJMH9LgflW/WB4h/0bW/D2odFS9a2lb0SWJgB+Mgiow+snHun+V1+KQG/RRRXOMwND/0fxT4jsz/HPDer9JIgn/oULfrW/XN6hdQaT4+s7m7njghvtOlhaSVwq74pFZBk+okk/Krc3jLwxb/8fHiPSYv9++iX+bV2VaVSo4yhFu6X4afmhGzWB4P/AHGnX2nH71hqNzFj0VnMsY/COVB+FJ/wnnhY/wCr16yl9oZRJ/6DmsXSvF2kQeKte8h7ue3uFt7tTbWE8uWKmNuEQnpEnPfPtWtPCYh05x9m+j2e97fk2S5RW7O6qG8tY76wuLScboriJonB7qwwf51h/wDCa6e3+psNalPYf2Pcp/6GgpP+EvZv9T4d1uU+nkRp/wChuKiOBxd7qDX4fmS61NbyX3lrwhdSXng7S5bg5uFtlinz/wA9UGx//HlNbNcD4b8Rajaf2pYQ+F9ScQajM6q09spQTET4P731lOMZGMDqCBtf2/4gf/VeGFU/9NtQRR/46rV0VstxLqycY6N6arZ/Mh4iit5Is+M4Hn8GaoYRmWGA3EY9Xj/eL+qite3nS5top4jlJUDqfYjIrnv7T8TzBll0HSREwwQ2rybse4Fvj9axfCd54pbwtZW0CaRGtkpsSZWldiYGMRJxjqUz+NaLLMS6NmkrPuuq8n5E/W6C15jv6wPF37m002/HDWWp2z7v7qu/kuf++JWH41Xx4vfrquixD0XS5XP5mcfyrO1/SvEuoeHr+3m1y3kLwPtjh08R7mAyvJdiOQOe3FXQyurGpFykrdd9uvQj69Q7/mdxRXI2UGo6tpNnfW/irVYkuYUmXy4bTkMoI+9AfWpP7Au3/wBd4m1qT/trEn/oEYqf7Hqr4pr8f8iHmFFdy3rP+i+L/Dt4OPOe4sGPs8fmjP424H41v1534s8OxW3h6XUJdT1ec2Ekd2xfUphtRHDSEBWGD5e/BHIzxzitj/hENJP+sOoy/wDXbVLmT/0KQ10yynmhG89rrbzv38yXmNJK9mdZVHRX+yfEq4i7alpSyAe9vKQT+Vyv5VgHwV4cb/W6Tbzf9dsyf+hE1HN4fsvD3lat4U0qzsb6xkE+yzt0i+0oAQ8TYAyGUkDPRtp7V6OUYWGCxkazndbPTv8AP5kLMacmlY9Ui/1k3++P/QRUlUdI1C21bT01CxfzLa6VJYmxjKsikfQ+1Xq/STvCo5f9ZD/vn/0E1JUcv+sh/wB8/wDoJoAkooooAKjt/wDVn/ff/wBCNSVHb/6s/wC+/wD6EaAMLxv/AMi7D/2FNO/9LYa0Kz/G/wDyLsP/AGFNO/8AS2GtCgAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACuQu/CeuSeLLjXLXX7NHdRHbx3OmGb7LHjlUPmjGTyTjJ+gArr6KAOY1Dw3rV2L23i8QhLPUUC3MclqZHi+QI/kMXxGGAzghgCSRXRWttFZ2cNtbrtihjWNFz0UDAH5CpaKAOL8ZeG7Oz8E+ILjS5LjTl/s65d7e1cCGT902cxkFRnuVAPvXoPknvNIfxH+Fcr44/5J74i/7Bdz/wCimrrqAI/IHd5D/wADNH2dO+8/V2P9akooAj+zxd0B+tc18QrRB4D1K5hhXzbBUv49q8loHWYD8THj8a6morq2hvbOa1uk8yGeNo5EJxuUjBHHsamUVKLi9mBzisHUMhDKRkEHIIpa4Dwvpd9qHhHSLm58S6zulsoWeNXiQIdgyvyxg8HI5JPvWofDET/6/V9bl9f+JpNHn/vhlx+FfkMsmlGTUprT1/4BySzCjF21Lnin/R5tD1H/AJ9dUiVvcTBrfH/fUqn8K36898W+HrO08HahMlzqj/Z4xPibVrqUfIwbo8hHb8PwrV/4Qrw63+t0qCYek2ZB/wCPE1s8pUqceae11t8+/myXmNNK6TOqknih/wBbKif7zAVymqa5pNj420q9fVLOOKa2ntJna4QBT8kiZ54+4+CfXHepI/BnheLmPw5pKn1FjHn/ANBqlrel2GnX2gXFjY21s8epqu6GFUOHikQjgf7VaUcqpxl8bd0+lunqyP7Si3ZRNl/HXhNGKHxNpBcdUW+jZvyBzTf+E78Nn7mprL/1yieTP/fKmtCioWV4fq396/yM3mb6R/E5S18XaZb+NtQmji1OWC9s4GQx6Vctl42cPwI/R4+foPps/wDCZ27f6jSNal9P+Jc6Z/7721WvHKeO9IB+6+n3i9e++2I/QGtuumpluGdpO+y6rpp28iZZjUSVoozP+EsuW/1PhXW5f/AZP/Q5hWJoWvapb6nrtra+G7plF/5ypNcwIYxJEjEHa7dX3txkfMO+QOurC075PHOuR/3rW0m/Pzk/9p1dPAYZRkuXp3fdeZP9oVWnoix/bfiZ/wDVeHLNf+u+qlf/AEGJqT+0PFz/APMN0WD3+3Sy4/DyVzWtRUrBYVf8u197/wAzN5hXfU5XwidfXwtBbW19psK2cs9mqvYySbRFM8Y581cjCDsOMVpeV4tf/Wa7paf9cdJdT/49O1ReFvkXWIO8Oqz5P++RJ/KSt2uiph6PtG+Ra+SJnjK6dlL8jm9X0PXtT0W9srnxIzR3EDxskVjENwZSMc5pmi2uqazoGn6lL4s1cfbLWKcpGlqqjegbAIgzjmunrC8F/J4Vgt/+fSWe1/79TPGP0WrVKl7P4I6P+Vdfl5E/WqzjfmH/APCOO/8Arte1uT1/0zZn/vgDH4Vi+LfDFrB4Tv7xbvWJpbOP7Wok1a6YExESY2+ZjPy8EDI7dq7SmTQpcW8kMo3JIpRh6gjBp02oSTS2M1iKt7uT+8xV8H6FIoZraScMMgy3csmR/wACY0DwR4WyC/h3S5COhltEcj6Eg4p/g+Z5fB+mrMd01vD9mlPq8RMbf+PIa2quUpwk4p7EyqVLtOTOR1/w9oumDSry00fT4I4NRiEwjtUUMkgaHnA6AyhvwrqYbS3t/wDUW8UX+4gH8qzvFVq954T1KKH/AFwgaSEgZxInzIf++lFX7K6S+0+3u4vuXESyrg54YZH86cpSlBNv+v6uS23FXJ6wtR/0Xxro1yOl3FPZN7nAlX8hE/51u1heL/3OjwX44Nhe29yzf3UEgWQ/9+2elS+K3fT7xQ+Kxu0UUVkSYUH+i+P7uM/dv9PilQf7UTsrn8pYh+FbtYWt/wCjeJPD96ON08tlI3okkZb9XhjH1IrdrWeqT8v+AVLowrC0D/RtZ1+wPAS8FzGv+xLGpJ/GQS1u1hP/AKL8QIz0XUNOZT/vQyAj9Jm/KiGqa8gjs0btFFFZEmF4O/deH/sJ66fcTWn/AAFJGCf+Oba3awtK/wBF8Xa7ZjhJhBfKD6upjbH/AH5B/wCBVu1rV+Nvvr95U/iuQ3lrHe2M9rON0U8bRuD3DDB/nWd4UupLvwrYNcHdPFH9nnPrJGTG5/76U1r1haD/AKLrmu6cei3C3kY9EmXn/wAiJKfxojrBr5/oC1i0btFFY+s641lNHYaZCLzVJxmOHdhYl/56Sn+FB+bHgA84mEJVJcsVqSW/DWtWXhTxFcaDqF1BbWepM97p3mPt2yEjzouT0LMHHu7DsK9DVgwypBHqDXk0Gi2VpbXVzrLxXs9wmb27ukUKyqCcYPCRrk4XoOSSSSTS0BtXila78JXraTpO3FvbXUbSxTnP31iJBij9ApG7OcAY3fZYas4U1Co9up14fOKVuWpey6/1qez1HL/rIf8AfP8A6Ca4ay+J0FnqMemeLoI9OuWjMguYZPMt2UELuY4BiGT/ABgL23Gu0W4huhbS28qyI7blZTkEFTg13qSkro9ynUhVjzQd0WaKKKZoFR2/+rP++/8A6EakqO3/ANWf99//AEI0AYXjf/kXYf8AsKad/wClsNaFZ/jf/kXYf+wpp3/pbDWhQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAU9X1GPSNEvtSmRnjs7eS4dV6sEUsQPyrjdU8a+IbWSX7PpWnY0rTl1HWI2umcorFisUbBR8+xGbJGOg9z1viCQxeGdUkWK3nZLOVhFckCJyEPyvnjaeh9s15jpXiD4Wf8I7Fa3l0IGuTDPewM90++REAEbscl416BSSvHegD14HIBHQ0tFFABRRRQBheOP+Se+Iv+wXc/+imrrq5Hxx/yT3xF/wBgu5/9FNXXUAFFFFABRRRQB5d4RXy/C9tB/wA+7S2//fuRk/8AZa2qytAXyV1S2/546vfD6Brh3H6OK1a+CxK5a815v8z5msrVJLzZk+K7f7V4N1m3/wCethOg5x1jNX7G4+16dbXHXzolfpjqAafcRCe1lhPSRCpz7jFZXg6Uz+BdClPV9Ot2OfXy1zUb0/R/n/wxH2DZrC8YfLo9tL/zy1OxY+w+1Rgn8ia3awvG3y+DNRl/54Is/wBPLYP/AOy0Uv4kfUIfEjdooorIkwtZ/d+KvDkn9+eeH84Gf/2nW7WF4l+S98Pzf88tVX/x6GWP/wBnrdrWfwx9P1ZUtkFYUf7v4iT/APTfSo//AByV/wD45W7WFd/u/iBpbdpdOu0/ESQEfpuop9V5P/MI9UbtFFFZEmFoX7vxF4lh/vXsUw+jW0S/zQ1u1hWH7vx5rUfTfZ2c31y06k/+OD9K3a1qfF8l+SKnv935BWF4Z/dXOu2n/Pvqjkf9tI45v5yGt2sLTv3PjfW4Ogmt7W6HuT5kZ/SJf09aIfDL+uoR2Zu0UUVkSYXhz/R9Q12w7Q6gZk91lRZP/Q2f8q3awj/onxAXHC6lpzFv96CQY/Eic/8AfPtW7WtTVp9/6/Mqe9wIBBBGQeoNYXg4mPw4tm3XT55rMA9QkcrKn/jgQ/jW7WFo/wDo3ivX7PtK8F8o9nj8s/rAT+NEdYSXz/T9QXwtG7VLWbAaroV/p7cC6t5Ic+m5SM/rV2is02ndEp2dzP8AD9+dV8N6dfvw9xbRyOPRioyPzzWhWF4T/c2N9Yf8+OoTxAeis3moP++JFrdq6iSm0ipK0mYXjMFPCtzdqObB4r7j0hkWQ/mFI/Gt0EEAg5B6EVDeWsd7Yz2s43RTxtG4PcMMH+dZ3hO6ku/CWmyXBzOsCxTE9fMT5Hz77lNPen6P8/8Ahg3ga9YXiP8A0e+0O/HHkagsTn/ZlVosf99sn5Vu1j+LLaW78J6glsu6dIvOhX1eMh1H5qKVP41cIfEjYoqK0uYr2ygurdt0U8ayIfVWGR+hqWo2JMK//wBF8caRcdEure4sz7v8kqfkscv51u1heLP3NlYagOGsdRt5d391WfypD+Ecr1u1pLWMX8v6+8qWyYVhXv8AofjjTLjol9bS2be7riVP/HRN+dS3nirSLS4a2S4a8ul4NtZRtPIp/wBoIDt+rYHvWJrS+IPElvEtjaJoZt5fOgubqZZJlcKy/wCrUMgyGIyWOM52nGK6MPhqs3otGQ6kKf8AEdjZ1PWZTetpOiBJdQ2gzSuMx2anoz46sRyqZBPsOahtrWw8M6XPcXVyf+et3e3DZeVv7zH9ABwBgAYwKxYvE2leEbRbTXbV9HZt7h2fzkuXALMRIOWY4/iAJNaFhZS65Nb6vrKrsRvNsrIMHSH+7IxHDSY+oXOBn7x9mjho0I2/HuedXqSmtdIfn/X3L1Gw2l14iuVu9Xha30xCGttPlXDSnqJJh/6DH26tzgLa1PVpkul03R4ludRcAuW/1dqh/wCWkhH0O1erEdhlhHfapc3t9LpOgsouYx/pN4ybo7TPQY6NIQcheg6t1Aa/pemW+k2Qt7be2WLySyNukmc9Xdu7H/ADAAFbepyydrOS9F/n/WvoR6Xo8GmRzNua4urlt91dS4LztjHPoAOAo4A6VkabqOo6d4iey8FmKXTrT5buG8ZzbW8gBxHAQco/zfMF+RRjjcanvLy61y5k03RpWgtY22XmooeVx1ii/wBvsW6L/vdGyXH2Ty/D3hSCJJYUAkl25hsU9W5+Zz1CZyepIHJ1g5Rd7m9CvWoT5oP3n9yXn+i/4Z7kfxO1Gz1ZNO1Pw69xKY/Mf+zLpbgxJyN7BghAJBwOScHGcGuv0TxZoniFnj0u+jeeMZktnBSaP/eRsMPxFcDDb6b4X0q4uZpiiZ866u5zukmfgbmIHJPAAA9AB0FZ50ZvE17b6nrMMlrDb7msrZWMcyEjHmO6kFWweEB46nJ4XeOJfVaHsUc6mv4qvHvs/uPZ6jt/9Wf99/8A0I15VaeKNe0PWk0vTbtvEMapvnt7wgParg7czgdz0VlZj1yACR1uj+PtJuJFs9VWXRb53O2C/AVXJPGyQEo/XoGz6gV0xqRlsz3aGMoV7ckte3Ut+N/+Rdh/7Cmnf+lsNaFZ/jYg+HISDkf2pp3T/r9hrQrQ6wooooAKKKKACiiigAooooAKKKKACiiigAooooAo65eT6d4f1G9s4fPuLa1lmiiwT5jqhIXA55IxXmUmq3en6brGo2/jS4vZorGy1C2mkZGiuJ2+0KYFiAwEfaBtHzA4Ociu+8W6lrul6LJP4a0dNVuQj5Qz7DH8pIYLj5+R90EE8Y9uJeDVVke7s/htoOlaiwLJqUt9bkW7n/lqQEzweT3oA9THIGRg+lFFctr2ua9psWq39tY2UenaXH5hN1Iwe7ATe2wjhB/CCQckHoKAOporjrrxbqksWq3+j2NvJYaOitcJOWE0zeUsromOFKow65y3HHWutt547q1iuIDujlQOh9QRkUAY3jj/AJJ74i/7Bdz/AOimrrq5Hxx/yT3xF/2C7n/0U1ddQAUUUUAFFFFAHm9kvleJvFEHTy9V3Aez28L/AM3NaNUpF8n4geJI/wDnqba4/OEJn/yF+lXa+Ix6tiprzPnMUrVpBWF4K+XwfZRf88PMg/74kZP/AGWt2sLwj8ul3kPaLU71R9DcSMP/AEKuZfw36r9TFfC/67m7WR4th+0+C9ahwT5mnzqAOvMbVr1DeQC5sZ4CMiWNkI9cjFTB8skxRdmmFlN9psLefIbzYlfI75GamrI8Izm58FaJOTkyafAxz6mNc1r0TXLJoJKzaMLxf8mk2k3/ADx1OyYn0BuI1J/JjW7WF42+XwZqMv8AzwRZ/p5bB/8A2Wt2qf8ADXq/0G/hX9dgrC1n934q8OSf3554fzgZ/wD2nW7WF4l+S+8PT/8APLVV/wDH4ZY//Z6KfxfJ/kENzdooorIkwv8AV/ET/r40r/0XL/8Aba3awr/91480aTtJZXcJ+u6Fx/6Af1rdrWe0X5FS2QVhTfuPiFaN0F3pkyk+pjkjIH5St/nNbtYWu/ufEPhy46A3klux9ngkP/oSL+nvRT3a8n+QQ3N2iiisiTC8R/6PqGhX/RYNQEUh9VmRogP++3jP4Vu1x2qZ8ZyfZhIyaBG2WeJyr3sinIKsOVjUgEMDliBjCj5ucu/DFrol3BbWdnD4ga4J2WOoHMiqOrebyAi553qSSQAckA+/SyetWoxnJ28vI5J4/Dxqexb95fd9/l16LueoyTRRf62RE/3mArlr7XdJsfHFjcvqlkkVzZzW8zNcIAGRkdMnPvJ+dclara/ahbXPgnwvo1yzYSO9fBkP+y4g2OT6KxNaNwkZt3huW8G28TDDBl3j8sr/APWqo5VyO0pfh/wS1iUnt+K/S51j+NvCyMVPiTSS46ot7GzfkDmm/wDCb+HT9zUll/65Ru+f++Qa4SPUrnSkmGnfETw4cr+6sbgGRIz7OZ2cDt3A7CnWXjOadni1PxL9kmQZZ7XTxNA3+5IN35MAfbvTWU0/5n/XyKdVtXjG/wB/5cptDxxoOj+KNRurye8gs76K28p2025xJOPMVwP3fXaIv8iuhXxdpjYxDqvPro92P/aVcIfF+hXW6F/HWq3QIKtFBpUbqe2D/ozenc1kza34esLFotI8Wa1Z4YFQ4jjhHt5ZCbR7LtrR5XSlu3/XyK56kt4NP0f/AMij1dfE2nvnEeo/jplyP5x1y9r4xtPDN1dabe2OobZ76Wazk8jy0kWRt+A0hUA72cbepxnvXHWfjexa3c6hL4gmZDhW0/Uo5hIPUKHDD6YP15qRfFmhahD5U2k+Opopj5WySV8Sk/w4EvJODwPQ045XRjdO/wCA1KtFtShdf15npX/CTX7f6rwpq5HZnltVB/8AI2f0pG1zW5FIXwywDDGJb6Nf/Qc15lL9kjtootD0T4gWIt+EtmjuGgPsV84HH+6y1ZgvJHg/0j4bazcSjq0lw5Den+sYkfTnHvTWXYddPx/4Jm51bXSX5fnM6Kw8Q+IvDOl2elajoVlb29rCsKX8+oP5JVRgZKQtswAAS+0Vqt4i1kortc+HLdWAKk3jyAg9wcLn+tcJJeNFdwQN8IrBJ5+ITeXNupc/3VZkwW/2cgkdBgcLdaB4mubj7VpPgTTdEu9oXzFuYWRh2DIMq3125HY1q8Dhr3cfx/4I3Ob1k1G/nH/5J/qdHrWvPqek3Wnah4y8KWcN1E0LsFLMMjHBM64I655+lZn/AAk2nTXfl+LNUfWo3fCvpkpe1x23QR/MPofMHU5GABbt/wDhZscarbaV4Xt2CgM7mQbuPRDVaTUfiRHq0enajc6BYNPhbedYpWjmbByqsQcNwTtbBPbPNaQw9GHwpGXtKkk4uS+Ukvyjc6LTdeivLTyvBmjrNaRsYxMxW1t1YcEYwX49k/pVqTTNTuY2l1zXTbwKMvDp6/Z0A/2pGJf8VKfSuUufAnjHUL5b2fxLZ2V2CM3FlabJGA/hLAAkexyPap4Ph1r7Xn2rVvF8eqybgyre6WJEQ/7KmTav1AFa3j3ON06K1VRL5Nv77W+ehrWF74fs3kPhfS31W4kG2SeyiEnm/wC/cyEKxHoXJ9qrt4X1m4kkuNNuLfwuzhv3dk7z+YSDy6nbGp9cKx9GHdEm8QWup/YNd1v7CsjbbW7gtI/Jm6ALls7H5xtPXHBPQaN9Yyadbm41bxrfWsWcb5BaRJn6mH+tK6J96Evdkrv1d/ws/uLHhy7trVf7De0XTr22Te0AOVmXvKjHlwSeSfmB+91BMdzeT+IruSw0edodPhYpeahEeXYdYYj69mf+H7o+bJTn7zS015Y0tR4h1cRuHjnuphZQo3QMHKK+CCfmjVuPrzftPB0sFqou9XuNNsoY9os9Pu5ViiQDGC7sSQBzkBe3pzHIr3HL2cfek/e+/X8/vNDzzdb9D8L7bWC1/c3F6iZS2x/yzjHR5PXsvU5Pym8TpnhTRVUBo4VbaqjMks8jfm0kjH6kmuasNYn0bydO8OK3iWxiIjCW8IR4Rnn98MQtj0O09ck81e0K6tr7V0u9ffyddClYrG4UoLUHqsWcCQnvIuc9OBxUyi+uwOnZeW/m/Xr+i6X66Fjpt3qF6up6+iq8bZs7HIZbX/aYjIaQ+vRei92Zb3U7m9vm0vQuJEOLq+Kho7XjO0dmlOR8vQA5bsGiuL658QTzWGiTvbWkTeXdaig5Jz80cJPBYdC/IXOBlgdt2afT/DOlQQRRFI8+Vb20I3STOcnaoJyzHkkk+pJ6moId7q616Lt/X/BfmxE0vwnoruzGKBW3ySNmSSeRj1PVndjgdyeAOwqrDpU2uzpfeI4QLcLm30qQBkjz/FL1DyY7cqvbJ+apdO0q5ubtdU8QeXJeKSba2T5o7JT2U/xPjq/1AwM5v2cV74n1J7DRna3soW23uqKARGe8UOchpPU4Kp3yflqoxlJ2jubUaVStU5KWsnu+39d/u8+euoZrS8tLHw3Pd/2db6tp/wDaNsJA1rbg3UJRRuyUfJUhEIGDkjpn16sLxBo9joXgq10/SrdYLePVdPIUEksxvoSzMTyzEkkk8knJrdr04RcY2bufcYei6NJQlJyfdhRRRVnQFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAZ/iC2u7zw1qdrprlLya0ljt3DbdshQhTntyRzXkmp+GtGgsZ3s/BN5G17pcP9mp/ZxkeC9ieRSsnXGcxElvldVYknv67rj30fh/UX0hd1+trKbUYBzLsOzg8fexXji3/AIeij1ZdC1a+k1aa0spbHNzI95LqC/aFIdSc55UOpG0Bug4oA9wGcDPXvXC66uv6j4ndL7w1eX+h2jK1tBBdW6pcuOfMlDyAkA/dTGOMnPAHdjOBnr3xRQBwt5Ya7bQ+IrGw0iSddfPnQzmeMLavJCkTiXLZwuzcNgbOcV2djarYadbWkZLLbxLEpPcKAP6VPRQBxPjFtesPAuvRXSw6rbPptwv2iLEM0Q8phl1J2v6kqVPHCmvQ/Mk7Qt+LD/GuV8cf8k98Rf8AYLuf/RTV11AEe+btEv4v/wDWozP/AHIx/wADJ/pUlFAEf7/1jH4E0bZ/+eifgh/xqSigDz7U0aD4nX4dt32jSbRxxjlZbgH9GX/OKtVH4nXyviRpzDj7RpNwD7+XNFj8vNP51JXxuaK2Kl8vyPAxqtXYVheGvkvvEMPaLVWx/wAChik/m9btYWj/ALvxb4hi/vvbz/nEE/8AadcMPhl6fqjljszdooorIkwvBXy+D7KL/nh5kH/fEjJ/7LW7WF4Q+XSruH/nlqd6v4G5kYfowrdrWr/El6lT+JmP4ugN14J1yBc7pNPnUY65MbYrTtJxdWUFwuMSxq4x7jNJeQC5sZ4CMiWNkI9cjFZ3hGc3PgrRJycmTT4GOfUxrmjen6P8/wDhg+wa9YXi/wCTSbSb/njqdkxPoDcRqT+TGt2sLxr8vg++l7W4S4J9PLdXz/47RS/iR9Qh8SN2iiisiTC1z934j8NS9N15LCT/AL1tK2PzQVu1heKfk/saf/nlqsH/AI/uj/8AZ63a1l8MX/W5UtkFYXi793pdpcjrbajaP+BnRG/8dY1u1i+M4ml8EayIhmRLOWSMf7aqWX9QKKX8ReoQ+JG1XKapcSeJ7h9PtJWj0eJyl5PGcG7YcGFD/cB4dh15UfxYXUtSk8ROdO0idobFcC9vYzhm7+TGR0PZm/h6D5jlXXl5aaDp0EMEIzxBaWkOAZGx8qKOg6dTwACTgCvosqyy9q9ZadF+p4mYY50n7Cj8b/D/AIP5C6hqEelwQ29tEsl1N+7tbVPl3YH/AI6ijknsPcgFmlaUNO8+7vZhcX9x81zcsMDA6Ko/hRew+pOSSSmk6S9rPLqGoyLcancgCWRfuxIDkRR+iD82PJ7AYWq61Brk4sbeOS9snJC21v8Ae1Ag889BADwzkgMfl5HDfVN21Z89TpubdOnt9p/10/Pd2S0tXUtl4jgN5qciJ4dtnDgTcJeMDw7Z6xA9B/GeegG7OXwHpWt30d3HosOi2SHcDBF9nurg5zztwY19vvHvtxg9HYaJM86XuuyR3FzGcwW8QIgtfTYD95v9thn0CgkVsO6xRtJIyoiglmY4AA7k1zTqX0R1xrSoO1KT+T0X+b8/u2RxEPhiw8Pu6axbNf6VnK3zzuXtxk8TAtgqBgbwOn3hgFqljb4bSqJIrXSLwdnW0Fxn6Haef/r1pWzSeJrhLyaMx6PEwa1icYa6YdJWB6J3Ve/3j/DilrlmkepLB4a8y01u5O95rZtscSdDLMuCjdMAEbmPAIAYjGWGclzJ2OyONbn7Oq3zdWnovX9bfdcVm8ES2726aBvikG1hb6DOQR9Ui4+tM07VB4fBSOx1PUrBFPly/wBlzJcwgD7rbo18wcH5s7umQ2c1HejxHpUcs+ra3fT2UeWe4sFtIjGv+0ksZ4A7hyfaq9rq9lqM0sVprHiu+lhOJES2ETIfceWhFc0qUoaSOuDjUheL5o+rf6Kxu2PjRNVhMuk6Hql6gOCYzAuD6HfKMH2ODT7y+v8AU7SS1ufCFzLBKu147q4t8Ee+12rnZNCsri9+2roniua92FFulvFhkAI7MZV/XioLbQ9VtZMXGhaxqttgk/btUCyrxnkrcur+mNq/U1HLEfJRTvGy9d//AEpfobNrdeLdGt5VTRRqFovMEc2oAzx8nIL7TvA4xn5v97tNa+K9VviyQWGjxzJ/rILnVJoJU+qNbA498YPbNYFkun6jc/Zf+EKsobv/AJ9tWuykje6hkbePdcjpV278JxT2rW9z4P8ACNrGw523DAj6FYEI/Ojlj1/r8SpRp3/eR1+X5c2pp32pXd9aNbanY+HZIWI3o+stgEHIP+o6g9DxzWS/iLXNBskjS60fUoVchWk1QSXCJgYByqCTBzzndj+8eufBpsmiwy+Tf+D5EUYghvcMY/bzeGI/3sn3p9j4p0md3il1jwtp08YzIk2nKy+2JEuCp/PPsKfKi404pe6rr5/8E0rTxs2oWxnTxX4YswGKutxC4aMjqCrzIfx/nTL3WLXVbOW0vvGmhXUEylXitrEPuB9B5r/hVe6u7C/jRLrxJ4VlVDmMw6VIHQ46oy3OQfcVEdY1awsymmeM7G+w2VS60+Xhf7ol3Ox78tuPvRyrp/X4Aqav7is/T9eQG1TUdOt449N8TahqdvEuPLjsG8489pDDIGOOAGx05apo/EVrJJBBd654vhu5xlLS401IZG9htgAJ+hptt4vWa236n4l1TTZPMEXlHSF+Zj02ny3DZ7Y/EVavFtdSt3ttQ1PxZqELcNFLom1T/wCSq/nTsuq/r7huNn78fnb/AO0t/W4t1ZW+o2slveWXi2/hkGHjkk8tWHuCyg/SoLbTdT0rU21HRvDepXMzHkavLayyY9FuPPMiD67x7VG9jd21vEmijxVKIl2iC8dxGw/3hJGy/mQP7vamT3cNnbQya34Y8UWry/eZ9ckkt4/96Q3GFHuwWgSbtyp3T6f8DmX4G1J4j1mS8+y6jFb+GFJAWe7U3IlyOiuu2JDngZZicfd5qa8tfD2nzxf8JFqcuq3jfPDDeSea8mOhS2jAViD3WPOce1Zy6JDeQBl8HC5ikGQbrVRIrj3+ZgR+dNg8Oa1pMkk/hfSdL0JpCDKn9pO0MmBgbovJI/FSp9+1LQx5ae0Xy/NL8bt/mdAmpateoqaLpH2SADCz6j+6BH+zEuX/AAbZVPVtCsJrQS+N9ZF1bKwbypWW2twRz90HJ+jM1Zt/4g1e0nCeJNRtNKstoDT6SBOwbHO5pOUBPYRHA/iBrQ0qbww10s2gofEGosM+ba5vJvUkvyI/XkqOgHYUWfQmNGomvZr/AMBV39/T5FK2e+s1jg8Bx3k1kmAsN/FttEHosjlZQMdNodR6VbsLxNO1Fr/xhBLb6iwMYvGXdaQoTnZG44ReBkvtLEc8AAddbeHPFep4Mq2WhQn/AJ6H7VPj/dUhFPvuce3rsWvw30MEPrP2nXZR1OpSB4/+/KhYvx2Z96r2LlvoexQyvE1f4qUV98vw0Oe0vT7jxsXFnNLaaEjlJb6MlXvMHlICOQvUGUfRc/eX0LS7K207TY7Owgjt7aAskUUShVRQxwABVmONIYkihRY40UKqKMBQOgA7Cm2/+rP++/8A6Ea6IU4wVkfR4XC08LDkpr59zC8b/wDIuw/9hTTv/S2GtCs/xv8A8i7D/wBhTTv/AEthrQrQ6gooooAKKKKACiiigAooooAKKKKACiiigAooooAxPEOl65qTW/8AYXiI6KI93mgWUdx5ucY+/wBMYPTrmuS0LSvGus2c14fHRhdLu4tuNHtySIpWjzn32Zx2zXW+IdK1zUmt/wCwvEbaKI93mhbKOfzc4x9/pjB6dc1ztj4H8WabA0Nl4/kjjeWSZl/siA5d3LsefVmJ/GgDvaKKKACiiigDC8cf8k98Rf8AYLuf/RTV11cj44/5J74i/wCwXc/+imrrqACiiigAooooA4jxovl+MvDc/wDehvLfP+8Inx/5C/SipfiAuy88Lz9l1Vo2+jWs4/mFqKvk84VsQn3X+Z4ePVqvyCsK0/d/EHVF7S6baP8AiJLgH9CtbtYUn7v4iQf9N9Kk/wDHJU/+OV5dPqvL/gnFHqjdooorIkwvDXyXviCH/nlqrf8Aj0MUn/s9btYWj/u/FviGL++9vP8AnEE/9p1u1rU+L5L8ip7hWF4K+XwdYRd4A8B9ijsh/wDQa3awvCHy6Tdw94tTvl/A3MjD9GFC/hv1X6gvhf8AXc3ax/F0BuvBOtwLndJp86rj18s4rYqG8gFzYzwEZEsbIR65GKmD5ZJii7NMW0nF1ZQXC4xLGrjHuM1LWR4RnNz4K0ScnJk0+Bjn1Ma5rXokuWTQSVm0YXjL5fDom/59720m/BLmNj+gNbtYXjcH/hA9bdRlobKWZceqKWH6rW6CCAQcg9CKp/w16v8AQb+BfP8AQK5vxjqTpZx6NZORe6mGTcAD5MI/1kpyCOAQoz/Ey9s1vXl5b6fYzXl7KsNvAhkkkboqgZJriLA3F7c3Gr6grpc3pGyFxzbwj7keOxwSzf7TN2xXuZDljx+KTmvcjq/0Xz/I8vMsasFh3NfE9F69/l/l3KJW58H6SX0m5Emn2y/Lp9yu4YzwkbqNwJJwM7+T0qTSdUgi1N7/AMVJJp+pTDy4jckfZ4Y+yRyAlQT3LEMx7YCgNx/bWugnJsNMk49JrjH6hAfpuPqlP16aSZYtIs8i4vshnH/LCEY3yfXkAf7TDsDX6VVwdOd5R0Pj4YiV1TqaylrJ7NLff8Xo29jJ8a+JNQ1hjoXhVVZJZvss947FUeQ5zChHLYAYuRwACM54roPB1smhyXGh3DLJdoPOS6KBWuougJA4+QkJgcAbMYziq3hizguXTVLeNEsYYvs2mRIOFhGN0n/AyBj/AGVU/wARrS1uznlhivdOAN/Yv50AJx5nGGjJ9GHHscHsK46mBUqTcdWaSzCEJrCJcsevfm7t+WzWy13smdCSACTwB1Nc3HMfFc5YL/xIo2+Un/l/YHr/ANcR/wCPn/Z+9Fb6kfGbtHbRywaPC2y685dklxKPvQ7eqqp4fPU/KOM509V1P+zYY4LKD7TfT/JbWqnaCR/Ex/hRe7fgASQD5VOn1kdMuam/Zx+N/h/wfy9dmaxqk1p5dnpkK3Op3IPkxOcIijrJIR0QZ+pOAOTUlhZw6Np8slzceZIczXd3NgGRgOWPYAAYA6AADtSaVpv9nQyz3k4uL2f57m5I27sdFA/hRcnA7cnqSTQiSTxPdR3U2U0WJg9vEet6w5Erf9Mx1UfxHDHjbW5zpR5XFP3Vu+/kv0Xzfk61gn1++j1G+VotOhYPZWrDBlYciaQdvVV7fePOAsPiO1g1a6TTrK3ibVNu77btw1gh48zcMMGPO1QRkg9ga0dU1GaKVNP0sJJqM6ll3glIF6eY4HbPQcFjwMckLZWdp4e0uV5rgkDM11d3DDdK2OXY9O3QcAAAYAotfQuNSUWqi0f2Uvz/AK3fkYGoaLd6NayXc2r3upWkY+eO41G4gm9BteJwCSTwuzJJAyK1IvBuoXMauPB+vEMAR9v10E/iPtLEfT6fh13hTwu+p3dt4i12JkSP95pthIMeV6TyD/noQflU/cB5+Ynb3tcU4Qb0Pv8ALsrqOgpYxvmfRO1l526ni7fDS8ucCTwPpj46G81Pdj6YRsf/AK6q2Pwa1jT7oPY6F4Uit2Ys9vdTvdEZ6lXNuHB+rMB2Fe5UVPJE9eOX4eKtZv8A7ef+Z5jD8PdeTHlx+GbX3S0kfH/oNXW8BeI54Ghudf0cQuCGiXRXYYPUZa4wf++a9Boo9nHsJZbhP5PzPJdC+HN5YeNLzTl8UXUNjbWVvcG2tLaNIyZXnXCq+8IB5IPy+pHvXWN4By2R4l1lfYLa/wDxir9n/wAlH1j/ALBNh/6OvK36fJHsavA4Vu7pr7jhrz4cebbmOTxXrjRuQjo0VkysCQCCDbVBp3wjs9LiaK08T+IFiJ/1Xm24RfZVEICD2UAV3lx/qx/vp/6EKko5Y9ilhMMlZU19yOOX4a6af9dq2uTDuDfsmf8AvgLU0fw28PIcsdWkbuX1u8IP/AfNx+ldXRT5V2KWHoraC+5HH2nww8HQeciaJEVEmcPLI2SQCScsc881cT4deC0bd/wieisw6NJYRuR+JBNdBF/rJv8AfH/oIqSmbKKWyMeLwh4bgTbB4e0uJemEso1/kKufZvsot47UKsSudseMAfK3THSrlRy/6yH/AHz/AOgmgYCYA4kBjP8AtdPzqSgjIweRUfk7f9SxT26j8v8ACgCSo7f/AFZ/33/9CNHmsn+tTA/vLyP8aS2YNCSpBG9+R/vGgDD8b/8AIuw/9hTTv/S2GtCs/wAb/wDIuw/9hTTv/S2GtCgAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiqt5qVnp72yXlwkL3UohgVjzI56KB+FAFqisbU/F2haNfGy1LUFhuAgkMexmIU5wTgHrg1sKwdAynIYZBoAw/HH/ACT3xF/2C7n/ANFNXXVyPjj/AJJ74i/7Bdz/AOimrrqACiiigAooooA5H4jLt0fS7j/nhq9qc+m9vK/9qVWq98SF/wCKFuZe9vc2lwD6eXcxv/7LVGvmM6X7yD8jxswXvxYVhal+78baFL/fgu4PzEb/APtOt2sLxB8mueGpew1F4z9GtZv6gV41P4vk/wAmefDf7/yN2iiisiTCtP3fxB1Ve0um2jj6iS4B/QrW7WFJ+7+IkH/TfSpP/HJU/wDjlbta1Oj8l/kVLowrC8NfJe+IIf8Anlqrf+PQxSf+z1u1haN8nirxHH/emgm/OFV/9koh8MvT9UEdmbtFFFZEmF4J+XwZp0X/ADwRoPp5bFP/AGWt2sLwh8mj3UH/ADw1K9T8PtEjD9GFbta1f4kvUqfxMo63bfbfD+oWo/5b2skf5qR/Wk0G5+2+G9Nuh/y3tIpPzQH+tXyAQQRkHqDXGaZrZ0T4Y6MYlWW9a3js7SFyf3koXaAcc4AUlj6KTV06cqqUIK7bSXzC6UG30HeI7w6zraaRA3+hWDrNfMP+WkvDRw/QZEjf9s+xIrP1q+mtoYrSwP8Ap943lQfLuEf96Qj+6o59zgdxU1jax6Tpm2a43ld0txczEAyOcs8jHoMnJ9B+FU9FR76aTW7kMrXK7bWNhgxQZyuR2ZvvH/gI/hr9fy3ARwGGjQj8T1b8+v8Akj87xuMWLruu/gjpFd+337vy07FqKOy8P6JtLmK0s4izO5LHA5LE9STyT3JNYUNrc6pdfZp0eO71VRLe5bDWdmCdsPHRm5H1aQ5+UVZ1e+iub11lLnT9LKy3QjXPnzcGOEepBIYj1MY9RW5oGnTWdnJcX4H9oXr+dc4OQhxhYwf7qjA9zk9zXZN8z5Vsv6/4H3nNzvD0nVl8cv8Ah1/8k/8At3uzURFjjVI1CIoAVVGAB6CsfxBeTERaTYSGO7vQd0qnBghH35PryFX/AGmB6A1p3l3DYWU13dPshhQu7Y6ADJrD0i3mkabVdRiMd9e4JjY5MEQzsiz7ZJP+0zVVuZ8qODDxSvWl0283/wADd/JdStqGl6TpOnG8iheya1iWOOSyYxyEDhEBH3snAAbIJNJo7a9pDNfatBHrFzcIomeFgk8QA+4ucIyg56bMkk4yaeo/trXy5Umx0xyqZ6TXGOTjuEBwP9onuoNSa3PNMYtJsXMdzeA75VODBCMb3+vIUe7A9jWVTD0ql5Nelj1aderG1Fu7ervrZb27+bs+y3Qlvq1n43vzaRXKx6bCMzWrttmu27qV6iIEEH++cj7o+be1XUntfLtbGNZ9RuAfIiY/KoHWR8dEGRk98gDkgVg6ta6RY6CPttlE9pZoqwxBASp4VFT0YnAGO5FVtG0vWdFDXsd3HeXlwqm5hvWZ8Y6RxzfeCjp8wbJycZJrz6mBqRdo6nQq1CpHm+FLRJ7N+q+V/kr226bTdNg0SznnubjzZ5MzXl7NhTIQOp7KoHAHRQPqa3PDHhoeJZrbXNYjb+zYnEun2Ui485hytxIp5x3RT04YjO3bneFdGPjvyb/WbVoNGidjHZswb7ZLG2CzY4MSt0H8ZGSMAbvUfIXu0h/7aGvKqS+yj7nJMncGsXitZvZdvP8Ay7L8JKKj+zx9wx+rE0fZoe8an6jNYn148sB1IH400zRjrIg/4EKBBEOkSD/gIpwRR0UD8KAGfaYe0qH6Nmj7RF2Yn6KTUlFAHO2UyH4jaxklc6VYAbgR/wAtbv1roqwLQA/EbWQRkf2TYdf+u15W35O3/VMU/wBnqv5f4UAFx/qx/vp/6EKkqtPKyRjzUIG9PmXkfeH41YVgwypBHqDQAtFFFAEcX+sm/wB8f+gipKji/wBZN/vj/wBBFSUAFRy/6yH/AHz/AOgmpKjl/wBZD/vn/wBBNAElFFFABVeGFSjMvyNvf5l4/iP51YqO3/1Z/wB9/wD0I0Ac/wCNfMXw/AG2sv8AamnfN0I/02HtWnWf43/5F2H/ALCmnf8ApbDWhQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXH+MtLshrOgap5CtenVbeETMSSqfOdq54UE9cYzgZ6V2FRTW0Fz5f2iGOXynEkfmIG2OOjDPQj1oA4XV0ks73xZrmleKWtbm0WNprRrVNiGOEFUkLgsytkkFCv3iOSK7fT7iS7021uJ4jDLNCjvEf4CQCV/DpVe70HSL+/ivr7S7O5u4ceXPLArOmORhiM8VoUAcZ4u8SWU3gfX7S7SfTrt9MuVSC9j8syHym4RuUc+ysTXoZZR1YD8a5Dx3Gkvw88QiVFcDTLhgGGcERMQfqDXWiGIdIkH/ARQAGaIdZEH/AhSfaYe0qH6HNPCKOigfhS0AR/aI+xJ+imjz17LIf+2bf4VJRQBy/xEYyfDTxFsjfcmmzyLkY5VCw/lWerBlDLyCMium8R2323wrqtr18+ymj64+8hH9a4zQrj7X4d0646+daxP0x1QGvns7WkH6/oeVmK0i/UvVheKvkj0mf/AJ46rb8+m9vL/wDZ63awvGXy+GzL3gu7WYH02XEbf0rwKXxo8uHxI3aKKgmvrS3z9ouoYsdd8gX+dZ2b2JMnUfk8caHJ03W13Dn6+U2P/If6Ct2uR8QeIdFi17w7M+saegjvZFkY3SDaptpuTzwNwUfUitA+OvCv8PiLTJP+uV0j5/75JrolSqSUbRe3bzZpKMrLT+rm9WFZ/u/iBqqnpLp1pIPqJJwf/ZajPjzw7/DfvJ/1ztZX/kprDfxppK+OIrmKPUpEk054zjTLhSSsikYBQZGHPPQcetbU8HiZJpU5arszNSirps72iuYPjq1P+q0nV5PTFrtz/wB9MKQeNmY/L4a1kj+8TbD9DNmtI5Tj5bUZfczneJw8d6kV/wBvL/Mt+GvkvfEEP/PLVW/8ehik/wDZ63a8+tfEupnXNZg0rTI7Z55o7p5NQlyYw0KRriOMsG5hb+Ne1Ontb/Uc/wBs6xdXKnrBAfs8P0wnzEezM1erQ4bx+JlzNcq8/wAdNzmxWbYOg9ZXemi16fd+J1eo+JtF0mTyr7UYEuO1ujeZM30jXLHqOg7ivOtDvYzqzJqkht2hlmj0yGeJot8Ukpk3jeBlyCqlRyoQcDJFb9pYWmnxeXY20Nuh6iJAufrjrVbXrm1tdFne+t0u0YBFt3APnOThU545JH0619flvD1PL5e2c+aS8tP6/qx89ic5eMi8NTg0pab6/l96v8yHUz/a+ppo0ZBt4wJr/jOV/gi/4ERk/wCyuP4hVvWNQewswLVFlvbh/JtYm6PIQTz/ALIALH2U1ymlWWoaLb5sL4edId88Uyb4ZHxjgZ3KAAAMHAAHBxWVqFzqPiOaO/uXSKKdPsljaW8hKyknLSM5AOwhdxAxlFA7kH6KUKsFqtX/AF/XmzkhgYzqJKS9nH8X6edu/wAK1aOq8O21pqd8sNrdi8stHlJmlyD9pvG+Yu2P7u4nHTcwx9wV2lefWEMfhJrO6shts4Ilt7xAMbohkiTHTKsS30Le1ddreqnT9PU2gWW8umEVpH1DuRkE4/hABYn0BrJxdLSe/wDX/DHnY+lKpXj7N3i9v1v+b7J+RQ1CT+29cFguTY6cyyXX92Wfhkj9wvDn3Ke4o1u8nhhis9PP+n3jGOE4yIx/FIfZRz7kqO9T2VrDo+lBJJyyxK0k1xKQC7feeRj6k5Jqpo0Ml3PLrV2jpLdKFt4nGDDADlRjszfebv0B+6KtRaVur/r+vvEuRe8vhht5v/g7vy07FpEstA0QLnyrSziyWYljgdST1JP5kmq+iWkwE2paghS9vsMyMcmCMfci/wCAgkn/AGmY96iuB/bWuC0K7rDT2WScn7ss/DImO4Xhz77PQ1Prd5PFDFZaecX16xjibGfKX+OU+yj82KjvTut+i2/r8B8sn7l/enq35b6/+lP5eZAmdZ18ynBsNMcrH/01uMYY/RAcf7xb+6K1RYXGv6tbaBYu0b3eWup1PNvbD77j/aOQi/7TZ6KagVbPQdFwv7q1tIu5ycAfmWP5kn1NejeAPDcujaXLqGqQqmr6mVkuFzkwIP8AVw5/2QTnHG5nI61w42v7ClZfFL+v+AfQZBlyzHFqpJfuqf4vovnu/u7HRW1pb2C2tnZQpBbW8HlRRRjCoi7QFA7AAAVaqNv+PqP/AHG/mtSV80frIUUUUAFFFFABRRRQBgWf/JR9Y/7BNh/6OvK36wLP/ko+sf8AYJsP/R15W/QBHcf6sf76f+hClaFSdy/I395eP/10lx/qx/vp/wChCpKAI8yp94CQeo4P5U5JVfhTz3BGCPwp1NeNX++M+ntQA2L/AFk3++P/AEEVJVaJJEkm8ttw3j5XP+yO9SiZQcSAxn/a6fnQBJUcv+sh/wB8/wDoJqSo5f8AWQ/75/8AQTQBJRRRQAVHb/6s/wC+/wD6EakqO3/1Z/33/wDQjQBheN/+Rdh/7Cmnf+lsNaFZ/jf/AJF2H/sKad/6Ww1oUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAGF44/5J74i/7Bdz/6KauurkfHH/JPfEX/AGC7n/0U1ddQAUUUUAFFFFACModSrDIYYIr550GwvV0K1t5Nc1Rfsym2KRzhFXyyYyBhR/dxX0PXiJh+ya9r1n08jVbhgPQSt5w/9G16GX0aNaq41oqWnVXPk+Kqlajg41KMmmpdOzTKh0gP/rtT1iT/ALitwufwVxWZr/h+1bw5qRU3U0otZSnn3s0vzbDjhmOecV0dI6h42RujDBr3/qOFStGnFfJH5vHMsWpqTqydvNmWuh6Hf2scsmj2EqSqHG+2Rs5GR1FSReHdEgx5Oj2EeOmy1Qf0qLwsxbwrpyt9+GBYW/3k+Q/qprWreEIcqaijKtWrQqShzvRtbswtdtLays7W5treKEwX1uxMaBflaQI3T2c1u1l+Jomm8K6msfMi2zun+8o3D9QK0YZVngSWPlZFDL9CM04q02l5fqTNuVCLe93+n/BH1kan+68RaLP/AH5JrYn2aMv/ADiFa9ZHiP8Ad2tlc97e/t2z6BnEZP5OadT4biw2tVR73X3pr9TXoooqzmMi6/0bxZYT/wAN3BJbN7sv7xP0En51r1keJv3WkrejrYTx3JP+yrfP/wCOFhWvUR0k0dNT3qcJeq+7X8mgrk7q5/tnWzMPms7BjHB6STdHf/gOSg99/tWn4j1CW2tY7Kyk2Xt6SkbjrEg+/J/wEEY/2io71ku9to+llj+7t7aPAA5OBwAPUnp6kmt6UVKXM9o/1+G/3HZhKTjHntrLRfk389l8ytqrNeSx6TFn9+u65YfwQ9CPqx+Ue249ql0qNbu8fUAoEEamC0UDA2A/M+PcjA9lB71npb3BjFu5K6jqrb52B/1EQxkA/wCypCjH8TZ7muliiSGFIolCRooVVHQAcAVrG853f9dl+vq/I760lSpqEf67v57LyXmOYAqQ2CuOc1gaFqU1rcLeSW819pcURg05oiC8MOck7D94HCgEEnaq8dc2NZka7lj0iH/l4XddMDgpD0I+rH5R7bj2qS+uk02wLpGGYYjhhXjex4VR+P5DntU1KcarvLRR6/1/V/QinC1Pkau59PL9G/y3umX5dQtfFV7HptlKZLKICa+O0qTz8kJBwQSRlgR90YPDVp6zqEljZqlooe9un8m1jPQuR1P+yoBY+ynviuTttEgjtka7+e9yXku42Mcm88kqwOQOwGegA7UzSL7Vjef2tuXU7bYYrRLhvLkEWcmQMBglsDqBlVXnk1ySo1Y9NX26L/gfPUzlhKcnem7xh0el367a21vbRWOys7W30TSdjSny4VaSaeQ8u3LPIx9Sck1U0SGS6mm1m8jaOa7AWCN+DDAOVBHZjnc3uQP4RWVNr9j4i1S30Z3a0QMJLuC5IR5SCCkI5IbJ+ZtpPAA6NXS3bXbtBZaVEJtRvZBBbIfuhiCS7f7KqCx9lwOSKxc4JOT2icn1fEOao2/eVH+F/wBXr6W7s1PCei/8JP4pE067tK0aVZHB+7cXX3kT3EfDn/aMfoRXrVZvh/Q7Xw5odvpliCUhXLyN96ZycvIx7szEsT6mtKvlcRWdeo5s/YstwEMvwsaEOm77vq/66Ebf8fUf+4381qSo2/4+o/8Acb+a1JWB6IUUUUAFFFFABRRRQBgWf/JR9Y/7BNh/6OvK36wLP/ko+sf9gmw/9HXlb9AEdx/qx/vp/wChCpKjuP8AVj/fT/0IVJQAUUUUARxf6yb/AHx/6CKkIyMHkVHF/rJv98f+gipKAI/J2/6lint1H5VFLIySQ+anG8/MvI+6fxqzUcv+sh/3z/6CaAHqyuuUIYeoNLTGiVm3DKt/eXg0mZU6jzB7cH/CgCSo7f8A1Z/33/8AQjSpKrnAOD/dPBpLf/Vn/ff/ANCNAGF43/5F2H/sKad/6Ww1oVn+N/8AkXYf+wpp3/pbDWhQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAYXjj/knviL/sF3P/opq66uR8cf8k98Rf8AYLuf/RTV11ABRRRQAUUUUAFeQeJofsvxK1uPp9phtbz67kaLP/kD9K9fry/4iQ+R4+0yfHF5pssZPvFIhA/8jN+R9K7svly4mJ8/xJS9pldXys/ua/QxqKKK+tPxoyPDv7uC/te9vfzjHoHbzR+kgrXrI039z4k1mD++Ybn/AL6TZ/7SrXqKfw2OnE/xW+9n96T/AFGyRrLE8bjKupUj2NZnheRpPCum+YcvHbpE5/2kG0/qDWrWR4c/d2t7bf8APvf3C/QM5kA/JxQ/jXz/AECOtCS80/z/AOAa9ZXiiNpPCupeWMyJbvIn+8o3D9QK1aZNEs0DxOAVdSpBHUEVUlzRaM6U/Z1Iz7NMWORZYkkQ5V1DA+xp1ZfhiVpfCumGQkutsiOT/eUbT+oNalEXzRTFVh7OpKHZtEV1bpd2c1tMMxzRtGw9QRg1n6HfbvC9rc3sgVoYNtw7cBWjyr5+hU1q1wd3cCTXL3w0ZFSD7WbyRSwzLGyrJ5fqcyFy3+yAD96oldTVuuh2YWl7eMqfa0vktH+aLdo8l/dTavcxmOS5AWGNh80UI+4p9CcliPU47Cqs8i32qHzGVbDTj5krseHlAyB9EHzH3I/umrOqXr2luiWy77q4cRQIf7x7n2ABY+wrOgSymuIPD1ncJMsIM1784LMAQSG93Zsn2znG4V2S5aaVNf8ADv8ArV+XkexTjdOpay6eSW7/AEXd+aNTR4Xk83UrhSst1jYjDBjiGdgI7E5LH3bHart7eRWFlLdXBIjiXccDJPoAO5J4A7k1PWLOx1TWREpzaWDBn/6aT4yB9FBz/vEf3a0d4R5Vu/6v+pyR/fVHKWy/Lov0HaXbSRxyXN2MXd03mTDOdn91B7KMD3OT3qG3H9p6q14wzbWbNHb5/jk6PJ+HKD/gXYipNVnkKx2Fm5S6u8gOvWJB9+T8MgD/AGmWppHtdH0stt8u2towFRBk4HAUDuTwB6mi0V7vSO/r/Wr+R0Xk1zfalovTb/gLyuVtUZr2ePSYjgTLvuWB5SHpj6sfl+m49qs392unWBkSPewwkMS8b3PCqPx/Ic1HpVpLBA894B9sum8ybByF4wEB9FGB+Z71Bbf8TTVmvTza2haK29Hk6PIPpyg/4F2IovLf7UvwX/A/PQLRvb7Md/N/8Hb0Vya00yKHTGgvhHcNKTJcs6/LI55Y4PbsB2AA7V6d8HfC6w6c3iW6Ezfa1KaYkzlvJtTg71zyPMIDf7qpjGTnitF0KTxZ4jg0VQ32QL5+ouvVYAcbB7uRt/3Q56gV78rlFCx27KqjAA2gAfnXzWc4iN1h4dN/8v1PseHcHJp4ur12/V/ovImoqPfL2h/NhRun/wCeaD6uf8K+dPrwb/j6j/3G/mtSVWYz/ao+Ix8jdye61Lif+/GP+AE/1oAkoqPZN3lX8E/+vR5cnedvwUf4UASUVH5Ld5pD+X+FHkDu8h/4GaAJKKj+zp33n6yMf60fZ4u6A/XmgDEs/wDko+sf9gmw/wDR15W/XOWcCD4jawEGzGlWBBTj/lrd1v5lTqPMHtwf8KAC4/1Y/wB9P/QhUlQSyo8YAPzb0+U8H7w7VPQAUUUUARxf6yb/AHx/6CKkqOL/AFk3++P/AEEVJQAVHL/rIf8AfP8A6CakqOX/AFkP++f/AEE0ASUUUUANdFcYdQfqKggSRIz5b7hvf5X/AN496s1Hb/6s/wC+/wD6EaAOf8ay58PwKysrf2pp3UcH/TYe9adZ/jf/AJF2H/sKad/6Ww1oUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVx3jG2vRrmgXf8AaUq2o1SCNbONQqsTuyzt1boMDgD3PTsao6npMGqmz+0PIv2O6S6j8sgZdc4ByDxzQBxWo2aaxD4z1S6llS70uV4bCVJWX7L5VukgZcHgl3JPr0PFdxpdy97o9ndSrtkngSRh6FlBP86ydU8HWup3l5Kb69toNRVVv7WB0Ed0FG35sqWXKgKdpXIGK6BVCKFQBVUYAA4AoAwfGkiTfDnxBJC6yI2lXJVlOQR5Tcg12Fed+NfDdjbeCvEF1ppm09/7OuXdLWTbFL+6bIaM5Q56ZwG9CK9A8k95pD+I/wAKAJKKj8gd3kP/AAM0fZ077z9XY/1oAkoJA68VH9ni7oD9aBbwjpFH/wB8igBxljHV1H41578UhH53hy7jdGZb6S3bDDIV4Hb8t0afpXoQjQdEUfhXH/FOHd4Fe4Uc2d7az/RROgb/AMcZq2oS5KsZeaOLMKXtsHVp94v8jiKKKK+1PwcyG/c+NY/+nrT2B/7ZSDH/AKONa9ZGq/utd0Sf+9PJbsfZomb+ca1r1EN2vM6a2sYS7r8m1+SQVkaZ+68Ra1B/feG5x/vRhP8A2lWvWQf3PjUf9PWnn8fKkH/x6ie6fmFHWM491+TT/JGvRRRVnMZHhv8Ad2V3bHrb31wv4NIXH6OK16yNL/c+INbg/vyxXIHs0YT+cRpdf1xNHtlSILLfXGRbwk9SOrN6KMjJ+gHJFZ0/ht8v0O2rTnWxHLBays/vV2V/EevnTgtlYYfUJlyuRlYE6eY39B3I9ASONks7OKxdbzEkakySSzncWbqXLHvnnNWIo5FLyXEzXFxK2+aZ+rt9Ow7AdgMVnNNHfs11OQum2x3KW6TMP4/90Y49Tz2FevToqjG81eT+5L/Lv/wx9JhMPGjHlg/V935fp95VaB3iW4uDdSNJmOzspbhuFP8AfPXBxkg5AAxjitG30hbG0iNgUjvIW81ZQmAzkYIIH8JHGOwx6Cn2EEksx1C8TbK67Yo2HMMfp7Mep/AdquTzxW1u807hI4xuZj2FVTw1LlcpLT7vn5eXZW2OmrWm3yR/ry8/1d9y62v/AGjR1kso9t9NJ9mWB+fLl77vZR83uBx1FT20EGk6aEL7YoVLySuep6s7H1JySa5a1tbqW9bVhIbS6ddsSbAQqejg9SeM4xjAHbmabWpry6Sz1K3LWtvIGuprVWdXI5VCnLDnBIG7gAHrXJ79P35LfRf8Ht3fkcssGr8lJ6bvv6LvbZd2zc0qKSYyaldIUmugNiEcxRD7i/Xncfc47Co2/wCJprOzraae4Lf9NJ8ZA+ig5/3iP7tOutXjksUOlTRz3Fy3lQbTkBj1LDsFGSR7Y61Zt4YNJ0sIX2wwIXkkc9erM59yck/WqSTtFPRat/19/wDw5yycotzas3ol26f8BfPqiDVriRvK060kZLq7yN6feijH35PbGQB7sKsHyNL04LFE3lQqEjiiUszdlVR1JJwAO5NVtJill83Urtds13grGf8AllEPuL9eST7kjsK6rwVoGqa74jXVbG0tLix0eX5BdzPEsl1jII2o24Rg9OBuYd0xXNicSsPRdeW70S/L/N/8A68Fg3i8RHDR2Wsn+f8Akvv6npnw98Kt4X8NgXsaDVb5vtF+ytuw5GBGD/dRcKMccE9WNdVWBjxe/wDHokH/AACaX+q0fY/Fr/e1vR4we0ekyEj8Tcc/lXwcpOcnKW7P1GEI04qEVZI36KwP7J8RP/rPEyr/ANcdPRf/AEItR/wj2qv/AK3xfq30igtFH6wk/rUlm23/AB9R/wC4381qSuebwpLId0viTW3cAgN58af+goKb/wAIjbD/AI+b7W5x/eTWLlP0SQf57UAdHRXPJ4N0GUfNFdT+vn39xJj67nNO/wCEF8Ln/W6FYz/9d4hLn/vrNAGzLeW0H+vuIY/99wP51Rm8UaBb/wCv1zTYuM/Pdxjj8TUUXg/wzB/qPDukx/7ljGP5LV+HStPt/wDUWNtFzn5IVHP4CgDK/wCE78Jn/V+JNLlPpFdpIT+Ck0f8JvoB/wBXeSS/9cbWWT/0FTW+TjrTTIg6uo/GgDjrDxHprePdQuZpJ7OC60+zgglvrWW1WWRJLksqmVVyQJE6evsa7OoJ2tLiF4bkwyxuMNHJhgw9CD1rD/sFNP8Am8NapLpwX7tqw8+1+nlnlR7RslAG7dIrxDeoPzp+HzCnbJE/1bbh/df/ABrnn8R3lmoTXtJmhjVlze2YaeDhhywADp68qQO7VvWd7a6hbLcWFzDdQN92WGQOp+hHFADxMoOJMxn/AGu/41JQQCMEZFR+Tt/1TFP9nqv5f4UAEX+sm/3x/wCgipKrRSlJJvNQj5x8y8j7oqwrBhlSCPUGgBajl/1kP++f/QTUlRy/6yH/AHz/AOgmgCSiiigAqO3/ANWf99//AEI1JUdv/qz/AL7/APoRoAwvG/8AyLsP/YU07/0thrQrP8b/APIuw/8AYU07/wBLYa0KACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDC8cf8k98Rf9gu5/8ARTV00uoWduMz3cEQ9XlA/mapXFvDd20tvdRJNDMhjkjdcq6kYII7giuWj+H+m6VM0/hy1sLYsdzW13aLPCx9s/On/AWx7GgDqZvFPh+3/wCPjXdMi/37yNf5mqv/AAnfhQ/6vxFpkv8A1yukkz/3yTVK21iz0j5Ne0OLSsf8vVtGJbY/8DVQyd871Ue5rp7e6t7y2juLSeKeCQbklicMrD1BHBoAxf8AhNtBP3LqeX/rlZzP/wCgoaP+Ey09v9VZa1J9NFu1H5tGBW6ZYx1dR+NN+0Qj/lqn/fQoAxP+EqLf6rQNbk9P9ECZ/wC+mFYnjTUtS1fwLrdlD4U1dDNYzKksj2oCNsO1sefuODg4xXbfaIuz5+gzTXkiljZHV2VgQw8tuQfwoDc8Xtp1urSG4j+7Kiuv0IzUtcNBrGvaNGdGa1slk0wmyYyu7Mxj+XccAdQAfxpW8R+Im6S6ZH/26SN/7VFfe0qdWrBTjFtNeX+Z+J1cprU6koNpWb6/5XOh8S/Jp9tcDrb3tu+fQGVVb/x1mrXrzrUr/XtS0+e2m1C3CyIRiO1289uSxxzS2+t6vf2UVxHrF1D5iglVhg+U9xzGehyKpYatztOO67r/AD9DR5ZUlRiudaN9+trdPJnolZGpgx+INFmUE7pZrc+waJn/AJxCuSNxqr/6zXL9vp5a/wDoKCqWpQ3stqZV1LUJJ4T5kebt1yR1AwRglSy5H96qnhK7je22u/YqhlrjP3prVNdeqt5dz1GivMIoYruBJhdX0qSKGBkvpm4P1ahtKsn/ANZAJPaRi38zWqwdZq+n3v8AyJ/sqCdnN/8AgP8A9sdTq+qxaD4le4kQyPeWIWKFDgyvHIcD8pc57AE9q54Gee5kvdQZJLyYDzGQYVQOiL/sjP48k8k1UOi6euGtrWO1lHKywIEYH6jr9Dwe9Z9zrF3EZLGNRcXCttNxbruEY9WXs+O2cZ54HFaUaKwsnOrq+ltf6Z6+HwkbWpO8rWbemi276beZeuidRuGsYiRAhH2px37+WD6kdfQH34I411G5VUULYWrAKqjCyyL2/wB1cf8AfQ/2ay01aAWv2Gzt7qzgVwk10+0iMH7x3Bidx9T0JyffpoYo4IUihULGigKB0AroptVpP8f0XovxfzR01uairWt2/wA/X8vuY/OOtZSN/a1wtwcGxiYNAAT++Yfxn/ZHb16+lLcynU7p7KE/6LEcXMin75/55j/2b247nEt7dizhVYk8yeQ7IYhxub+gHUnsK1lKM/efwr8X/X3v8cYQcdF8T/Bf19y/Bt9cy+YtnZHFzKM7yuRCv94/0Hc+wNPVbbSrA87IoxlmPJYnqT6sT+JJosrX7JC7TOJJ5Dvmlxjcf6ADgD0qtAG1S5W7kBFpEc26Ef6w/wDPQ+390fj6YLyT5mveey7L+t/kuxdotWT91b+b/rb7xlvpf2i6bUroSW93IMR+U+xoV7DK9Sepzkdugp8l/fXcwtJguo2dtKrXBUCN5COQn91sHaSPlHGO5qS+uJXlFjZNi4kXc8n/ADxTpu+vYD19ganjjh0+zSKJX2r8qqoLu7E8ADqzEn6kmueVClK62S3ff16evbb0pycrOSu3su3p19Pv9dixv/7evINK0M7tUu38uKCVcNHxlpGU4yqgFjjrjGckV9CeHtPttA0Gz0jT4JBFaxhBv2hnPVnbnqzEsT3JNcx8MfAX/CN2P9r6xEh1y8jww6/ZIjgiEe/ALEdTxyFFd66K4w6g/XtXwmZYx4qrZP3Vt/mfY5Vl0MDSenvS3/yG75e0P5sKN0//ADzQfVz/AIUbJE/1b7h/df8AxoEwBxIDGf8Aa6fnXlnsB+/PaMfiTRif+/GP+AE/1qSigCPZN3lX8E/+vR5cnedvwUf4VJSFgOpA/GgCF7USHLyyE9iCAR+IFN8iRP8AlpJKPQvg/pUxmjHWRR/wIUn2mH/nqn4MKAI1WFjtbzA3913bP86k+zxd0B+vNNaaBxhsMPTaTTN+3/VNIR/daNiPzxQBKLeEf8sk/wC+RThEg6Io/CoPtgX/AFkMie5Xj86kEzEZWGQj6r/jQBKBjpRUfmSdoT+LCjdN2iX8X/8ArUASVj3nhjT7i5a7tA+m3zdbqybynf8A3wPlkHs4IrUzP/djH/Aif6UYnP8AFGP+Ak/1oAxPtHiHSP8Aj7gj1u2H/LW1AhuFHvGTtf6hl/3avabr+narI0VrOVuUGZLWdGimQepjYBgPfGD2NXds3eVPwT/69UdS0Kz1iNV1KNZthyj7drxn1Vhyp9wRQBei/wBZN/vj/wBBFDQqTuXKN6rx/wDrrCTS9b0fP9j366jBnP2bVHO8cdFnALf99hj71LF4rs4pVg1uKbRrhjtAvBtjc/7Eo+RvYZB5GQM4oA2N0qfeUOPVeD+VMaRJJIdpzh+R3Hymp6guI1eSDcOQ5we4+U96AJ6Kj2yp91hIPRuD+dKsyltrZRj0DDGf8aAH1Hb/AOrP++//AKEakqO3/wBWf99//QjQBheN/wDkXYf+wpp3/pbDWhWf43/5F2H/ALCmnf8ApbDWhQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAVdR1Kz0mzN1qM6wQghdzdyTgAAckk9AOaTTdUstXtPtOnXCzxbihIyCrDqpB5BHoeaw/FRCeIPCklwQLVdTYOW+6HNvKI8/8CIA9yKPDZD+LvFckBBtzdwLlfumUQIH/ABA2A+4oA0b3wxo+o3j3N9ZLPLJjdvdiDgYHy5x29KrJ4O0uzw2hiTRpBzusCFVj6tGQUc+7KTW/RQBkx6nrOl8alpsepwD/AJedPUJIB6tCx5/4CxJ7L2rY0zW9N1dW/s66SVk+/EQUkj/3kbDL+IFNrM1jRrXUovNaxgnvI/8AUytIYXjPqsqgshx6UAdJRXDWUvjvTbrDx6ZqOnqD+7mvX+0j0AcQqp/4EMn+9W1Z+K7a5uUtbxW0u7c4WC+Qx7z6I/3HPsrE0AeT/F3RTpfjlNSjUC31iEFsdp4gFbP1TZ/3wa4qvdfipoNxrngS4eBEkutOcX0Cqp3HZneo56tGXX8a8IR1kjV0IZWAKkdxX3/D+J9rhnSe8fyf9M+JzzD+zxHtFtL80OqhZf6Nf3Nn0Unz4voxO4fg2T/wKr9UNS/cSW98OPJfbIf+mbYB/AHa3/Aa9yrolPt+XX/P5HjU9W4d/wA+n+XzL9FVrjUbO0OLm6hiY9FZwCfoOpqq2uW5/wCPaC5uT/sRFQf+BPgfrVOrBO19e3X7hRo1JK6WhJY/6Ldz2J+7kzQ/7rHkfg2fwK1Pd31vYxhrmTaWOEUDLOfQAck/SsLUtTui0U6pbWUkZPltPNuLAjBUqBz26HqBVKC+u1Z5k02S7l283DSnLew3KvHsoxXIq3s37NfLRvT0WunyVup3rCSqe/L81v67GpdXk86eZdSGxtO0at+9k9iR0+i8+/amQ2j3MSpsaytB0hT5Xf6kfdHsOfUjpTtPhhuCL1pvtM3K7ipURHuqqfu++eas3N9DakIxLysMpCgy7fQenv0rohCPL7Sb0f4+r/RaeoNuL5Ka1/r+rv8AAljhjhhEUUapGowEUYAH0rMGoTQK9rpW+e1PBkiAP2bnkITw3fC84+mBUvkXF4c3zCOHtbRnr/vt3+g4+tDXiI32awiE0ifKUThIv949vp19qdWKnFX91dO/ol/T8la4QjZ6+8/w+f8AVvUvW1/pttpv+jzKIoQAUwd4JPQqedxJ+pJqSyt5DI17eqBcyLtCA5ESddo9+5Pc+wFZP9mpI32nUnEk6j5XX5BCP9nHI6dSc/TpUf23U5o2i02f7RblebiVcMB6I38RxnkjHuelYS54Wc4+iW/3f5N26+SdFSvyS33b/wA/+Gv+erNnVLhrZc/Y4mxcEjiU/wDPMe3978vWrF5dfZY0jgQSXEh2wxZxk+p9FHUn+uKpQ6vp9lZrF5clsY1CpbumGc9AF7MSfQn3qzYWsodru9wbqUY29ol6hB/U9z7Yw4y5naL957vt/XT7zCUeXWSslsu/9dfuJLS2Wyt2Msm+RzvmmfjcfX2AHAHYCvVfhX4DkuJIPFmswqBjfpdvJn5QR/r2Xj5iD8o7A56n5ee+HngdvGOo/wBo6jDv0CzlKsm/H22ZT9zHeNT97kZI28gMK9/WZGO37rf3WGDXyedZkpf7JQ+Fbvv5f592fS5Tl7j/ALTW3e3l5/5dkJtn/wCekY/4Af8AGjZL3m/JKkor5Y+kI/KfvO/4Bf8ACkMGRhpZD+I/wqQuo6sB9TTDPCOsqD/gQoAi+xKv+qkkX23nH5Z/lR5ap/rkbH94OSKl+0w9pFP0OaPtEfYsfopNACLDA65VFYevWlEEI6RIP+Aio2MbNuVJFb+8qEE/pSefKnWF5B6gAH8s0AWAijooH4UtQJcl+FhfPcMQD+Wafvl7Q/m1AElFR7p/+ecY+rn/AAo/f/8ATMfiTQBJUZhAOYyYz7dPyoxP/fjH/ACf60bJe8o/BKADe6f6xMj+8nP6df509XVxlCCPameXJ3nb8AP8Kja0DtuMsgb+8pAP6CgCxRVbyJE6u8o/3yp/w/lTlSFzjL7v7rO2f1NAE9BIHU1H9ni7oD9eaBbwjpEn/fIoAcZYx1dR+NRSyWs0bRTNDIjDDIxBBHoRUojQdEUfhTunSgDnP+Efh0/5/DN/JpZHItgpltW9jEfuj/cKGmnX7+wkjGv6Y4iRsm+sEeaLGCPmTG9Dk+jAd2rpaKAK1hqNnqlotzpt1DdQMSBJC4ZcjqMjv7VYZQy4YAg9jWVf+GtPvbtryMSWV8wAN5Zv5UrY6biOHHswIqt5viLSeJYU162HR4dsFyB7qSI3PuCn0oA2/KZP9U5H+y3I/wAait5tsZ81Snzv83UfePf/ABqtp3iDTtUlMFvOY7pRl7WdDFMn1RgDj3HHoavQf6s/77/+hGgDC8bEHw5CQcj+1NO6f9fsNaFZnjaJF8Pwso2n+1NOyBwD/psPatOgAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAgvLK11C0e1v7aK5t5Bh4pkDq31B4NJZWFpptolrp1rDa26fdigjCKv0A4qxRQAVytnr+rnxte2eqW0dnp8Wnm5hiVw8jASFd7EcDIHCgnA6nPA6qsWTRZZfGEmpyGM2kmm/Y2TJ3lvMLHtjGD65oAwdN17W1tvDus6hdRS2muyojWawhfswlRniKt1JGFVs5zkkYxXcVxmm+GNZSPQtL1J7I6ZoUivFPFIxlufLRkiDIVATAIJwzZKjGM12dABUV1a297bvb3sEVxC4w0cqB1b6g8Gquqa3p+jLEdSuRCZmKxIFLvIQMnaqgk4HXA4qCTxTosemW+oHUImtrpisDRguZGGcgKoJJGDkY4wc0ARrodzpy/8U9qUlpH3tLkG4t29trHcg9kYD2NeHeK/hlrGiyy3FhFerZAki2gnZ4ol7BJAAwA6YkCgDq5r6Esr221KyivLCdLi3mXdHJGchhVK88MaDqN413qGiaddXLY3TT2kbueMcsRnoAPwrehiKmHnz03/AF5mVWjCtHlmrnyStzZTO6RSalcPGdrhZpztPpnOKUwLJ00qZx63Ewwf/Hif0r6Y1z4VeE9bXeNMj026UYS609RC6/gBtYezAivIvE/wr8Z6CzTWRg1awXrJZwk3AHq0ZP8A6Du+lfXYTOcLVVsRFRl5RVvvdzwq2XVabvSd15t3/A4C30y9tHzp6W1ohOWjLmUH/wAdBH51LF58soi1aeSGRjhVhOyN/ow+bPsSD7U17iMStFPqtyJVOHhSIKynuCuwsD7UjR2sylXg1K5B6hzIoP4EgV7kPZ2XsXp2clb7o3/L5Hny57/vF87a/ey5t07TTuPkwu3G5iN7fieTS/2gZP8Aj1tbiYf3tuxfzbGR7jNZ0NrdWkpfTLDygx+Zbl0OfowJb8yane8vBIVvHj09M4DbN4P0c4A/EV0RryirOPIvJfq7L70mZOkm735vn+iu/wARz2d/NcfaIpYrGUjBaLMhcc4DZwOM+hplvqNvp0zRXKq0zcvLC5lZsf3h94fkQKWQafvKXNzLeyDrHuMn5ogx+YqeOWcIEstOEKdvNZY1/ALk/mBUKC5+aDs//AvvS0XqgesbSWn3fi9X8x0DzarGJRKIbU/wROC7+zMPu/Qc+/apWuLeyAtbSLzJVHy28IGRnuewHuf1qnJp7tL9purtbZu7Wy+WT7FiTmorO9FliGzT+0ImbPmQIdxPqzfdY++RT9pOm/3mjfXRv5Lp6bLsyfZqa93Vdtl82aAspLlt2pOsgzlYE/1a/X+8frx7UNfGYmPTUWZhkGUn92n1Pc+w/HFV4JP7VYrdyiNcc2akq3/AycE/hx9a6Pw/4e1XxNefYPDNh9paIhJJM7ILb/ffGBxztALEdAacq9KnTdVy5Y93u/67b+SJVKc5qCV5dui/r+mzDayt442n1J1nZVO6SYAKo9h0Ufr6k13Xgj4Ta94imjuJ5LrRtBbBczE+dOp/54owJQf7RwOQQrda9P8ABvwk0jw40N/rbx6vq0bB0lkXbDA3/TOMkjI/vNlu4x0r0EzxDrKg+rCvjswztVf3eFjyr+b7T/r7z6DC5Zy+9Xd326Fax0u203T4LGxUwW1vGI4okOAigYAFTNaxOMPvYehc/wCNO+0w9pFP0OaPtEfYsfohP9K+YPbIvsar/qySP7rksP8AGjZCv+ugVfcrkfnUvnr2SQ/8ANHnE9IZD+A/xoAVYosfLGmPZRTgoHQAfhVcq2cxQyRn2K4/LNHm3KffgDD+8rf0oAs0VCkssn3Vj9xvOR+GKd+/9Yx+BNAElFR7Z/8Anon4If8AGjy5e835KKAHPGr/AHxn09qbskT7jbx/df8Axo8pu88n5L/hUEs1rB/x8Xqx+u+ULQBOJlBxJmM+jf41JWNNr3h2Ff8ASdcsUGOfMvlA/VqoHxb4PQkQ+JdLJH8K3qSD6YBNAHUU0yIOrqPxrmV8aeGt2PN8w/3obSSUH8kJptp4+8OX0TSaYt/eorlC9tpFy67h1G7y9uR9aAOmNxCOsqf99Cj7RF2cH6c1g/8ACYQn/U6JrUg7Ysimf++iKT/hKrxv9T4U1l/dntUH6zZ/SgDf+0J23n6Ix/pTWkSQYaJ2HuhrB/4SLWn/ANV4WuF/673sK/8AoLNSf2z4nf8A1Xh/Tl/67asy/wDoMDUAbm6ZP9VHI4/uvj+ef8aBdODh4GjP+2wx+dYX2/xa/wDy56LD/wBvUsn/ALTWkMni6QY+16JCD62csv8A7VWgDo90x6RL+L//AFqMzn+GMf8AAif6VyxtPFW07Nf06I4OBFpbBc/Rpm4rLhfxlFdR2+t6rcqJHCJd6XaQyRcnHzq6F0PvgqO5oA73E5/ijH/ASf60bJj1lX8E/wDr1zP9iai3+u8Wa1IPTbbJ/wCgQik/4Rwt/rdc1qT/ALfmT/0HFAHT+XIeszfgoo8lu80h/L/CuX/4RPT2/wBbc6vL/wBdNZuyPy8zFJ/wh2hN/rbJpvXzp5JM/XcxzQBt6noemarCF1a3juUQ5UzclD6g9Qfcc1iytNoORpviSznhQkmy1acFvUgT53D6uHpB4K8Lhtx8O6W7f3ns42b8yM1bh8PaLbqBBpFhEB0CWyDH5CgDlvEXxE0LUbG30qe6jtNSbUrBxAZkkVgt5CzFZEJXAAJ5IOByBXdVCtpbLE0S28QjZSrIEGCD2I9Kz7Lw/b6ZeJJplxc2tuud1kjgwNx2VgdmDz8hXpQBrUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAc94l1ex0a7s5haJd6zOrwWMW4KSDguSx4RBhSzew6nArA0TTf7H8baOL27iupLq01CZpY+IzdSTRO6oO3y5x3IBPrXYaloGjaxIkmr6TY37xjajXVskpUegLA4qM+GdCbTBpx0XT/sIfzBbfZU8sN/e24xn3oAzPApD6bqckRBtZNXu2tyv3SnmnJHsW3GunqOCCG1t0gtokhhjUKkcahVUDoABwBTbw3IsZzp6xPdCNvJWZiEL4+XcRyBnrigCaivPpPF9/oV1q8VzqMOtf2bpUl3cbIRF5E6kBYxjqrZb1I28nmtmyvNZ0rxJp2na1fR36anbysGSAR+TNHtJUY6oQx65I29TmgA8aeD7DxPZx+dotlf3SttWaa5a2kiXuVlRGbOQPlxg/hXlGtfBLxTFmbRb6J4VHFm10rSn1xKYVB9gQPcmvf6K6aGKr4d3pTa9GZVKNOr8cUz491XTZtEvhZa9Z6tbXZ6QzOyhvcFSEYe4JFVxaRNyuibvQ3DIf6sa+wb/TbHVbVrbU7OC8gbrHPGHU/ga891D4JeHmujc6ZG6DOfsdxdT+Se+AUkVl/8eA9O1e/Rz5W/f0033SX43TPLqZZr+7l99/0aPAPsN6hLWSW9hzkiOUsp+qbQPy/Oori+mt5SNTvUjiz961Krj6hst+VfTWn/AAv8INZxNf8AhOwjn5DxPIbhRg9mbrnAPIBrWg8B+EbUYg8L6OnuLCLP57ac8/SX7qDX/b2n3JJCjlj+3Jfd+rbPmDTdMh1Nw2m2L3zcATSkbQTjjzZSFHUfxD1PFdhp/gh7lkOr+K/C+ixuM7ZNSS4mHtsUhT+DmvfotA0eAAQaTYxgdAlsg/kKuxwxQgiGNIweoVQM1y1M/wAZJWpWgvJf53N4ZZQWs7y9WeQ6d8PPhmnlya34ik12VG3YjkKRAjoVEQ3DseXPbscH0Cx1nwdpdhFZaRZ3MVvCu2OOz0i5YAf8BjOfx6810NFeLVrVa0uapJt+Z6EKcKatBWRjjxbZKf3Ok6tOPbSZYz/48oH8qrx/EOzfUm0+DQdY+2D7sEkMUDSD1USSLuHuOK6Cq19p1nqduYNQtormLOdsig4PqPQ+9ZFlb/hJtUf/AFXhPUV/67XNqv8A6DK1N/t3xC3+r8Nwr/121IL/AOgo1aEEKW1vHBFu2RIEXcxY4AwMk8n6mpKAMv8AtTxY/TR9GiHvqcrn/wBECkNz4ufp/YsPvtlkx+q1q0UAZOPFz/e1jR4weyaVISPxNxz+VJ9j8SP9/wASIv8A1y09B/6EWrXooAxH0TVZiDN4s1QH/plBap+vkk/rWTcaJ4mtLp5f7e1LV7RmyIknjtp4x6AhQj/iU+tdjRQBi/8ACL2zf67Utbk/7jFyn/oDik/4RDSG/wBal5P/ANd9QuJP/QnNbdY6eKtJk1XVLAXGJNJhWa8kI+SNSGPX1AU59KAI/wDhCvDTf63RLOf/AK7xCTP/AH1mpYvCXhyD/U6Bpcf+5ZRj+lM0nxRZ6teLarb3lpNJB9ogW7hMfnxZALL9MrkHBG4ZFbVAFWLS9PgOYLG2jPqkKj+Qq0AAAAMAdBRRQAVnT6DptxqSag1v5d4jKfPhdo3bByAxUjcv+y2RWjRQAUVh+MNdbw94dkvInhjmeWKCOSf/AFcbSOF3t/sqCWP0rm08WX0VjerZaxb6pK01ra2xuLRreaCaaTy8vGQuY8EMpGM4Ye9AHoFFc7pF9qNr4outC1W7W+xaJeW9x5QjbBZkZGC8cEAg4H3vauioAKKKKACiiigCrqOp2ekWZutRuFghDBQzc7mJwFAHJJ9BzVRfE+jNpLamL+P7IknlM5BBEmcbNuN27JHy4zz0rI8db5pPD9pbyra3M2qIYLyQZSB1jduV/iLAMgXIyW68VzFrvtfGsEGpTJdGLxFvur1RtjkkksnEK7f4SuFXGTyVOcmgD0jTdUstXtPtOnXCzxbihIyCrDqpB5BHoeat1zHhsh/F3iuSAg25u4Fyv3TKIED/AIgbAfcV09ABRRRQAUUUUAVNUnvbewd9Ls1vLokLHG8ojXJPVmPQDqcAn0FcjY+JNYv/AAt4cQTwx6prVw8MlwIsrEqCR3ZVPGdseBn1yc13Ncdb+FNSsfDehR20lq+qaNctOgZ2EUoYSKyFtuRlZDztOCBxQBDP4m1XTrPVdOllhudTtb+2sra5aLari4KBHdQcZXc2QMA7R0zWrpF9qNr4outC1W7W+xaJeW9x5QjbBZkZGC8cEAg4H3vaqEvhPUb/AE/VLq7ltYNYvL2C9hEbM8MDQFDEhYgFh8h3HA++cDgVpaRpepP4hutb1tLWCeS2S0ht7WVpVjRWZmYuyrkszdMcBR1oA36KKKACiiigAooooAKKKKACiiigAorP1bXtJ0GOOTWtRtrFJSRG1xIEDEdQM1U0/wAZeG9Wvo7LTNcsbq6lzshinVmbAJOAPYE/hQBt0UUUAFFFFABRRRQAUUE4GTwKbHIk0SyROrxuoZWU5DA9CD3FADqKKKACiiigAqvqENzcabcQ2F19kuXjZYbjYH8t8cNtPBwe1WKKAOI1Lwnq3iyXPiRbGxWOwuLRTYyvK0rSqAXO5V2qNuQvPPU8c6NhpWt3mv2OpeIhYxf2dbyRRLaStJ50km0NIdyrtGFwFGfvHniumooAKKKKACiiigBCQqksQABkk9q5nTvGRvZtOkm0yW207VXKWN20qnzDtLLuTqoZVJXr2zgmuiuYftFpNDu2+YjJnHTIxXAaYl5e6X4S0BtOvYLrRpoWvpJbd1ijWCNlyshG197bcbSeCScYoA9EooooAKKKKACiiigCvfpdS6dcR6dMkF20TLDLIu5UcjhiO+DzivPtX1W98LXOonR9UvNVGn6TNNqH2uTzUinwvknOPlYncSg4284HFd9qlvdXmlXNvp959iuZYykdz5e/yiR97bkZI+tcxpfgm+tNEm0PUdVs7rSriCSKaKHTzFLIXGC5kMrZbJySQSTQBLbR3vh/xZpFhJql3qEOpW0wnF0+/E0YVg68fKCCwKjjpgcV1tc9pnh7UI9XttQ13VY9Qlsrdre1EVt5ON23dI/ztuchAOMAc8c10NABRRRQAUUUUAUdbOpf2Jdf2GsR1AxkQeacKGPGT9OvvivLrrStVM3iXR7bSFhkfw4iYF35ryNvuG3E7RuZ2LZ9+e9ev0UAcXFq9h4m8b6DPoVxHdRWVpcS3LRHPkBwirG/91iQTtPPyHiu0pAAM4GM8mloAKKKKACiiigDH8UaK+u6IbaB447iKaK5gaVcp5kbh1DD+6duD7GsC/8ACmsa7d3OqagbGx1BI7dbGOCV5o1aGbzgzsVUkFhjAXgZ6k129FAGBpGl6k/iG61vW0tYJ5LZLSG3tZWlWNFZmZi7KuSzN0xwFHWt+iigAooooAKKKKAIL2xtNStHtdRtYbq3f70U8YdW+oPFV00HSI9JOlx6XZrp7fetRAvlHnPK4weeav0UAV7KwtNNtEtdOtYbW3T7sUEYRV+gHFWKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAI5YIZwBPEkgHQOoOPzrz3wjfQeH/g1Jra2kck1kL6VflALETy4GeuOg+lejVj6Z4Z0/TPDDaABJc2LiYOs5BLiV2ZgSAOPnI+lAHH6L4k8Q/2rpJlfV9SjvZBHexT6G9vFbBlJ8yOTYPlDYHzFsg5yKp2ev8Ai2bwp4e15tchMmq3kVk1q1knlIJGZBJkYYsCA2MgdsV2Fh4Mjs7uykudY1O/g085s7a5kQpEcbQSVUM5AJALE4/WnQeCtOg8P6To6TXRt9Juo7qBi672ZHLAMduCMnnAFAHNapr/AIj0G18SWa6ml/dWH2CS0ubiBEOJ5djI4UBSPlPOAefarGu+INZ8DTh9S1D+2oLiwuZkWSBImimhUMANgHyNkjByRgcmrXjvwm2o6Frk2mpPcX2prZxPCrgALDMGyvQg4ZieewxWlB4LtGuJZtYvbzWne2e0T7cyERwv99QEVeWAGWOWOOtAHNaL4k8Q/wBq6SZX1fUo72QR3sU+hvbxWwZSfMjk2D5Q2B8xbIOcinaHrXiGb4eN4n1XxFaQtc24EST2oWG3Pmbd+VG52IHC9CxAArorDwZHZ3dlJc6xqd/Bp5zZ21zIhSI42gkqoZyASAWJx+tO/wCEJ03/AIQyDw0JroWtsVaGcOomRlferA4xkH2x7UAcZP4g1Se51DSBq+o3lpd6NczpcX2li1dGTb9wFF3KQxByvHY1q+GdR1DT4PAOl/a/Ot7/AEuSSYNGoOEhiKKCB0XcR6nvW1H4Jt5NUXUtT1TUNRu/ssto7TtGqtFIBldiIoGMZyMHnknjDF8CW8Wm6Vb2+sanHcaRuFle7ojLGhUKYzlNrLgAYK54HNAGDqnijXzqV3Y6fexQMfEUOmxSPAr+XE9vvJx3IbkZ9MdKrSeI9eOsajpf9r6r/wASllgFxZaH9p+0yFA5aXahVR8wG1dpwM55rp7bwDpttIsn2y/mkGpJqbPLKrM8yx7Ofl6EEkgY56YHFWL/AMIpc6pdX+n6tqGkzXqql2LNk2z7RgNh0ba2MDcuDgUAXfDWo3mreGbG91SyexvJogZ7eRChR+h4PIGRkZ7EVqVW03T7fStNt7CyUpb28YjjBYscD1J5J96s0AFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVFdXMdnZzXNwdsUMbSOQM4UDJ/QVLWb4k/5FXVv+vKb/wBANAEser2c2gprKSE2T2wulfac+WV3Zx16dqlsL2DUtNtr60Yvb3USzRMQRlWAIOD04NeaWVn4wPwnt3j1jShY/wBiKViNi5kEfkfd3eZjdjjOOvatLwPfXJ1jRbAzyfZB4RsphDu+UOWILY9cADNAHoNFeUaZf6nrepaDYzazfRW95eass7QTlXkSKQbFDdRjoCOQM4IzUdwupweEfFWor4g1Yz+Hr6aKwzdHARAjgSf89c7yDvzwBQB6jb6jb3V/eWcW/wA6zKCXchAyy7hgng8enSq2oeINP0u8+y3cjiY2st2ESNmJjjxvIwOvI46muJ1rXtUt9S8V29vfSwr9v020hlzkWiTKgd1B4H3ifqc1T8SadJ4c8TSS2WrX8zr4b1GSL7VctLJC6hDuDt8wyccZwCvGKAPSbLVrLUJnitJ1eWOKOWSPBDRrICU3DsSAeOtXK8s8M6Xc6prPidodTvYb640mxKTi4b5ZJIXO4884YDHpz61s+HfEd54q1nRhHJJAtlYNcapGhwDcMTEImx6MkzY9loA7qiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACivGP+GofBf/AEDNe/8AAeH/AOO0f8NQ+C/+gZr3/gPD/wDHaAPZ6K8Y/wCGofBf/QM17/wHh/8AjtH/AA1D4L/6Bmvf+A8P/wAdoA9norxj/hqHwX/0DNe/8B4f/jtH/DUPgv8A6Bmvf+A8P/x2gD2eivGP+GofBf8A0DNe/wDAeH/47R/w1D4L/wCgZr3/AIDw/wDx2gD2eivGP+GofBf/AEDNe/8AAeH/AOO0f8NQ+C/+gZr3/gPD/wDHaAPZ6K8Y/wCGofBf/QM17/wHh/8AjtH/AA1D4L/6Bmvf+A8P/wAdoA9norxj/hqHwX/0DNe/8B4f/jtH/DUPgv8A6Bmvf+A8P/x2gD2eivGP+GofBf8A0DNe/wDAeH/47R/w1D4L/wCgZr3/AIDw/wDx2gD2eivGP+GofBf/AEDNe/8AAeH/AOO0f8NQ+C/+gZr3/gPD/wDHaAPZ6K8Y/wCGofBf/QM17/wHh/8AjtH/AA1D4L/6Bmvf+A8P/wAdoA9norxj/hqHwX/0DNe/8B4f/jtH/DUPgv8A6Bmvf+A8P/x2gD2eivGP+GofBf8A0DNe/wDAeH/47R/w1D4L/wCgZr3/AIDw/wDx2gD2eivGP+GofBf/AEDNe/8AAeH/AOO0f8NQ+C/+gZr3/gPD/wDHaAPZ6K8Y/wCGofBf/QM17/wHh/8AjtH/AA1D4L/6Bmvf+A8P/wAdoA9norxj/hqHwX/0DNe/8B4f/jtH/DUPgv8A6Bmvf+A8P/x2gD2eivGP+GofBf8A0DNe/wDAeH/47R/w1D4L/wCgZr3/AIDw/wDx2gD2eivGP+GofBf/AEDNe/8AAeH/AOO0f8NQ+C/+gZr3/gPD/wDHaAPZ6K8Y/wCGofBf/QM17/wHh/8AjtH/AA1D4L/6Bmvf+A8P/wAdoA9norxj/hqHwX/0DNe/8B4f/jtH/DUPgv8A6Bmvf+A8P/x2gD2eivGP+GofBf8A0DNe/wDAeH/47R/w1D4L/wCgZr3/AIDw/wDx2gD2eivGP+GofBf/AEDNe/8AAeH/AOO0f8NQ+C/+gZr3/gPD/wDHaAPZ6iubeK7tZba4XfDMhjkXJGVIwRke1eO/8NQ+C/8AoGa9/wCA8P8A8do/4ah8F/8AQM17/wAB4f8A47QB63HpVlFoi6RHDixS3FqsW9uIgu3bnOenGc5rNuvBeh3UdijW0sX2C3FrA9vdSxOsIAHlllYFl4HBJrzb/hqHwX/0DNe/8B4f/jtH/DUPgv8A6Bmvf+A8P/x2gD0+x8J6JpktnJYWCwNZNM1uFkbEZmOZMDOMHHToO2KfJ4Z0iXTtSsXtM22qSvLeJ5j/AL12ADHOcjIUdMdK8t/4ah8F/wDQM17/AMB4f/jtH/DUPgv/AKBmvf8AgPD/APHaAPVJfDmkznUzPZJL/aoUXgdiwl2rtXgnAwAOmPXrVCLwH4fieV2tZ55ZraS0eW4vJpXMLgBo9zOTjAGPTnGMnPnX/DUPgv8A6Bmvf+A8P/x2j/hqHwX/ANAzXv8AwHh/+O0Aemf8I7Yabcvquk2G7UYrMW8SC5dFlVFIRG5Kn03EEjNV/B+gS6Pb6heX0EMGoatePeXMcDblj3fdTdgbsDknAyS1ed/8NQ+C/wDoGa9/4Dw//HaP+GofBf8A0DNe/wDAeH/47QB7PRXjH/DUPgv/AKBmvf8AgPD/APHaP+GofBf/AEDNe/8AAeH/AOO0Aez0V4x/w1D4L/6Bmvf+A8P/AMdo/wCGofBf/QM17/wHh/8AjtAHs9FeMf8ADUPgv/oGa9/4Dw//AB2j/hqHwX/0DNe/8B4f/jtAHs9FeMf8NQ+C/wDoGa9/4Dw//HaP+GofBf8A0DNe/wDAeH/47QB7PRXjH/DUPgv/AKBmvf8AgPD/APHaP+GofBf/AEDNe/8AAeH/AOO0Aez0V4x/w1D4L/6Bmvf+A8P/AMdo/wCGofBf/QM17/wHh/8AjtAHs9FeMf8ADUPgv/oGa9/4Dw//AB2j/hqHwX/0DNe/8B4f/jtAHs9FeMf8NQ+C/wDoGa9/4Dw//HaP+GofBf8A0DNe/wDAeH/47QB7PRXjH/DUPgv/AKBmvf8AgPD/APHaP+GofBf/AEDNe/8AAeH/AOO0Aez0V4x/w1D4L/6Bmvf+A8P/AMdo/wCGofBf/QM17/wHh/8AjtAHs9FeMf8ADUPgv/oGa9/4Dw//AB2j/hqHwX/0DNe/8B4f/jtAHs9FeMf8NQ+C/wDoGa9/4Dw//HaP+GofBf8A0DNe/wDAeH/47QB//9k=) ![Chart, surface chart

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAkACQAAD/4RD4RXhpZgAATU0AKgAAAAgABAE7AAIAAAAPAAAISodpAAQAAAABAAAIWpydAAEAAAAeAAAQ0uocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEFiaGlqaXRoIFNoYWppAAAABZADAAIAAAAUAAAQqJAEAAIAAAAUAAAQvJKRAAIAAAADNzAAAJKSAAIAAAADNzAAAOocAAcAAAgMAAAInAAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADIwMjE6MDU6MDcgMDE6MjQ6MjQAMjAyMTowNTowNyAwMToyNDoyNAAAAEEAYgBoAGkAagBpAHQAaAAgAFMAaABhAGoAaQAAAP/hCyFodHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLjAvADw/eHBhY2tldCBiZWdpbj0n77u/JyBpZD0nVzVNME1wQ2VoaUh6cmVTek5UY3prYzlkJz8+DQo8eDp4bXBtZXRhIHhtbG5zOng9ImFkb2JlOm5zOm1ldGEvIj48cmRmOlJERiB4bWxuczpyZGY9Imh0dHA6Ly93d3cudzMub3JnLzE5OTkvMDIvMjItcmRmLXN5bnRheC1ucyMiPjxyZGY6RGVzY3JpcHRpb24gcmRmOmFib3V0PSJ1dWlkOmZhZjViZGQ1LWJhM2QtMTFkYS1hZDMxLWQzM2Q3NTE4MmYxYiIgeG1sbnM6ZGM9Imh0dHA6Ly9wdXJsLm9yZy9kYy9lbGVtZW50cy8xLjEvIi8+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczp4bXA9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8iPjx4bXA6Q3JlYXRlRGF0ZT4yMDIxLTA1LTA3VDAxOjI0OjI0LjY5NzwveG1wOkNyZWF0ZURhdGU+PC9yZGY6RGVzY3JpcHRpb24+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iPjxkYzpjcmVhdG9yPjxyZGY6U2VxIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpsaT5BYmhpaml0aCBTaGFqaTwvcmRmOmxpPjwvcmRmOlNlcT4NCgkJCTwvZGM6Y3JlYXRvcj48L3JkZjpEZXNjcmlwdGlvbj48L3JkZjpSREY+PC94OnhtcG1ldGE+DQogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgIDw/eHBhY2tldCBlbmQ9J3cnPz7/2wBDAAcFBQYFBAcGBQYIBwcIChELCgkJChUPEAwRGBUaGRgVGBcbHichGx0lHRcYIi4iJSgpKywrGiAvMy8qMicqKyr/2wBDAQcICAoJChQLCxQqHBgcKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKir/wAARCAF/Aj4DASIAAhEBAxEB/8QAHwAAAQUBAQEBAQEAAAAAAAAAAAECAwQFBgcICQoL/8QAtRAAAgEDAwIEAwUFBAQAAAF9AQIDAAQRBRIhMUEGE1FhByJxFDKBkaEII0KxwRVS0fAkM2JyggkKFhcYGRolJicoKSo0NTY3ODk6Q0RFRkdISUpTVFVWV1hZWmNkZWZnaGlqc3R1dnd4eXqDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uHi4+Tl5ufo6erx8vP09fb3+Pn6/8QAHwEAAwEBAQEBAQEBAQAAAAAAAAECAwQFBgcICQoL/8QAtREAAgECBAQDBAcFBAQAAQJ3AAECAxEEBSExBhJBUQdhcRMiMoEIFEKRobHBCSMzUvAVYnLRChYkNOEl8RcYGRomJygpKjU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6goOEhYaHiImKkpOUlZaXmJmaoqOkpaanqKmqsrO0tba3uLm6wsPExcbHyMnK0tPU1dbX2Nna4uPk5ebn6Onq8vP09fb3+Pn6/9oADAMBAAIRAxEAPwD6AooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiucm8eaF5rwaZPJrNwhw0Wlxm42n0Z1+RD/ALzCoqVIU4uU2kl1eg0m9EdHRXF6hq/ja+tXOh6dpOlueE/tOd5n+pWIbVP0Zv05wHsdfn58W6Xfa96xWuqRmDHceTtgVx6bw59/XwMRxHl9JPknzvsmvzbS+65tHD1HurHqQIIBByD0Ipa8hvdS8B2+oWthrfhgadfSDbbQtpQeUgdk8gMe2OPb2rPXxBpFxcm38N3l7o8mcLLqeuy2an/aW3dmZv8AgSLnjnFc1DiSM9alCaXfRr77q/yuU8PbaSPbqK8+0ay8ULZCQeOv7RYngmxheIe3y4Y9f73+FXbrWvE+j2r3OoXnh2a3jGWkn8yyUD3YtIB0/wA456afEuVzlye0s/NP/Il4eolex2lFcDpvxJv7+68uPwneXkIGTdabOskBH+zJMIlf/gBPQ/jsDx3YR/8AIQ03WrH3k02WUD6tEHA+pOK9WOYYST5VVjftdX+7cz9nNdDpqK5+Hx54VnkEY8QafFIekdxOIXP/AAF8H/Ct5HWSNXjYOjAFWU5BHqDXYmmrogdRRRTAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAopksscETSzyLHGoyzu2APqTWOvim0vONCt7rWiej2Ee6E/wDbZiIvw3Z9qANugkAEk4A6mshLbxPqMhWSSx0aMANtRTdSnOe52qvT0b6+lhPBemSkNrL3Otv3/tGXzIz6fuQBFkeuzPv0oAqt4p02SVodMaXVp1ODHp0Zm2n0Zx8in/eYU4DxPfAmO1sNHi6+ZdyG5kH1jQqo+vmH6HHM134x0LTJDp9g/wDaF5D8v9n6Wglkj9mA+WIe7lR2zXNeIZPFviaKGOOwsbDTA++fT7i+YTXajokkkaMqLnqq79wABbBZT5mOzXCYFfvppS7X1f8AXd6Fxpylsijc6J/wmNwqXGrale6LG+ZZnl8lL4j+COOMKvk/7TbmboDj5m2J/BXhi4ffJoGnBx0kS2RGH/AgAaiXWNetVC3PhOR1UY/4l97DIAPYSGP/AD69KpXfxH0uwuDaXthq0OoeU0qWQsXkkkA9PL3Lj3zgdyK/Jswx2Y5liPaJ7bKLTsvk/vbO+EYQVhusaFo2gWBulv8AWrTLCOGC11GaRpZD92OON2ZSx9AAOpOBk1mx+CPE+qWUcmr+L9QgZiW+wgJsjQ/dR3h8tnYcZIODyORybuja/oFzqA1LWtf01tVKlYraSdY/saHqiK+Gzx8zkAnHYAAdlFNFPGJIJEkQ9GRgQfxFcVTEYjDaP4v5mr/JXX4/dpvaSZyOm6Br3h6J49KsvDkqud0nkQyWTSkd2P73cx9SSfrVe98Tax9oudL/AOER/tO/hiEjwWt9HJEgJwod3C7SeSBtJIBIGK3NV1O7urptI8Osn23j7TdsN0dip7kfxSEfdT8WwMbr+k6Ra6LY/ZrNWIZzJLLI26SaQ/ed2/iY+v0AwABUOukvaV4qUntun6uzXy6vfRWu7vZM8tn0my1KbzvEmky6Ax6jS9CfzAOuDdKjfmAhHPTtdt9C+Hb6hDcWOufZdThACSTamWnTHfZOWK9P7o6e1eoTTR28Ek1xIkUUal3kdgqqoGSST0AHeuZW3/4Td1m1C1C+H43DW8EyfNfkdJHB+7FnkL1fgn5eD1QzCdSLbcoxXZ6elra+jfq7CtboYT6tdI7R+HfE99rkynaIl02K6QH0MqCJFPbLSDv6HE4k+JVzYllh8P2sjH5RIZRIF5zkAuit0x8ziuhl8D+GJZDIuiWcErfekto/Ic/VkwazNW0Sy0WBDp+p67FczN5dta29+07zPjO1VnLqAByScBQMnAqY4nDzahTir/3or84tafId2tzIOkXbkN4s8Oal4gKkNzfwXEII7+SfKT8dhP61BLqXw9GpSW11oLWOpLG0pii0qQTgKMk5hUkY9c/StKbwP4lv4IW1PxfJcOATJaPBiAknO0mFoWcDpluD12jpV6w0rxDoNv5Gm6V4elh7rbvJZZPrjZJk/U9+p79H1imlpU97tGUopfOWnySQfL7zkbXxFZ6lKIfCmq3mmOfutqviExke6wOZWPOeGVAeeeldnptl4wt7JGl8aRajP18yfSoxE3/AY2U/+Pev4ZOoeKNTujd2EfgmTVbi1KrcIt1DJDGWBIBY8k4AJUKSARnqM84dH0m6l83W4ZfDQJ3FNK0Sa1P/AAK5KEEe6hCM/n60Mxx6jaFWUF6qo327taeSTM+Sm+l/wO8vvEviLQrb7Rqz+HJIAcGSa6ksQfYbhIM+2efamaX8R7zUWf8A4o/V3iQc3FsYzE3+6ZWjZh7hTXN2ejeBpNUN/onijyNSC488aolxMg9P3+8gY7EYxU51rVMlfDOvzeInHQ/2Uk0RPoZkaGP/AMeyPQ120uIcfCNrqT/vxcbf+Aq3zuvQl0IP/gHYjx7pKcX1vqti3cT6ZPtH/A1Ur+tWrXxr4YvXEdt4g015P+ef2pA//fJOe/pXGyP8SbjT4isGgWsxY+aqTSF9vbGVZQemQcj3qodK8yVJfFPhfWddlQ5D3Nzb3MIPqIQ6IOpwRHnmu6jxVNL99CL/AMMlf8f8yHhl0f4HrNFeOTav8NrS6ngksJNLvok82W3ttPuLeYDP3sRKO/f61DZ63JrDCPwh4jutMB+7JqWupcuPQiBzKx+jsp65HFenR4jpyV6tGcF3aVvzV/kmZvDvo0z2miuLtrfxhaW6D/hJ7S9lA+drvShhj9I5EwPbn61Hf+LNe0C387WYvD7wjA806g9oT9FdHBJ6AbuTXTR4iyyvLlhV1801+hLw9Rbo7iiuJ0r4jTajFJI3hHXEjjIHnJEnlvnum9kZ1/2guORWivj/AEFeL172wbv9t0+eFR/wNk2n8Ca9SGNw1R8sKkW+11f7jJwkt0dLRWTYeKvD+qMF03XNOum6bIbpGYHpggHIOe1a1dZIUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRVPUdY07SUVtSvYLXecIJXAZz6KOrH2FUl1nUL7/kC6Fdzofuz3h+yRfX5h5mPcIeOmeKANmq19qFnpluZ9Ru4LWEf8tJ5Ai/maqLoeu3/OqayllGetvpcQDD2M0mSw91RDVvSvDOkafL9qhs1kuwzD7Vcs082Ax/5aOS3b1oAzl8RG940PStQ1L/AKaLD5EQ9/Ml2hh2Ozcfbg1Mul+I9Q5vtRtdJiPWKwj86Uf9tZAF/wDIf410tFAGFB4M0SOVZrq0OozqcibUJGuGB9QHJC/8BAxk+prdoooAjX/j6k/3F/m1cz45vHktbTQLWRkuNWkIlZDgx2qYMzZ9wVjyOQZVPY10y/8AH1J/uL/Nq4PTrj+3NZv/ABCeYbgi1sfa3jZsOP8Afcu2e6+XnpXkZxjfqeElNfE9F6v/AC3Jk7IpQeB9HsYhHpLX+mRgkiOy1CaKMZ9EDbf0qRtI1a0Rnt/Ft+saDOLyC3kVR7kRq2Pq3r7Y3qwPExOoNa+H4zzqRY3OP4bVMeb/AN9blj/7aZ7V+XxlKtO09fNpP13JjUmtmYMFv408R2Nvf3OqWhsZlLRWcIlsTJGSdjvIhZwWXB2gqBuOQcCtbTJL/wAPwtFa+CLeFXbdJ/ZN5E3mN3ZjIIizH1PJ7mumAAAAGAOgFI7rGjPIwVVGWZjgAetRUlCouXkVuyuvwTSfqaLEVE73OX1bx5aQxtb3fhnWJ7oKrG0NmspVScB2KFwFyDzz04BrmBYeE9cuA+q6loPh2Rj/AMe2mqlvO31nlRHOf9lFI45PFdn4WRru1n12dSsurMJo1YYMduBiFSOx2/MR2Z2FbckUcyFJUV1PVWGQatRpYZuNK6fVp/fo01v8/Mv61J/EjC0/wfpEdsX8OavqVrDI5kLWupPMjMeS37wuCT1rOutS1KzupLPRvE9zrV7GdptzpUdxtbssjxeUif8AAmWma54X0HVfEFppUWjWCPIPtV/PHboknkq3yx7wARvf35VZB3rStvBWnadbrBot3qmlwpwkVtfymNP92Nyyj8BU+xilzVJuTe3NFP727v7jRYqPaxQk07xtq8MB8R2GiXUET+YbCC8lgSVgcqZcxvux12A7c8ktgY2/7f1m34vvCl63q9lcwTKP++nRv/Hao31vrGi6dcX3/CWTm3tomlkN9ZQy7UUZP+rEZPA7k/jWT/ZnjfU44rnWrqzuoJo1d9JhmksEQkZKs6B3f0I3BT3BBrN4V1VeXJZduZfcrpX9fm9jVYin3Zo33xO0izW6t0tNSk1W3RWOnGyl3jcdqlnClVXPVifz4Bd4Z1TQnuZb688SaZqGt3C7Zilwq+QnXyo4ydyIOvPLH5j2xJp9/e6FaC1h8EtBADnZpNxAyZ7khzGTn1wT0z7UNb8daU/+iXXhjUr65XG+G4sN0cAOSrSPhgoODjGT7dcZ/VW06dGk9d2pRf8Awy8r+rehoqsHrzI7tWDqGQhlYZBByCKwbvUrjWb6fSdBmaJYG2X2ooARAe8cechpfzCZycnCnh7LR/CWsXytda3oWlMX3/YNClFnIxz0eTIdxnnKrHk+tddY+DbLT7CNPDet6pptooJjWC7E8Y5JOBMHHXNc08NRwz96T5ul42S9d7/JW9djTmcjoLDT7XS7KO0sIRDDH0UEkkk5LEnlmJySxySSSSSafd3lvYWct3ezxwW8Kl5JZG2qoHcmuHl1rV45Wg8NeIF8STodrxppscwQ+jypJFGh9ic9cCpktfG13eW19rumaNdpABJFZQahJEscnXewMTB3HQfMFUjIycEZvBO/NUmvvs3/AOBW37j5uyL39jHxdfRX/iGyCaZAd1np08fzSHtLOp/NYz93qw3YC2j4E8NAk2+kxWTH+KxZrY/nGV/zj0o/4SPUYP8Aj/8ACuqRjvJbvDOn5LJv/wDHayrz4o6IizW1k0p1KJxG9vd28sCQMc/NK5XCqMHJGT2AJ4q4xx03y0b2X8rul6tP72xe6txmt6auimG20XWNcbVLrItbNbwTb8dWczpJsjGfmYjjOBliqmGfwJ4juykuoeLjft5aiS2ntnigLAc4WCWPIznht38iNbwzeeHjLNPa6/Y6rql1j7VcpcIXbHRAgJ2IuSAnbuSxJPUUVMXWw75Y79W4q79Lq6X49X2TSucjYWPiDQrUW2naBoH2YHPl2Nw1qAfUJ5RXn/eH41k6j4iu9TtZhF4Bn1MxTGCV55LeSAEAbsFS7tjocIeQR1BxvXlzd+J7qTTtImkttKjYpe6jGSrTEHDQwN2OQQ0g+7yF+blegtLS30+zhtLGCO3t4ECRRRrtVFHAAFDrxpPnqwTm/OS++z38vvHdvRPQ8jg0fQPtCTateXPh8Id32bTNNuNLiX/ekI5x6qV6jpnnVsdE8GQXcup+H/Fy20/LNdR6hBdMoPXLzCRsc9z3969C1PU7TR9PlvdQl8qCPGTgsWJOAqqOWYkgBRkkkAc1hQ+G4PEdwuqeKtMgfKkW+m3EaSLApHWTqGkIJz1C5IGeWPUsfKpFzm5KO26aflayv53267q6tboYH9v643y+G9TbxD6E6Odje/n+ZFEfwJ47HIzYuJPiPcW8GLbRbRWX9/8AZrhnmB/2S6bFP1DD61vf8IL4fT/j0s5bH0+wXUttj6CNlFZOqaZdWV0mneHvEOsNqcq7kgklimjhTp5krSRswXPQZ3MeBgZIUa9CpJKlFf8Ab0fz5dLfL5ju1uZi6XYi6W68S+ENZ1S6T/l6vjBeqP8AdRXIX8I1/lVOXXfhvZRzm1W60ya3IWSDT4LqzkRuwIjCgdDyePfFbd94G127vZZbvxDFq9szEx2eo27pGq54VhDIiP8A8DQ9O1aFqniLSLZbe38N6SbdPupp98Y8fRGiAH/fXpXRHFRjaUKjv/dm4Jf+Ba/ckGj3X4XOZ07UtV1wj/hDvElxYwngTX2qwXrDPQiLEpb6NIh6d812ES+MbWNQuvabekAb/tWmMpY98GOUAD8Djjrjnj9Q8QL4ht1lt/h7JqELO8bXl7BFPCCDhioj8xpF64IABx1qhaad4cju47nVPEFzoSocmzsobjSIMdw+/DHH94FPoOMeuszzKCvGrKNullU+93b++xn7Om+n6Hbaj421nw9Cja7ZaKwbhDFqjRPKfRY3j5PsGNWNP+IZvLIXU/hXxBbRbiu42qtnHcKG3kc9dozXMafoPhzSo7jVNA8YfZQQWnu2uLa43Dr88sisxH1f8qd/wkHiZ/l8NTw+I17SPpjQRn3+0GVY2H+4rH2rtp8R45Ky5Zd3JOP320XzkQ8PA7L/AIWD4cjXN7eT6fjr9vs5rYD8ZEAP4GtOw8R6JquP7M1jT73JwPs90kmfyJrgbuT4iTSLvt9NtbYqNw0y4ElwG78zoEH5H8ehpJo+hpO1x4i8G6xfXTKVa41CFL/P+6sbuqdB91V6c13UuKmo/vaab/uyTf3P9GyHhuz+9HrtFeKz+IPhnaxs1nf3mnyRSbPLsJLu0ZHIOAVXaFz/ALWB09quabJ4l1l45PCvimfT7YYyb69t9Rdl6/6tVbt0PnZ9q9KnxHh+Xmr05013krL87v5IzeHl0aZ69RXG58aWwHkaxpF6AoG250542J9dyS4Gf92qN/4/1jQHCa7pejlmI2Ja6xiWT/dikjXJ4PAPauvD59luJko06uvazX5omVCpHdHoFFYXhPxOvirTbi5/svUNKltrg28trqMPlSq2xXB25zgq6nnB9q3a9sxCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKztQ17TtNuVtbiZnu2TetrbxPNMy5I3eWgLYyDzjHB9DUK3HiLUP+PDR49PiP/LbU5hux2IijLZ+jMhHpQBr1n6hr2l6VKkN9exR3EgzHbqd80n+7GuWb8AaavhSS751zWb29z1ht3+ywj6CM7/8Avpz/ADzraZo2m6NE8elWFvZrIcyeTGFMh9WI5Y+5yaAMNNS1jUgP7H0V44m6XOpv5CkeojALn6MF+tSr4b1O9/5DWvTeWfvW+mxi2Qj0L5aT8VZP8Ogtv+PWL/cH8qkoAzdM8PaTo7tJp1hFFM4xJcEb5ZP96Rss34k1pUUUAFR2/wDqz/vv/wChGpKjt/8AVn/ff/0I0ASUUUUAFFFFAHKeOL6SOxGk2chS71graKyn5oosOZZB6YQEA9NzIO4qOCGO2t44IEEcUShEReiqBgCub1O41jWvGd9rGj3FilvZb9Lt0u7d5C2x/wB86srrtzIuwjDZ8lTxzUg1TxRB/r9F066X1ttQZW+m14wP/Hvyr4LP418XiFGnZxj5rfrv9xxzxNLm5XLY6SsDw5/xM7q98Qvyt6whs/a1jJCkf77F5M91dAfu1i+JfFN4+lrp02harYy6jKLbzUMUxEZBMjKIpGfIjDYO0YbHtnWg8Z+G7aFIXuW06ONQireWktsqADAH7xVH/wCr2r554PEU6b9x3fbXRend/kUpxezOjrA8Sk6jJaeH4z/yECWusdrVCPMH/Asqn0c+laNjrelaocabqdneH0t7hJP5H2rO8Nf8TKS78QvyuoELae1qmfLI/wB8lpPo6g8iuenF025yVrfn0/z+RZvAAAADAHQCmyyxwwvLM6xxxqWd3OAoHJJPYU+sDxJ/xM5rTw8nIviZLz2tUI8xT/vkrHj0diOlZU4c8rP+l1EO8LRST2c2s3SMlxqzi42OMGOHGIkIPIITBI/vM1btFR3E8VrbS3FxIscMSF5HY4CqBkk/hROTqTv/AF5IDE1r/ia65YaIvzQqRfXw/wCmaN+6Q+m6QA+4icHrW/WJ4Ygle0n1a8jaO61ST7QUcfNFFjEUZ9MIASP7zN61t1dbRqmun59f8vRIZW1C+g0zTbi+u22wW8bSyEdcAZOPeqPhuxntdNa4v1xf38hurof3WbACfRECoP8AdqvrH/E28QWOirzDBtv73/dVv3KH/ekUt9IWB6it+iXuU1Hq9fl0/wA/uAhuLW3vIjHdwRTxnqkqBgfwNcZfeDvDuseLPsMejWcNtaQedfNbRCIzPICscbMmCcKGYjr/AKvsRnsNQv4NL024vrtisFvG0jkDJwBnAHc+g7mqPhuwns9LM2oKBqF9K11d4OcSNjCZ7hFCRg+iCro1J0oOcW10Xr/wF+LQLQrx+EorSNU0vWNZsVUYVUvmmVR6ATbx+n9aq6s3iHw/pNxfxeIxeeSvyQ32no5lcnCoPKMfzMxCj3I/HqawLr/iceLYLQfNaaSBcz+jTsCIk/4CpZyOxMZqYNVJXqJNLV3Sb+9q+uxpGrUWzMebSfGN5MZdeex1WE4xZ2l9Np8SjHOQquZO/DPt9vXXstXudItUtU8F3dpbxjCrpz27Rp9FDqfphfyroKoa1qY0fRri9MZmeMBYoQcGaViFjjHuzsqj3NZyUK9oOC9FdL7k7fgXHE1EcprnjjQL+VrSXwxcajIjbJJNR08x21u2M4lkZGK8EHhW4NUdK8PeFtUvI5T4m063IP8AyD/D12LONhz8rlX8xu/Qp34rt9C0w6Ro0NrLIJp+ZLiUDHmyuSzt+LE49BgVYu9Nsb9Ct9ZW9yp6iaJXH6j2rS9OknToOUV3vf8ABrT5WZp9abfvIzIvCg0yyRNH8R6rp1rBGAkfmxzRIijgfvUYhQAOhHT61jPr3iEyND4Z1S38SSg7f+QUyxAjrm5WRYgR3A3N6L2qufBHhvXfEl3CmkQQaZYR+TJHa5gWa5Yq5P7sj/VqEwR3c91GN5PC8lrGqaZ4h1mzRBhF+0JOFHp++R+P8jFS6EI/HLmk9feivxavJ/K3qafWo9rGelj4tfWo9W13SNM1Frcf6Jb2uoMq2pIwzBXiAZyCRvLDAOABkk7P/CT3UP8Ax/eGNatwOrokU4/ARSMx/KsvVZ/E+h2sb22uWt/LNMkEEF3p3zSux4G6N0AwMsTtOFUnHFUX0jxXcyMfE0Nn4ggJJFtFfNawD6w+V8/0eRx+lZPCOqlKajZaKzafyTaX9dXc1WIp9GWNU+J+keWLXSLlY72SQwvNqMElvBZEAEvMXC9ARhQcscDIGWG54Zm0RbUxaVrFtqlxKfMuLlLhJJLh8YLtt47YwAAAMAACqtpr0ml2sdr/AMIfqVjbxDCJaJBJGg9ljkz6/wANc7rXi3wrqreUvh23vvmZXudYsmtreJ1bayl3jJLKVIO1SAV5IrP6m5x9lSpSS6u6l9+y9Ff7zRVIvXmR6USACScAdSa5ou/jEFYX2eHm4aVGIbUB6KR0h9SOX7fL97l9K8IeGdb3mXxLBdQ3EZibTtF1Aw2pVhjaVVyz/iQpOTt5xXUv4durC3L2vizVLWGJfuz/AGeWNVHqXj3YH+99a5XRo0JWjP3/ADi1b03d/lp0120u2dDFFHBCkUKLHHGoVEQYCgcAAdhVXVdUt9IsvtFzvcswSKGJd0kznoiL3Y4/AAk4AJrjF8R+JpmC+Gp7LxMmeZo7BoIQPUzmbYw/3Ax5zj1u20Pie11aTVNW0K01G65SFrPUeIIz/CiSIgBPGWzk+wAFR9ScHepJel7P/wAms16/dcObsS2ngmx1e6fV/F+lWFzfTJsjtGhWSK0jznaCR875A3P6jAwOt0+B9FT/AI8lvbD0FlfzQqP+AK4X9KD4sMAJ1Dw9rlmo5Ym0E+P+/DPn8M1jXvxN0O/22Wia1bWskpKy396phjtAODxIFzJzhVPHc9MHaMcwqy9y/L5X5Uvldfq/Ni9xCX1lqUWspo/hnxJqcl2u17n7SsM8NnEehcmPeWIztTdk9TgAmop/AuvTTPJqmrWXiJCciDUIZYUA9CiOYz6cpyOO5z1Ph2LR7XTFt9Du4bqMkyPMk4leZyfmkdgfmYnqf/rVqTTR28Ek1xIkUUal3kdgqqoGSST0AHeoljqtOXLTVvPlSk/na69E/vKtfc5aKbXdIshC3hiwFrEpwun6goRV6k7ZEjCjr3P9apwaS/jWzivLTwJZJDMNy3WuiFNy5+8ix+YzeozsDDkMQQTv6Xp8/jKZL7UY3g8Oqd1taSAq+ontJKDyIu6ofvdW4+U91X3+S8OKUPrGNjyyeqSck/8At7Xfy6dexy1MQ9onnuj/AAltbO6+06jrF84KlTZabPLZWpz32LIWJ99/rxzXY6T4e0fQkZdH022sy333iiAZ/wDebqx4HU9q0aK+3pYelRVqcUjkcm9zldH/AORi8Vf9hSP/ANIratmsbR/+Ri8Vf9hSP/0itq2a2EFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBl6T/wAlC1n/ALBdh/6Nu66Wua0n/koWs/8AYLsP/Rt3XS0AFFFFAEdt/wAesX+4P5VJUdt/x6xf7g/lUlABRRRQAVHb/wCrP++//oRqSo7f/Vn/AH3/APQjQBJRRRQAVi+LtYk0PwxdXVrg3j7YLNW5DTyMEjz7BmBPoAT2rarhPE11/a3jS2sUO620aMzz+huZBiMfVY95P/XVD2rDEVlRpSqPoZVqipU3Mg0ywj0vS7exhLMkEYTcxyXPdj6knJPuatUVXv72HTdNub67bbBawvNKw7KoJJ/IV8PrJ+bPldZMyLQ/2j4yvrs8xabEtlCe298SSkfh5Q+qmtysrw1ZTWWgW4vV23k+65uh1xLIxdxn0BYgewHTpWrXXLR2XQxqO8tDlvG+kabfaC9rLp1pNdahIlnA7wKzI0hCl1JHVF3P/wAAq6vg/SIQBYpdWGOB9ivZoAPwRgMexGKSf/iYeN7aHrFpVubl/wDrtLmNPxCCbP8Avjpnndq5N8qiX7ScIpRbRjDRdRg/48vE+qxj+5MIZlP/AH3GW/8AHvrWPoJ8TXFxe6zFe6ZdNNM9sv2i1dC0cMjINrK5CqSGb7p+9n0re8RahLpnh+7ubUA3W0RWyt0aZyEjB9i7KKsaXp8Wk6RZ6dbkmK0gSFC3UhVABPvxWLo0nBtwWvkv67G8cZXjC/MVRrXiSD/j58P2s4Hez1HJP4SIg/X1rJ17xOupNb6LfaPqtjFcN5t6HtxOzWycsoEDSE722oRj7rP3xXV1z2lH7b4k1nUDykciWEDdisa7nI/7aSOp/wBysqWW4aU7qNrdm/1uaf2nVjFyaTsaK+OvDWQJ9Whsye16rWxH/fwLitNNZ0ySykvIb+2lt4o2leWKUOqqoyTkdhVYgEEEZB6iuR8Y+H9GurW0hk0mxee9voIfMNshfaG3uAcZ5jRx16E/So/sCjOSUJtfc/8AIKecpu0ofidT4Yt5WsptVvUMd3qkn2l0brEmAI4/qqBc/wC0WPetuuJXwzZw/wDHlc6lZ+i2+ozKo/4Bu2/pUq2OtQf8evii+I7JcwQSj8wit+tKvwzipScoTi/vX+YQ4gwcviuvl/lc0tV/4m3iKy0cc29sFv730IBIhQ/VwW/7Ze9b9eceGb7xMbO41RH0q8fUbh5WMsckLFV/dpyCwA2IvAHUnqSSd1fFGtxf8ffhnzPX7DfpJ+XmCOuPEZDmEUlGndLs18/67WO5ZrgnJx9ok130/M6DUtQg0nS7nULssILaJpX2jLEAZwB3J6AdzVPw5p89hpIbUAv9oXbm6vNpyBK/VQe6qMIp/uotcvqXi601LWLOx1Cw1OytrRlvbuOSzaUuQT5K/ud4xvUtn1iHvXQQ+OPDMzhDrdnBIekdzJ5D/wDfL4P6V59XAYuhStKnJX30fyV/66HbCtSqaQkn6O5vVgXH/E48XQ2o5tdHAuJv9u4dSI1/4ChZiPV4z2q/ea3Y2mi3GqLOlxbwRmTMDBy/HCrjqxOAB3JAqLw7p02naOn27ab+5Y3F4ynIMz8sAfQcKP8AZUVyQTpxc3vsv1+5fmjU1az9c1P+yNGnvFj82VQEhizjzZWIVE/FiB+NaFYE3/E48YxQfetNGXzpPRrp1wg/4BGWYj/pqh6iopRTleWy1f8AXnsIv6Jpn9kaPBaNJ50wBeebGDLKx3O/4sSa0KKz9c1M6To811Gnmz/LHBF/z0lchUX8WI/DNL3qs/NsChD/AMTjxhLOebTRR5MXo1y6gu3/AACMqoI7ySA9K36oaJpg0jR4LMv5sqgtNKessrEs7n3ZiT+NX6dWScrR2Wi/rz3AyvEOozafpRFjtN9dOttaBhkea/AJHcKMufZTVrS9Oh0nSrawttxit4wisxyzY6sT3JPJPqay7b/iceL57o/NaaQPs0Ho1wwzKw9dqlUB7EyDtW/VVPcgofN/p9y/NjKF7oek6nn+0tLsrvIwfPt0kyPxFchZ+B/D3iC+v5X08RaZbzi3s4baV4V8yMnzJRsI53/J/wBsz611HiS/nsdHZNPYDUbthbWWRkCV84YjuFALkf3UNXdOsINK0y2sLNSsFtGsabjk4AxknufU9zWtOtUpU7qTV9tfvf6feCbRljw9fQf8g/xPq8AHRJWiuF/EyIzf+PVS1K78V6S1pb2urabfXN7OIIEudOZSPlLM7MkoGFVSfu8nC8bga6qsDSP+Jt4gvNZbmC33WNl9Fb984/3nUL9Ih61lBRleU4ppeS1fTW1/+Bc1Vaoupi/2V4knkL+KdOi17nPlW+qNFb49Ps5jVSPaRpPrW9H4n+ywrDdeF9Ys41G0LHbxzIB6AQu3H4D+lbdY3iN557WHSLF2S61STyA6H5oogC0snthAwB6bmQdxThh442rGjybuys2rfK7S+40jiaiM5NO07xnCl1oXgy1u4ZxuTVNTtFt4iP7wBHnN7fIAf7w61taD8LbLT7k3OsX1xqBypWwjklisUKnIIgLtuIP95iOAQoIrt7a3hs7WK2tY1ighQRxxqMBFAwAPYAVJX6fgcmwmCilBOT7yd/8AgL5IqVSUtwooor2DMKKKKAOV0f8A5GLxV/2FI/8A0itq2axtH/5GLxV/2FI//SK2rZoAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDL0n/koWs/9guw/wDRt3XS1zWk/wDJQtZ/7Bdh/wCjbuuloAKKKKAI7b/j1i/3B/KpKjtv+PWL/cH8qkoAKKKKACo7f/Vn/ff/ANCNSVHb/wCrP++//oRoAkorD1bxloGi3RtL3Uo2vQAfsVurT3GD0PlRgvj3xiuT1j4pXdvcLDb6P/ZMEi5XUNbbZEOf7se4A+zvGeaynWp0/iZnKpCHxM9A1G/t9L0u61C9fy7a0heeZz/CiqWY/kDXnuhxXH2KS91BCl9qMzXlyp6oz4wmf9hAiD2QVHeadfeILRl17X7q9gnXmC0228BB5GAuWIzg/M7dPQnMHleINJ/1Eq65bD+CcrDcL9GACP8AQhT6sa+ex+MhiUqdN6Lvpf8ArzPHxmJjWShBm7WD4l/02403RR0vbgSzj/phCQ7fgzeWhHo5qzY+IrC9uRaSGSyvj/y53i+XKfXb2ce6Fh71V0z/AImHijVdS6xW+3T4D2Oz55WH1dgp94vz8ynFxld9DzdYXb6G5RRWR4ou57Tw7ciycx3lxttbVx1WWVhGjf8AAS24+wNaxXM7HLFczSIfCv8ApVndau3J1S5adD6wj5IvzRVb/gRrdqCztINPsYLO0QRwW8axRIP4VUYA/IVPRJ3lccneTaMLVf8AT/FGk6cOY7cvfzj/AHRsjB+rOW+sf57tYWgf6Zqms6qeRJdfZIT6RwZQj/v753+ea3aqell2HPS0exU1XUI9J0i71CcFo7aFpSo6tgZwPc9B9ap+H7CTTNAtLa5Ia5Cb7lh/HM5LyN+Lsx/GoPEh+2XmlaQORc3IuJh6xQkOfzfyhjuGP0rYrroRtC/c5q7tFR76/wBfiFYGoH7X400636pY20t24PaR8Rxn/vkzD/8AXW/XPaUftXiPXb7qoliso2/vLEm4/k8sg/A134WN6l+xxTly05S8vz0/I2ap6vfDTNEvr9sAWtvJMSf9lSf6VcrD8X/P4de173k8Frj1WSVUb/x0sfoDXrHl0oqVSKfctaFZHTfDunWLZBtrWKI565VQP6VfoorqOKUnKTk+pgWH7/xbrlx18oW9pn02oZcf+R8/j+Ws8aSoVlRXU9QwyDWR4a/e2t9d/wDP1qFw491WQxqfxWMH8a2a9SirU0ceMf79rtZfckv0OP8AFmgaOzaYq6VZpNc6gimVIFVyFV5D8wGf+WZqxHp0lt/x46rq1qOypfyOo+iuWUfgKl18+Z4l0WD+4lxcf98qqf8AtX/PexXZSweHxEH7ampa9Un0OpY7FUKdP2dSS0vu+7X6Ea33iO1UmLxG8qqP+X20icAfVAh/M1S8K+JvEdtoUF0bPTbxr8fbZdzyW7l5BuIJw44yFHAwFAp+uz/ZfDupTn/llayv+SE06wg+zabbQf8APKJU/IAVw1eGcorScXQSXldflY9Ojn2Y06XM6l9eqXRa/mjbj8fXcf8Ax++Grr3NncxSj/x8of0qhJ470jUvFlt9vjv7O20yPzgktlI+6dwVBJQMFCpuPJ58wY+6ajrJ0f8Aearrc3Y3ixqfZYY//Zi1eRW4Gyvm/dOUW9N79PNHpYfijFcsnUhF2XmuqXdnoVr4z8NXsgjt9d08ynpE1wqv/wB8kg/pVjWNYXT9DkvLQJcyviO1jVsiaVjtRcjsWIyewye1cPNBDcRlLiJJUPVXUMP1rntS0PS/7c0mK3sYLZnmkmke2TyXbbGQPmXB6sD17CvGreHsYPmp17q60cf1T/Q78PxVTqO06TW70d9lfsj13RdMGj6LbWIkMzxqTLMRgzSsS0kh92csx9zV+vLo7W7tv+PHW9XtsdB9saYD6CXeP0pb7xF4n0bSru+TW4rtbWB5it5Yo24KpbGYzH6V42K4FzWLc4yjLrvb80ehR4kwFaSjdpvuv8rnY2n/ABOPFlxenm10oG1t/wDanYAyv+A2oPffW/Xm+i67r+g6XBYiw0/UY4l+aX7Q8EkjE5Z2GxwWZiWPTljWtH4/kTi+8Oagn+1bSQyqPzdW/SvJxfDGcUpfwG0tFaz/ACfXc9Cnm+Aq/DVj83b87G34lvp7TSRDYNtv76RbS077XfOXx3CIHkI9ENXtPsYNM023sbRdsFvGsUYPXAGBn3rh7bx1oeoeLJL2/lubW30+PyLZZ7OUKJH5kdmClQQNijJyBv7NXVWfizw9qDhLLXdOnc9EjukLflnNeNiMHicPBQqU5Lq7pr+rL8bnoxnCa913Neqvhi3/ALTvtU8RSDMKxvp+n5/55q376Qf78ihfcQoR1qnr91OunxWmnyFb3UpltLV15KMwJaQeuxFeT/gFdhbW9jpmhpp9jsigtrfyo0zjChcCvpOGMFeUsVJbaL9X+n3m0F1NGigEHpzRX3RoFFFFABRRRQByuj/8jF4q/wCwpH/6RW1bNY2j/wDIxeKv+wpH/wCkVtWzQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAGXpP/JQtZ/7Bdh/6Nu66Wua0n/koWs/9guw/9G3ddLQAUUUjMqKWchVUZJJwAKAGW3/HrF/uD+VSVyb/ABC0CGFYNPnl1m5RQrRaXEbgKw4KtIP3aH2dlrnJfiNrOpak2nRW1r4ZdnKRf2mGlmn5/wCWYG2In/deT3HasKmIpU/iZlOtTh8TPT653UPHnh2wuHtUv/t95GcPa6dG11Ih7bxGDs+r7Rz1ri9V8LnXbVo9b1vVb2Rjnc84WMH0MKgRMv8AssjAjr3zHbnWPD9ukD6db39hEMK2moIZUHvCflPvtbPoteZUzaFrUld+ehwzzCP/AC7X36F+++Jepzan/Z9vp1voBcgRXGtMXaUkZwiRnYx9vNzwflqC+0G51i1lh1vxBq9z5oORBcm1RSeeEi2g/R93vnjE9rqmj+IYZraKSG6GMTWs8eHUf7cbgMPxFZGo29t4WjWXTdbi0uM/csL1/Mgf/ZRSd6egCHA/umvPnjq9V8rbi+39anBUxVeo7Xs/6+Y+wstT8LWotrDT7TUNPU5CWcUdrOvuUGInPuNnQcGtXT9d07VJGt4Zdlyo/eWlwhjlX1yjcke4yD2JrnD8QLo2avH4W1WSVnKeYkEhth/t79m8p/tCM59Kz7u80bxGYx4v1+xskVgyWYjNqUI/6azASE9eUCHjpwc4OjKWs1bzX+X/AAxhySes1939f5G7qdhpPh8faLLV18PO5JWJWBglbv8AuDwSf9jax45qknjPW4rSR28M3V8qMAl7DG8MUgP8ZicGVQP9lZOORnIp+m+GLexuJr/wfqtvK8jbn+1qt3nPbzgRL/307D2q1P4sfRzt8SWBtlHW4s5RcR/98jEg/wC+D9aajF6fE/uf+f4sTlfRLm/P+vmyisJ8cWr2+pa1YmDrJYWEI82I+jvKCwPTkJGw4+taNv4Yn0eER+G9VmtIgS32a7X7TEWJLMxLESZLEknf1J4rO1DxJ4G1v7OGntNXupBm3js1Mtx6cbPmT6kim21t4sFwh0NpLOy/iTXphcNjHBUJlz9GkGPTrWlpJW2XZ/1r9xD52rPRdnt/wfuNj+19XsP+QvozSxjrcaY/nAD1MZAf8FD1mt4h0nXvFmnW1tfwmLT1ku545G8t1mI8uNGRsEHDSNgjghTjoRWfRvFc0jHXDFq8RJIhtdRezjA9PLWPLD1DyMOv0pl9q+haDYRWuu+ERYWu4+VH5drIjMeu1FfcxPsuTTUI9NX5f1cFCPTV+X/B1O7qhrmpHSNCvL9U8ySCJmjj/wCej9FX8WwPxrz261PwvFMItI8PXmmEqGFxJ52kwDPTlQGOPZTxn8bmmaMNZZSfHizwCSOSK0sblLlVkRgyMXmMjPyoIGByB1xkr2KjrLb0/wArk+wUdZben+Vzt9F00aRodnYb/Ma3iVHkPWR8fM59ycn8avVgSWviOyjaRdesJYkGWN7YEED/AH0kUAf8BP8AjjReN9VkmSLT9KtfECMwBuNKuH8vHrudPL/DzCahUpVHeOv9eZn7NyvJO/8AXnY2LI/bvGGq3nWOzjjsI8/38ebIR7HfEv1jNbVc/wCDZ0fRGgl+TUY5pH1CFvvRTyMZGHuuW+U9CuMeldBXdy8vu9jzq7vUY2SRYYnkkO1EUsx9AKwPCaMPC9pNKNsl4GvJAeoaZzKQff58enpU3jCRh4WureJist9sskI6gzMI9w+gYt+FaKIscapGoVVACgdgK9DBx0cjhxUrUku7/L/hx1Yeu/vta0G07G7e4ceqxxPj/wAfZD+FblYUn+kePUHX7DprE+3nSjH/AKTn9a9GO5w09Ly7J/lb82bVRXE6WtrLcTHEcSF2PoAMmpaxfF8jL4Q1JIyVkuITbIR1DSny1I98sK6Dkpx55qPdjPC0D2/hPS0mGJjao8v++w3N/wCPE1rU1EWONUjAVVACgdhTq9hKyseTVn7SpKfd3OZvT5vjlh/z7ach/wC/sj//ABmrdUIT5virXJf+eckNv/3zEsn/ALVq/Xq4VWpL5/mb19JJeS/FJ/qZHinnwzdx/wDPcLB9d7hMf+PVp1meI/ntLOH/AJ639uCPXbIH/wDZK063j8b+X6lvShFeb/T/ACCsnw989rezf89dQuf/AB2Vk/8AZK1qyfC/Phmzk/57K03/AH2xb/2am/4i+f6DjpQk/Nfr/ka1ZM/7zxlZDtFYzsfqzxAf+gt+da1ZMP7zxleHqIbGBR7FnlJ/9BWip0Xn/wAEKGnNLsn+On6mtWT4o+bwzeRdplEB9w7BMf8Aj1a1ZPiL57Szg/57X9sP++ZVc/olFX4GGG/jwfmjWooorQ5zJ8PfPa3k3/PW/uD9dshT/wBkrQuLO2u0K3VtDOp6iSMMD+dZ/hfnwzZyf89lab/vti3/ALNWtWVNJ01fsdOIbjXlbo2XPhto9jZ/E5XsLOC3WPSbgsI4wo3NLCFIA6HCuM+hr2G6ANpLkZ+Q/wAq8z+GMfmeNNdmPSGwtI1Pu0k5Yf8Ajq/nXptz/wAesv8AuH+VfIY631mfKrH65kXN/Z1Jyd21f72wNvEefLUH1AxR5AH3XkX/AIET/OpKK4j2SPZKPuzZ/wB5Qf5YozOO0bfiR/jUlFAEfmOPvQt/wEg0eeg+8HX6oakooA5TRWD+IPFLKcg6pHyP+vK2rarG0f8A5GLxV/2FI/8A0itq2aACiiigAooooAKKKKACiiigAooooAKK5HxrdXun6jpV9Ha6peWVslw7W+nB2MlwFUwLIE+YocSDn5clc1k+BtEuNF8RQReVqH2ltMMuuXFw7tFNeO0bKFJO1mUGUErwAQCc0Ad5f3Etpp1xcW9s93NFEzx28ZAaVgOFBPTJ4rmX8Taro1+tv4jgsSJbCe9U2bNmHyQpZX3dRhuGGOR05ro9Unu7bSrmbTbT7bdpGTDb7wnmPjgbiQAM964rRrLXZLbUG1Pw5JJrF/auk17qcsElux2nbD5cchKxZOMAc5ycmgDT8H+JNR8QMr3N7oMqeQHlt9PuGkmgYgYVxnAxyD7iutrj7Cxv9S8VaVqMmhNokWm2ssMm94iZi4UCNBGx/drgnJxzjA610uo6VYavbrBqlnBeRK+9UnjDhWwRuGehwSMj1NAFLT54rbx5rk1xKkUSaVYFndgqqPNu+pNNn+I2it8uhrda8/Y6ZFvhP/bdisX4b8+1cpcfDfStX8eX4tW+yy2WnWcluJYxcxKzSXIP7uTOPuj7pUjnBGTWjdDXdEJGtaU93CP+X7SkaZSPVoeZEPsu8f7VcWKq16avShf+uxy16laCvTjf+uxTh8fa7r92bJHs/DE3P+izo012w9V3hY/qVEgHrVXVvB0WtrG+parqN5cxMWSS7lE0fOM5gYeVjIB4QEEDBGBjSI0fxNpvP2XUrUtjs4Vh2/2WH4EVzd1qSaHcPbeHNabUJUOG0mUPesh9A6ZeP/gZZQOwrwJ4vEV5WUmn26f16njzxFaq97eX9fqa0d9q2ixrFqenpeWkYCrc6YhBQD+9AeQMf3C30FXYLvR/EunyxxPbahbn5JomAbaf7rqeQfYjNc1N4y15NiX2groKMgLXl8zXMaEjniEYwP8AbeP/AAlXwnpviYrqep6xJq0jRtGk9jKLeNQeCEaL5yvs7uKw9j1np6a/8D8Uc8uWOstPTX/gfiLfy2fhu48nRNcMM45GkuHvFb/djXMqe207Rnoail8aa8kERn8LTaergl7q5kaSKPBIyViVnHY/MEGCeeOblhoGp+G7fyfD8tjPajn7Nc26wMfYSRAD8ShPvVh/FKWCk+IbC60pV+9O6+bAPfzEztHu4WtOSL6c35/195Lmnsub8/6+8zotBs/F3k3+qa6mreQ2Y/7NC28cZ9mUmVT1yPMx7U/T/BknhuVpvDUtoxb7yX9spd/+26AP+Lb6rXureEtc1BhpMDaxqQ48/R22SDjp9oVlA7cb/wAKkt7DxyIplt9Ss7WJlxCNQX7XMhz/AHkEYHHr5h45PPGnvJWvZdn/AF+gNztZuy7P+v0NQ+I57EH+3tIu7NR1uLcfaofzQbwPdkAqD/hMtO1Sb7H4Ze31q5Kgt5c6iGIHoXfn/vlQze1ZQ0HWCQfEGlR+IiO8uqbkb/t3MSRA++Cfem6h4h8NyXsema94WkN2FCpbG0hu3UYwMLEzsFwOpAoVOLeiv6f1f8iVTi3or+n/AA9/yNBPh9o97dG+8RWNlfXjKUCx24ihjU9QEB+Y8feYk+mBxUa/C/wpbMZLCxewfqWgncD67WJX9K5t9Q0SWYxabp7+GFBx52pXlxp3/fMSEZHbkr/KtSy8LJrVmqyeO7nV1V9wiieKS3YY6Mh3lx7MxHtVvnitZtf15aGj9pHVza/ry0IrzSJtV/0Pw9eLrMcZ2NJqllby2cQBOVDrGGc8n5VJAOQStV774d+I1m3aRqemWidksY57Ej6FHfH5Y9q6S8l1jw9ZLLda9oaWiYVftlqbYDsFDiTA9ANv51njxr4haOV7bwt9vhjQt9rgnkjQ/RZYlZh/ub89vSnB1X/Dtb+vQSqVErwat/XexmNofiaw0uSLUtS8RvFs/eS2mq2rlR1J3SRxMPqGB9D65+ia41hcRjQLf7Rc3YPly3Wj4mutuc4uPPAlPBPBPTPSu3sdOi12CDUtWvI9WSQCSGFFxax+hCH7zD+8+SCDgL0rXvbC11K1NvfQJPETna46HsR6H3FbJaWl+H9f5HPLHRT5XG/f+v8Ahjm7XxL4zbd9q8DMqqCQ66nCC3/AcnH51BBZy+ObAXl2ul2kD5R4VslubiNujI7TLtVh3Uxnn1HXXV9U8PgBzNq+mqv3vvXUAHrz+9GP+B/75NRTwLPIfEXhKSK4lk4uYEcBLwLxg/3ZVxgE+m1uOkJRhL4UvPX9SXU5lenZef6O97GTP8OdP06CC50O3S5u7VzL9nv28yG49RtI2RNgfK6KMd8gkV1Gkavb6zZefbb0dGMc0Eo2yQSDqjjsR+RGCMgg1Lp2o2+qWYuLYsBkq8bjDxsOqsOxH/1xwQao6ppM5vl1XRWjh1FFCSLISI7qMfwPjOCOdrYJU+oJB2u5aSOOU5VHy1Xr3Yms6NNPcJqmjyJb6tAu1Xb7lwnXypMdVPY9VPI7g2dH1eLVrdz5b211C2y5tZcb4H9DjqO4I4I5FO0vVIdVt2dEeGaJvLuLeXh4H7qw/UEcEEEEg1V1nTN0i6tYzx2d/bIR5z/6uVOpST1XvnqDyO+TyZG/uT3/AK/Ah14/ate0PTx086S9kHqkSbQP+/ksZ/CtauW8OazB4k8Talfw7R9jt4rMxhw4jk3O0mGHBB+QZH931yB1NerQjy00meZjrxqKD6L89f1CsLSP3/iLXrrss8Vqp9VSJX/9ClYfUGt2sHwp+80WS7PW8u7i4z6q0rbP/HAo/Cuqnucm1KT72X6/obdYXif96ulWf/PzqcPHr5eZ/wD2lW7WDqf7/wAYaRAOkEFxct7H5I1/MSN+RrqgrzSOam7Ny7Jv7k7fia9FFISAMngCvWPGOT0Y+b/aVz/z21G459djmMfpHWlWV4YJfwzYzHrcR/aD9ZCX/wDZq1a9eirUoryOvE/xprs2vuMfWfn1bQ4v+nx5D7hYJB/NgfwrUrLvf3ni7TU7R2lxIfY7olH55b8q1K0p7y9f0RVT4Kfp/wC3Mr385tdNubgHBiiZwcZ6AmoNDgFr4e063AwIrWJAM56IBUHikkeE9UVeGktZIlPoWXaP1NaoAVQB0AwKe9T0X5/8MN6UF5v8kv8AMWsnTP3mv61J/clih/KJX/8Aala1ZOg/OdTm/wCeuoS8+u0Kn/smKJfFFf1sFLSnN+SX4p/oa1ZOsfPqmiRet6zsPZYJD/6FtrWrJvPn8W6XH/ctrmX8jEv/ALOfyoqfD81+YYf436S/9JZrVXv5za6bc3AODFEzg4z0BNWKyfFJI8J6mo4aS2eIH0LDaD+tObtFsijFTqxi+rRPocAtfD2nW4GBFaxIBnPRAKv0gAVQB0AwKWqiuVJEzk5zcn1Os+E8e658S3P/AE+Q2/8A3zAj/wDtWvQrn/j1l/3D/KuJ+EsWPDOoXOOLnVbhgfXZti/9p4/Cu2uf+PWX/cP8q+HxMuavN+bP2zLYezwVGP8Adj+RJRRRXOd4UUUUAFFFFAHK6P8A8jF4q/7Ckf8A6RW1bNY2j/8AIxeKv+wpH/6RW1bNABRRRQAUUUUAFFFFABRRRQAUUUUAcn4x1C5tdU0e1/twaDp9yZjc3oSPJdVXy4w0gKpuyxyRzswOtT+HHtm1GQW/jOTXm8o5tmmtm2DI+fESKeOnJx830qp41gm1LVdK0m007RrmeaK5nE2rWv2hY1jCDai8fMzOvOeAp68VkeAkmi1rTrmez0O2i1bRjd250zTBbufmiLo7bicLvTAHDZJONoyAej0UUUAFFFFAGXpP/JQtZ/7Bdh/6Nu66Wua0n/koWs/9guw/9G3ddLQBzfiPwB4b8U731Ww/fyLtee3kaF3A6BipG8D+6+R7VhjwRrWgWyw+Hruz1GzjGEtLyJbaRR7SRLs/Dyx/vV6BRWVSjTqq01cxqUadVWmrnl0uvDTkB8Q2F5owIz5t1GDAR6+chZAP94qfauakv/DWvXssnhezn1C/U4e70mT7OAf9qbKq4Hp8/wBOefcrb/j1i/3B/KsvUPCHhzVm3anoOm3T5yHmtEZgfUEjIPJrgeWwTvCTRwPLKad4SaPKY9N8etZyout2FuCw8rzYRNOq85BlCqgPT/lm3494o9D1GKRZtZ8PRa7Mp3edLqpnOf7yxSokaH/dA/x9Ik+G3hzraRX1gf8Apz1GeJf++A+0/iKxtV+EUGpSI7eJtZdEXH2W7eOa2f8A34tq7/oxP4Vk8DVT0a/L8jJ4Cqno1+X5f5nE3niPwvqOoS2eq+FZrq9QFpYlsIr11I5+bymcqc9M4rI+3aTdNtsNvhKMnAfUNQuLV1/7YKyoPXlxnGMenp8PgrxLpVssGmX2hTQRjCQCwktQB9VdwPwWs3XpvEug6Ol7f6bpKwtOIJZ0v5ZI7cHI8yQeQMJkAdcDcMkDJGLw1aG0fxMJYatTV1HT1/Q52Hwn/a9jDGvj3VNQ8vLHyriIxuOnzBBlhjjDMQT+VWHF14Ns0hXU/DVnbs2IoGsTamQ+gCSEMf8AdX8OOUufAFnrMom8Rtb3Dbt3lWdolugP+9zJ04zvH09GwaPaeBL6a+sbNDpdz/x8yBd81qf7xc5Z4+OQSdvUccDNU3LRy+Vl/X4HnPEQl7qd/KyX4/8AAEHjPXzazTS+EyLaMDN09w8aEEgEmN4llAGcn5Dx0zTrnwbF4mRbjXprGaKRQypp9nGoIPI/esGc+uVK5/n1qOk0SujLJG65DA5DA9/cVzssEnhOZ7qxjeXRJGL3NqgLNaMeTLGOpQ9WQe7LzkG4RhF+4rM5ViJS0p+6/wCu/UqJ4YsvCN8uraLpwngVNlxGwM1xGv8Afidsuf8Aajzz1HzZDdTaXlvf2cV1ZTJPBKu6OSM5DCnW9xDdW8dxbSpLDKodJEbKsp5BB7isK9tbjw9dS6ppELz2crb72wiGST3liH971X+Lt83Wr82+5g5Oq7TfvElzYz6Jdyaho0JlglbfeWMY++T1kjH9/wBR/F9cEathf22p2MV5YzLNBKMo449iCDyCCCCDyCCDzS2d5b6hZRXdjMk9vMoaORDkMK5/XMeF5ptdsZYY4ZW3X1lLKsaz4H+sjJIAlAH0cDB5AIPi0e4Je0fK/i/rR/1/wOlkkSGJ5ZnWONFLM7HAUDqSewrg7qPWtVuLrxB4Uc6Ym0eUgjUtqoBGXdX+VQVXCNjdg5JCnFaMFzH452zqG/4R+NwY0ZSpvpFPO4HkRqwxtP3mHPAw3S13UMOkrzXyOWpiXhpcsfi6+Xl/n29duIbUtcWGPxBpWnw3zSIPMNkxUXSg8pJC3KOCCAwLFTkEYyK27XxrZ6jbq2ladql5cYHmWwtDE0LYyUd5NqKwzyu7PQjORmK5b/hGtYN6oxpN/KBdAdLaZjgS+yscBvQ4P941NqtrNpd9/bWmQtJuwt/bRLlp0HR1H99f/HhkdduG8PTTszWWIVRJ8q12f6P+l06GZq2n+J7+b+1tO+xaRewxlVjjZpnuU5wjsQEGMkj5XwehwSDa0jS9H1mzi1GdrjVJM8/2k5donB5Ux/cRgeoCjkfSugt7iG7to7i2kWWGVQ8ciHIZSMgg1h6nFLoepSa5ZIXtZQBqVuikkgcCZQOrKOoH3lHcqBXTGnCOyOP6zVqr2d7PpbT5Pr6ef4S6vpcsMkGqaHEi31ouzyRhVuYe8R7D1U9j7E1o6bqNvq2nRXtmxaKUZAIwynoVI7EHII7EVYjkSaJZInV43UMrqchgehB7iuf1BX8Oak+r2/8AyDZ2zqMIxiI8AXCj2xhx3HPUHOhzx/erkfxLb/L/AC+41tXvhpmiX1+2ALW3kmJP+ypP9Kh0KyOm+HdOsWyDbWsURz1yqgf0qp4skS48MmGJldb+aC2BU5DLLKisfcbST9BW1WtMwq6Uku7f4W/zYVgQ/wCkeN9Qk6ra2cEC57MzSO36eX+X579c/oX7691q8PPnagyKf9mNEiwP+BI34k12UFeojkk7UZvyS/FfombNZniO5+x+FtVuRyYbOZwPUhCa06wvGJz4Zli73E0EGPUPMin9Ca9F7HBhkpV4J91+ZHZW/wBk0+3txyIYlj/IYqaiivdSsrENuTuzHH7zxpcf9MNPix/wOST/AON1qVlWHz+JNZk/utDD+Ue7/wBqVq0Uvh+b/M6q/wASXlH8kzJ8S/NpCRf89ru2j/AzoD+mTWtWTrnz3Ojw/wDPTUF/8djkf/2StaiOs2/T+vxCelGC9X+S/QKyfDPzaEkveaeebPrvmdv61pyyrDC8r52opY49BWd4ajaHwrpaP98WkRfHdioJ/XND/iL0f6BH+BL1X5SNSslf3njN/wDphp6/+PyN/wDG61qybD954o1aTrsjt4c/QO+P/In60T3ivP8ARhR0jN+X6pfqa1ZPiX5tJjiHWa8to8eoM6bv/Hcn8K1qydc+e50eH/npqC/+OxyP/wCyUVfga7/qGG/jRfbX7tTWoopk0ohgklboilj+AzWhgld2R6N8LIvL+HGnvjm4kuLgn18yeR//AGauruf+PWX/AHD/ACrD8A2ps/hz4dgbG9NMt95HdjGpY/mTW5c/8esv+4f5V8BJ80mz96px5IKPZElFFFSWFFFFABRRRQByuj/8jF4q/wCwpH/6RW1bNY2j/wDIxeKv+wpH/wCkVtWzQAUUUUAFFFFABRRRQAUUUUAFFFFAHGXeqW2o+Hota1bTo7ibT9aMFsI5GjMbC8+zq+4c9CCR0PTFbGj+ENF0HUJL3S7RoZnRowDM7LEjNvZUUkhFLc4UAVzV58PNduI7m1tvGcltp81616lqNNiby3M/nD5ydxw+D17enFalva+IPDNnqOra74mk123tbKWUWhsYrf5lG7O5BnopGOnze1AHWUU2J/MhR8Y3KDj0p1ABRRRQBl6T/wAlC1n/ALBdh/6Nu66Wua0n/koWs/8AYLsP/Rt3XS0AFFFFAEdt/wAesX+4P5VJUdt/x6xf7g/lUlABRRRQAVAkaTWskUyLJG7OrIwyGBY5BHcVPVeGZAjAHc29+FGT940Aeb6tpMngKbfHuk8MSNhWJy2mE9FY94fQ/wAHQ/Lgi9wy9iCPzrvHDzxtG0SeW4KsJBuyD2IrzfWNHm8Bq9xCHn8Mj5mwCz6b7Y6tD6Y5T/d+7wYjD39+B85mWWc161Fa9V+qMRkk8GzGSBWk8PSNmSJRltPJ/iUd4vUfwdR8uQOmR0ljWSNldGAZWU5BB6EGsI+IL2+XGi6JcSow4n1A/ZYiP90gy/8AkPHvXPNpmqaG0S6hq7waJNKQ8Gmp5S2jMRt+dizCPOeVK4LZwFzjnjh6k9WrHzspQlpJ+999/wDg+u/qad/PD4HvPtUU8SaRdPmaxZwGgcnmSFe4JPzIPqvOQbq+KH1CNW8P6VdX6SAFLmUfZrcg9Duf5mU/3kRhj6irFhoWmabIZbOzjWdvvTtl5W+rtlj+J71mxj/hF9TERLf2Peyfu88i0mY/d9o3J49G46MMdUcLH7Tuc7xUamkVeXn1+S6/PX13yL/T9b0Vp9Ua+Wx024mEmoWWlpkxDB3Sq7g55ILbVQkDI5znpLDQNIt5EvILdLmdgGW7nczyMOoIkYk478HHStUgEEEZB6iuctSfC+pJYOMaPeS7bN+1rK3/ACxPojH7nocr3UV0xhGOyOeWIq4iNr6+Wl1/mvxX4rfA+GdSk1WEE6XctnUIxk+Q3/PdR6dn9sN2OehVgyhlIIIyCD1oZQylWAIIwQR1rntP3+G9Sj0iXcdLuCf7PlPPktyTbk+mOU9sr2GaOf8Aix/vL8V/mvy9Nd6eCK6t5ILmNJYZVKPG65VgeoI7isbQ7iXTLs+H9RlLtGu6xnc83EI/hPq6cA+owfXG7XNeJZf7Tmj0rSCW1W3ljnFwh+Ww5++575UkeX1cEjgZYJx5tB0JXvCW35ef9fnYlbHhbUM526NeynOcBbOZj/6A5P4MfRjjoCAQQRkHqK4u38Q69NcSaPr2iafNcujZiS4ZFuEwMmMOpVxzyNwI7jHNR2Hii+0XGl6jo2p8yCOwmumiG9T91JJd5TcOgIJLDHBbOSMZLRo6KtCU9U1zeq1Xf/P7+5rQf8UvqS2pDDR7yQC3bqtpKx/1Z9EY/d7Bjt6FQN+V444meZlSNRlmc4AHvXP3lhrmu2ctrqUtjYWc6lJIYIzcSFT/ALb4UH/gB5+nOQdEXRLrzvEMM3iGzDAx3t0TPJanOMtETtAAx88ag+o6tWypS6mLdOpvL3uy6/kr/N382UhqNpa6tp9lZXH2zw9bXhuluoI3kjtVEcgEJkUFdvmMhU54AKnAArv7a6t7y3WeznjnhcZWSJwyt9COKIJobi3jmtpElhdQ0bxsCrKehBHBFZtz4dspbhrqzMun3bHJns32Fj6sv3X/AOBA1sqdloc1bEU67XMnFr5/ftr3f4GvXPeEfn8LWlx/z+b7z6+c7S/+z1n+IdW1rQ9NltJPJ1ae7jeK1FuPKuS204Pl8hgM5LDaAO1bmitbNoVl9hkElusCJGwBHAGOh5B4xg8joa6sNH3mzkxUHDDrqpP8k/8APr2Zern/ABUd76Nbf89tRUn2CRySZ/NAPxFdBXOa6fM8V6PD/wA84Lmc+xHloP8A0M/ka9CCvJLzRw4b+Jfsn+TLFFFFe2ZGNonzz6tN183UH59dqpH/AOyY/CtWsnw182jGX/ntdXEv/fUzkfoRWtSpfAmdeJ0rSXbT7tDJ1H954k0eL+558/5IE/8Aala1ZMn7zxnb/wDTHT5f/H5I/wD43WtRDeXr+iCt8MF5fq2ZviOYweF9UlX7yWcpUep2HA/Or1vCLe1ihXpGgQfgMVm+J+dAlj/57Sww/wDfcqp/7NWtQv4j9F+oS/gR9X+SCsnRfnvtZm/56X+B9FijT+amtasnw382mTTf89r25cH1HnOB+gFEtZper/r7wp6Upv0X6/oa1ZOofvPEmjxf3BPP+SBM/wDkT9a1qyX/AHnjOD/php8n/kSRP/jVFTZLzX5hh/ib8n+TRrVm+IpWh8MapIgy62kpUDudhwPzrSqlqsX2i1hth1uru2tx/wBtJ0T/ANmpVpctKUuyZWDh7TE04d5Jfie8WVstlp9vap92CJYx9AMf0p9z/wAesv8AuH+VGyYdJVP+8n+BqK5aYWsuURvkPRsdvpXwZ+6Fmio/NYfehcfTB/rR9oj/AIiV/wB5SKAJKKasiP8AcdW+hzTqACiiigDldH/5GLxV/wBhSP8A9IratmsbR/8AkYvFX/YUj/8ASK2rZoAKKKKACiiigAooooAKKKKACiiigDP1XX9I0IRHWdStbATZ8v7RMqb8YzjPXGR+dc/rvi7w3rHhvU9N03xBpdxeXdpLBBCt5GDJIyFVUZPUkgVZ8VWt6uraPq1tpw1W3sGl82zEiqwLhQsybyFLLhhyRw5xXO6vp+p+JjrN3B4cFutzpbWMdrcTw+Zcyu42yuFZlURfMQSd3zHHagD0WBSlvGrDBVACPwqSobKGS3sLeGeZp5Y4lR5WHMhAwWP160y01Gyv2kWxvLe5MZw4hlV9h98HigCzRVe1v7O9MgsruC4MR2yCKQPsPocdKsUAZek/8lC1n/sF2H/o27rpa5rSf+Shaz/2C7D/ANG3ddLQAUUE4GTwKj89T/qwZD/sjj8+lABbf8esX+4P5VJVa285rWL7sY2Dr8x6VL5Cn/WFpP8AePH5dKAAzpnCZc+iDNGZm6BYx/tcmpAMDA4FFAEfkBv9azSexPH5CktlCwkKABvfgD/aNS1Hb/6s/wC+/wD6EaAJKbJGk0TxTIskbqVZGGQwPUEdxTqKAPLL3TH8HaxHpj5Oj3RxpszEfuW6m2P0HKHuPl6qMzzQxXMDw3EayxSKVdHGQwPUEV32taPZ6/o9xpupRl7edcHacMhByrKezAgEHsQDXmtsbzTdSl0HW2DahbIHjnAwLyHoJQOxzww7N7Fcpnw2eZX7KX1qitHv5Pv/AF1KOmTS6Nfrot6zNbvn+zrhj95QM+Sx7soBwe6j1Uk7FzbQ3lrLbXUaywzIUkRhkMpGCDUOqabDq1g9rcblBIZJE4aJwcq6nswIBBqpo2pSzSTabqZVdStMb8cCdD92VR6HuOxBHoSj5uXvr2kd1v8A5/5+fqQ6TcT6beLoepytKwQtZXL5/fxj+FiesijGf7ww397GpfWNvqVhNZ3sYlgmUo6E4yKzfE0mkiwWPV7+GxkLbrWZnAkSUfdaMHlmHoM55GCDWVpvjG+1Dy7CLSH/ALTEe5zdt9licA43oGBkKnrgIcZAJ6ZaTexp7Oc17aOnfp81/WjNTR76a0vG0PVpmkuo1L21w/W7hH8XpvXIDAezd8Czr40l9Hmh1+eCCzlG0vNIEAPYgnowOCCOQQKyr7w9qetrGdW1prVoX8yEaZCsZifBAO99zHgnONuemMZBqafBYeHLyP8At2zhjunPlxaxIzS+dkcK0shLxnr8pYr6HJxWipPqS5Um+eDvLsv0vb8E/uILDxJqOotHoUc0ltMdyrrFxAYxcoOjQo4G+QjOeNowW+YYFdVp2m2ulWYtrKPYmdzMzFmkY9WZjyzHuTyafeWVtqFq1vewrNE3JVh3HQ+x96xkfVPDzKk5m1XTM4E2C9zbjH8QAzKvHUfNzyG61vGKgc9SosQrU/d8u/z7+X3bmtqOm2mq2v2e+i8xNwZSCVZGByGVhypB7jmsWWd9LgOneKVS+0qX92l9IoKgY6XAPA6ff6Hvg9egt7mG7t0ntZUmhkGUkjYMrD2IrF1LWXu7ifSdDhju7oApcSzLm3tsjo/95v8ApmOfUqDmr5HN2W5jRnKN4y+Fb9Led+n6/cEVrf8Ah/myaXUtLCjFszbp4B/0zY/fXp8rHIwcE8LWtYaha6naLc2MyzRNxkcFT6EHlSO4OCK4ZtCuPCzxyHXNSGkNxK0ciqLNySdwTaVERJAwB8n+7nGleeFdQSSXUtI8Q339p+UVVpVgEc3XAcLEA3Xhjkj36HT2FWLs0aVHhqlpe032dmr+vZ9/v1vc1LzTJdNebUNEnjtmJ3z2077bebnJY/3G5PzDrxkGs618af29H9k8OQhtQCZuGn5htOoyWXiTkHAQ845K0aPpulazZxX90J9RmDEONRfzDDIpwy7PuKwP91R2I4xVrWtOmDQappEYN/ZjCxA7RcRfxRHsM4yD2YDtmuqGDduZvTyOaWLpKbpSV5LS70Sfn3Xm7W9NCzpujw2Ej3Mkj3d/MAJ7ybG9x12jsqjsowB9ck07uKTw/dy6paCSSxkO69tVGdnrMgxnIH3lHUDI5GDqWF9BqdhFeWjbopRkZGCD0II7EEEEdiCKsV6Ps4OHKjx/rFWNVupq9mn+Xlbp2FhmjuIUmgkWWKRQ6OjAqykZBBHUVzd0fN8cXHpb6fCB9XkkJH5Iv51KxbwvctKW/wCJJK3zrj/jycn72f8AnmSef7pOemcV7U+d4k12fqFuI4FPqFhQn/x52H4GsqMX7ZJ/1od9OCUJzi7prR/NXXrrr/kX6bJIsUTyOcKilifYU6s7xFObbwvqk653R2crDHqENerJ8sWzCnDnmod2QeGUaPwppQkGHNpEz/7xUE/qTWpUVtCLa0hgXGIkVBj2GKlq4Llika1Z89SUu7Zk2v7zxfqL9o7S3jH13Ssf5rWtWTpPz6xrcvXF0kQPssMZ/mxrWqafw/N/mXiPjXpH/wBJRk6/86adD2l1CHI9dreZ/NK1qydV/ea3okQ/huJJj9Fhdf5yCtaiPxSf9bf8EKmlOC8m/wAWv0AnAyeBWT4WH/FK6c54M0CzH6v839as6xP9m0O/nPHlW0j/AJKTT9Mg+zaTaQHjyoET8lAo3qfL+vyBaUH5tfgn/mWqybX5/F2pP2jtLaMex3Ssf5r+Va1ZOkfPrGuS9vtaRg+wgjP82NE/ij6/owpfBU9P/bka1Ngi+0eJfD9tjd5mqwNjGc+WTL+nl5/DNOq14di+0fEbw4n/ADxlnuT7gW8ifzlH5CsMdLlw035HfksOfMaK/vJ/dqe0VHc/8esv+4f5VJUdz/x6y/7h/lXxJ+zklFFFADWjR/vorfUU37PH/CCv+6xH8qkooAj8ph92Zx9cH+dG2YdHRvquP61JRQBymi7v+Eg8U78A/wBqR5wf+nK2rarG0f8A5GLxV/2FI/8A0itq2aACiiigAooooAKKKKACiiigAooooA4f4gQW7aroVzqWh3uvWEBnElja2rTgOyqFlZfunb8wAYj75I5FS+D5dBk1eUaP4KvdBn8g7rm40lbVXXcvybh1JODj/Z9qwtavRJcTWnl/EZPJvJ386xgO19zD5VbHMY2/L7E+taXgQg65Nh/Gzf6M3HiFMQfeX7vA+f09t1AHa6lawX2l3VpeMyW88TRysr7CFIwfm7cd68015Fu9H1PXvC1oun6ZpujXNtb3MMexrzcByoHPloEJDHqTkcDJ9L1HT7bVtNuLC/jMltcoY5UDsm5T1GVII/A1lad4L0TS5N9pDdEeWYvLmv55oyhGCNjuVxj2oAzZLGy0nx14aj0aCKCOWxuYZBCoAeFBGVzjrhsYP+0fWum1C7msrbzbewub9twBitjGGA9fnZRj8c+1U9J8MaVolwZ7CGUS+UIVaa4kmMcYOdib2O1c9hgcD0Fa1AHPeG9Re98da1I1hd2rjTbFTFcIobiW6OchiCOeoPY112Jn6lYx7cn/AD+dc9pP/JQtZ/7Bdh/6Nu66WgCMQJnL5c+rnP6dKkoooAjtv+PWL/cH8qkqO2/49Yv9wfyqSgAooooAKjt/9Wf99/8A0I1JUdv/AKs/77/+hGgCSiiigArA8XeGR4k0xPs0q2up2jebY3RBPlv3DAdUYfKw9D6gVv0UEyjGcXGSumeJ/wBv6tNqU+kw6MtrqVqALlb64VFQkfeQLuZ09GwoPrVfUfC+pawomvtfmgu41YQtp8QgVNw5BOS5U8dHHqMHGPWNe8M6f4jYreK8VxFGPs93A2yWAknlW/AZU5U4wQRXDarFf+FZ0i18ebZOdsWqwxkRZyABKOfKbnGc7Tg8rkLWkOTqfB5nlOJwj9rg1ePpdr773Xp9xhaKLDR742t5psOnajN8gugS4venSZvmZv8AZc7uOMgZra1HTLXVLcRXkZbY2+N1Yq8TYxuVhyp5PIp93Z22o2clteQpPbzLtdHGQwNc9d6hJ4OZPtl6LvS3yESaUfaojkYCljmVeTx98cfero2Plk3XnzQbU/z9H+j+/oWW1K+8Plv7bzd6cvK6jEnzxDH/AC2RR06/OvGOoHU7bLBeWpV1jngmTkEBldSPyIIrDj8UNqcAfQdKuL6GQfJczEQQMPXLfOR7hD/LOFeabrekxvfx3os9PaQPd6dpUf8Aq053OjODk87jtVMjPfmto0akldLQTUJS5ZtRn27vtZfC/Wy9DXu2bwbbPcxXKy6UDlrS5mAeIY6Qu7YI4+43rwR0qaHxdDqMe7QtPvdRBOPMEYhjU9wWkK9OhABOe3BxJYaHpMDpeW0C3EzKCt3NIZ5GB5BEjEnH44qnf/8AFPamdViyNPuWAv0HSJuAs/6AN7YP8PPVHB8qvN6eRzfXKdZ8sY3n0b0v5NLr2d9XozN1HRdeZLq/tXgsPNG6507TZHzcgY3YlO0ByowCqKenzenR6K2nvotq2iiNbFowYRGMAA+3rnOc85znmrwIIyOQa5+T/im9YM2Quk6hLiQdBbTseG/3XPB9Gwf4ia7YUoUXeK0OKeIqY2Hs5PVapd/Lza6X13WuhvsquhV1DKwwQRkEVgW7HwrcJaTOToszBbeRzn7Gx6Rsf+eZ/hJ+6eOQRjoKZPBFc28kFxGssUilXRxkMD1BFaVIKa8zkoVvZ3jLWL3X6rzX/A2ZjaojaFqTa1bqTaTlU1GNRnA6LOP93o3qvP8ACBW2rBlDKQQRkEd65KPxBZeFtVOg6jcST2RA8iYq0ptgQSIZSMnoCQx/hPOMAm5o1wmlXkWlrMs2mXS+ZpdwhDLtxkw7hxwOV9VyP4a56U+WXIz0MThZypqdul0/5o/5r8vJavuT/wAI5qxvFGNLvpALkDpbzMcCX2VjgN6HB9TW/TJ4Irm3kguI1likUq6OMhgeoIrm4dYTwvDLpusyySCBN1jIBukuo84EYH8UikhfcEH1x0X5Hrscii8VFcqvNfiu/quvlr0bNbXNTh0zTiZIftUs58qG1GMzsR93njGMkk8AAmuT8Nxvoc/9k3YjAuSZoHj3bd2PmiG4k/KANv8Asj/Zq5bwT3V82qaoP9MkXakW7cttH/cX37s3c+wAD9Rshf2bRbzHICHilXrG45Vh9DXVChK3tHv0/rzPRoxhRg6Dej3fn0t5L8dfI16yPFHPh6aP/ntLDD/33Kif+zVZ0jUTqFo3nKsd1A5iuI16K47j/ZIwR7Ed81W8Q/PHp0H/AD11CHj12Eyf+yZ/Cqm1Km7dSKEHTxMVLo/y1NOiiiug5zJ8PfPBfTf89dQuP/HXMf8A7JWtWT4X58OW0n/PYvNn13uzZ/8AHq1qzpfAjoxP8ea7N/gZNx+88YWC9RFZXDn2JeID9N1a1ZMX7zxldf8ATGwhA/4HJJn/ANAH6VrUU+r8/wDgBX05Y9kvx1/UyfFPPhe/j/57ReSfcOQn/s1a1ZPiP57G1h/5639sPwEyuf0U1rUL+I/RfqEv4EfV/oFZPh754L6b/nrqFx/465j/APZK1qyfC/zeG7aX/nsXnHvvdnz/AOPUP418/wBAjpQk/Nfr/ka1avgWLzvifbEjK2+lXLn2ZpIFX9N9ZVdB8Mo/M8ca1L/zw061Uf8AA5Jif/RY/MVw5nK2Fl52/M9vhqHNmcH2Tf4NfqepVHc/8esv+4f5VJUdz/x6y/7h/lXyB+tklFFFABRRRQAUUUUAcro//IxeKv8AsKR/+kVtWzWNo/8AyMXir/sKR/8ApFbVs0AFFFFABRRRQAUUUUAFFFFABRRRQBxfj1rJr7R7bxHczW3h2YzC8ZJWijeXC+UkrqQQhzIeoBZVzVTwgmh2njGSy8DXbT6OLFnvY4bhp7eOfenlFWJIDsvmZAPRVyOBWp4wlnudW0fQ/wC1ZdItNR88zXMBCyyMgXZCjsCFLbi2cZIjIHWq/h+GTw/4y/4R+31y61a0ksXupI72RZZrV1dFX5wAdrh2+U94yR3oA7OiiigAooooAy9J/wCShaz/ANguw/8ARt3XS1zWk/8AJQtZ/wCwXYf+jbuuloAKKKKAI7b/AI9Yv9wfyqSo7b/j1i/3B/KpKACiiigAqO3/ANWf99//AEI1JUdv/qz/AL7/APoRoAkooooAKKKKAI1/4+pP9xf5tTpI0mieKZFkjdSrIwyGB6gjuKhE6fa5AuXOxeEGe7VJmZvuqsY9WOT+Q/xoA8m8b+Dv+EZ+z3uk3t7Z+Gy7Le2dtIqLal2G2RWxvWPJwVVgFyCMAGq9jomm6bIZbOzjSZvvzsN0r/7znLN+Jr1y4sYL22kt75RcwyqUkikAKMD1BHQj615TcadN4V1z+wbos9rIjSaZcucmSMHmJj/fTI+q4PUNXq5fWipcklr0f6H57xZldRU/reH0j9pLb/Fb8/v7mOD/AMI3rDbmI0rUJcgnpbXDH9Ecn8G/3uOgIBGCMg1DeWcGoWU1pdxiWCZCjo3cGsvRLyeC4k0XU5Gku7ZN8Mz9bmDOA/8AvDo3vg/xCvYXuu3Q/O5fv4c6+Jb+a7/5/J9yGyP/AAjurrpkmF028ctYt2hk6tD9Dyy/ivZRW9JGksbRyKGRwVZSOCD1FV9S0+DVdPls7oExyDqpwyMDkMD2IIBB9RVTRNQnm87T9TI/tGzIWVgu1Z1P3ZVHo3cdmDDtyL3Xy9P60Cp++j7VfEt//kv8/PXrpW0l20W/GhXLMbdgW06Vz95ByYSf7yDp6r/uk1tXFvDd2stvcxrLDKhSRGGQykYIqtq2mpqlgYS5ilUiSCZfvQyD7rj6fqMjvWdaeKLSGyZdfubewvrd/JnidwNz4yCgPLKwwRj1x1BoVo+69i5RlX/e0173VLe/f59fP1Q/RrqWyu20LUZHkmgTda3EhybmEcZJ7uvAb1yD34dr+sSWKpZab5b6lcgmJZASsSD70jY7DPA4ycD1Ixtb1ZtZhi/sOwuftVvJ5ttfTjyEjbp0Yb2UgkEbcEE89DUOhyG6t5b24kaS+mkIut3WN1JHlgdlXkAdwc85JN0oSlLk6d/I7vqq/wB4qL1j592uie9u+lrCtokX9kPaRuwmZvO+1MMuZ8580+rbgD6dunFU10xdd0l3tJ20y9SbM8cQzGlyhB3bOOc4YMMEgjPWt+sq5f8AsnWI9QHy2t0Vhu/RW6RyfmdpPoRn7tddajCyutP6/I6qNaq21F+9uvXt8+nmkLaatr+q+fb3V/Dp8tq/lTLaQAyE4yH3PuUBgQcbTjkZz0jvNBR4/tFtJK+pRHfBdXMzSsremWJwp5BVcDBNTa2h0+dNahUlYl8u7QDloc/e+qE5+hYd60VYOoZSGUjIIPBFKnRhrFrVf1cl1HBKpSSSfZdeqfdet9GVtNvl1GxS4VGjbJWSJvvRuDhlPuCKtVj3OdK1hbteLO9YR3Az9yXgI/442n/gPoa2K6ISb0e6MqsUmpR2f9W+X/B6mbfb9PvE1a3VnCKI7uNed8QydwHdlJJHqCw71LqciXOr6D5TB4zNJcKVOQwELKD9P3n8quEZGDyK5RLuHRvFiQTSFtPs4JCnlxO/2dpWQhDgHAARiPQMBwMZ560eVprZtG9CLrXt8UU/mrNffd6f8BHa1DeT/ZrGefgeVGz8+wzTbO/tNQh82xuYrhOhaNw2D6HHQ+1UvE7snhTVNhw7WsiIfRmUgfqRWkpWg5I4qdNurGnJW1SJdAg+zeG9Ng5Hl2kSnPsgrQpqII41RBhVAAHtTqqK5YpEVJc83LuzJ03954i1mT+40MP5Rh//AGpWtWToXzy6tN/z11B+fXaqR/8AsmPwrWqKfw/f+ZriP4luyS+5JGTrPz6lokXXdfFmHssMpz+e3861qyb35/FWlR/3YLib8vLX/wBqVrUQ+KXr+iCr8FP0/wDbmQ3k/wBmsZ5+B5UbPz7DNVdAg+zeG9Ng5Hl2kSnPsgqLxO7J4V1TYcO1rIin0LKQP1NaaII41RBhVAAHtRvU9F+f/DBtQ9X+S/4I6us+E8e688S3OP8Al6ht8/7sKvj/AMi5/GuTrt/hLFjw7qlz/wA/OrTNn12KkX/tOvLziVqCXn/mfT8JQvjpS7Rf5o7uo7n/AI9Zf9w/yqSo7n/j1l/3D/Kvlj9PJKKKKACiiigAooooA5XR/wDkYvFX/YUj/wDSK2rZrG0f/kYvFX/YUj/9IratmgAooooAKKKKACiiigAooooAKKKKAOY0138YrqX9t6bYT6It08FnDNH5jyNE7RvIwPABZTtAGRj3qr4bt/8AhG/Fl3oP9l6bbW13E95ZXOn24h3ojhTHKueWXzFw3Qg9jkU2bRvF2h3t0PCNzpNxp91cPc/ZtUEitbu53OEZM5UsWbBHGavaDoesDWn13xTeW02oG3NrDb2KsLe3jLBmxuOWZiqkkgdAKAOlooooAKKKKAMvSf8AkoWs/wDYLsP/AEbd10tc1pP/ACULWf8AsF2H/o27rpaACiiigCO2/wCPWL/cH8qkqO2/49Yv9wfyqSgAoopGZUGWIUepNAC1Hb/6s/77/wDoRo84N/qlZ/cDA/M1FAsrRncyoN78KMn7x7n/AAoAsk4GTwKj89T/AKsNJ/ujj8+lAgTOWBc+rnNSUAR/vm/uxj/vo0eQp/1haT/ePH5dKkooAiQAXTgDA2L/ADapajX/AI+pP9xf5tUlABWL4q8OQ+J9EezeT7PcIwltbpVy1vKPuuP1BHcEg9a2qKabTuiZRjOLjJXTPHbC5nlWW21GEW2o2j+TdwA5COO4PdWGGB9CO+RUGt6bJf2yS2TiLULVjLaStnAfH3Wx1VhwR6HPUCus+Jeg3QsX8UaAgbU7CArNB5ZYXcG7JBAIO5PmZcc/eX+LI8yEd7qkKS32tXE8MihlSyP2aNgeQcqd/wD4/jHbrn6XCVHioWtqt/8AM/H82ySWW4vnhK1N6rd+q7P5tXXzNeLxdpP2JJL25S0uSSj2bndMki8MgQZZiD6A5GCODWJrerX2oSwX/h3S5ku7PcY57wiFZkP3oynLENgdQuDg9qqSWcHh6/jvbKCOGymIivFRcbT/AAyn1OThj6EE/drervjh3NOM3t2OBUqGHkqtON0++3mrL9W9PUzYLrUtds47m41h0t5lyIbCPyBjuGYlpAR0+Vl5z+FK802DRZk1fT4MNCCLw5LPNEerMxyzMuMgnJwCO9Tp/wASjWjGflstQfKZPEc+OV+jgZ/3ge7VrkZGDyK3hShy2tqjaVR0pe58D6LS67O3Xpf5iI6yRq8bB0YAqynIIPcGsm8I0jVlvxxaXZWK654jfOEk/Xafqp7GjTW/svUH0iTIhYNNZMT1TPzR/wDASeP9kj0NalxBHdW8kE6B4pVKOpHBBGCK01nHzX5/1+BGlGpZ6xf4r/P8miSo54I7q3kgnQPFKpR1I4IIwRWfpFxKjS6ZeMWubTG2Rv8AltEc7H+vGD7g+orUq4tTjcxnF0p2/ryZS0S5kMc2mXr77mzO3c3/AC1iP3H9+OD/ALSn2qvpwOl30mjyn90q+bZMe8XQp9UPH+6V9DVbxDex6TdWWoRLJLdoxQwQruaaE/fGPbAYE45AH8VOm1TT/EdnCdNuVg1GMie0W4BjYtjtn7ykEglcjBrl5uR26r8V29f+AdqpSlH2nL7kt/Jrr6fo2t0a9zbRXlrLbXKB4pUKOp7g1R0e5kXzdNvZC91Z4G9jzLGfuP8AiAQfdT7Va0++j1GxjuYgybuGjcYaNhwyn3ByKxvEGpWVjdwXUVwjaja5/wBGiO6SWJsbk2jJ7AgngEDkDNbTkklUX/Doyo05zboNa/k/60f39C/reqnTbZEgUSXlwSlvGehPdj/sqOT+XUisaztfslvsLtLIxLyysPmkc9WP+eBgdBUVlI+oSNq1yQ0lyo8pQciGLqEB9e5Pc+wFXK78PT/5eS67en/BO6NNUY+zW/X17ei/4PYrTafbTTCYx7Jx0miYpIPoy4P61V1a81S3sI7UXovIrieNBFcoN5w24gSLjHyq3VWrTrHum+068F6pZxZ/4G/+Cr/4/VVsPTqaW1en+f4dzqoNykubVR1119PTW2xtp4wu1P8ApOikjv8AZrpXP/jwSrUfjTTzgXFtf2/+9as+P+/e6sGq2oXDWum3EycukZKD1bsPxOKdTBRjFy5np6f8Ay+pYeo1FQtfs3+tzoPD/iTQ47GRG1W2jaS7uJQJpBGSGmdhw2OxFdJDPDcRh7eVJUPRkYMP0rz61tktrGG2A3JFGqDPfAxUTaVYO+82cIf++qAN+Y5rGOAqxgldfl/mZ1sBRqVJSjJq78n/AJHaf6zxmf8Aphp/Ht5kn/2v9K1q8t0+KUahfT217ewbXWBSly5yFXPcngM7cfX1rXTUtch/1esPKOwuLeNv/QQp/WsIYavZvlvq9n/nYzxGWttKM1olvdflc6XxL82jCL/ntdW8WPZpkB/QmtavPdQ8Q6xJNYQ3MVjcH7Usg8vfDnYpbnO/AyB61sx+Mpl/4+tFn9zbzpIP/HiprL2dRTk3F9Ftfz6X7mNTL66pRiknu911sutn0OprvvhYVh+HlmzBwZ7i6nzsJHz3EjD9CK8ii8ZaW3+vS8tj3Elq5A/FQR+te3/D23a1+GvhyKQYkGmW7OP9oxgt+pNeFnMvdhH1PquE8NUpVK0qkWtEvz/yN4TxHgSLn0JwaS4ObSXHPyH+VSEBuoB+tV7m3i+yzHy1B2HkDHavnT70s0VH5AH3XkX/AIET/OjZKPuzZ/3lB/ligCSio/347Rt+JH+NHmSD70Lf8BYGgCSio/PUfeV1+qGgTxMcCRc+maAOZ0f/AJGLxV/2FI//AEitq2axtGOfEXirH/QUj/8ASK2rZoAKKKKACiiigAooooAKKKKACiiigAooooAKKR3WNGd2CqoySTwBXPaT4zsdY/teW2imS10tVczyKU85ShbcoIztwOD36jigDoqKwfD+uarrKwz3egtYWk8AmSZrtJDyAQCo5HBreoAy9J/5KFrP/YLsP/Rt3XS1zWk/8lC1n/sF2H/o27ro3lROGYA9h3P4UAOoqPzHb/Vxn6ucf/Xo8t2/1khA9EGP160ANhkRLSHewHyDqfaneaW/1cbN7n5R+tMtIkS1iKqAdg579PWp6AI9krfffaPRB/U0qwxqc7ct/ebk/nT6KACo7f8A1Z/33/8AQjUlR2/+rP8Avv8A+hGgCSiiigAooooAjX/j6k/3F/m1SVGv/H1J/uL/ADam3d5bafavc39zDbW8Yy8szhEUepJ4FAE1FYH/AAlcV3xoGnX2r56TQxeXAfcSybVYe6bvpR9k8Taj/wAfd/a6REesdgnny/8Af2RQv/kP8aANyWaOCJpZ5FjjUZZ3YAAe5NeC6kmn6d4nubXRJ0utGuiZ7G4t1LQqxJMkCyAbSVPzAAnCtjgLXsMXg/RhKs17bNqdwpyJtRc3DA9iA+QuP9kDqfU5Txh4bTxR4cmsQwiukxLaT4yYZl5U/TsR3BI7114TEvDVVNbdfQ8zNMBHH4aVF77p9n/Wh49NFHcQvDMgeORSrKwyCD2rN0eaS3eTSbty01qAYnY5aWE8K3uRjafcZ/iFX7aZ5UdLiPybmCRobiEnJilU4ZffB6HuMEcGqer2srJFfWSF7yzJdEBx5qn70f4jp6EA9q+1bUkqkNf1R+Sxi4Slh6ujv9zX9Wf39C1f2UWoWMttNuCyDhlOGQ9QwPqDgiq+kX0l3bvDdgLe2reVcKO7YyGHswII+uOxqzZ3cN/ZxXVq++KZA6H2P8j7Vn6sG0+5TWIVLLEvl3aKOWh67vqhOfoW9aJNL94v6X/AJppyvRlv09e3z29bFnVbJ72zH2dljuoW823kI4Vx0z7HJB9iak02+XUbFLhUaNslZIm+9G4OGU+4IqwHVkDqwKkZDA8EetcteeIdP0nXGntp/tUFzhbmK2G/y5RgK+R8oyPlOTn7tKclTlzN7/1/X/ALo0514unFXa1X6r/Lz9TY1m3mCxajZKWurMltg/5axnG+P8QMj/aC0l7r1ra6bDdQ/wCkvdAfZYUOGlJGfwA6k9h+VUJdb1W54tLOGyX/AJ6XT+a4/wCAIQPx3/hWLbQnS9W/0lzMLssI5mUDy3JLNGAOFUnJHv1J4q1CfNdKye7f+X4dtjspYXmilV3jsk912utPPe+/kaUEcpke5vXWW7m/1jqMKo7Kvoo/+ueTVO3toILp9Mu4Y5bO4JktlkQFVPVo+fxYe2fStKq1/aC9tTGH8uRSHikAyY3HRhXoTopQSitvx7/f+ep0QnrZuyf4dvu/LQoXmnJplwH+0Xf9m3DgTR/anCpIcAMeclTgKQTjpx1rTt7WC0i8u1hjhTrtjUKP0p1pOmq6a6XUS7uYbiE8gNjkfQg5HsQaqWTyW876ddMWkiG6GRjzLF2P1HQ/ge9Y0Y06crxWj2/yLlKc4uMnqt/Pz/rp8yNP+JZqHlkH7JduSh7RynJK/Ruo98+orSqK5to7u2eCcZRxg4OCPcHsR1zVfTrmRg9peHN1b4DtjHmL2cfX9CDXRH93Ll6Pb/L/ACJl+8jz9Vv/AJ/5lwsFUsxAAGST2rD00mW2a7cENdyGc564P3R+ChR+FXNdkP8AZ32ZCQ944gGOuDy/4hAx/CkACqAoAAGAB2rWmuarft+b/wCB+ZrSXLTv3/Jf1+AtUdS/ePZ23/PW4Un6J8/81H51eqj/AK7Xx6W1v/49I38wE/8AHq1rax5e7S/z/C5tS0lzdv6X4l6kJCqSxAAGST2papawx/suWJThp8QKR1Bchc/hnP4VdSXJBy7EQjzSUe4mjg/2VFKww0+Z2z1+clufzx+FXqRVCqFUYAGAPSlopx5IKPYJy5pOXco/67Xx6W1v/wCPSN/MBP8Ax6r1UdM/eG7uf+e1w2P91PkH4fKT+NXqijrHm7u/+X4WLq6S5e39P8bjTZPqksGlxFg+oTx2asvVfNcIW/AMT+FfWMcaQxJFEoREUKqjoAOgr54+GOnHU/ifpmVLR2Ec16/pwvlqD+MuR/u+xr6Jr4TiKtz4zkX2V+ev+R9hkdLkw3P/ADP/AIAVHc/8esv+4f5VJUdz/wAesv8AuH+VfOHuElFFFABRRRQAUhAYYYAj3paKAOV0VQviHxUFAA/tSPgD/pytq2axtH/5GLxV/wBhSP8A9IratmgAooooAKKKKACiiigAooooAKKKKACiiigArj5LC4fUvGm/TJLyK7t4kjgLmEXQ8gqyLJ2z0yOhNdhRQBwOg2Fj/wAJdp1z4W0a60m1itZV1LzbSS2WQnb5aMHA8xwcncM8Z55rs9RsWv7dYkvbqzKvu8y2ZQx4PHIIxz6dhVuigDn/AA7Yy23jnWYrnUbq+b+zLE+bOI1b/W3fH7tFGOPTvXXpGkf3FC+uB1rnNJ/5KFrP/YLsP/Rt3XS0AFFFFAEdt/x6xf7g/lUlR23/AB6xf7g/lUlABRRRQAVHb/6s/wC+/wD6EakrNu9a03R7cPql9b2geRwglkAZzuPCjqx9hzQBpUVgf8JDfX3Gg6HczqelxfH7JF+TAyH8Ex70f2Vr9/8A8hPXVtI/+eOlW4Qn2aSTeT9VCHpz6gGrf6nY6VbG41O8t7OEHHmXEoRc+mTWV/wk8l7xoOj31/npPKhtofrukwzD3RWq1YeGNH025F1b2Kvd4x9ruGaefHp5shZ8e2cVq0Ac42l+JL9zJe6xDpyMADBp0WWwMnHmyA569Qi/4TWnhbTbS6S7ksBe3sZ3Ld3kzXEqn1VpM7PouB7cCt2igCPzsfeikX/gOf5UfaIu7hf97j+dSUUAIrKw+VgfoaWo3ihPLon1IFRfuj/qfMb/AK5scf4UAea/E7QhpWpR+J7VMWtyUt9SA6I2QsU35nY31Q9FNcq7rGheRgiqMlmOABXtt7pp1Ownsrwq1rcRtFLFIocMrDBB49D7185eIfCB8O+JZtK1kzagYx5tncXjFxNDnAYKflDL91sAc4PAYV9Lk+JlL/Z38r/kfEcQ5TGc/rcdP5rL7n+j+RTXxJY6Vq0sFlvv7W7cvGLUArHMc7k3khcN169Q3rVmXVtYugRFDa2CHqZCZ3P4Dao/Nvp6QXVpHd2j28mVVhgFTgqR0IPYg8iotOupJVkgusC6tztkwMbh/C49iB+eR2r6SGG5Zcs3o9uny7/j+R866dJx54xu1vfX59vXT8zPt9PjiuF07U5ZbyELm0FxIShUYyvljCZXtx0+hrYe3he2a3aJTCylTHjgg9sVFfWn2y32q/lyoweKUDJRh0P9CO4JFFhdm7tyZFCTxtsmjB+446/h3B7giuinThSfIlv/AFb+uhpUnKpFTvtv/n8/zINPmeKZ9OumLTQjdHI3WWPs31HQ++D3q1d2sd5avBNna46g4KnsQexB5qLULV7iNJbYhbqBt8THofVT7EcH8+1SWd0l5apMgK7uGRuqMOqn3Bqoq16Uv6X/AACZO9qsdO/r/wAEi0+5kkV7e6/4+rc7ZDjG8fwuB6HH4EEdquVR1C3kDJfWilriAcoD/rU7p/Ue4HvVq3uIrq3jngcPHIu5WHcVUG0+SW6/Ff1v/wAEVRJrnjs/wf8AW3/AKdwf7N1BdRXiCQCO7GO38Mn/AAHofYn0q7qdk93Cj25CXUDb4Wbpnup9iODVHUtRWHNpBGtxdSL/AKon5VU8bnPYdfc9u+Muyu9W06WOwN5C8e0LA08Bw2B9zIYEEY4znj6Vzz0bSTafbo/6+5+pvGjOcVUTs136r+vvXob1ndJeWqTICueGRuqMOCp9weKh1C3lJju7Nc3MGcL08xD95M++OPQgVk3Ooahp15JeyWEZhkX/AEjyp8qGA4flcjjg8HjHpUxl1G8UNJdpbxsMhbVckj/fbr+AFXGTqxcGndfL0epSw8oSU01b1v6rQDdR6nqscsDboLeDIP8Atv2PoVVf/H6uVkrbtpJaayRpYXbfPESWdj3cE8k+o744rThmjuIVlhcPG4yrDvXXh7xTjP4t3/wPyNKsUknD4R9UdM/eG7uf+e1w2P8AdT5B+Hyk/jVi7nFrZTTnpFGX/IUzT4Da6bbwt95I1DZ7tjk/nVy1qpdtf0X6iWlNvvp/X4FmqN3++1Sxg7IXnb8BtH6vn8Par1Ubf99rV3KekKpAPY43n/0Jfyora8se7X4a/oFPS8uy/wCB+peqG7nFrZTTnpFGX/IVNVHVf3kMFt3uJ0T8Ad7D/vlSKqrJxg2t/wBehNOKlNJ7EunwG1023hb7yRqGz3bHJ/OrNFFXGKjFRXQmUnJts9Q+BenCS817V2GdjRWMZ9CF81/z8yP8q9hrzT4Y+EWX4eabfRatqVhcairXxNtMCmJWLJ8jqy52FB05x711n9k+I7fm08SrP7ahp6SA/wDfox/5x+P5Pja3t8TOp3b+7p+B+j4Wl7GhCn2Rv1Hc/wDHrL/uH+VYhn8W2wy9no16o6lLqW3J98FHH4Z/GoZPEeo+TJHceF9SJKkeZayQzJn67w3/AI7XIdJ0tFYH/CZ6VH/x+JqFke/2rTp41H/Aim39exq3Z+J9B1A4sda0+4I6rFdIxH1AORQBqUUUUAFFFFAHK6P/AMjF4q/7Ckf/AKRW1bNY2j/8jF4q/wCwpH/6RW1bNABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAZek/wDJQtZ/7Bdh/wCjbuulrmtJ/wCShaz/ANguw/8ARt3XS0AFFFZWoeJtI024+zXN6jXXa1gBlmP/AGzQFv070AaNt/x6xf7g/lUlc1HrWt3MMaaZ4fkgQKAbjU5PKX0yI0DufowTPPPTLv7Gur7/AJD3iK5lB629iPsMR/ImXP8A20x7UAaWpa/pWkOseoX0MUz/AHIM7pX/AN1Blm/AVR/tzVr7/kDaBNsPSfUpPsqfXbhpOnqo5wPUjQ0zRtK0lGGk2Ntbb+XaGMBnPqzdWPuav0AYH9iavqHOta7IkZ622lx/ZlI9GkJaQn/aRk+npb0/w1o+lyNLYWEUU7j57jlppP8AekJLN+JNalFAEfk4+7LIv/As/wA6Nkw6Sg/7yf4VJRQBHmcdURvoxH9KPNYfehcfTB/rTnkSP77BfTJ603zWb/VxsfdvlH+NAB9oj/i3L/vKRR58OM+amP8AeFGyVvvybR6IP6mk+yw5y0SsfVhuP5mgBfO3f6tGf3xgfrRtmb7zKg9E5P5n/Cj7PH/CCv8AusR/KjymH3ZXH1wf50AAgjByRuPqxzUlR7Zh0kRvqv8A9ejdMOsan/df/EUASVynxC8Hjxb4f22u2PVLNjNYyt03Y5jb/ZccH0OD1UV0/nEfeikH4Z/lR9oi/ibb/vAr/OqhOUJKUXZomcIzi4yV0z5ghkMifPG0UikpJE4w0bg4ZT7ggiqmoQSI6X1qu6eAHcg/5ax91+vce49Ca9K+K3hyK0vz4o0sq1vMVTU0jAIRuFSbj8Fb22ngA1wdfouBxUcdh+bqt/Jn5vjsJLAYjl6PbzXYZBPHcwJNA4eOQblYdxVC/VrK4GpwglVXbdIB96MfxAeq9fcZHpSA/wBl6jtPFneP8vpFKe30br/vZ9as3epWVkQl1cRo7D5Y85dvoo5P4CutyUoe+7Nfn/X+RyRi4zXIrp/iu39epZVg6hkIZWGQQcgis64/4lt8btQfs1wQtwP7jcBZP6H8D2NZUOrT2Uv2S0tGFtK5+zS3R8sJnkpjlsemcenGBViaG7vY2S/vWMTgh4YEEasD1BPLfkRSUpVo+4tV+D+fR+XQ3jh3Tl7z91/ivl19epsXV9a2Shru4jhDfd3sAW9gO/4VzsuqSWs8o01JIbS6fPn3EZVYHPUqp5wevIAzz3pltDDpF55ckSCOY4iuSPmJ/uO3U+xPXp166roskbJIoZWGCpGQRVqjOstXZrp/wez8l6M1jTp0X/Mn933d16kdvbR2yEJlmY7nkY5Zz6k9zS3Ful1A0Uudrd1OCpHIIPYg81Sjd9LlWCdi9m7BYZScmMnoje3ofwPrWjXZT5JQ5LWto1/XQJ80Zc1/mRWN3IztaXoH2hBkN2mX+8Pf1HY+xFVnhOjvujH/ABL2OWX/AJ9z6j/Y/l9Ok93a/aY1KN5c0Z3RSjqjf1HYjuKdbalFNG0N60UNyvyyxM4wfcZ6qf8A63aueUXBpN69H+j/AK1Wu60f96K06r9f629CUEEAjkHoapNC9hO9xaKWhc7poAO/95ff1Heo9y6VJhZFfTmPysGz9mPof9j0Pb6dJZtThSQxQK91KvDJCAdv1Y4A+hOat1IVI+9pJfffy73/ABKUJJ+7qn/WvYNQlju7O2jhYOl1OiAjuoO5h/3yjCtGufFneNfC8SSK1YZIhCmRckYLHkc444/WrgudUj6paT/QtF/8VSpyqKTnOL/4C8t+/Qc6Ssowa/4P5djUqjo/z6cLjvcu0/4Mcr/47gfhVDUdVulsZIWsHWadTHGYpVf5iOvODx16dqtRaxZwxLG0dzAqAKA9u+AB7gEUvbQdXXSy6prf19PxF7Coqeivd9NdvT+tDTqi/wC+16Ne1tAXP1c4U/kj/nTo9X06Vtsd9blv7vmAH8qZpxE1zfXIOQ83lqR3VAB/6Fuq5TjUcYxd9fy1/OxnGEoKTkrafnp+Vy/UN1DJdQfZLc7ZrpltoiBnDyMEXjvyw4qat7wFpx1b4k6Hbbd0cEr3so9FiUlT/wB/Gj/OssfW9jhalTsn9/QvB0va4iEO7PoW1iFnZw2tiS0UEaxxrs4CgYAzwOgqX/TD1EKj2Jz/ACxVmivyg/RysFwcywu59Swb9P8A61Seeg+8GX6oalooAYs0THCyKT6ZqveaXp+oj/T7G1uh28+FX/mKtMqsPmUH6imfZ4uyBf8Ad4/lQBif8IR4eT/jz0/+zz2OnzSWuP8Av0y0f8IxND/x4eI9atfZpkuB/wCRkc/rRd+KNGtLl7WG/lvLuM4e1sVa5kQ+jBQdn1bAqlNqviu8jY6Tp1pYDHyPq0m9yfeOLgD/AIHn29AC79g8U2//AB765Y3S+l5p5DH/AIFHIoH/AHyaytR8aanok/2fULPS7246/ZtPvpHuT9IfKJ/HOOe1Q2Gja/qUjf8ACZ3nnx7ciOwvniiLenlpGjFcdndx7enQWOm2OlweRptnb2kX9yCIIPyFAGT4We8u5dZ1O+0240z+0L8TRW9yVMgRbeGLJCkgZaNuOtb9FFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUEgAknAHU0VV1DTLHVoFg1O1iu4VcOIpl3KSAQMg8Hr3oA5ePxv4c0vx7qr3OrW7+dp9lFGluTO7ust1uUKmSSNyk8cAgmujTVdf1RA2k6TDYwN0udTmBYjsyxRFtw9mdD7VO9hZyWotpLWBoFGBE0YKgemOlZjeDfDu8vFpFtbSH/lpap5Df8AfSYNAF3/AIRma9517Wb2+B628LfZYPptT5iPZ3atXT9MsNKt/I0yzgtIuuyCMICfU46n3rnh4b8n/jx1rWrX0xfNMB+E28f5+tPFn4kt+bbxGs/tfWCPn/v2Y6AOoo69a5kX3iy3+/a6Pfj1WeW2P5FZP504eJtTh/4/fC99ju1pPDKo/N1b8hQB0Jgibkxrn1xSeQo+6XX6Oa5j/hZPhyO9NleS3lpegZa2mspS4H1VSP1/nV628ZaBfOEtNa00v02PdoHH/AM57jrjrQBs+XIPuzN/wJQaY8rxnDPEx7LyCfw5pyx+aoZpTIrDI2nCkfhT0RUGEUL9BQBB59wfu2px6lh/LrRvJ/1zSr7KhA/MZ/nVmigCGN7ZT8jIG75PJ/PmpgcjjmggHqM1GbeInPlqD6gYoAkoqPyAPuvIv/As/wA6QrIgz54x/tqP6YoAloqt583/ACzRZvdcqPzNHmXLffi8sf7BDH/P4GgCyTgZPAqPz1P+rBk/3Rx+fSogYc5lDk+sik//AFhUyzRNwsin2BoAT98392Mf99GjyFP+sJk/3zx+XSpKKAILmxtLy2kt7u2imhkUo8ciAqynqCPSvmvxroWreCPEH9lRwK9jMS1hfTuxV06+WRyS69OSCQN3rj6brM8Q+H9P8T6LNperQiWCXBB/ijYcq6nswPQiu7A4yeEq862e67o4sZg6eLp8s1qtvU+UZ7Oa+jKajeyyo3WKL90nqOnzdf8AaqCwRNNnNnIkaNKS0cyoF872bH8Q/Xr646TxH4d1Dwjrh0rV/mL5a1uQMLdRjuPRhkbl7fQisi5to7uBopgSp5BBwVPYg9iPWv0eh7GtBYjD6v8ArR9f8vz+KqRqUZOjVVl5fmv61HTwR3MDRTLuRhgiqdvcSWdwtnfMWDcQTn/lp/st/tfz/OnWlxLFN9jvjmXGY5QMCZR/Jh3H4j2szwR3MLRTruRuorp/ie/DSS/qz/rzV1vl8HuS1X9ar+vx2WaGO4heKdA8bjDKRwRVO3lexmW0u3LxscW8zHlv9hv9r0Pf69SC6a0l+yX78gZinc4Eqj1/2h39evrhlzqFjdQvAqvehuNsCFhn/e+6D+IqJVIP307SXR/k/wCvNedxhL4Wrx/rX+vmaMkaSxtHIodGGGVhkEVnxTNpkq2125a3Y4guHPT/AGGPr6Hv9etEX2qW0SR3W2KHOBcuvmMB2DgEAH/a5H0q1/Z0Nwoa8ke9B5HnMCh/4CML+lTzyrO9ONpLvp8mt/w+ZapKmrTd0+2v/AJHvpbt9mnYEX8V0Rlfog/i+vT69Kgm0a0miAkUtKDuE7fNJn1yevTp07YpRDc2OPsxa5twMeU5+dR/ssev0P51YtrqK6QtETleGRhhkPoQelaRhCfu1leT77fL+r9x3cNaW39b/wBWM8W9nAwj1bT7QrnC3IgXYx/2hj5T+nv2q19jms8HTSphySbZuFGf7h7fTp9KtuFKMJMFcc7umKx4p54pMaGnn2uCSsp2xA/7DYz+Ayv0rOdONBqy9LfF/wAFf07lxlKotPx2/wCA/wClY0re8iuWZBuSVPvxOMMv4enuOKdcXCWsDSy5wOAAMliegA7kmsa5u7i5ULqEENm6n5JH3fIfUOOB+YqaK3v98VzLLDqIRcJtbZtPcjqGOOM8fzy44ucvdSu+9tvWO/8An5DdBLVu3l/k9v66lq2gdpftd2o+0MMBc5ES/wB0f1Pf6AVaqn/aKR/8fcM1sfV0yv8A30uR+Zp01/BHbedE6z5IVFjYHex6AV106lGEbKW2/f5kSjOT2/yGX7mQraQqrzSjksoYRr3Yj9B6n6Gkj0exhjVYrcJtGNykqx9yRyTUtnbGBXkmIe4lO6Vh0z2A9h0H/wBerNKNGNR+0qxTb79F/n3/AOAN1HFcsHp+ZV+ytGMw3t3FjuZi4H/feRXtXwN8LX1jDceKNZMrm9hEOnh4gGEBIZnOB0cqhHHRQe4xxfw48DN4419mvomOhWLD7Y3QXEnBEAPccgv7YH8WR9Iz3Frp9oZbmaG1t4xgvIwRFH1PAr4jiDHU3L6rQ2XxW2v2ttp18/Q+hyvCtL29Tfp/mO+0Rd32/wC8Mfzp6urfdYH6GuebxlZz8aLZ32rk9HtYdsR/7ayFUI75BP5kA15B4j1P/WHT9GiPaFPtU5HrvYKiH22uPf1+SPdOolljhiaSZ1jjQZZ3OAo9SawpvGek+Y0OmNNq86kqY9OjMwDD+FpP9Wh/32XofSsm68C6RqcIXWZL/UpFYOstxeyAqw6FQhVV/wCAgCtfS9Mj0mz+ywT3E0Sn5BPJvKDAAUE8447+tAFdr7xNqP8AqLez0aE/xTsbmfH+6uEU/wDAnFRN4Ygu+dbvb3VyfvR3U5ELexhTbGR7FT+pztUUARW1rBZWyW9nBHbwRjCRRIFVR6ADgVLRRQAVz/iHVNY0+SV7GGwgsre2M0l3fykLI2T+7UA5XgZLHjkYB5roK5vxCb6S5e1ufDcevaVLCDHGhi3xzZIO8SsBtIIwy8jnjpQBWi8TatrU0EGgWVtFN/ZsN/cLfs3yGXOyH5eh+Rst2wODW7oOrR69oFlqkMbRLdRCQxsclD3U/Q5H4VyOiaV4g8JPHcNYy63LdaZBbziG4QNFNE0hUFpGXKYkxu5PyZxzXT+FdJl0Lwrp+m3Lq88EIErJ90ueWx7ZJxQBr0UUUAFFFFABRRRQAUUUUAFFFFABUN5HcS2csdnOtvOykRzNHvCH125GfpU1FAHmUDXVp4Q1GwOoXUz3HiVbCW7eTEpjknjRzkYwSpI4xjPGKm12d/B83iSDQS1vANB+2xRBiVgmDOm9QemRtJHqmfWusfwpp8ulajp8jTtFqF0127bwGjkLBgUIHG1lBHXkd6S08K2sa6gdSubnVZtRhFvcTXezLQgMBGAiqoX5mPA5JJNAGTDpkHhnxpolrpRkWK/tbiO6VpGbzWjCMsrZP3uWBPfdz2rsqw9J8LxaZfx3k+o32ozQQG2tjeMh8iMkEhdqrknauWbJO0c1uUAFFFFABRRXn/i6OXUPGEtvDpk2upb6XuNnHceSLWRnbbJkkAswUgY+YbMjrQB6BRXm/hq3g8X3S2+s3cmpQWOi2Yjfe8e6WTzRJKRwQ+YwMnkYPcmuq8D31xqPgjS7m9kaadodryt1kKkruPucZ/GgDYt7S2tTIbW3ihMrmSTy0C72JyWOOpJJOaLi0trtNl3bxTr/AHZEDD9amooAxD4N8PBi0Gk29q5OS9oDbsfxjwaUeHGh/wCPHXdatT2zemfH/f4Pn8a2qQkKpZiAAMkntQBki18Swf8AHt4ihnx0F9p6vn6mNo/8+tOGoeLIPv2OkXoHUpdSW5PuAUcfhn8auW2o2V5bvPZ3lvcQoSGkilVlXHXJB4p1pe2t/D51jcw3MWdu+GQOufTIoAyNQ8enQ4lk1/Q7q1VzhWiubeQMfRVLq7HngBSasQ/EDR5bdJpIdTtUkGVa602eJcepYptA/GtNoo2lSVo1MiAhHK8rnrg9s4FPoAq2firRNSk8u117Tmk6GGO4QyD6gnI/KtZIoiA4/eZGQxO7P0rLu7Czv4/LvrWC5T+7NGHH5Gsw+DfD4Ytb6XDZsTktZE25P1MZWgDrKK5QeHpIP+Qfr2s2vpuu/tH/AKPD08W3ia3/AOPbxBBcD/p/08MfziaP+VAHUUjIrfeUH6iuYfVvE9jE8l1ZaPdRRqWeVbx7bAHJOGRgOPVqoWHxKS/mMUHh7VLrAz9psBHcWx9hKGAJ9uvI4oA7P7PF/Cm3/dOP5Uhi2DImdB7sD/OufHjXTP8Al9a90/1E+nToB/wMpt//AFGrdn4j8OX0gFprWn3Mv90XSMw/DOR0oA0fNk/5Yv5v/AP65AozeHqsSj/ZYk/qMVZBBAIOQehFFAHP+JvDGm+K9Fk07WraZ1J3RTKw3wOOjoR0I+nPIOQSK+dfEOj3vhHV5NM10qrKC8F0RsjuYs43jPQjIDL2PqCCfqqsjxJ4W0bxbpZsNfsY7qLrGzDDwt/eRuqt7ivUy7MquAneOsXujgxuBp4uFpaNbM+S7u+tb2Ex28c9yeqPAuNp9Q7YXI69arG/1JNkeoPFZKQB56Jv3n6nhD9QR6GvTvFvwl1zw2z3OkeZremAZPlp/pMP+8g/1g915/2e9cGjxXMOVKyI3B7/AIGvvMLXo4+PtKVT3uq2+9Xv80z5atQnhXyVIad9/u6fgVX0m1uFP2zfdkj70zlse4HRT9AKQC6sAqruu7cDHbzE/ow/X60G0mswW00rs6/Z5Cdv/AT/AA/qPaj+2LNGMc8hhnGMwOPnOfQD734ZrstSh8XuS79/n1+epj78tveXb/gdPloWoLiG6j3wuHXOD6g+hHUH2NVmsXt2aTTWERPJhYfu3P0/hPuPxBqrOJbuXzrC1e3m/wCfiQ+XuHoV5LD2IFNlTUfMY3bPNDngWjeXx7g8/k1KVRyXvQbts1f/AIf7rr1KjTs9JW8n/VvyLf8Aa1vEdl8fsk3/ADzlI+b/AHT/ABfhz7VXum+3FXtLSZZV+5cufJ2/mNxHsVwabD/ZJzEYo0d+GW4jKs/4ty361O1hHApa2nktAOSFbKD/AIC2QPwxRarVjZtSj5Wv+On5FJQhK6TT89v8/wAytJbXzsDqCrfRAD91E2wZHcqeG/E49hVtdStchJX+zv02TDZ+WeD+FVE1S4EgSKNdQUnG+2BXH4n5f/HqY9/cy5S5h+xIevmQtLn8R8o/M1nGtTp605PXur/+TaL75M0dOUtJL7v8v+Aa0ksccJkldVjAyWY4GKzGthdOW06JrQHrcjKbvoo+99Tx9aittP0qVl+z3hklVtylJgNp9Qi4UflVqcy2S7n1SNRnAFyinPtxtq5zdWPNViuXyaf4u1vlr5kxioO0Hr5p/lrf5/cMl0y9aQsNTmkX+5JlP1jK1X/syK3Jln0qKQjlpY58t9cvg/rXW+HvB/jLxFIotNAaO2bH+m3TNbxgHvtddxHuoavStC+B9vb3Ed34h1ia8njbckFtEscKHtwwYsR1ycc9MV4eLzTLaSvT9+X3/jJP8D0qGDxc3aXur7vwVvxPH7Pw1qV7pUep2VnqNvYy/wCrurm6WCFvo8zBSPTGc9s1cXwb4kDoJruWCKVSVuH0+R4k68tIY41Hb7u8c5r6YsvDmk2Fz9qgs1ku8Y+13DtPPj082Ql8e2a06+aq51jJ/A+Rf3dD14ZfQj8S5vXU5Pw1ompWXhmxsNN1K10vTUiUx/2bCJZZcjcZGmkG1ixOSfLBOScjPGrB4Y0qK4W5uIGv7peVuL+RriRT/slydn0XA9q16yrbxJpl74iuNEtLgTXlrF5s4j5WPnG0n+97V4zberO81aKwbDxhpuo31vBDHdJHds62l1JCVhuSoJIRvoCRkDIBIzW9QAUUUUAcH4z0uyD3nz3N94h1NdmlQxzMr2pCgBkwfkRW+dnPrjngVTuLFtV0/wAXajqVxI2o6Sxgs7iORk+zmK2jk3oAcAl2LH1GAeK6C48ECXX73V7fxDrFnc3m0SCBoMKqjCqu6IkKOuM9STUl94Ltr+W5LalqEUN9GiahBG6BbwKoXLkpkEqAp2FcjigDZ0u5e90ezupV2yTwJIw9Cygn+dW6RVCKFQBVUYAA4ApaACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKxNS8NC91RtRstTvdLupYVgnktDGfORSSoIdGGRubDDBGTW3RQBzTeCLOGO3GkX19pLQ2v2NpLR0LSxZJwxdW5yWIYYbLHnmt3T7C30vTbewsYxFbW0axRIP4VAwKsUUAFFFFABXKfEd5h4SWGCNZRc31rBLG77VkR5kBRm7K2dpPoTXV1Xv7C11Owmsr+FZ7eZdskbdCP8APftQB5nriSWeoXGlapZWEct7Jp32i405HiiltTdhCkiEkAjJG7urY7Yrq7GCKx+J97BYxJDDNpMMs8cahV3iV1VsDuVyM+ij0q/D4R0aG0vLdraS4W+QJcPdXEk8kij7q73YsAM8YPB5HNWdK0Kw0UztYpKZbggyzTzvNI+0YUF3JbAHQZwMn1oA0aKKKACiiigBk08Vum+eVIkLBdzsAMk4A57knFRTX9nb3MVvcXcEU83+qieQKz/QHk15n481u3v7x1vHuIIdK1G0W2h+zy4mkE8fmTEhcEBdyqM85Y85Wr1zb2Wq6R4/vr+NHlRmWOWRcPFElpG8RXPK4LMw9yTQB6NRVPSZZp9FsZbrPnyW8bSZ/vFQT+tXKACq11p1lfKVvbO3uVPUTRK4/Ue1WaKAMT/hDdAQ5tdOSyb+9Yu9sw/GMqR/9YelOHh+aDmw8QazantuuRcD/wAjK/8An8KvalqllpFp9p1K4WCLcEBbJLMeigDkk+g5qovijRX0qTUV1CP7LHL5LsQQyyZA2Fcbt3I+XGeRQAgt/E9t/wAe2v21yPS+08MT+Mbpj8j349M/UPGOu6LcLbXOl2OqXLIHEGnyzebtyQGKCJwqkgjczKMjrW5puqWWr2n2nTrhZ4txQkZBVh1Ug8gj0PNW6AMlfFmopGhvfCup2+4As0bwzhPbCSbiR7D6ZrifF3h7wb4meS8ea88Oau7bnu30uWJJDj/loCoSTtzu3dgw5FemUVpTqTpSU6bs12JnCM48sldHzBfeANWErm21TT/EcAPTStQjUqP9qIsre2MtWJPp1vYzNp99p/2OYnLW11bmJ2PrtYAnr196+sLvTLC//wCP6xtrn/rtCr/zFYd/8OfCOp2ptbrQrb7O3WKHdEv1whAzXvYXP69J/vYqfrv9/wDwDzK2WUp/A3H02+4+ZJLRbWMyQ3klqg6733IPwbp+BFQR6pds22K1F6uCfNgJRT/31x+TGverv4A+Dp5hLaNqVjIowhiuRIE+glV8Viax8FLmwtZLnT/EbSxxjJiuNNaZ2+nlHJPsENevT4gw0n1p+mv/AAF/4CcM8rqpdJeun9feeOSXk9yhS/X7FG3VTbmQ/wDfRG39DRDpWlXCILe5MrIcgrMGwf8Ad+6PwAr0LTPhZ411ORg1tY2cAPyXVzLIodfURFA4PswX612WmfALRSVl8T39xqsoIPlwqLaIH/gOX/HfRiM5wUVzfxX5pr8XovkgpYDEPT4F6/1+LPEpZJrR1jGoxu7HCRSw7nY+gCEH9DXV6D4D8ca793w/9gizgXF/KYB/37K+YP8Avn8a+g9D8KaD4aQroWk2lizLteSKMeZIM5+Zz8zfiTWvXk1uIcVJ/uPcXrzP8b/gkdtPK6KX7z3n935Hhy/Aa+kuFk1i8s9VhwM2qSNaDP8Av7JGP4Y6V6loHgbwz4YYPoei2ttMoIFwV3zYIxjzGy+PbNb9ZviPVv7B8M6jqvl+YbO2eZU/vEDIH4nFeFWr1a8uerJt+Z6VOnCmuWCsjSorl7K81nSvEmnadrV9HfpqdvKwZIBH5M0e0lRjqhDHrkjb1Oa6isTQKKKKACuQaxii+IlxbWMUduJNDbaI1CgM0xyePc5zXX0UAeZ6XfW2oaH4I0OzkVtU06eA3lqD+8tRBCyyGQdVGflGeu4YzmvTKTABJA5PU0tABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAFbUNOtdUtRbX8XmxCSOULuK/Mjh1OQR0ZQfwrP1Hwno+q3zXd7bO8kgUTKk8iRzhTlRIisFkx/tA1s0UAFFFFABRRRQBi+JtS0zSLS2v9Uh+0TRTgWUSqC7zspUBM8ZwW5PAGScCuS+xS2/iDRNW1ee3aXUdaMt1HA4aK3b7JJHAme5GAN3dj9K7rUtH0zWI0j1fTrS/SM7kW6gWUKfUBgcVBD4Z0K3sZ7K30XTorW4wZoI7VFSTHTcoGD+NAGZ4bIfxd4rkgINubuBcr90yiBA/4gbAfcV09V7KwtNNtEtdOtYbW3T7sUEYRV+gHFWKACiiigAooooAym8TaMur/wBmNfxi78wRbOceYRkJuxt3Y525z7Vq15lIy/8ACsb23LD+0jrzx7c/Obg3+5Px27T9Oelem0AFFFFABRRRQAVn69pMeu+H7/SpnKJeW7wlwOV3DGfw61oUUAczYaVrd5r9jqXiIWMX9nW8kUS2krSedJJtDSHcq7RhcBRn7x54rpqKKACiiigAoorG1Lxf4d0e9a01XWrGzuFAJimnVWAPQ4NAGzRWbpHiLR9e87+xdTtb/wAjb5v2eUPsznGcdM4P5VpUAFFFFABRRRQAUUU2SWOJQZXVAWCgscZJOAPqScUAOooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDndP8QSTeNde0q7kgjt7CK1aAn5WJkVy2STz90VWg8YRxeJPEUGpXEEWm6Wtn5Uygk7ptwIJGc/NtA471np4R0/WviR4kuvEGix3cHk2YtZbmDKk7H3hCRg/w5x7Vg6p4Rlsh44tdA0V4baRdNmtooISqzeW5eQR9mbjoO5HrQB6Tf65pumTmG/ulhkFtJdFSpP7qPG9uB2yKyx8QfC7SmMaqu7buT9zJiYZA/dnbiQ5IGEya5TxJPdeJdWnutM0nVDbL4d1C3WSaykj3yuqYQKwBz2HHJzjODWt/ZlyNU+HxFlMI7KCVZz5RxB/ou0BuPl54578UAa7+KbK/tdNutG1K3WGfUVtJPPhkDM2GJiCkAo/APzAcfUVQ8XfEDTND0nVlsryNtTsoW2q0LtEsuMhGcDaG6fKWB5rFuNK1A6uXWwuSn/CaR3W4QtjyvsqgydPu543dM1W1H7Vp/gLxJ4Ym0XUbvUriW8khMFo8iXKyOzrL5gG3IDD5Sd2VAAORQBtap49Oi3ey4mt7nzL2zt/Jihk32yyorOWIBDHByoHr3xXWQazp9yl40NypFi2253AqYjtD8gj+6Qc15rqemalDq+oX39mXssMOr6RdHyrd3Z444lDlABltp4IGcVf8Y2d23iaK001ZFt/GFulpdHBVovKIZ3IPIJgaRfqq5oA9Ds7uG/soLu0fzIJ41kjfBG5SMg4PPSpqbHGkUSxxKERAFVQMAAdBTqACiiigAooooAKKKKACiiigAooooAonRNKbVhqjabaHUAMC7MC+aOMfexnpxV6iigAooooAKKKKACiiigAooooAKKKKACuM+K1vC3wz1yVoYzILcYcqNw+Yd67Os7xBolt4k0C70i+eWO3u02O0JAcDIPBII7elAGF421mTw3Z6fBo8JguNTuxbmW3tDM8aBWZmWNR8zYGAMEcknpXN3njDxJpujawYTf3C28dtJaahqelm1O951jeJhtVW4YEEAHBPpmu/wBc0K11+zjgunmhkgmWe3uLd9skMi9GUkEZwSMEEEE8VkzeBLW9s76PVdT1C/uL7yRLdSuiuqxOHVUVUCKNw5wuTk80AZmfFC+Nf+EdPiZmin083xuvsMQkiKyBCiDG3adwPzBiMYzzmqlh4g8Sauvhmyj1KK2mvjqEd7dJboWb7PKEV0VuAxx0wR8x44rtjotufEy66Xl+1LZtZhMjZsLh84xnOQO/4VyWo+CJY9e8NQ6TcX0FrZNqEz3sTpvheZg4HK4IJLDBU8dfWgChqnjLWtGuLjw/JcvdXy6jFbx6hDZebJ5DwmUt5KDDSDaV4GOhxxUV54w8Sabo+r+T9vuFgS2ktNQ1PSzane86xvEw2qrcMCCADgn0zXWHwJpz6dJDNdXsl5Jdi9bUjIBcCcDarghdowvyhdu3HGKbL4Etb2zvY9V1PUL+4vfJEt1K6B1WJw6oiqgRRuHOFycnmgCjrN1quhWun2V/4rPnXMsjPPDpokupAANqRQojDAJ5Yg449a5O91bVtesLW2utQuVew8U2tvHPNZrDK6ttZWeMjAZSx7AHjIr0jWfDaarqdnqUF/d6df2iPHHcW2wko+NylXVlI+UduDWYfh3pv2O7hGoakJbm9ivzcmZTIk8YADqSuOcZIII54AGAACXTtZvpte8V2c0wePS/IFv8gBG63DtnHX5jmuZ0nxF4k16fS4l1hbGJtAh1S6kjtEkeRzIwZQDwAQB9McYzXU3fguC51O4vItV1K1N7EkV9HBIgW7CLtBYlcqccEoV4qbRfB+n6FdW09pLcSNb6cmmqJWUgxIxYE4UfNknnp7UAcPp3jbxHeafZa1ANWu5LmRHbS49Ef7N5LOAQk4TJYKc7ixBI6c16vXKweArSBYrVNU1L+yYJhPFpZkTyVYNuC527ygPIUtj8OK6qgAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKzE0CzTxHJrbtcTXbR+XGJZmaOBSAG8tDwu7aMkda06KACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigD//2Q==)

Fig 12 Temperature-Humidity-Heater Fig 13 Temperature-Humidity-Cooling Fan

For the Evaluation of rule 580 from *Tab 2,* we have considered different input value sets. Refer the Tab 4 for the inputs and output values for evaluating fuzzy rule 580.

Tab 4 Evaluation of Fuzzy Rule 580 Tab 5 Evaluation of Fuzzy Rule 330

![A picture containing text, green, cabinet

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAkACQAAD/4RD4RXhpZgAATU0AKgAAAAgABAE7AAIAAAAPAAAISodpAAQAAAABAAAIWpydAAEAAAAeAAAQ0uocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEFiaGlqaXRoIFNoYWppAAAABZADAAIAAAAUAAAQqJAEAAIAAAAUAAAQvJKRAAIAAAADOTcAAJKSAAIAAAADOTcAAOocAAcAAAgMAAAInAAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADIwMjE6MDU6MDYgMjI6MjE6NTAAMjAyMTowNTowNiAyMjoyMTo1MAAAAEEAYgBoAGkAagBpAHQAaAAgAFMAaABhAGoAaQAAAP/hCyFodHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLjAvADw/eHBhY2tldCBiZWdpbj0n77u/JyBpZD0nVzVNME1wQ2VoaUh6cmVTek5UY3prYzlkJz8+DQo8eDp4bXBtZXRhIHhtbG5zOng9ImFkb2JlOm5zOm1ldGEvIj48cmRmOlJERiB4bWxuczpyZGY9Imh0dHA6Ly93d3cudzMub3JnLzE5OTkvMDIvMjItcmRmLXN5bnRheC1ucyMiPjxyZGY6RGVzY3JpcHRpb24gcmRmOmFib3V0PSJ1dWlkOmZhZjViZGQ1LWJhM2QtMTFkYS1hZDMxLWQzM2Q3NTE4MmYxYiIgeG1sbnM6ZGM9Imh0dHA6Ly9wdXJsLm9yZy9kYy9lbGVtZW50cy8xLjEvIi8+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczp4bXA9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8iPjx4bXA6Q3JlYXRlRGF0ZT4yMDIxLTA1LTA2VDIyOjIxOjUwLjk2NjwveG1wOkNyZWF0ZURhdGU+PC9yZGY6RGVzY3JpcHRpb24+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iPjxkYzpjcmVhdG9yPjxyZGY6U2VxIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpsaT5BYmhpaml0aCBTaGFqaTwvcmRmOmxpPjwvcmRmOlNlcT4NCgkJCTwvZGM6Y3JlYXRvcj48L3JkZjpEZXNjcmlwdGlvbj48L3JkZjpSREY+PC94OnhtcG1ldGE+DQogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgIDw/eHBhY2tldCBlbmQ9J3cnPz7/2wBDAAcFBQYFBAcGBQYIBwcIChELCgkJChUPEAwRGBUaGRgVGBcbHichGx0lHRcYIi4iJSgpKywrGiAvMy8qMicqKyr/2wBDAQcICAoJChQLCxQqHBgcKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKir/wAARCAGiAakDASIAAhEBAxEB/8QAHwAAAQUBAQEBAQEAAAAAAAAAAAECAwQFBgcICQoL/8QAtRAAAgEDAwIEAwUFBAQAAAF9AQIDAAQRBRIhMUEGE1FhByJxFDKBkaEII0KxwRVS0fAkM2JyggkKFhcYGRolJicoKSo0NTY3ODk6Q0RFRkdISUpTVFVWV1hZWmNkZWZnaGlqc3R1dnd4eXqDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uHi4+Tl5ufo6erx8vP09fb3+Pn6/8QAHwEAAwEBAQEBAQEBAQAAAAAAAAECAwQFBgcICQoL/8QAtREAAgECBAQDBAcFBAQAAQJ3AAECAxEEBSExBhJBUQdhcRMiMoEIFEKRobHBCSMzUvAVYnLRChYkNOEl8RcYGRomJygpKjU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6goOEhYaHiImKkpOUlZaXmJmaoqOkpaanqKmqsrO0tba3uLm6wsPExcbHyMnK0tPU1dbX2Nna4uPk5ebn6Onq8vP09fb3+Pn6/9oADAMBAAIRAxEAPwDvpfid4hTXLWzbwvpnmy200qka1Jt2o0QOT9m65dccevTvc/4WJ4m/6FfSf/B3L/8AItcldf8AI86X/wBg28/9G21bNfLyzPEJLb7vNnA68zU/4WJ4m/6FfSf/AAdy/wDyLR/wsTxN/wBCvpP/AIO5f/kWsuip/tTE919wvrEzU/4WJ4m/6FfSf/B3L/8AItH/AAsTxN/0K+k/+DuX/wCRay6KP7UxPdfcH1iZqf8ACxPE3/Qr6T/4O5f/AJFo/wCFieJv+hX0n/wdy/8AyLWXRR/amJ7r7g+sTNT/AIWJ4m/6FfSf/B3L/wDItH/CxPE3/Qr6T/4O5f8A5FrLoo/tTE919wfWJmp/wsTxN/0K+k/+DuX/AORaP+FieJv+hX0n/wAHcv8A8i1l0Uf2pie6+4PrEyxL8TvEKa5a2beF9M82W2mlUjWpNu1GiByfs3XLrjj16d7n/CxPE3/Qr6T/AODuX/5Frkrr/kedL/7Bt5/6Ntq2aqWZ4hJbfd5sbrzNT/hYnib/AKFfSf8Awdy//ItH/CxPE3/Qr6T/AODuX/5FrLoqf7UxPdfcL6xM1P8AhYnib/oV9J/8Hcv/AMi0f8LE8Tf9CvpP/g7l/wDkWsuij+1MT3X3B9Yman/CxPE3/Qr6T/4O5f8A5Fo/4WJ4m/6FfSf/AAdy/wDyLWXRR/amJ7r7g+sTNT/hYnib/oV9J/8AB3L/APItH/CxPE3/AEK+k/8Ag7l/+Ray6KP7UxPdfcH1iZqf8LE8Tf8AQr6T/wCDuX/5Fo/4WJ4m/wChX0n/AMHcv/yLWXRR/amJ7r7g+sTNT/hYnib/AKFfSf8Awdy//ItH/CxPE3/Qr6T/AODuX/5FrLoo/tTE919wfWJmp/wsTxN/0K+k/wDg7l/+RaP+FieJv+hX0n/wdy//ACLWXRR/amJ7r7g+sTLF98TvENveadFJ4X0zdc3Jij261IRuEUj8/wCjcDCH15x9Rc/4WJ4m/wChX0n/AMHcv/yLXJa3/wAhjw5/2En/APSS4rZqpZniElt93mxuvM1P+FieJv8AoV9J/wDB3L/8i0f8LE8Tf9CvpP8A4O5f/kWsuip/tTE919wvrEzU/wCFieJv+hX0n/wdy/8AyLR/wsTxN/0K+k/+DuX/AORay6KP7UxPdfcH1iZqf8LE8Tf9CvpP/g7l/wDkWj/hYnib/oV9J/8AB3L/APItZdFH9qYnuvuD6xM1P+FieJv+hX0n/wAHcv8A8i0f8LE8Tf8AQr6T/wCDuX/5FrLoo/tTE919wfWJmp/wsTxN/wBCvpP/AIO5f/kWj/hYnib/AKFfSf8Awdy//ItZdFH9qYnuvuD6xMsX3xO8Q295p0UnhfTN1zcmKPbrUhG4RSPz/o3Awh9ecfUXP+FieJv+hX0n/wAHcv8A8i1yWt/8hjw5/wBhJ/8A0kuK2aqWZ4hJbfd5sbrzNT/hYnib/oV9J/8AB3L/APItH/CxPE3/AEK+k/8Ag7l/+Ray6Kn+1MT3X3C+sTNT/hYnib/oV9J/8Hcv/wAi0f8ACxPE3/Qr6T/4O5f/AJFrLoo/tTE919wfWJmp/wALE8Tf9CvpP/g7l/8AkWj/AIWJ4m/6FfSf/B3L/wDItZdFH9qYnuvuD6xM1P8AhYnib/oV9J/8Hcv/AMi0f8LE8Tf9CvpP/g7l/wDkWsuij+1MT3X3B9Yman/CxPE3/Qr6T/4O5f8A5Fo/4WJ4m/6FfSf/AAdy/wDyLWXRR/amJ7r7g+sTLF98TvENveadFJ4X0zdc3Jij261IRuEUj8/6NwMIfXnH1Fz/AIWJ4m/6FfSf/B3L/wDItclrf/IY8Of9hJ//AEkuK2aqWZ4hJbfd5sbrzMa6/wCR50v/ALBt5/6Ntq2axrr/AJHnS/8AsG3n/o22rZrzZ/DH0/VnO9kFFFFZiCiiigAooooAKKKKACiiigDGuv8AkedL/wCwbef+jbasTxTq/i7QlN3bPor2kl1HBCkkMpkAdgoLEOBxnnFbd1/yPOl/9g28/wDRttWb8RP+Rctf+wla/wDo1a66Vuemmr3/AMzWP9fibGlNrENtM/iSbTiVO5Ws0dFVQOd29jU9hrGm6rv/ALL1G0vfL+/9nnWTb9dpOK5r4mmUeF7fa8cdqb+AXjyoWjWLd1dQRld23Iz0qHTdJA8X6bfTa1ozTxQSKlvp9r5TzxkDg/vGyqnBHHFCpxnD2knbfZdl/X5i5Vy3Onk1/R4mjWXVrFGlcxxhrlAXcHBUc8kHgj1qVdU09tSOnrfWxvVG42wmXzAPXbnNecWGhaZdfD3xddXFjDJctc37ec6AuChYrgnpgjPFWNQ0fTtN8NeDruws4YLo6jZFp0X94xk+/lupznnNX9Xp35bu97DcEnb1/A7+51XT7Lzftl/a2/kqrSebMq7FbIBOTwDg4+hqa2ure9tkuLOeO4gkGUlicMrD2I4NcHfNoX/C4phr5tMnS4jbi7xt3b2zjdxux+PXHesn5k8E+OX8MnGm/aybXyPubML55jx/Djd049KSwycVrvb01dh+zu0vT8T0m01vSr+6e2sNTs7mePO+KG4V2X6gHIom1vSrebybjU7OKXzRDse4VW3kAhcE/ewQcdea4i00iG5n0C4XXdAjit50ksxY2XlSSDHManzTwRnIxV3w7pGn3fjzxXd3dlBPcR3UKJJKgYoPKU8Z6c88e1Do01d3ei/VL9SXGNrnVXet6VYXSW19qdnbXEmNkU1wiO2emATk1neJvFtl4Zk0+O6kt995dJCyyXCxmKM5zKQeqjHsOetcd4j1QX1r4mSx0zQLWCB5Le7n1CbZPO4XhlUL1/u5PJxip9VdG8B+B72+KFUu7BpppcYCmMgkk9skZqoYaPuuXV/mrl+zS38/wR38GqWF0YRa31tMbhC8PlzK3mKDglcHkAnkinreWz3E0CXELTW4DTRhwWjB5BYdRnB61yep6hp9r4/8PXRubeOyks7qKOcOoiLZQ7d3TPB4qDQb+11Lxv4xuLCdLiH7PbKJIzlSQkgOD0PIxxWToe45+V//ACaxCh+n4tHW22s6XeXC29pqVpPM8fmrHFOrMyf3gAc496Rdb0p9ROnpqdm16CQbYXCmQEdflzmuO8FaRDa/CmC70eyhTVJbCV451QeY0pBx83XqB+QrD0vSotU8C6cDrug2dvmJxILLbcRTAg/fMufM3cE45/Gtfq9Pnkr6J2/Pt6DUYtXPQtb/AOQx4c/7CT/+klxWzWNrf/IX8Of9hF//AEkuK2a5J7R9P1Zm9kFFFFZiCiisvXdPfUrWOL+1rjTIA+ZXtnEbyDsoc8qM+nPvVRSbsxo1KK4DQdWudJXxW0Wo3GsaTpcYktbm5l80+YELSR+Z/EAcD26VUurLWdN8Ep4tPiDUZdUSFL2W3afNq6nBaPysYA2nGRznmun6t71nLt+Ov/Dl+z1selUUyGUTwRyp92RQw+hGafXLsZhRRRSAxtb/AOQx4c/7CT/+klxWzWNrf/IY8Of9hJ//AEkuK2a0n8MfT9WN7IKKKKzEFFcnJqwtPihPb3uoeRaf2SjrFLNtj3+aRkAnGcDr1pLbVvtnxTa3tL/z7MaOHMcU26MSedjOAcbsY564rf2Mt/K5bi1fyt+Nv8zraK5TS/EOm6d4eu7xrnU7mNNQltwLr97M8u/aI4wvUZ4UenXFSW3i5NU1G70g6NqllcRW5lc3UcaqqkHByHJIJGMgHmk6M9Wlog5He39djp6K818F+N9P0vwPo0VzZ6j9mRFhlv1tT9nicsRgseevGQCM16VTrUZUpNPu/wACXFrcKKKKwEY2t/8AIY8Of9hJ/wD0kuK2axtb/wCQx4c/7CT/APpJcVs1pP4Y+n6sb2RjXX/I86X/ANg28/8ARttWzXMw31xeeOdP+06Xd6fs0272/aWiO/Mtt08t26Y746966anUVlFeX6sb6BRRRWRIUUUUAFFczFd3B+KlxaGeU2w0hJBDvOwP5pG7b0zjjNdNVyhy28xtWdgoooqBBRRRQBjXX/I86X/2Dbz/ANG21adza295GI7uCKdFYOFlQMAwOQcHuD3rC1i6mtPGWlSW9hcXzGwvFMdu0YYDzLbn946jH4556Va/tvUP+hX1b/v7af8Ax+t3FuMWu3dd2XZ2RruiyRskiq6MCGVhkEehFVLDRtM0pnOmadaWRk++beBY931wBmqf9t6h/wBCvq3/AH9tP/j9H9t6h/0K+rf9/bT/AOP1PJJKyf4r/MVnsaCafZR2sttHaQLBOWMsSxALIW+9uGMHPfPWlksLOWGGGW1geK3ZXhRowVjZfulR2I7Y6Vnf23qH/Qr6t/39tP8A4/R/beof9Cvq3/f20/8Aj9HLPv8Aiv8AMLMqy+F0vPGF5qOpQWl3YXFlFbiCZN53q7NkqRjHPrW9b28NpbpBawxwQxjakcahVUegA4FZf9t6h/0K+rf9/bT/AOP0f23qH/Qr6t/39tP/AI/VSU5JJtfev8xu73LVpoek2F011Y6XZW1w+d0sNuiO2euSBmrMVpbwTTSwQRRyTsGldEAaQgYBYjqccc1mf23qH/Qr6t/39tP/AI/R/beof9Cvq3/f20/+P0nGb3f4r/MVmy3PomlXN99tudMs5rrG3z5LdGkxjGNxGenFSyadZS6eLCWzt3swgQWzRKY9o6DbjGBgcVn/ANt6h/0K+rf9/bT/AOP0f23qH/Qr6t/39tP/AI/Ryz7/AIr/ADCzLcui6XPp8dhPptnJZx/ct3gUxp9FIwKlg06ytWc21nbwl0WNzHEq7lXhVOByBk4HbNZ/9t6h/wBCvq3/AH9tP/j9H9t6h/0K+rf9/bT/AOP0cs7Wv+K/zCzNS2toLO2S3tIY4IYxhIokCqo9ABwKqroekrqJ1BdLshek7jci3TzCfXdjNVf7b1D/AKFfVv8Av7af/H6P7b1D/oV9W/7+2n/x+jlmtb/iv8wsw1v/AJDHhz/sJP8A+klxWzXIaxrF8+q6CW8OamhS/ZlVpLXMh+yzjAxMecEnnAwDznAOt/beof8AQr6t/wB/bT/4/VSpu0dtu67sbi7I2aKxv7b1D/oV9W/7+2n/AMfo/tvUP+hX1b/v7af/AB+s/Zy8vvQuVmzWH4nuY4LWJL3w/NrdjIx85IYVnMZGNp8s/eHXkcjHvT/7b1D/AKFfVv8Av7af/H6P7b1D/oV9W/7+2n/x+qjBxlfT71/mNKzucpo+iXGp3WvpYaZcaHoN/YG3itblPKzOcgyLFn5Bg88DPHHXENze6zq3gmLwmnh/UbfU5II7Oe4mgxbRqMB5PMzhhtBwBzXY/wBt6h/0K+rf9/bT/wCP0f23qH/Qr6t/39tP/j9dPtZXu0ulte3z18y+Z3v/AF/WhrQxCCCOJPuxqFH0AxT6xv7b1D/oV9W/7+2n/wAfo/tvUP8AoV9W/wC/tp/8frl9nJ9vvRlymzRWN/beof8AQr6t/wB/bT/4/R/beof9Cvq3/f20/wDj9L2cvL70PlYa3/yGPDn/AGEn/wDSS4rZrkNY1i+fVdBLeHNTQpfsyq0lrmQ/ZZxgYmPOCTzgYB5zgHW/tvUP+hX1b/v7af8Ax+tJU3aO23dd2NxdkbNFY39t6h/0K+rf9/bT/wCP0f23qH/Qr6t/39tP/j9Z+zl5fehcrMe60CDVPifNNqukx3lkNJRUkubYSRiTzTwCwI3YP1xRYaFDpfxQeXTNKjs7FtHCl7e3EcRk87pkADdjHvitj+29Q/6FfVv+/tp/8fo/tvUP+hX1b/v7af8Ax+ujnqWtpa1t1/mU3J3+X4W/yOCvoL2x8ILEbe4hu5PEzywKIh53+sZleNGID9B142kn3rY0K4Y+JLw68dQGt3tkY7dbmzWCMxJklY9juCctk5bPIrR1xJtet4UufDevW8tvIJYLi2ubRJInxjIPnY6EjBBFQabZ3Fjqn9pXOi+JNSvFjMcct7c2TeUpxkKqyqozgZOM8da351Km07Xd+q8v8tTRyur/ANb3M2bTL8/ANdPFjcm9+xov2byW8zPmA424zmvRE4jXPoKyP7b1D/oV9W/7+2n/AMfo/tvUP+hX1b/v7af/AB+uao5VL3tu3uutv8jJ3aS9fxt/kbNFY39t6h/0K+rf9/bT/wCP0f23qH/Qr6t/39tP/j9Y+zl5fehcrDW/+Qx4c/7CT/8ApJcVs1y17qN1d6/4ejuNGvrFRfuwkuHgKk/ZZ+P3cjHP4Y4611NOomlFeX6sJaWMa6/5HnS/+wbef+jbatmsa6/5HnS/+wbef+jbatmlP4Y+n6sT2QUUUVmIKKKKAOZitLgfFS4uzBKLY6QkYm2HYX80nbu6Zxziumooq5T5reQ27u4UUUVAgooooAxrr/kedL/7Bt5/6Ntq2axrr/kedL/7Bt5/6Ntq2a0n8MfT9WN7IKKKyfE2uf8ACO6FLqX2f7T5bxp5e/Znc4XOcHpnPSpjFykordglc1qKyfE+t/8ACOeHbnVPs/2nyCg8rfs3bnVeuD/ez0rVByAaOV8vN0/r/MLO1xaKKKkQUUVTs7m9mu7yO7sPs0MMgW3l84P9oXGS2ByvPGDTSuBcorD8Ua1caLDpr2qRObvUoLR/MBOEdsEjBHPpWglzetrE1vJYbLJIlaO785T5jk8ps6jHr3quR8vN0/yHZ2uXKKztC1q38Q6LBqdkkqQT7tqygBhhivOCR1HrWjSlFxbi90DVnYKKKKkRja3/AMhjw5/2En/9JLitmsbW/wDkMeHP+wk//pJcVs1pP4Y+n6sb2QUUUVmIKKKKACiiigAooooAKKKKAMbW/wDkMeHP+wk//pJcVs1ja3/yGPDn/YSf/wBJLitmtJ/DH0/VjeyCiiisxBRRRQAUUUUAFFFFABRRRQBja3/yGPDn/YSf/wBJLitmsbW/+Qx4c/7CT/8ApJcVs1pP4Y+n6sb2RjXX/I86X/2Dbz/0bbVs1jXX/I86X/2Dbz/0bbVs0T+GPp+rB7IKKKKzEFQXt5Bp9jPeXj+XBbxmSR8E7VAyTgcmp6xPGf8AyI2t/wDXjN/6AaqKvJIqC5pJMu6brFhrGkpqem3Cz2cgLLKFI6HB4IyOh4xUun39tqmnwX1hJ5ttcIHjfaV3Ke+DgiuA0Rj4Wuba3c40vxDZLLExHEV4IhuX/gY5+oNdN4A/5J7on/Xon8q6a1GME5R2urfj+Vgask+50VFFFchIUUUUAY11/wAjzpf/AGDbz/0bbVs1jXX/ACPOl/8AYNvP/RttWzWk/hj6fqxvZBXJfE4MfAN2EbaxmgwSM4PnJ2rraqanpdnrFi1nqMPnW7srMm4rkqQw5BB6gU6UlCpGT6NMcXZ3OA8eaX4kt/Bd7LqXiSC8tlaLfAumiIv+9THzbzjnB6dq6DUXVfidoIY4LWF0F9zmM/yBrf1PTLPWdOksdSh862l2l03Fc4IYcgg9QKr6z4d0rxBDFFq9oJxC2+Ih2RkPsykEfnW8a6aSl/e2S6pLyL5k1Z+f6f5HPaXIknj/AMZ+W6tttrVW2nOCI34+tcenhyzh+EWneIIJLmPV4RC0V4J23xgyhNi84ChWPGK9P0zwzo+jGc6XYpbfaI1jl2M3zhc479fmPPU55zS/8I5pX/CPpon2X/iXRhQsPmNwFYMPmznqAetXHExhL3b2937krP7x+010/rRI5aXQ7Pwx4/8ADp0jzo21H7RFes8zObnbHuDPk8tu5zWdqd9c6dZ/EO5sXaOZZ4VEi9UDRopYe4BJ/CvQ7nS7O81CzvbiHfcWLO1u+4jYWXa3AODkeuajTRNOjkv3FqjHUiDdhyWWX5dvIPGMcYFTHELRz1drf+TX/LQFUV035fmzgPEfhfQtCXw3PpBaGWbV7XOLlm+1DdnewJwx5zntn3rcNpb3/wAUNWtb2FJ4JdHhV45FyrDzH4Iq9a/D/wAMWUkclvpSK8UiSxuZZGZGVty7SWJAzztHHtWyml2ceryaokOLyWFYXl3HlASQMZx1J5xTniE42u29dX528yXPSy7frc848M+EbLUvhGJLG0hh1WSN2S5VAJPNjlYpk/VQK1dL1VfG3iTQrmPH2fTrL7dcKOguJMoq/Vdshrp9N8M6Rot/c3umWQgnucmTbIxU5OThSdq5PoBWd4G0GXRtOvri9tFtLzUr2W6lhVg3lgsdq5BIOBz+JqpV4z5539Pno/w/IqUk035/n/VvmdPRRRXnmJja3/yGPDn/AGEn/wDSS4rZrG1v/kMeHP8AsJP/AOklxWzWk/hj6fqxvZBRRRWYgrN1m21a7t44dGv4tPZn/e3Dw+ayr6Ip4yT3OcelaVYPivUdIsrKKHxD9qis525uIPNVY2GMBnjIZc5+nBzWlNNzVv8AP8Co3b0MnRvEGpadc+JbPXbxdTj0WJZ1u0iWJnDIXKMF+UMMDpVCbUfF1j4Wj8W3OqwyR7FuZtJFooRYWI+VZPvbgpzknrVPQrOPUf8AhJdK8J+c/h66sW8maZW2/anBBCO43OCMZJJx68ikvPFNrq/w7j8M2CTSa/PbR2T6eYXV4nwquWyOFAycnivS9n7/ALsf5b6dLa3XTz7dzflXNtpfX7l93X+kenRussayIcqwDA+oNOqO3i8i1ihBz5aBc+uBipK8p2vocq2CiiikMxtb/wCQx4c/7CT/APpJcVs1ja3/AMhjw5/2En/9JLitmtJ/DH0/VjeyCiiisxHPeKdUvNNutBSym8tbvVI7eYbQd8ZViRyOOg5HNbV5e22n2ct3fTx29vEu55JGwqj61ynxDvLfT/8AhHbu8lWG3h1iJ5JG6KAj5NUvFOvaZ4l0SCfRJxqttpuo21zqEMCFz5IY5yuORxnH+zXZGjzwhppfVmvJe3p+rOj0jxjoOu3n2XTb8SXG3eIpIniZl9VDgbh9M1aTxBpb6Xeait1/oti8iXEhRh5bR/fGMZOPYc9q5G/1rT/F/ivw4PDMjXj2N0bi4ukiYLBFsIKliBgtwMe1R6nB9k8X3nh9VIg1+5t7xQM4wvM4/ERL/wB91X1eLaWqdr2frr07a/IORfqdnJrunR6fZXzXP+j3zxpbOEY+YZPuDAGeffp3rRrzzQYvtPiWz0B+Y/Dk9xMwOf4ji36/7Ejf9816HWFanGDSXXX5dCJR5XYKKKKwJMbW/wDkMeHP+wk//pJcVs1ja3/yGPDn/YSf/wBJLitmtJ/DH0/VjeyOZh1W31Pxzp/2aO7Ty9Nu932mzlgzmW26eYq56ds4/GumrGuv+R50v/sG3n/o22rZp1LWjbt+rG+gUUUVkSFUdZ07+19DvdO83yftcDw+Zt3bNwIzjIz1q9RTTad0NNp3Rgar4Vh1bwdHoU87K0MMaw3Srho5EA2yAZ9R0z7Zq9oGlf2F4estL87z/skKxebs278d8ZOPzrRoq3Um48rel7/MLu1gooorMQUUUUAc5rF/Dp3jLSprhLh1awvFAt7aSds+ZbH7sakgcdcY/OrX/CU6f/z76t/4J7v/AONUXX/I86X/ANg28/8ARttWzW7ceWN107+b8itLIxv+Ep0//n31b/wT3f8A8ao/4SnT/wDn31b/AME93/8AGq2aKi9Ps/v/AOAGhjf8JTp//Pvq3/gnu/8A41R/wlOn/wDPvq3/AIJ7v/41WzRRen2f3/8AADQxv+Ep0/8A599W/wDBPd//ABqj/hKdP/599W/8E93/APGq2aKL0+z+/wD4AaGN/wAJTp//AD76t/4J7v8A+NUf8JTp/wDz76t/4J7v/wCNVs0UXp9n9/8AwA0Mb/hKdP8A+ffVv/BPd/8Axqj/AISnT/8An31b/wAE93/8arZoovT7P7/+AGhjf8JTp/8Az76t/wCCe7/+NUf8JTp//Pvq3/gnu/8A41WzRRen2f3/APADQxv+Ep0//n31b/wT3f8A8ao/4SnT/wDn31b/AME93/8AGq2aKL0+z+//AIAaHIax4ksZNV0Flg1MCO/Zm3aVdKSPss44Bj+Y5I4GTjJ6Amtb/hKdP/599W/8E93/APGqNb/5DHhz/sJP/wCklxWzWknC0dHt3835DdrIxv8AhKdP/wCffVv/AAT3f/xqj/hKdP8A+ffVv/BPd/8Axqtmis70+z+//gC0Mb/hKdP/AOffVv8AwT3f/wAao/4SnT/+ffVv/BPd/wDxqtmii9Ps/v8A+AGhjf8ACU6f/wA++rf+Ce7/APjVH/CU6f8A8++rf+Ce7/8AjVbNFF6fZ/f/AMANDG/4SnT/APn31b/wT3f/AMao/wCEp0//AJ99W/8ABPd//Gq2aKL0+z+//gBoY3/CU6f/AM++rf8Agnu//jVH/CU6f/z76t/4J7v/AONVs0UXp9n9/wDwA0OVv9Yj1LWNEXTrHU7iW3u3nMP9nzRu6/Z5Uwiuq7jlwTjoAc9s7f23Uf8AoVvEH/gvaj/mdNG/6977/wBJ2q/XXL2MacHKLd79fP0J3KH23Uf+hW8Qf+C9qPtuo/8AQreIP/Be1X6Kz9ph/wCR/wDgX/AFYofbdR/6FbxB/wCC9qPtuo/9Ct4g/wDBe1X6KPaYf+R/+Bf8ALFD7bqP/QreIP8AwXtR9t1H/oVvEH/gvar9FHtMP/I//Av+AFih9t1H/oVvEH/gvaj7bqP/AEK3iD/wXtV+ij2mH/kf/gX/AAAsUPtuo/8AQreIP/Be1H23Uf8AoVvEH/gvar9FHtMP/I//AAL/AIAWOd1a5u21PQpbrRtUsYotQyZLy1MasWhljABPU5cHHoD6V0VUNf8A+QLZ/wDYatP/AEGar9GIUOSEoK10/Pqw1vYxrr/kedL/AOwbef8Ao22rZrGuv+R50v8A7Bt5/wCjbatmsJ/DH0/VlPZBRRRWYgooooA4keONYkTUbq18L/adP0+5lglmjv18wiM/MwjKjPHOM11unX8Gq6ZbX9mxaC5iWWMkYOCM8+9eeaBbeJ7+01+z0aXTbWyn1a7je5m3tNHlsMVQDaeOmTXf6PpkWi6LZ6bbszRWsKxKzdWwMZP1rsxEKcVZb6d+3U1qKKdl3ZdooorjMgooooAxrr/kedL/AOwbef8Ao22qHVvF1rpmpNp8NhqOp3UcYlmjsLfzPJU9CxJA5wcAZPHSprr/AJHnS/8AsG3n/o22rO1fw/rFtr02v+FbuBbq4jSO6srxSYrgJnaQw5RgCR6eveumCg+Xn7fqzSKT3/rU6HT76HU9PhvLXf5Uq5XehRh2IIPIIPFWa8/m8T3fim28PWVnJPo51WeeO8eJgZIvJB3Ij+pPRhzirlkt34b8fWWjpqd7qFhqVrLJsvZfOeGRMfMHPO0g4we9OWHauno9XbyV+vyYnCy1/rWxpal4s+weH31T+zLpNl2tr5N0PJZsyBN46/LzkevtXQs21Sx6AZry6+u7i8+HV+93PLOyeIPLVpXLFVF0oCjPYDtXp83+ok/3T/KlWpqEFbe7/Jf5jlFKVv63MPwr4w07xfazzaalxEYHCvHcoFYAjIbgkYPPftS634w07QdY0/TLpLiW5v5FRBAgYR7mCqzkkYBP16GuH8IMNCs/CmsfdtdSgfTbsk8K/mM0LfnuXPvS3wOppaeJZef7S8RWkdrn+G2jcqn03Hc3411PDU1Wt9nb53tb9fQrkV326f18meq1W1C8/s/T57v7PcXXkoW8m2TfI/sq9zXK3EV14n8bappsuqX2n2OlRQ7YrGYwvM8ilizOOcADGOmazf7U1O18KeM9Ol1C4uJdGDrbXzNiXa0e5QWGMsv97rXNGhfrro7eTt/mhKnql6fiehQyedBHLsePeobY4wy5HQjsar3+qWemfZvt03lfap1t4flLbpGzheBx0PJ4rj9ZGpvHpN3cNq02jiwU3H9lTlZxMQPnbaQ7LjPQnnkiqniq3sdW0jwjdWWpXtzby6lbwxzi5dWdSG+c4x8/H3sBhzVRw6cld6N9PmTGKau+36Ho1Fcq/mad460PTYbu6a2NjclkmuGcyMGTBYsfmIycE9KbYXly/jfxXA9xM0NvbWrQxlyVjJRySo6DOB0rL2Xu8yfS/wCNgUG/w/G3+Z1lFefeEI7218Cx+Kb/AFjUtSu10+SX7PNOTEQoJA2d2+X7x5OTWbZt4mu9Js9V0+HxBNqc3l3Hmy3kP2OUNglfK8zATaTjADDitfqvvOPMtHb5j5NL3O61v/kMeHP+wk//AKSXFbNY2t/8hfw5/wBhF/8A0kuK2a557R9P1ZD2QUUUVmIKKKrajf2+l6bcX17II7e3jMkjHsAP5+1NJvRDSbdkWaK5Dwx4tv7+21yfxDaw2Q0xg/lxBtyRmPzMNk8sAecY5zVFvFnii20OLxNeafpy6K+2V7VWk+1RwsQA+77pIBBxjpXR9Wnzcvp+OxXIzvaKRWDKGU5BGQfWlrmICiiigCh/zOmjf9e99/6TtV+qH/M6aN/1733/AKTtV+uur/Bp/P8AMS2fr+iCiiqupajb6TpdzqF6+y3tozJIe+B6e9cqTbsikm3ZFqiuQtr/AMcatapf2Nno+n28yh4ba+MrzFT03lcBSR2wcV0kd20GlLdawYLN0j3Tnzf3cZ7/ADHHHucVpOm4aNq43Et0VVsNTsNUiaXTL62vI1OGe3mWQA+mQTUVzrmk2d6tnd6nZwXTY2wS3CK5z0wpOajlle1tSbMv0VDc3VvZW73F5PFbwoMvJK4VVHuTwK52DxA198QLezsL6G50uXSnuB5JR1aQShdwcc9CRjOKqFOU72Gk2rnUUUUVmIoa/wD8gWz/AOw1af8AoM1X6oa//wAgWz/7DVp/6DNV+uut/Bp+j/Ni6mNdf8jzpf8A2Dbz/wBG21bNczDrGmat450/+ytRtL3ytNu/M+zTrJszLbYztJxnB/KumrGomlFPt+rLelgooorIkKKKKAKmn6XZ6Wk6WEPlLcTvcSDcW3SMcseScZ9OlW6KKbbbuwCiiikAUUUUAY11/wAjzpf/AGDbz/0bbVW1LwfBf6hPeQatq+nPc489LK72JIcAZIIODgAZXFJrGpWOl+MtKn1O9t7OJrC8QSXEqxqW8y2OMkjnAPHtVr/hMfDP/QxaT/4HRf8AxVdK9olGUE9v1ZouZJWIbjwXo82h2mlwRy2cdi/mWs1tKVlgfnLK/JycnOc5zT9G8KWekahLqDXV5qN/JH5X2q+m8x1TOdq4AAGeeBT/APhMfDP/AEMWk/8AgdF/8VR/wmPhn/oYtJ/8Dov/AIqi9ezWuovftYrt4M09tEn0szXXkTXpvWbeu4P5gkwDtxtyPTOO9dAy7lKnoRisf/hMfDP/AEMWk/8AgdF/8VR/wmPhn/oYtJ/8Dov/AIqplGrLRpg1Ju5Wk8FaXN4JHheVp3sVXashZfNHzbgQcYzn2q3d+GrG703TbAmWKDTZoZoBGQOYvug5B49elN/4THwz/wBDFpP/AIHRf/FUf8Jj4Z/6GLSf/A6L/wCKqr17313v8+4e+Rat4StNU1MalDe3+mXvliKSewmEZlQdAwIIOM9cZoh8H6Zb+GbzRITOIb5X+0ztJumlZxhnLEHLfhUv/CY+Gf8AoYtJ/wDA6L/4qj/hMfDP/QxaT/4HRf8AxVH7+3LrYd5jLvwz9o8kW+tarYrFbrblLWdQrqOhIZThvdcGku/COmXXhq30RPPtbe1ZHt5IJMSROpyGDHPOc8nPWpP+Ex8M/wDQxaT/AOB0X/xVH/CY+Gf+hi0n/wADov8A4qj9/poxe8V77wdbX9rYLJqWpJeWG7ytQjnAuCG+8C23BB9Mdqk0fwlYaJc389tNdyy6giJcPcS+YzFQ3zZIzk7jnt0wBUn/AAmPhn/oYtJ/8Dov/iqP+Ex8M/8AQxaT/wCB0X/xVDddx5dbf0x+/axZ0fR7bRdCt9Jty8ttbx+WvnEFmHvgAHr6VlWngq2sQkNrqurR2Eb7ksFusRLznaDjft9t2Kuf8Jj4Z/6GLSf/AAOi/wDiqP8AhMfDP/QxaT/4HRf/ABVJe3Tbs9Re8lYNb/5DHhz/ALCT/wDpJcVs1yGseK/D0uq6C8evaY6xX7PIy3kZCL9lnXJ54GWAz6keta3/AAmPhn/oYtJ/8Dov/iqJU52jo9v1YOLstDZorG/4THwz/wBDFpP/AIHRf/FUf8Jj4Z/6GLSf/A6L/wCKrP2VT+Vi5X2NmuT8ZQ6zdX2lxWOjvqemxSG4uokuI4zI6/6tTvIyufmI5yQK0/8AhMfDP/QxaT/4HRf/ABVH/CY+Gf8AoYtJ/wDA6L/4qrpxqQlzct/vHG6exw2nSavq9z45sm0SS3e8QhybiN/Jk+zgKhAPzE8cjgZqzqviTTL34PRWtndRT3t5ZRWcVpHIDKZSFXbt65B/lXVReJvCME00sGt6JHJOwaV0u4g0hAwCxB5OOOarxat4Eg1Br+HUPDsd42d1yk0AkOevzZzXV7RtpuD0ttforGnM73ts7/19x0NrEYLOGJjkxxqpP0GKmrG/4THwz/0MWk/+B0X/AMVR/wAJj4Z/6GLSf/A6L/4quN06jd+V/cYqLS2Nmisb/hMfDP8A0MWk/wDgdF/8VR/wmPhn/oYtJ/8AA6L/AOKpeyqfysfK+xa/5nTRv+ve+/8ASdqv1g2uv6NfeMdKez1jT5o44btZJEu4ysZeBgu5s4XJ4Ga3POs/+grpX/gyg/8Ai666lGrKjT5Yt79PMldfX9EOrnfHul3Ws+BdUsbAFriSIMiL1cqwbaPrjH410HnWf/QV0r/wZQf/ABdHnWf/AEFdK/8ABlB/8XWUKNeElJQd1rsyotxkpLocNqeuaD4k8MDUYfEc+nS29u58mDUDbOsmPuSLkEkEYH6daypLlbvRPAMviabzdNly13JdNlHl8rMRkJ68569a7240Twzd3ZurpfDc9wTkzSXNqz/99Fs1cuI9Lu7Vra6vtFmgcYaKS/t2Vh6EF8V1JVIq0act+22j2087/ItSSSS8/wATibf+zT8WbT/hGPs20afINS+yY2YyPL3beN2fxx7Vl6E3hc+BNSbxObE6mZLn+0ftO3z/ADd7AdfmBxjbj8Oa9GsbLRNLhMWmXGg2cbHJS3vbaME+uAwqKfSfDt1fLe3TeHZrpcYnkurVpBjp8xbNFqtuXklbTW2ul/8AP8ENVNb+n4HngJGieAE8WbfsBL/aBdD5PM8s+Rvzx09e9aWkf2GfjJIfD32Xb/ZDi4NoBs8wSp6cZxjOPxrubqLSr62e3vb3RbmB/vRTX9u6t9QXwajtrHQ7Jo2s59Bt2ijMUZivLZSiE5KjDcDIBxTbqtN+zlrfo7a/1+RPN7tvK343LlFN86z/AOgrpX/gyg/+Lo86z/6Culf+DKD/AOLrh+r1/wCR/czMpa//AMgWz/7DVp/6DNV+sLxT4m0zT71dIm024u1t5bW9FxBqCKsj+VuGP3TDb+9PQnOAc1u10YqlKlTpxl5/n/wRXV2kY11/yPOl/wDYNvP/AEbbVs1jXX/I86X/ANg28/8ARttWzXJP4Y+n6sp7IKKKKzEFY/iyaW28G6xNbyPFLHZSskkbFWUhDggjoa2Koa5p7at4fv8AT0cI11bSQqx6KWUgE/nVRaUk2XBpTTZXsppX8FW87SO0x09XMhY7i3l5zn1z3qDwRcTXfgbR57qaSeaS1RnkkYszHHUk8msC28Q6tB4ZTRG8L6qdWjthaDEI+zFgm0P52du3v69veuq8O6W2ieGtP02RxI9rbpG7DoWA5x7Zrpqx5Yyv1enpr/wBW5YpPc06KKK5CQooooAxrr/kedL/AOwbef8Ao22rZrGuv+R50v8A7Bt5/wCjbatmtJ/DH0/VjeyCiiisxBRVSfVLO21O10+abbdXau0Me0neEALc4wMZHWkvdVstOuLSC8m8uS9l8mBdjHe+M44HHA71XLJ203HZlyiis641q3ttfs9IdJTcXkUksbADYAmM5Oc55HahJydkI0aKKoza1psGjSas15E9hGhdriI+Yu0cEjbnP4Ukm9hpN7F6imQzJcQRzQtujkUOpxjIIyKfRsIKKKKQBRRRQBja3/yGPDn/AGEn/wDSS4rZrG1v/kMeHP8AsJP/AOklxWzWk/hj6fqxvZBRRRWYgooooAKKKKACiiigAooooAwvEEMU+q+H0mjSRXv3RldQQy/ZZ2wfbKqceqj0rQ/sbTP+gbaf9+F/wqnrf/IY8Of9hJ//AEkuK2a2lOSjFJ9P1YNLQpf2Npn/AEDbT/vwv+FH9jaZ/wBA20/78L/hV2ip9pPuxWRS/sbTP+gbaf8Afhf8KP7G0z/oG2n/AH4X/CrtFHtJ92FkUv7G0z/oG2n/AH4X/Cj+xtM/6Btp/wB+F/wq7RR7SfdhZFL+xtM/6Btp/wB+F/wo/sbTP+gbaf8Afhf8Ku0Ue0n3YWRS/sbTP+gbaf8Afhf8KP7G0z/oG2n/AH4X/CrtFHtJ92Fkc14i0qyuNb0V5YBm6uhbS7SVDRpaS7FAHAx5SdMdPc10tY2t/wDIY8Of9hJ//SS4rZq6s5TUeZ30/VlWS1RjXX/I86X/ANg28/8ARttWzWNdf8jzpf8A2Dbz/wBG21bNRP4Y+n6sHsgooorMQUUVHPMlvbyTzEiONS7EKTgAZPA5NAElFcqfiV4VEgjN/OHYZC/YLjJH02V0VjewajYxXdozPBMu5GZGQkfRgCPxFaSpVIK8otfIbi1uixRRRWYgooooAxrr/kedL/7Bt5/6Ntq2axrr/kedL/7Bt5/6Ntq2a0n8MfT9WN7IKKKKzEcnrf8AyU3wv/1wvP8A0Bat+JtUvNP1Pw/FZzeWl5qIhnG0Hemxjjkccgcik8Q+HL7VdY07U9L1VNOubBZVUvaiYMHAB4LDHT9aY3hnUrxtMk1jWku5tPvvtaulmIg67CuzAY45JOf0rsi6bUHJ7J6a935W6mmlvl+hz2u+IdVe38SXUHiOLRm0eVooLTyInMoCBgzbwSS5OBjA+vNGoxaxceLPCaW2oCK+l0+4aW6uYFZkBCE4Rdq7hnHp9axAdMi1XWLrUdai0jU47+WWC0udOinlTJ+VlLpvbdjICHAyBXc6Ppt/q82geItY/wBEvrezkSa08ojJkxzycqfl6YPXHauqXLSinZbdu8fTXXzZrO0fx/Qh0K61mfUNe8P6jqpmuLERPDqMduiPtkUkApgrkbcdK57ws+paR8G59VttVmJjsp3t4Ghi2wuHb5gduTyOjEjmu5sdD+xeJtV1f7Rv/tFIU8rZjy/LBHXPOc+gxWLbeB7u28P6noQ1svpl1FLFbQtaLutt7E5LBsvjJ44rBVadmtNeV7dlr07slSjfyuvy1/Eh1LVNeuNa8O6dpWoxWn9o2EktxLJAsmCFQ7lH97k4Gcc8g4xU+iavq9reeItL1S4Gqz6TGk8M4hETSq6MwUqvGQVxxWmvhvbrej6h9q/5Blo9t5fl/wCs3BRuznj7vTnrVDWdEksovFWrQ+ZevqVisYtIl2uNkbLw3OSd3p271LnTlHkVtu3Xm7+nyJhZ2i/L9L/qc9HrWt3X/CNXMPi1ZH1mZRNZW1tAfKUqWbaSpYBMYO7J+lemV5Bo91b6XHpsvhfWrXVNXmMUUtlHpcSO65AcMyIroFGSWYnpXr9VjIqLSS79LfovvFUWqCiiiuAzMbW/+Qx4c/7CT/8ApJcVs1ja3/yGPDn/AGEn/wDSS4rZrSfwx9P1Y3sgooorMQUUUUAc/e+Irttam0vQdK/tGe1VTdSy3AgihLDKru2sWYjnAHAI5rZspbieyikvLb7LOw+eHzA+w+m4da4PQ9FTVNe8Vrd6tqNrJFqTN5VpdmAKrRrtclcE8DHOR8vTrW/4B1O71fwdbXV/KZ5N8kazsBmZVcqrceoArrq04xh7vS19+qv6f16mk4pbdNDpKKKK5DMKKKKAMbW/+Qx4c/7CT/8ApJcVs1ja3/yGPDn/AGEn/wDSS4rZrSfwx9P1Y3sgqK6uYbK0lurqQRQwoZJHboqgZJqWuZ+I1rc3nw81eGyUtKYQ21RklVYMw/75BpU4qU1F6XZUIqUkmV4PFuu6nbi90PwlLc2EgDQy3N6lu8y/3lQg8HqMkZrp7Od7qyimlt5LaR1BaGXG5D6HBI/Kue1Ga51bwxDqvhfXjY28ds0o8mCKUSYXIU7gdpGCMD19q5+W/uPEeleCbPWbl/s2sK73xRvL+0MseVQ7cYDHqBjOK6nSU9klZ+d+r16dOg0uZJ7b/gekUVwlnp9p4Z+Jljpvh4GC0vbGWS7s1kLIhUjZJtJOCfu+9ZujaBpPiTwfdeIvEDu+qSNO8l207K1mUZgqpg4UKADj+hqPYRS5m9NOmut+l/J9ew/Z679vxPTaw31q4Xx7FogSL7M+mtdl8HfvEgXGc4xg+lcaLu48RaJ4HsNfkk+y6oJDefvChuCkZ2KxGDhup9avaTpGnaJ8XhaaSWSEaM7G384usJMy8AEnaD1x+NaLDqDak9bS/C639ULlSjfy/Wx6BRRRXCZmNrf/ACGPDn/YSf8A9JLitmsbW/8AkMeHP+wk/wD6SXFbNaT+GPp+rG9kY11/yPOl/wDYNvP/AEbbVs1zMOj6ZpPjnT/7K060svN0278z7NAse/EttjO0DOMn866anUtaNu36sb6BRRRWRIUUUUAcpqH/ACVfR/8AsG3P/oSV1dZNxonn+LLPWvtG37LbSQeTszu3lTndnjG3pitatakk4xS6L9WVJ3YUUUVkSFFFFAGNdf8AI86X/wBg28/9G21bNc5rGm2OqeMtKg1Oyt7yJbC8cR3ESyKG8y2GcEHnBPPvVr/hDvDP/Qu6T/4Axf8AxNbtR5Y3fTt5vzK0sjZorG/4Q7wz/wBC7pP/AIAxf/E0f8Id4Z/6F3Sf/AGL/wCJqLU+7+7/AIIaGzRWN/wh3hn/AKF3Sf8AwBi/+Jo/4Q7wz/0Luk/+AMX/AMTRan3f3f8ABDQ2aKxv+EO8M/8AQu6T/wCAMX/xNH/CHeGf+hd0n/wBi/8AiaLU+7+7/ghobNFY3/CHeGf+hd0n/wAAYv8A4mj/AIQ7wz/0Luk/+AMX/wATRan3f3f8ENDZorG/4Q7wz/0Luk/+AMX/AMTR/wAId4Z/6F3Sf/AGL/4mi1Pu/u/4IaGzRWN/wh3hn/oXdJ/8AYv/AImj/hDvDP8A0Luk/wDgDF/8TRan3f3f8ENDZorG/wCEO8M/9C7pP/gDF/8AE0f8Id4Z/wChd0n/AMAYv/iaLU+7+7/ghoGt/wDIY8Of9hJ//SS4rZrkNY8K+HotV0FI9B0xFlv2SRVs4wHX7LO2DxyMqDj1A9K1v+EO8M/9C7pP/gDF/wDE1pJQtHV7dvN+Y3ayNmisb/hDvDP/AELuk/8AgDF/8TR/wh3hn/oXdJ/8AYv/AIms7U+7+7/gi0Nmisb/AIQ7wz/0Luk/+AMX/wATR/wh3hn/AKF3Sf8AwBi/+JotT7v7v+CGhHq3gvw/rl/9t1PTlluNuxpFkeMuvo20jcOO+a2Le3htLaO3tYkhhiUIkaLhVA6ACsv/AIQ7wz/0Luk/+AMX/wATR/wh3hn/AKF3Sf8AwBi/+Jq3JNKLk7L+u4277s2aKxv+EO8M/wDQu6T/AOAMX/xNH/CHeGf+hd0n/wAAYv8A4motT7v7v+CLQ2aKxv8AhDvDP/Qu6T/4Axf/ABNH/CHeGf8AoXdJ/wDAGL/4mi1Pu/u/4IaBrf8AyGPDn/YSf/0kuK2a5DWPCvh6LVdBSPQdMRZb9kkVbOMB1+yztg8cjKg49QPStb/hDvDP/Qu6T/4Axf8AxNaSULR1e3bzfmN2sjZorG/4Q7wz/wBC7pP/AIAxf/E0f8Id4Z/6F3Sf/AGL/wCJrO1Pu/u/4ItClcfDvwrc3Ek0mkRqZW3OkcskcbH3RWCn8q1L7w9pOpaOml3lhDJZRgCOELtEeOBtxgqQO4xUH/CHeGf+hd0n/wAAYv8A4mj/AIQ7wz/0Luk/+AMX/wATWjqXteb0/ruPmu73Y/RvDOj+H2lfSbJYZJseZKztI7AdAWYk49s1UvPAfhq/1CS9utKjeaZ98oEjqkjdcsgIVjnnkc1Y/wCEO8M/9C7pP/gDF/8AE0f8Id4Z/wChd0n/AMAYv/iaPaWlzc7v/XmHN5ssapoOma1pq2Gp2cc1shBROV2EdCpGCpHtiq+leE9E0S7W60uwS3nEbRGQOxZlYgncSTuOVHJyeOtH/CHeGf8AoXdJ/wDAGL/4mj/hDvDP/Qu6T/4Axf8AxNJTSXKpO39eYX0tfQ2aKxv+EO8M/wDQu6T/AOAMX/xNH/CHeGf+hd0n/wAAYv8A4motT7v7v+CLQNb/AOQx4c/7CT/+klxWzXLXug6Ppev+Hp9M0qxs5Wv3QyW9skbFfss5xkAcZA49q6mnUtaNu36sJdDGuv8AkedL/wCwbef+jbatmsa6/wCR50v/ALBt5/6Ntq2aU/hj6fqxPZBRRRWYgooooAKKKKACiiigAooooAxrr/kedL/7Bt5/6Ntq2axrr/kedL/7Bt5/6Ntq2a0n8MfT9WN7IKKKKzEFFFFABWffa/o+lziHU9WsbOUruEdxcpGxHrgkccGtCvPNd1LQdM+KUsniZ7Zbd9HRU+0R7wW81ugwecZrajT9pK35FxjzX/rqd0+o2UdiL2S8t0tWxidpVCHJwPmzjk8U+6u7eyt2uL2eK3hTG6SVwirk4GSeOpArye6iNv8ADXxDc21pNa6XPqsc1hA8ZU+X5keSqdQpIJA/StTx54si1LwXe2i6PrVsZGi/e3WnvHGuJUPLHgdPzrpWEbkkurt6bfjr+Bap3dvM9KopF+6PpS1wGIUUUUAFFFFAGNrf/IY8Of8AYSf/ANJLitmsbW/+Qx4c/wCwk/8A6SXFbNaT+GPp+rG9kFFFFZiCiiigAornb3xbJZXc0P8AwjWuzrCxHnQ28ZjcDuCZBx+FX/D+uW/iTQ4NVs4Z4YLjdsWdQGwGIzgEjt61o6c1Hma0KcWldmnRRRWZIUUUUAY2t/8AIY8Of9hJ/wD0kuK2axtb/wCQx4c/7CT/APpJcVs1pP4Y+n6sb2QUUU13WKNpJGVEUEszHAAHcmsxDqK5T/hP7SfdJpeja1qlqpx9rs7PdG3Y7dxBb8Aa6Szu476yiuoQ4jlUMokQow9ip5BrSVKcFeSsNxa3J6KKKzEFFFZLa5t8Yx6F9nzvsWvPP39MOE27ce+c5/CqjFy2HZs1qKKKkRja3/yGPDn/AGEn/wDSS4rZrG1v/kMeHP8AsJP/AOklxWzWk/hj6fqxvZGNdf8AI86X/wBg28/9G21bNY11/wAjzpf/AGDbz/0bbVs0T+GPp+rB7IKKKKzEFFFFABRRRQAUUUUAFFFFAGNdf8jzpf8A2Dbz/wBG21bNY11/yPOl/wDYNvP/AEbbVs1pP4Y+n6sb2QUUUVmIKKKKACsOPRbhfHk2tl4vsz6etqEyd+8SFs4xjGD61uUVUZON7Dvo0Yfi/RbjX/Dc2n2bxJK8kThpSQuFkVj0B7Cl8YaNceIPCt3plk8STTGMq0pIUbZFY5wCegPatuirjUlHlt0d/np/kNSaaa6CDgCloorIkKKKKACiiigDG1v/AJDHhz/sJP8A+klxWzWNrf8AyGPDn/YSf/0kuK2a0n8MfT9WN7IKKKKzEFFFFAHL+PL6dNFi0jTnK3+szCzhYdY1P+sf6Bc/mK6CwsodN063srVdkNvGsUa+gAwKqS6Faz+JINbmeV7i2gaGGMkeXHuPzMBjO4jjOeladaykuRQXq/X/AIb9Sm9EkFFFFZEhRRRQBja3/wAhjw5/2En/APSS4rZrG1v/AJDHhz/sJP8A+klxWzWk/hj6fqxvZBXL/ElrhfhzrBtN3meQN23+5uG//wAdzXUU10WWNo5FV0YFWVhkEHsRShLkmpdmOEuWSl2Oe1OXU7Tw9bXHhJtLSzgtS+25idgUCgoE2MMDAPX2rEn17UvEGm+E7RLltNfXkeS6ntPlZVSPcUjJztJPfqMVof8ACu7CKKS3sdX1qxsZM5sre9xEAeoAIJAPoDWle+ENKvNFs9NVZrVLDabOa3lKy25AxlW+nrnNdanRj569teu/fWz+RacUkvX/AIBjWa3fhvx9ZaQmp32oWGo2ssnl3svnPDJHj5g552kHGD3qjpVjqHirw3N4jn8Q6nZXcxme3htp9kNuEZgqmPo33ec9envXT6N4Us9I1CXUGurzUb+SPyvtV9N5jqmc7VwAAM88CqFx8PtOmkuVg1DVLOyunLz2FtdbIHLctxjIB7gECn7WHfXTW3rf9Pu8xqUb/d/wTGGu6l4k0bwhaG7m099aEjXdzbEJIREhJCn+EsecjoBU+maXJpPxajgbUbu+iOiuYzduHeMecuRv6sM88810WqeFNN1PS7SyAls1sSrWktm/lyW5AwNp57cc5qHSfBtjpGt/2ul1fXV80DQSTXc/mGQFgcnjjG0AAYA54p+2p2fLpvpbve34af8ADi5lyW8v1OhooorzzIxtb/5DHhz/ALCT/wDpJcVs1ja3/wAhjw5/2En/APSS4rZrSfwx9P1Y3sjirjw/Zjxhp0QuNT2tYXTEnVbktkSW44bzMgcnIBweM9BjV/4Rqy/5+dW/8HF3/wDHKS5/5HbTP+wdef8Aoy2rYr9TWGoXfuL7katuyMj/AIRqy/5+dW/8HF3/APHKP+Easv8An51b/wAHF3/8crXop/VaH8i+5CuzI/4Rqy/5+dW/8HF3/wDHKP8AhGrL/n51b/wcXf8A8crXoo+q0P5F9yC7Mj/hGrL/AJ+dW/8ABxd//HKP+Easv+fnVv8AwcXf/wAcrXoo+q0P5F9yC7Mj/hGrL/n51b/wcXf/AMco/wCEasv+fnVv/Bxd/wDxyteij6rQ/kX3ILsyP+Easv8An51b/wAHF3/8co/4Rqy/5+dW/wDBxd//AByteij6rQ/kX3ILs5O48P2Y8YadELjU9rWF0xJ1W5LZEluOG8zIHJyAcHjPQY1f+Easv+fnVv8AwcXf/wAcpLn/AJHbTP8AsHXn/oy2rYpLDULv3F9yG27IyP8AhGrL/n51b/wcXf8A8co/4Rqy/wCfnVv/AAcXf/xytein9VofyL7kK7Mj/hGrL/n51b/wcXf/AMco/wCEasv+fnVv/Bxd/wDxyteij6rQ/kX3ILsyP+Easv8An51b/wAHF3/8co/4Rqy/5+dW/wDBxd//AByteij6rQ/kX3ILsyP+Easv+fnVv/Bxd/8Axyj/AIRqy/5+dW/8HF3/APHK16ht7q3u0Z7WeOdVcozRuGAYHBBx3B7UfVcP/IvuQXZnf8I1Zf8APzq3/g4u/wD45R/wjVl/z86t/wCDi7/+OVr0UfVaH8i+5BdmR/wjVl/z86t/4OLv/wCOUf8ACNWX/Pzq3/g4u/8A45WvRR9VofyL7kF2ZH/CNWX/AD86t/4OLv8A+OUf8I1Zf8/Orf8Ag4u//jla9FH1Wh/IvuQXZyer+H7OPVNCVbjUyJL9lO7VbliB9mnPBMnynjqMHGR0JFav/CNWX/Pzq3/g4u//AI5Sa1/yFvD3/YRf/wBJbitiksNQu/cX3IbbsjI/4Rqy/wCfnVv/AAcXf/xyj/hGrL/n51b/AMHF3/8AHK16Kf1Wh/IvuQrsyP8AhGrL/n51b/wcXf8A8co/4Rqy/wCfnVv/AAcXf/xyteij6rQ/kX3ILsyP+Easv+fnVv8AwcXf/wAco/4Rqy/5+dW/8HF3/wDHK16KPqtD+RfcguzI/wCEasv+fnVv/Bxd/wDxyj/hGrL/AJ+dW/8ABxd//HK16KPqtD+RfcguzI/4Rqy/5+dW/wDBxd//AByj/hGrL/n51b/wcXf/AMcrXoo+q0P5F9yC7OT1fw/Zx6poSrcamRJfsp3arcsQPs054Jk+U8dRg4yOhIrV/wCEasv+fnVv/Bxd/wDxyk1r/kLeHv8AsIv/AOktxWxSWGoXfuL7kNt2Rkf8I1Zf8/Orf+Di7/8AjlH/AAjVl/z86t/4OLv/AOOVr0U/qtD+RfchXZkf8I1Zf8/Orf8Ag4u//jlH/CNWX/Pzq3/g4u//AI5WvRR9VofyL7kF2ZH/AAjVl/z86t/4OLv/AOOUf8I1Zf8APzq3/g4u/wD45WvRR9VofyL7kF2ZH/CNWX/Pzq3/AIOLv/45R/wjVl/z86t/4OLv/wCOVr0UfVaH8i+5BdmR/wAI1Zf8/Orf+Di7/wDjlH/CNWX/AD86t/4OLv8A+OVr0UfVaH8i+5BdnJ6v4fs49U0JVuNTIkv2U7tVuWIH2ac8EyfKeOowcZHQkVq/8I1Zf8/Orf8Ag4u//jlJrX/IW8Pf9hF//SW4rYpLDULv3F9yG27Ix7n/AJHbTP8AsHXn/oy2rYrHuf8AkdtM/wCwdef+jLatit47sT2QUUUVRIUUVh+MtXl0HwfqGo22BPFHiIkZwzEKD+BOamUuWLkVGLk0kblFcfB8OdFl09H1Bbi41NkDSai1w/neZj7wOeMHoOlXfAupXWpeF0OoS+dc200ltJMesmxioY+5GKSk+blktf6/zCytzI6OiiirJCiiigDHuf8AkdtM/wCwdef+jLatise5/wCR20z/ALB15/6Mtq2KmO7KeyCiiiqJOU8Y3NxPqGi6Ba3ElqNVnfz5oW2uIo13MqnsTwM1d03wXoWjX0d5pVo1pNGCC0c74kBBGHBOG65570zxXot5qK2F/o7RjUtMn86FZThZVIw6E9sjvS6dqniK+vIo77w4um2+MzSy3ySHp0RUBzzjk44rGKtJ3Wt9PuXX+vxNH8Kttb9f+GKDeM9QuIrm+0fw7LfaVbsytdfaVjaTYSHMcZGWAwccjNXr3xfbx6Tpt1pltLqE+q4FlbIQhc7cncTwoA6nnFYtha+KfD2iS+H7DRYb2NDItrf/AGtUQI7Eguh+bIz0Gc+vepZPCuoaLpfhyXRkjv7rQ1dXgd/L+0LIuH2seAc8jNQpT5evTpr5/wBa/MpqN/v/AOB/X5GrpXiW5uNbOj63pTaXfNCZ4QJxNHMgODhgByPTFctZzWdv4GvZNRsft0Q1+QCLzTHhjcYDZHoTnHet6wsNY1fxfb65rOnrpcNjbvDb25nWWR2fG5mK8AYGAKzH8NasfBd1YC0/0mTWTdKnmJzF54fdnOPu8460e82m+z/9Kj+gtLNf1sza1LxTe2/iSbRNL0STULlLdLgMLhY0AZiDuJHy4xxjJOegxmltfGUEnhe91e9s5rWTT5GhurXIdlkUgbQeA2cjB461LbaZdx/EG+1J4sWkthFCkm4cursSMZz0I7VzOsafd6Z4N8UpdxLG2paoTbKWDecrmMADGdpOCAT060OU1Ft+f52X4DSi3b0/LU24PE2tDxFY6XqHh+G0F6jSJL/aAfCrjcMBPvAEcZx711Vef6ZHdaH4m06bxFZXks13mztLmXUluRASM7dojTrt5bDHjk16BW1Ntx1M5KzCiiirJMfWv+Qt4e/7CL/+ktxWxWPrX/IW8Pf9hF//AEluK2KmO7KeyMzWPEWlaAIv7Vu1haYkRxhGd3x1wqgkgeuKm0rV7DW9PS90q5S5t34Dp2PoQeQfY1Hqs9xZBbmw0d9SuCCn7qSONlXryzkcZ9M1zfgi2gvtJ1y3v0Md1d3sr39iNyfZy4+4DwTledw69qjmfO4+X9f10HZWudLp+u6Zqt7d2mnXkdzNZlROI8kITnA3dD0PQ8Yq+WCqWYgADJJ7VyHhq1gsvH3iS2tIUggjhs1SONQqqNjcACuuZVdCjqGVhggjIIqotuN+opJKVvT8jCs/G/hy/wBSSwtNUjkuJGKxjYwWQjsrkbW/AmrWqeJdJ0a5jt7+6KzyLvWGKJ5XK/3tqAkDjrXK+KLq4nvtGt9T0iXSNJtdQjk+3MyOAynCKAhOwMSBubGKfq93qFh48u5/Ctqur3sloi31o52LABkxnzCcAnJ+TqevFZe1lb59vK+2/wDVy+RX+X69/wCux1cWv6VNoh1eO/hOnqpY3G7CjHHPoc8Y61X0fxZomvXD2+l3wlmRd5ieN42K/wB4BwCR7iuFjW1uPD+i2xlkla58RK2pxTReWUmO5mjK84Gcdzn1rqPEwEfjHwrPGMTG5miJHUoYiSPpwKpTk7PpdL77de2onFLT1f3X/wAi3J468NRal9hfVYhN5nlZCsYw/wDdMmNgPtmugrjfHaxXmkR+FNMhja91Nl2RIoCwRhwzytjoB+pPGa6+JBFCkYJIVQoJ9quEm73FJJWsZWtf8hbw9/2EX/8ASW4rYrH1r/kLeHv+wi//AKS3FbFOO7E9kFFFFUSVF1O0bVn0xZc3iQidotp4QnAOcY6jpnNH9p2n9sHS/N/0wQfaPK2n/V7tuc4x17ZzXIahe39j8U530zSpNTkbSYw0aTpFtHmtzlyAaXR7y+vfipLJqWlvpso0cKInmSUsPO+9lCR6jHtWMal2l5v8L/5GjjZN+n42/wAzrdN1Sz1e3efT5vOiSVombaVwynBHIHerMkgiieRskIpY49q4UeKNUXwnNdPdRpM+svYi7ljXbbRebtDEDAOB698ZqXTbrU28V6np83iJ9Vs7axEpAghUK7bhsYooOeNwxj3qfbXjddv0v/X5j5Ndf61sdVo+qwa3o9tqVosiQ3Kb0WUAMB74JH61eryrSbnxHonwy0/XYtVg+y2sSH+zxagrJHvx8zk7t3OeMDt716op3KD6jNbRlzENWFoooqiTH1r/AJC3h7/sIv8A+ktxWxWPrX/IW8Pf9hF//SW4rYqY7sp7Ix7n/kdtM/7B15/6Mtq2K5uGyns/G1h9o1O6v9+nXePtCxDZiS36eWi9c989K6SiO7B9AoooqiQrN8QaQmveH73S5H8sXMRQOBnaeoOPYgVpUUpRUouL6lJtO6OPg1HxpBp6WDeHbeW7RBGL77cogJAxvK/f98Yra8M6L/wj+gW9g0vnyrueaXH35GJZj+ZrWopKNndu7BvSyCiiiqJCiiigDHuf+R20z/sHXn/oy2rYrntXtZrvxhpaW99cWLCwuyZLdYyxHmW/Hzqwx+GeOtWf7Fv/APoZ9V/79Wv/AMYqE3d6F20RsUVj/wBi3/8A0M+q/wDfq1/+MUf2Lf8A/Qz6r/36tf8A4xT5n2FZdzYorH/sW/8A+hn1X/v1a/8Axij+xb//AKGfVf8Av1a//GKOZ9gsu5sUVj/2Lf8A/Qz6r/36tf8A4xR/Yt//ANDPqv8A36tf/jFHM+wWXc2KKx/7Fv8A/oZ9V/79Wv8A8Yo/sW//AOhn1X/v1a//ABijmfYLLubFVtQ0+01Wxks9Rt0uLeUYeNxkH/6/vVD+xb//AKGfVf8Av1a//GKP7Fv/APoZ9V/79Wv/AMYobvo1+QLTVMTT/Cei6XeJd2toxuI12RyTzyTGMf7O9jt9OMVs1j/2Lf8A/Qz6r/36tf8A4xR/Yt//ANDPqv8A36tf/jFCdtEvyDfdmxRWP/Yt/wD9DPqv/fq1/wDjFH9i3/8A0M+q/wDfq1/+MUcz7BZdw1r/AJC3h7/sIv8A+ktxWxXJavpF6mqaEG8Rak5e/YKzR22UP2ac5GIeuARzkYJ4zgjV/sW//wChn1X/AL9Wv/xipTd3oNrRaiavpOqXd3Hc6PrsmnOE2PE8CzxOMk52nBB56g+lQ6N4afR7XUJE1GS41TUDvmvpol++FwpCDAwPT9an/sW//wChn1X/AL9Wv/xij+xb/wD6GfVf+/Vr/wDGKXKr3s/6+YX8zJ03wpr1h4gn1WTxLDM12YvtMf8AZoXzFTgAHf8ALwTzWxDo9yl7q0s2rXUkOoBRDEp2/ZMLtOw5OCTz0HNN/sW//wChn1X/AL9Wv/xij+xb/wD6GfVf+/Vr/wDGKFFJWs/6+YNtu9zJn8G6lqaxW2v+JJr/AE6ORZDbraJE0pU5UO46jjsBmrlz4avItcutU0HVVsJb1UFzHNbCdHKjCsBuUqce+D6Va/sW/wD+hn1X/v1a/wDxij+xb/8A6GfVf+/Vr/8AGKOVdn9//BHd9zPPgmB9Cns5r6dr2e7F81+FUOs4IIdV6ADAGPSpNO8MXi61BqviDWG1W6tY2S1C2ywJFuGGbaCcsQMZz+FXP7Fv/wDoZ9V/79Wv/wAYo/sW/wD+hn1X/v1a/wDxihRSd0v627hdvqYdn4O8QWGoXl7beKYftF5Jvlll0wO5HZcmThQOgHFdhAsqW8aXEgllVAHkC7Q7Y5OO2fSsv+xb/wD6GfVf+/Vr/wDGKP7Fv/8AoZ9V/wC/Vr/8YpwSgrRT/r5ik+Z3bDWv+Qt4e/7CL/8ApLcVsVyWr6RepqmhBvEWpOXv2Cs0dtlD9mnORiHrgEc5GCeM4I1f7Fv/APoZ9V/79Wv/AMYoTd3oDWi1Niisf+xb/wD6GfVf+/Vr/wDGKP7Fv/8AoZ9V/wC/Vr/8YquZ9hWXcemi7PFsut/aM+ZZra+Ts6Yctu3Z98YxQNEx4vOufaOtkLTyNn+3u3bs/hjH40z+xb//AKGfVf8Av1a//GKP7Fv/APoZ9V/79Wv/AMYqVpbTb9b/AObH31/r+kcj4n0RdE8PWttPdN9ml1lrua9+zhktVYsfmQhgw525PGSCfSpvDEwXXG0nw/qFvqekSW8jXMsFjHCtvJwF+aNVVi2TxjOBXUf2Lf8A/Qz6r/36tf8A4xR/Yt//ANDPqv8A36tf/jFZqnZ7af8AAtbfyL57r+u9+xRk8H7/AIer4X+3Y2wrF9p8n0YHO3d7etdKo2qB6DFZH9i3/wD0M+q/9+rX/wCMUf2Lf/8AQz6r/wB+rX/4xWuzvYz6WubFFY/9i3//AEM+q/8Afq1/+MUf2Lf/APQz6r/36tf/AIxT5n2Cy7hrX/IW8Pf9hF//AEluK2K5i80+5tNe8Pvcaxe3ym/cCO4SEKD9ln5+SNTn8cc9K6elHdg+hj3P/I7aZ/2Drz/0ZbVsVj3P/I7aZ/2Drz/0ZbVsU47sHsgoooqiQqrqd/FpWl3V/cK7RW0TSuEALEKMnGcc1arF8YgnwTrOBn/Qpf8A0A1FSTjByXRFwSckmaEd/FLpKagqv5TQCcKQN20rux9cU3SdTh1nSLXUbVZEhuoxIiyABgD64JH61n2kif8ACAwSb12f2Yp3Z4x5XXNM8DKV8BaKGBB+xx8Ee1U3+8ce3/BJXwJ/10N+iiimIKKKKAMe5/5HbTP+wdef+jLatise5/5HbTP+wdef+jLatipjuynsgoooqiQoqOYkQSEHBCnB/CuV8Fa/bSeCNPfUtWhe6MTeY1xcgyE7j1yc1EppNplWbVzrqK4/wnr62fw1stU1q6mmYhgXcmSSVjIwVR3YngAVq6d4ogvtTTT7mwvtNupIzLDHexBfNUddpViMjIyCQfampK9huLVzbornLnxna2cha603VIrITCFr57bbCpJwCcnftzxu24qn4h8S6hpnjPR7G1sb2e2mSYypCkR+0YUEbSzAjaeT0696n2kbXDkZ19FYd94nhtLuOzh0+/vb1ohNJbWsas0KnpvJYKDwRjPOKin8a6Vb+GTrsn2j7KkohlTysSQvuCkMp5BBPI/LNVzx7i5WdDRWdo+r/wBsW8kwsL6yVWwovIfLMgxkMBk8fXB9q0aoQUUUUCMfWv8AkLeHv+wi/wD6S3FbFY+tf8hbw9/2EX/9JbitipjuynsgopksscELyzyLHGg3M7tgKPUk9KSGaK4gSaCRJYpFDJIjAqwPQgjqKoRJRVG01nS7+5e3sdSs7mePl4oZ1dl+oByKvUJp6oNtwoqlFrOlz6g1jDqVpJeLndbpOpkGOvy5zTr7VNP0tFfU762s1c4VriZYwx9skUuZWvcLO9i3RUP2u3+yfavPi+z7d/nbxs2+u7pj3qKx1TT9UjZ9Mvra8RDhmt5lkCn0JBNO/QC3RWQ3i3w4rFW1/SwQcEG9j4/WtOCeK5gSe2lSaKRQySRsGVgehBHUUk09gaa3MvWv+Qt4e/7CL/8ApLcVsVj61/yFvD3/AGEX/wDSW4rYpR3Y3sgoooqiQoorPi17SJ777HBqtjJdZx5CXCF8+m0HNK6vYZoUVVvtSsdMhWXUr23s42baHuJVjUn0yT1qG217R7yGaW01Wxnjt13zPFcowjX1Yg8Dg9aOZdwszQorMtfEmh31ylvZazp9xO/3IorpHZu/ABya06aaewbBRRRQIx9a/wCQt4e/7CL/APpLcVsVj61/yFvD3/YRf/0luK2KmO7KeyMe5/5HbTP+wdef+jLatise5/5HbTP+wdef+jLatiiO7B7IKKKKokKbJGksbRyqHRwVZWGQQeoNOoo30Yzkx8PdNWM2y6hqw00tn+zReHyMf3cY3bfbdiupjjSGJI4kVERQqqowFA6AU+ilGKjsDbe4UUUUxBRRRQBj3P8AyO2mf9g68/8ARltWxWPc/wDI7aZ/2Drz/wBGW1bFTHdlPZBRRRVEkcwJgkAGSVOB+Fcd4N8I6V/whlh/a3h+z+2+W3m/abJPMzuP3ty5zjHWu1oqJQUndlKTSseaQ+H9Rn+FOjQiyuRc2F0LmSzUmGV0EjZUHIIO1sjp0FbWhWWmT63Bc2ul68JrdGK3GpyThISRggCVuSR/dBHvXY0UlTSd/wCuxTndHkWvQeINW8P30OoDxHNqm9g1nBbKtmFD5GCF+cYx0JYnt1rr/FIubLX/AA9rEdjd3tvZmaOdLSIySLvQAHaOSMiuuoqVSsrJ9vwG53e3f8Tz3UNO8nxdeanqVjrcllqUELxPp7zBoXVcFJEibPoc4I61LqmkL/wghj0fSdQhM2owztDcFpZn/ermRuWI4GeeRjnFd7RTVJLb+tbic2/68rBRRRWpmFFFFAGPrX/IW8Pf9hF//SW4rYrH1r/kLeHv+wi//pLcVsVMd2U9kc74y0a21TQrqa9MsiWtrM6Qb8Rs+3IZl/iIxxngZ6Vh6ncSwfBKzEDtG01jawl1OCFfYrfoTXR+J7bW73TXs9DWwIuIpIpmvJHXaGGAV2qc9T19qy7Tw1q154Jm8O6+1jEi20cFtNZu7kFBwzBlHQqp49+lYyjdzSW9vnvc0Ttytv8ArQreKtF07QtP0a80qygtZ7LULeOOSKMKxRm2MpI6gg85rqdcW7bw/qC6aSLs20ggK9Q+04x75rn/AOwfEmsXenp4mutOFlYTrcbbIPvuXT7u7dgKO5AzW3awa0mo6pJc3dvJaybf7Pj2cxfL82/AGctz1NO14yXe/wCSJvZp9v8AM821DU/DkXw3s4tNEcOs2HkyLEkLCeKdWXeWwMjPzAk8H8q6rTLG11rx94guNUt47o2awW0CTIHWNWTc2AehJNTyaP4k1x4bbxJNpcOnxyJLLFYiRmuSpyFJfG1cgE4yeMZqS/0XXLPxHdat4ZlsG+3RolzBfbwNyAhXVlz2OCMdqlJ35mv6tvb8Crq1k/6v/TMzQbLT0s/Eel3tkbrTdP1NnhtUiMgAKq+0IOoBJO3n6Uzw61jd/Ey7udOszpKR6eImtZoPIkuSXz5gjODtAAG4j2rWsfD2saRok39n6jbNq9zdteXMs8JMMrNwUwDuVQMYI5498UljoOtXnii21vxHPZI1lE8VvbWAcqd+MszNgnp0x6fiRi046bf5W3/AUmrPz/zKnjeysfsFtpGn2FquoaxOLdHWFd0adZJOnZf5111paxWVlDa2y7IYI1jRR2UDAFZEeiXMvjaXWr+SNoYbcW9jEpJKZ5kc5HBPA4zxW7WsFa77/pt/n8yZO9l/X9dPkY+tf8hbw9/2EX/9JbitisfWv+Qt4e/7CL/+ktxWxVR3YnsgoooqiTlPiFPKuhWljDK8K6lfw2csiHBWNz83PbIGPxqXWfB+gv4ZuLWLTLaARQMYZIogrxsBkMG65z371oeJNCTxFosli0zW8m5ZYZ0GTFIpyrY789qxbnTPGmq2L6ZqN9pFtbTKY57q1SQzOh6gK3yqSOM5OM8Vzzi3zK2r2+79Hr8zaLXuu+xh6pqb3ngvwXqGpwSXjveQtNGkXmPN8jDhe5PXHvWxqN5Y3ngfxC1ho91pm2ykDC4sTbmT5GxjI5x/WtPU/DbTQ6Bb6Z5UVvpN3HKVkY5MaKVwMA5PI64rQ1+wl1Xw7qFhbsiy3Nu8SFyQoLKQM4zxROEnGp53/JBGSTh5W/NnPeEdR0yeHToIfD17bXAt1/0uXTDGmQnJ8zHf175rsqq6ZbPZaTaWspUvBAkbFehIUA4/KrVdFrGK2CiiigDH1r/kLeHv+wi//pLcVsVj61/yFvD3/YRf/wBJbitipjuynsjm4YtSj8bWH9qXdrcZ0678v7PatDt/eW+c7pHz29PxrpKx7n/kdtM/7B15/wCjLatiiOjYPoFFFFUSFRz+abeT7MUE20+WZASobHGcc4zUlFD1GcPNqvjWHxJbaOZNAMtxbvOJBBNtAUgEff8AeuxshdiyiGotC11t/emBSEJ9gSTj61zl9/yVTSf+wbcf+hpXVVnTvbXz/Mqe4UUUVoQFFFFAHPaul9J4w0sabcW9vL9guyWuIGlUr5lvxgOvOcc5/CrP2bxJ/wBBbSv/AAVyf/JFFz/yO2mf9g68/wDRltWxUKKbZd9EY/2bxJ/0FtK/8Fcn/wAkUfZvEn/QW0r/AMFcn/yRWxRT5UK7Mf7N4k/6C2lf+CuT/wCSKPs3iT/oLaV/4K5P/kitiijlQXZj/ZvEn/QW0r/wVyf/ACRR9m8Sf9BbSv8AwVyf/JFbFFHKguzH+zeJP+gtpX/grk/+SKPs3iT/AKC2lf8Agrk/+SK2KKOVBdmP9m8Sf9BbSv8AwVyf/JFH2bxJ/wBBbSv/AAVyf/JFbFFHKguzH+zeJP8AoLaV/wCCuT/5Io+zeJP+gtpX/grk/wDkitiijlQXZj/ZvEn/AEFtK/8ABXJ/8kUfZvEn/QW0r/wVyf8AyRWxRRyoLs5LV7fxANU0LzNT01mN+wjK6dIArfZp+SPPORjIxxyQc8YOr9m8Sf8AQW0r/wAFcn/yRRrX/IW8Pf8AYRf/ANJbitipUVdjb0Rj/ZvEn/QW0r/wVyf/ACRR9m8Sf9BbSv8AwVyf/JFbFFVyoV2Y/wBm8Sf9BbSv/BXJ/wDJFH2bxJ/0FtK/8Fcn/wAkVsUUcqC7Mf7N4k/6C2lf+CuT/wCSKPs3iT/oLaV/4K5P/kitiijlQXZj/ZvEn/QW0r/wVyf/ACRR9m8Sf9BbSv8AwVyf/JFbFFHKguzH+zeJP+gtpX/grk/+SKPs3iT/AKC2lf8Agrk/+SK2KKOVBdnJavb+IBqmheZqemsxv2EZXTpAFb7NPyR55yMZGOOSDnjB1fs3iT/oLaV/4K5P/kijWv8AkLeHv+wi/wD6S3FbFSoq7G3ojH+zeJP+gtpX/grk/wDkij7N4k/6C2lf+CuT/wCSK2KKrlQrsx/s3iT/AKC2lf8Agrk/+SKPs3iT/oLaV/4K5P8A5IrYoo5UF2Y/2bxJ/wBBbSv/AAVyf/JFH2bxJ/0FtK/8Fcn/AMkVsUUcqC7Mf7N4k/6C2lf+CuT/AOSKPs3iT/oLaV/4K5P/AJIrYoo5UF2Y/wBm8Sf9BbSv/BXJ/wDJFH2bxJ/0FtK/8Fcn/wAkVsUUcqC7OYvIdXj17w+dSvrK4i+3uAtvZvEwb7LPzkytxjPGPxrp6x9a/wCQt4e/7CL/APpLcVsUoqzYPoY9z/yO2mf9g68/9GW1bFY9z/yO2mf9g68/9GW1bFOO7B7IKKKKokKKKKAIWtbdrpLpoIzcIpRJig3qp6gHqAcdKmoooGFFFFAgooooAx7n/kdtM/7B15/6Mtq2Kx7n/kdtM/7B15/6Mtq2KmO7KeyCsjxTqs+h+Fr/AFK0iEs1vFuRWBIznGSB2HU/SteqWrahDpemyXd3FNLAmBIsMRkIUnBO0ckDOT7ZpVPgetgj8S0uZPh6HWmaC8m8R2+s6fcR5OLZI9p7FGTqM8YOfrS3Pj7wzaEifVUUh2RgInYoQxU7sL8oyCMnANczpUmjyeOtPl8ANJ9ml8xtUSBXW2C7flyCMK+egGKraH4m0TStB12w1JHW4uL+7Cw/Z2P2zcxAVSBhj0X2+lYOrZaefntbb7zVU7vXy/X/ACO/1LxDpOj2tvc6lfRwQXJxFKclXO0t1HHQfjWfJr9pqB0i607WGtre5uzEI2s2JuiAf3fzAFOmc+1c4+nTWeieArHUoszRXkYkjkGdpEbkA/Tj8q2/F/8AyGvC3/YUH/ot61cnd/4kv/Sf8zOyt8m/z/yLeoeN/D2l3E8F9qKxzW77JYhE7Mp2hs4VScYI56e9aEut6ZDo41WS9hFiyh1n3ZVgemPUnpjrmsHwxFGfF3i5yi7zdxKWxyR5S8Z9Oa5RJ2tfhRoc0YAaHVtyOyMyRlZ5CNyqCxHGMDnkYqPayUU31t+aX6l8ie39b/5HcW3jDR9WmubHTbmdruOJmZGtJoyny5GSygD2zVTwzrsFl8OdK1LXb5hvhUNNMzO8jEnA7lj7DJrO0HUE1TX9Uvr+9tl1GSxEMdjDFLGViUk7j5qqWJJ/u8CsSOKWPwf4J1F7m4tbG1VxcXFvGrtAWUhZCCrAAYIJxxuqfaSXven5v9A5Ve39bI9E03xDperrcGwud7W3+ujeNo3j4zyjAMPy5qDSvF+ha5drbaVfi5laPzAEjfGOOpIwDyOCcj0rF0SLTLvUr/UrLXbvWbhbIwNM8aCILnIG5EUFs9skjNXvh3Gkfw90cRoqBoNx2jGSScmtYSlJ6/1uTJJf16HTUUUVqZmPrX/IW8Pf9hF//SW4rYrH1r/kLeHv+wi//pLcVsVMd2U9kFFcV4z0+zvPEmkSaxpV1qNhHBOHEFtJNtclNuQgyOhqpf3uk6f8NdWl8DAWyRvtnEaskkDEqrkq3zKwX+WazdSybfQtQvbzPQKK85vbfQfDuoeHb3wxcwxTXV5HBKsNxuN3DJwWYZO/BIOe2a9BuVla1lW2YJMUIjZhwGxwfzq1LRu23/DkW1XmS0V43aHTJ0sdJsoXg8YpdKtxeST87lYGRvM3YcEfwDPXpXQ+L5tK0/xf9p8aQNd6VNahbJRl1ikXJfMYPUgj5sHHqKz9t7vN/wANtft8i/Z62PQ6K81F7eaN8MYilxNEuo3witDBIZ5Le3kfhVIzlgoOME4J46Vq6Avh2w1+2t4dAvdIv5o38ia7jwbkYy2WDNk45w3NWql3b+tr2JcbK52tFeXW+n+FLSS+m8XaLcRTvqE5N5cWcwiKtKdh8wDbggjmvT0KsilCCpGQQeCKdOfPG4Sjyuxk61/yFvD3/YRf/wBJbitisfWv+Qt4e/7CL/8ApLcVsU47sT2QUUUVRIUVyvjT/j/8M/8AYYi/9BatjXtbh0HTPtc8ckzNIsUMEQy8sjHCqPrUc6s2+jt+C/zK5dV5/wDB/wAjSormbTxTfx6xaaf4h0NtLa+JW2lS6WdGcDJRiANpx065pw8Wj+xdYvJLIrcaXcPbm283JkYY2c443bl7HGaPaRtf+tP+HHys6Siue/4SpZNK0S6trXzJdWlSJYPNx5eQS5Jxztwc8Dp2roapNPYlprcKKKKYjH1r/kLeHv8AsIv/AOktxWxWPrX/ACFvD3/YRf8A9JbitipjuynsjHuf+R20z/sHXn/oy2rYrm4ZdSk8bWH9qWlrb40678v7PdNNu/eW+c7o0x29fwrpKIu7YPoFFFFUSFFFFAHkkOm+Fm0fxFqGsSQ2+oxahdmGdZykykMdm0A5Jz0GOa9G8MzXk/hXTJdTDC7e1jM28YYttHJ96yPC/hWC0kv7rVtJtPtsmpTzQzvFG8nls2VIbkj6dq6ysKEHGCv2X5fma1JXk/VhRRRW5kFFFFAGPc/8jtpn/YOvP/RltWxXPau99H4w0s6bb29xL9guwVuJ2iUL5lvzkI3OccY/GrP2nxJ/0CdK/wDBpJ/8j1Ckk2XbRGxRWP8AafEn/QJ0r/waSf8AyPR9p8Sf9AnSv/BpJ/8AI9PmQrM2KyvD+i/2FZXFv9o8/wA66luN2zbje27b1PT1pn2nxJ/0CdK/8Gkn/wAj0fafEn/QJ0r/AMGkn/yPSur3/wA/66BZ2sbFFY/2nxJ/0CdK/wDBpJ/8j0fafEn/AECdK/8ABpJ/8j0+ZBZmxWP4h0JtajtHt7xrK7sp/Pt5hGJFDYI+ZD1GCe4PvR9p8Sf9AnSv/BpJ/wDI9H2nxJ/0CdK/8Gkn/wAj0m4tWf6jV0QWPh67GuR6trepi/uLeNorZIrYQxxBsbjjcxJOB1P4Vv1j/afEn/QJ0r/waSf/ACPR9p8Sf9AnSv8AwaSf/I9CaSsv1E02bFFY/wBp8Sf9AnSv/BpJ/wDI9H2nxJ/0CdK/8Gkn/wAj0+ZBZmxRWP8AafEn/QJ0r/waSf8AyPR9p8Sf9AnSv/BpJ/8AI9HMgsw1r/kLeHv+wi//AKS3FbFclq9x4gOqaF5mmaarC/YxhdRkIZvs0/BPkDAxk555AGOcjV+0+JP+gTpX/g0k/wDkepUldja0Qur6jq9jMg0zQm1OJl+Zku0iZT6EPjj3B/CsnRdM1ewTXNavLC3k1HU3V102OcbVVV2hTIRjcRnJxitX7T4k/wCgTpX/AINJP/kej7T4k/6BOlf+DST/AOR6mybvd/d/wPzHraxz9j4fuNR1mznm8M2Xh6ys5vtLrE0bS3MgBC/6sYCgkk5OScVtzR63qQ12wnSKyt3j8vT7qN/nbchyzAHjDfT+tS/afEn/AECdK/8ABpJ/8j0fafEn/QJ0r/waSf8AyPRyx5eXXULu9zk5tE1m98G2/hc+G4bVolSP7f8AaYzFGVIzKoHz7jgnoDzya1H0/VtH8X6hqsOlnWor2GKONlnRJLcIpBT5yBtY88Hr1FbH2nxJ/wBAnSv/AAaSf/I9H2nxJ/0CdK/8Gkn/AMj0cqve7v6f8ALu1jmV8H6mfC12IYre0v31Mana2YfMcBUgiPIGOcHkcZNXorPXPEPiTS7/AFjSk0i20svIIzcrM80jLtGNvAUc9eT6VsfafEn/AECdK/8ABpJ/8j0fafEn/QJ0r/waSf8AyPSUIq1r20/Db8l9w3Jvf+rmLrc3ijW9Mu9Hj8NxWwukaFrya+R4kU8FgoG48dBgV1OnWY07S7WyVy4t4UiDEfe2gDP6VQ+0+JP+gTpX/g0k/wDkej7T4k/6BOlf+DST/wCR6uNo3er/AK9CXdhrX/IW8Pf9hF//AEluK2K5LV7jxAdU0LzNM01WF+xjC6jIQzfZp+CfIGBjJzzyAMc5Gr9p8Sf9AnSv/BpJ/wDI9CkrsGtEbFFY/wBp8Sf9AnSv/BpJ/wDI9H2nxJ/0CdK/8Gkn/wAj1XMhWZR8Z2Wo3K6RcaTYtfSWWoJcPCsqRkqFYdWIHUiqmqwa94j02Nzo39mXmm3cN5bJcXMci3BUnK5Qnbwep9R9a2ftPiT/AKBOlf8Ag0k/+R6PtPiT/oE6V/4NJP8A5HrNxWur11+enl5FXf8AX9eZjNaa74l13SptV0ldIstNm+0kPcpM80mCFA2cADPU9fSnahoF+/jRZLaANpd7JBcXj71GySHcR8p5O7EfT+7Wv9p8Sf8AQJ0r/wAGkn/yPR9p8Sf9AnSv/BpJ/wDI9HLHTfe4Xf4WMjRdBv7bxVIbyArp1g872L+YrBzMwY8ZyNvzLyO9dfWP9p8Sf9AnSv8AwaSf/I9H2nxJ/wBAnSv/AAaSf/I9VHljFRQpXbubFFY/2nxJ/wBAnSv/AAaSf/I9H2nxJ/0CdK/8Gkn/AMj1XMhWYa1/yFvD3/YRf/0luK2K5i8m1eTXvD41KxsreL7e5DW948rFvss/GDEvGM85/CunpRd2wfQx7n/kdtM/7B15/wCjLatise5/5HbTP+wdef8Aoy2rYpx3YPZBRRRVEhRRVXU7+LStLur+4V2itomlcIAWIUZOM45pNpK7Gk27ItUVVjv4pdJTUFV/KaAThSBu2ld2Prim6TqcOs6Ra6jarIkN1GJEWQAMAfXBI/Wn1sHS5cooooEFFFFAGPc/8jtpn/YOvP8A0ZbVsVj3P/I7aZ/2Drz/ANGW1bFTHdlPZBRRRVEhRRXHvrHim/8AEWsWWiDSFh0541Au45d0m5A33lbA79qmUlEpRudhRWJ4e8SQazotpd3ISyuJ5HgNvJIM+ahIZV/vfdJ47Vq/arcXgtDPF9pKeYId43lM43beuM8Zpppq6FZomorPfXtIiaNZNVskaVzHGGuEBdgcFRzyQeMetTLqdg+oNYLe2zXijcbYSr5gHrtzmi6YWZaoqpc6pp9n5n2y+trfyVVpPNmVdgOcE5PAODj6VNbXUF5bpcWc8c8MgykkThlYexHBp3TAlooooEFFFFAGPrX/ACFvD3/YRf8A9JbitisfWv8AkLeHv+wi/wD6S3FbFTHdlPZBRRRVEhRRRQAUUUUAFFFFABRRRQBj61/yFvD3/YRf/wBJbitisfWv+Qt4e/7CL/8ApLcVsVMd2U9kFFFFUSFFFFABRRRQAUUUUAFFFFAGPrX/ACFvD3/YRf8A9JbitisfWv8AkLeHv+wi/wD6S3FbFTHdlPZGPc/8jtpn/YOvP/RltWxWPc/8jtpn/YOvP/RltWxRHdg9kFFFFUSFYvjEE+CdZwM/6FL/AOgGtqmyRpLG0cqh0cFWVhkEHqDUVI80HFdUXGXLJMxbSRP+EBgk3rs/sxTuzxjyuuaZ4GUr4C0UMCD9jj4I9qpD4e6asZtl1DVhppbP9mi8PkY/u4xu2+27FdTHGkMSRxIqIihVVRgKB0AoV3JyfX/gi0UVFD6KKKskKKKKAMe5/wCR20z/ALB15/6Mtq2Kx7n/AJHbTP8AsHXn/oy2rYqY7sp7IKKKKokK8/tNP1e/8b+KBpOtDTI/OgEuLRZWb90OQSRt/I16BUMVrbwzzTQwRxyzkGV0QBpCBgFj3wOOaiUFJpsuMrI4rVtNsfCkPhWBJGSzttSPm3E7fxPHJlnbpyxqe21Gz1H4uj7BcxXIh0dkdom3KreapxkcZwRXXXVpb3tu1vewRXEL/ejlQOrfUHiorbS9PsmRrOxtrdo0MaGKFV2qTkqMDgZ5xUqDUr9L3/Cw+ZW/rvc87stE025+H3iq6nsoZLhri+bzmQFwUZiuCemCM8VZ1DSNP03w94RurGzhguTqFoTOi/O28fPlupznnNd8lhZx2stslpAsExYyxCMBXLfeyOhz3z1oksbSWGGKW1heOBlaJGjBEZX7pUdiO2OlTGiopeXL+G/3jc7v7/xOJvW0T/hbs4142mf7MiNuLvG3dvbON3Gcfj1x3q74BFuJ/EB0rb/ZR1E/ZPL/ANX90b9nbbu9OPStCTwyl34uvdQ1GC0urG4s4oBBMm87lZmyVIxjmt2C3htbdILaJIYYxtSONQqqPQAdKdODWr8/xYpyT0Xl+RJRRRWxmFFFFAGPrX/IW8Pf9hF//SW4rYrH1r/kLeHv+wi//pLcVsVMd2U9kc/4vTVm0adtLvlsYYreWWaVFzMSq5VU7LnnLdRxj1DtFhfWPAempdXd0klxZQl7iKYrLnaCTv65PrSeL9SNnodxbJYX95JeW8saCztml2nbgbsdOv8AOovBN+03hmzs5rC/s5rG1iikF3atEGIXB25HzdO3tWas5yT8v1Kd1FP+uhhXmjPa+NNG0vTNc1uSQsby7E2oSOogQ9CM/wATYH5130qu8LrG/luVIV8Z2nscd65rwjZ3U95qniDU7eS3udQm2QxTKVaKCP5UBB5BPLEe4rSg1i5e+1aKfSrmKGwCmKYAt9rBXcdgxyQeO/NELKGvXX+vl+IS1lp00/r+tjltbsb/AMM32jXdp4g1O9u7vUI7eaC6m3RTK/3sRgYXGO3St7XNAtp3uNTu9Z1ezjjjLyLa37xRqqjkhRx0Fc1pWtSXWvHW/EGha6bwZis7dNNkaOzjPUgkcue7fgOK3/Glveatb2OhWkMxh1CcC8nRTtigX5mBboC2AAD15qFZwbXV6eV9P+Cytpa/Mp+ELfWm8Dm5gvZJLu/lM9u+pSvN5ELEBe+Sdg3YyASe1WPAkt40Wtw6hfz30ltqkkKyztk4Cp0A4UZzwOOa6C9uo9K01p1tp5o4QAIbWEyORkABVHXH8q5HwTqcqapqtvc6Rq1t9v1KW5iknsXRAhUY3MRgH5T+lWrRqJeX+ROrg35/5kPjDTr/AEHQ7jXofEmpvqEUqtFGZQIHywAj8kDBGD9eM13kRdoUMgCuVBYDsa87fWpdU8S/btd0HXfslhKfsFpHpsjqWH/LZzjBb+6Oi/WvQ4JhcW8cwR4xIgbZIu1lyM4IPQ+1FFpptbf1+f8AWtwnpZP+v+GMvWv+Qt4e/wCwi/8A6S3FbFY+tf8AIW8Pf9hF/wD0luK2K0juyXsgoooqiTA8ZazdaPoif2bsF9eXEdpbM4yFdzjcR3wMmsy/8K6jYaZNf6f4n1d9SgjaUG4uN0MrAZKmLG0KenHStHxppF3q2hxnTFV76yuY7u3RzgOyHO3PbIyKzr7xTqWp6XNY6X4a1eLUbiMxD7Vb+XDCSMFjITggZzxnNc0/td+n3dPn/wAE2j07df69ClrutPrPhnwteC8uNNi1K8iFw9vcGEqpRtw3A9Mj9Ku3dtb6V4Q1240jXb6+lWzciSXUGnMJCsQVOflP+FQ6x4a8jRfCekC1N9b2d7CtwPJ3oVCMGZhjG3Pr61q65odnZ+DtZg0TS4IJLi0kXy7O3CmRtpwMKOTzRNO1R+v5IItXgvT82UfC2n2BGn3a+JNRvLtoVka2l1RpVLFOcoTzjJ+mK7GsLw74d0vT9N0+4i0eztr1bZN8q2qpIGKANk4znrmt2uhLl0Mb31CiiimBj61/yFvD3/YRf/0luK2Kx9a/5C3h7/sIv/6S3FbFTHdlPZHNw3s9542sPtGmXVhs067x9oaI78yW/Ty3bpjvjrXSVj3P/I7aZ/2Drz/0ZbVsUR3YPoFFFFUSFFFRzo8lvIkMphkZSFkCg7Djg4PBxQxklFcFcQ+KIfF1now8XTFLi1knMn2CDKlSBjG33rtrKGe3sooru5a7mRcPOyBC59cDgfhUQlzK9hyVieiiirJCiiigDntXuprTxhpb29jcXzGwuwY7dowwHmW/Pzsox+OeelWf7av/APoWNV/7+2v/AMfouf8AkdtM/wCwdef+jLatioSd3qXfRGP/AG1f/wDQsar/AN/bX/4/R/bV/wD9Cxqv/f21/wDj9bFFPlfcV12Mf+2r/wD6FjVf+/tr/wDH6P7av/8AoWNV/wC/tr/8frYoo5X3C67GP/bV/wD9Cxqv/f21/wDj9H9tX/8A0LGq/wDf21/+P1sUUcr7hddjH/tq/wD+hY1X/v7a/wDx+j+2r/8A6FjVf+/tr/8AH62KKOV9wuuxj/21f/8AQsar/wB/bX/4/R/bV/8A9Cxqv/f21/8Aj9bFFHK+4XXYx/7av/8AoWNV/wC/tr/8fo/tq/8A+hY1X/v7a/8Ax+tiijlfcLrsY/8AbV//ANCxqv8A39tf/j9H9tX/AP0LGq/9/bX/AOP1sUUcr7hddjktX1e9fVNCLeHdSQpfsVVpLbLn7NOMDE3XBJ5wMA85wDq/21f/APQsar/39tf/AI/RrX/IW8Pf9hF//SW4rYqUnd6jb0Whj/21f/8AQsar/wB/bX/4/R/bV/8A9Cxqv/f21/8Aj9bFFVyvuK67GP8A21f/APQsar/39tf/AI/R/bV//wBCxqv/AH9tf/j9bFFHK+4XXYx/7av/APoWNV/7+2v/AMfo/tq//wChY1X/AL+2v/x+tiijlfcLrsY/9tX/AP0LGq/9/bX/AOP0f21f/wDQsar/AN/bX/4/WxRRyvuF12Mf+2r/AP6FjVf+/tr/APH6P7av/wDoWNV/7+2v/wAfrYoo5X3C67HJavq96+qaEW8O6khS/YqrSW2XP2acYGJuuCTzgYB5zgHV/tq//wChY1X/AL+2v/x+jWv+Qt4e/wCwi/8A6S3FbFSk7vUbei0Mf+2r/wD6FjVf+/tr/wDH6P7av/8AoWNV/wC/tr/8frYoquV9xXXYx/7av/8AoWNV/wC/tr/8fo/tq/8A+hY1X/v7a/8Ax+tiijlfcLrsY/8AbV//ANCxqv8A39tf/j9H9tX/AP0LGq/9/bX/AOP1sUUcr7hddjH/ALav/wDoWNV/7+2v/wAfo/tq/wD+hY1X/v7a/wDx+tiijlfcLrsY/wDbV/8A9Cxqv/f21/8Aj9H9tX//AELGq/8Af21/+P1sUUcr7hddjmLzULm717w+lxo97YqL9yJLh4SpP2Wfj5JGOfwxx1rp6x9a/wCQt4e/7CL/APpLcVsUo6Ng+hj3P/I7aZ/2Drz/ANGW1bFY9z/yO2mf9g68/wDRltWxTjuweyCiiiqJCiiigDlb7/kqmk/9g24/9DSuqooqYx5VYpu7CiiiqJCiiigDHuf+R20z/sHXn/oy2rYrHuf+R20z/sHXn/oy2rYqY7sp7IKKKKokKyvEmtf8I/okmofZ/tGySNPL37M7nC5zg9M5rVrlfiP/AMiTP/13g/8ARq1M20roqKuzqqKy/El7Z6f4cvLnUzN9lVMOLdisjZIACkEEEkgdR1rh9OibS/H2hLZeHJNAgvFmjlBuEf7Soj3LuVWPzA85PPNS6lp8v9f18xqN43PTKK89tPDOm+IvE/ixdXSSdEukWOMysERjCvzgA/e9z6fWsVtJhX4Uw+J5J7qbWrdFkhvJLhy8e2TaFHOAuO3fNQqrtdrTcrkTdk/I9corh/Etnban8QNAs7+V1gntLgPGkpj877h2EggkcZwOuKk8L2cGi+ONa0fSSV01LeGf7PvLLBK2cgZPGQAcVam3K1u6+7/hieVWv6fidpRRRWhAUUUUAY+tf8hbw9/2EX/9JbitisfWv+Qt4e/7CL/+ktxWxUx3ZT2QUUVx91q/iCLxzpFrcCGz027mnjW3XEkkqohIdm/hycEKOfU9qJSSaQJXTOwoorjN2tat4m1i3tvEzabDaTpFDAtrC+QY1YnLDJ5JolKztYErnZ0Vy+vX+q2smjaFpt2v9o3+4SX8kSnYkagu+zpuPGB05qLT7rWrLxJN4f1XVBeG5s2ubS++zpG8ZB2spUfKcZBHH1qfaK9rf1uPl0udbRXAeIo/FGjxWcdr4umuL2+uUt4IWsIADk/MxwvQLkmtDUpdXu/GMum2niFtLghsopcC3ifzHZnB++P9kdKXtOlutuna/wCQcnn/AFex19FVdOt7m1sI4b69a+nXO64aNUL88fKvAwOPwq1WpJj61/yFvD3/AGEX/wDSW4rYrH1r/kLeHv8AsIv/AOktxWxUx3Y3sgoooqiQorF8Va4+gaIbm2hE91LKlvbRMcB5HOFz7d/wrIvLLxlpunyakniCC9nhQyvYNZIkTgDJRWHzD2JNZyqJX023LUW/mdjRXGa14gvNQ0Pw5c6Fetp/9r3cUbSCJJGRWRiRhgRkEfpVu9i1rQfC+sXlxr0moTx2ryQM9rFH5TKpOcKOe3X0odRLmdtF/lcFG9l3/wCGOoormfD9hrskVjqF/wCJZruGWFZXtjZwoG3LnG5VB4J/SumrRX6onToFFFFAjH1r/kLeHv8AsIv/AOktxWxWPrX/ACFvD3/YRf8A9JbitipjuynsjHuf+R20z/sHXn/oy2rYrBnmuX8V2F0uia/5Mdlcxu39h3nDM8BUY8rPRG59vcVpfb5P+gN4g/8ABDe//GqzVWnd+8vvKcJaaFyiqf2+T/oDeIP/AAQ3v/xqj7fJ/wBAbxB/4Ib3/wCNVXtaf8y+8XJLsXKKp/b5P+gN4g/8EN7/APGqPt8n/QG8Qf8Aghvf/jVHtaf8y+8OSXYuUVT+3yf9AbxB/wCCG9/+NUfb5P8AoDeIP/BDe/8Axqj2tP8AmX3hyS7Fyiqf2+T/AKA3iD/wQ3v/AMao+3yf9AbxB/4Ib3/41R7Wn/MvvDkl2LlFU/t8n/QG8Qf+CG9/+NUfb5P+gN4g/wDBDe//ABqj2tP+ZfeHJLsU7n/kdtM/7B15/wCjLatisGea5fxXYXS6Jr/kx2VzG7f2HecMzwFRjys9Ebn29xWl9vk/6A3iD/wQ3v8A8aqVVp3fvL7xuEtNC5RVP7fJ/wBAbxB/4Ib3/wCNUfb5P+gN4g/8EN7/APGqr2tP+ZfeLkl2LlU9V0qy1vTpLHU4fOtpCCyB2XODkcqQeoo+3yf9AbxB/wCCG9/+NUfb5P8AoDeIP/BDe/8Axqk6lJqzaGozWqTMy18E6BZrOsVk7JcRGGVJrmWVWUkHGHYjsOetPsvB2haffQXltZN9ptyfKmknkkdQV24yzHjBPHQVofb5P+gN4g/8EN7/APGqPt8n/QG8Qf8Aghvf/jVLnorqvwDlqeYtrplpZ3V3c20OyW9cSTtuJ3sBtBwTxwO1Vj4c0pvD39hm1/4l23b5HmN03bvvZ3dferH2+T/oDeIP/BDe/wDxqj7fJ/0BvEH/AIIb3/41T9pS2uvwDlnvZmB4g8MLrvizS5L2xW502G1nSUswGxjt2453A8HkdK29H0LTdBtXg0m1W3R2LudxZnb1LMST+JqT7fJ/0BvEH/ghvf8A41R9vk/6A3iD/wAEN7/8aqYypRd01+AOM2rWLlFU/t8n/QG8Qf8Aghvf/jVH2+T/AKA3iD/wQ3v/AMaq/a0/5l94uSXYuUVT+3yf9AbxB/4Ib3/41R9vk/6A3iD/AMEN7/8AGqPa0/5l94ckuxT1r/kLeHv+wi//AKS3FbFYOqzXM+paLJFomvlbe9aSQ/2HeDCm3mXPMXPLLwPX2NaX2+T/AKA3iD/wQ3v/AMaqVVp3fvL7xuEtNC5XnniXxboUfjzQC+pRAafNcrdcH90THtwePXiu3+3yf9AbxB/4Ib3/AONUfb5P+gN4g/8ABDe//GqU5wla0l/XzHGMle6ZVbxJYjVNLso/NmOqRPLbyxrmMqoDZJ7ZB44rm/Emo+A5Zr2DVrW1m1JgY2QWRNy7YwAp27iemCDj3xXXfb5P+gN4g/8ABDe//GqPt8n/AEBvEH/ghvf/AI1SnKElbmX9fMcVKLvZnAwi/wBB0/wfrPiET7bKKaC9dlLvAsi/IzgDPAUA+la+mX8Xib4gJqulbpdNsLFoPtWwqskruCVXI5wF5I9a6f7fJ/0BvEH/AIIb3/41R9vk/wCgN4g/8EN7/wDGqFKnzX5lbf8AALSta39XOc03/iofiBeakw3WWiqbO1zyDO3Mrj3AwtP8San4Jh1B4vE8Vi12kYGbmzLuV6gK20569j1966D7fJ/0BvEH/ghvf/jVH2+T/oDeIP8AwQ3v/wAapc0OXl5l/XzC0r3szB+HlvdW3hl1uI54bdrqVrKG4yHjtyfkBB5Hfr2rqqp/b5P+gN4g/wDBDe//ABqj7fJ/0BvEH/ghvf8A41WiqU0kuZaeZLjNu9inrX/IW8Pf9hF//SW4rYrB1Wa5n1LRZItE18rb3rSSH+w7wYU28y55i55ZeB6+xrS+3yf9AbxB/wCCG9/+NUlVp3fvL7wcJaaFyiqf2+T/AKA3iD/wQ3v/AMao+3yf9AbxB/4Ib3/41Ve1p/zL7xckuxiePLC6u9Ct7qwga5uNNvIr1YU+84Q8gDucE8VS1D4gaPfaRPbaK019qc8TRxWKW7+YHIx8wIG0DPJJ6V1H2+T/AKA3iD/wQ3v/AMao+3yf9AbxB/4Ib3/41WUpQd1zqz/4YtKSs+XY4fW9AS08N+DdEvgXVL6GGYI5XJ2NuwwII5z0rX1rw/p2g+BtfXS4pIhNZSF988kucIcffY469q6H7fJ/0BvEH/ghvf8A41R9vk/6A3iD/wAEN7/8aol7JqXvLX/JII86cdHp/ncw/CvhTSLCx07UrWCZbo2yMXa6lYZZBn5SxXv6V1FU/t8n/QG8Qf8Aghvf/jVH2+T/AKA3iD/wQ3v/AMarX2lJbNIjkn1TLlFU/t8n/QG8Qf8Aghvf/jVH2+T/AKA3iD/wQ3v/AMao9rT/AJl94ckuxT1r/kLeHv8AsIv/AOktxWxWDqs1zPqWiyRaJr5W3vWkkP8AYd4MKbeZc8xc8svA9fY1pfb5P+gN4g/8EN7/APGqlVad37y+8bhLTQ9qb/j+i/65v/Namoorwz0QooooAKKKKACiiigAooooAKKKKAIW/wCP6L/rm/8ANamoooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAIZ/9dbf9dD/6A1TUUUAFFFFABRRRQAUUUUAFFFFABRRRQBDP/rrb/rof/QGqaiigAooooAKKKKACiiigAooooAKKKKAIZ/8AXW3/AF0P/oDVNRRQB//Z) ![Table

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAkACQAAD/4RD4RXhpZgAATU0AKgAAAAgABAE7AAIAAAAPAAAISodpAAQAAAABAAAIWpydAAEAAAAeAAAQ0uocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEFiaGlqaXRoIFNoYWppAAAABZADAAIAAAAUAAAQqJAEAAIAAAAUAAAQvJKRAAIAAAADNDYAAJKSAAIAAAADNDYAAOocAAcAAAgMAAAInAAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADIwMjE6MDU6MDYgMjI6MjI6MTIAMjAyMTowNTowNiAyMjoyMjoxMgAAAEEAYgBoAGkAagBpAHQAaAAgAFMAaABhAGoAaQAAAP/hCyFodHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLjAvADw/eHBhY2tldCBiZWdpbj0n77u/JyBpZD0nVzVNME1wQ2VoaUh6cmVTek5UY3prYzlkJz8+DQo8eDp4bXBtZXRhIHhtbG5zOng9ImFkb2JlOm5zOm1ldGEvIj48cmRmOlJERiB4bWxuczpyZGY9Imh0dHA6Ly93d3cudzMub3JnLzE5OTkvMDIvMjItcmRmLXN5bnRheC1ucyMiPjxyZGY6RGVzY3JpcHRpb24gcmRmOmFib3V0PSJ1dWlkOmZhZjViZGQ1LWJhM2QtMTFkYS1hZDMxLWQzM2Q3NTE4MmYxYiIgeG1sbnM6ZGM9Imh0dHA6Ly9wdXJsLm9yZy9kYy9lbGVtZW50cy8xLjEvIi8+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczp4bXA9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8iPjx4bXA6Q3JlYXRlRGF0ZT4yMDIxLTA1LTA2VDIyOjIyOjEyLjQ1OTwveG1wOkNyZWF0ZURhdGU+PC9yZGY6RGVzY3JpcHRpb24+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iPjxkYzpjcmVhdG9yPjxyZGY6U2VxIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpsaT5BYmhpaml0aCBTaGFqaTwvcmRmOmxpPjwvcmRmOlNlcT4NCgkJCTwvZGM6Y3JlYXRvcj48L3JkZjpEZXNjcmlwdGlvbj48L3JkZjpSREY+PC94OnhtcG1ldGE+DQogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgIDw/eHBhY2tldCBlbmQ9J3cnPz7/2wBDAAcFBQYFBAcGBQYIBwcIChELCgkJChUPEAwRGBUaGRgVGBcbHichGx0lHRcYIi4iJSgpKywrGiAvMy8qMicqKyr/2wBDAQcICAoJChQLCxQqHBgcKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKir/wAARCAGkAa4DASIAAhEBAxEB/8QAHwAAAQUBAQEBAQEAAAAAAAAAAAECAwQFBgcICQoL/8QAtRAAAgEDAwIEAwUFBAQAAAF9AQIDAAQRBRIhMUEGE1FhByJxFDKBkaEII0KxwRVS0fAkM2JyggkKFhcYGRolJicoKSo0NTY3ODk6Q0RFRkdISUpTVFVWV1hZWmNkZWZnaGlqc3R1dnd4eXqDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uHi4+Tl5ufo6erx8vP09fb3+Pn6/8QAHwEAAwEBAQEBAQEBAQAAAAAAAAECAwQFBgcICQoL/8QAtREAAgECBAQDBAcFBAQAAQJ3AAECAxEEBSExBhJBUQdhcRMiMoEIFEKRobHBCSMzUvAVYnLRChYkNOEl8RcYGRomJygpKjU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6goOEhYaHiImKkpOUlZaXmJmaoqOkpaanqKmqsrO0tba3uLm6wsPExcbHyMnK0tPU1dbX2Nna4uPk5ebn6Onq8vP09fb3+Pn6/9oADAMBAAIRAxEAPwDvovid4hfXLqzXwvpnmxW0MrE61Jt2u0oGD9m65Rs8enXtc/4WJ4m/6FfSf/B3L/8AItcla/8AI86p/wBg2z/9G3NbNfLzzPEJ6W6dPI4HXmjU/wCFieJv+hX0n/wdy/8AyLR/wsTxN/0K+k/+DuX/AORay6Kn+1MT3X3C+sTNT/hYnib/AKFfSf8Awdy//ItH/CxPE3/Qr6T/AODuX/5FrLoo/tTE919wfWJmp/wsTxN/0K+k/wDg7l/+RaP+FieJv+hX0n/wdy//ACLWXRR/amJ7r7g+sTNT/hYnib/oV9J/8Hcv/wAi0f8ACxPE3/Qr6T/4O5f/AJFrLoo/tTE919wfWJmp/wALE8Tf9CvpP/g7l/8AkWj/AIWJ4m/6FfSf/B3L/wDItZdFH9qYnuvuD6xMsRfE7xC+uXVmvhfTPNitoZWJ1qTbtdpQMH7N1yjZ49Ova5/wsTxN/wBCvpP/AIO5f/kWuStf+R51T/sG2f8A6Nua2aqeZ4hPS3Tp5DdeaNT/AIWJ4m/6FfSf/B3L/wDItH/CxPE3/Qr6T/4O5f8A5FrLoqf7UxPdfcL6xM1P+FieJv8AoV9J/wDB3L/8i0f8LE8Tf9CvpP8A4O5f/kWsuij+1MT3X3B9Yman/CxPE3/Qr6T/AODuX/5Fo/4WJ4m/6FfSf/B3L/8AItZdFH9qYnuvuD6xM1P+FieJv+hX0n/wdy//ACLR/wALE8Tf9CvpP/g7l/8AkWsuij+1MT3X3B9Yman/AAsTxN/0K+k/+DuX/wCRaP8AhYnib/oV9J/8Hcv/AMi1l0Uf2pie6+4PrEzU/wCFieJv+hX0n/wdy/8AyLR/wsTxN/0K+k/+DuX/AORay6KP7UxPdfcH1iZqf8LE8Tf9CvpP/g7l/wDkWj/hYnib/oV9J/8AB3L/APItZdFH9qYnuvuD6xMsS/E7xCmuWtm3hfTPNltppVI1qTbtRogcn7N1y6449ene5/wsTxN/0K+k/wDg7l/+Ra5K6/5HnS/+wbef+jbatmqlmeISW33ebG68zU/4WJ4m/wChX0n/AMHcv/yLR/wsTxN/0K+k/wDg7l/+Ray6Kn+1MT3X3C+sTNT/AIWJ4m/6FfSf/B3L/wDItH/CxPE3/Qr6T/4O5f8A5FrLoo/tTE919wfWJmp/wsTxN/0K+k/+DuX/AORaP+FieJv+hX0n/wAHcv8A8i1l0Uf2pie6+4PrEzU/4WJ4m/6FfSf/AAdy/wDyLR/wsTxN/wBCvpP/AIO5f/kWsuij+1MT3X3B9Yman/CxPE3/AEK+k/8Ag7l/+RaP+FieJv8AoV9J/wDB3L/8i1l0Uf2pie6+4PrEyxL8TvEKa5a2beF9M82W2mlUjWpNu1GiByfs3XLrjj16d7n/AAsTxN/0K+k/+DuX/wCRa5K6/wCR50v/ALBt5/6Ntq2aqWZ4hJbfd5sbrzNT/hYnib/oV9J/8Hcv/wAi0f8ACxPE3/Qr6T/4O5f/AJFrLoqf7UxPdfcL6xM1P+FieJv+hX0n/wAHcv8A8i0f8LE8Tf8AQr6T/wCDuX/5FrLoo/tTE919wfWJmp/wsTxN/wBCvpP/AIO5f/kWj/hYnib/AKFfSf8Awdy//ItZdFH9qYnuvuD6xM1P+FieJv8AoV9J/wDB3L/8i0f8LE8Tf9CvpP8A4O5f/kWsuij+1MT3X3B9Yman/CxPE3/Qr6T/AODuX/5Fo/4WJ4m/6FfSf/B3L/8AItZdFH9qYnuvuD6xM1P+FieJv+hX0n/wdy//ACLVOx+J3iG4vNRij8L6ZutrkRSbtakA3GKN+P8ARuRhx6c5+pr1jaJ/yGPEf/YST/0kt6qOZ4hp7fd5oarzC1/5HnVP+wbZ/wDo25rZrGtf+R51T/sG2f8A6Nua2a82p8XyX5GEtwooorMkKKKKACiiigAooooAKKKKAMa1/wCR51T/ALBtn/6Nua5/VtW8baXqenWvmaA/9o3BgiPkTfJhS2T8/oO1dBa/8jzqn/YNs/8A0bc1m+Lf+Rl8J/8AYRb/ANFPXZTt7RJq+i/I1W79P0NqzuLyy0lp/E1zYRyRkmSaDMcKr2zvJx+dT2Wp2GpW7XGnXttdwqcNJBKrqD7kHFch8Q/NOp+HEkmtYLFrtxJJexGSES7P3W9dy5/ixk9cVJpOlfZvEWpXsmr6ZPcy2Gya10+38rIBysjje3PUA+lS6cXT9o3q7hyKyff/ADsdKmvaRLcQW8Wq2TzXCh4Y1uELSqehUZyRweRUttqmn3l1NbWl9bT3EH+tiimVnj/3gDkfjXlh0HSx8CrO7WyhW5PkSmcLiTcZlUnd16HHXpXTalpOn6N488IjSbKCzDG5hbyUC70EOQDjrzzzWssPTTaTf2l/4Cri5U1def4HVXOt6VZLI15qdnbrG/luZbhFCPgHacng4IOPQ1aE8Jt/tAlQw7d/mbht24znPTGO9eeaa3hn/hYHiweIDp/2gSxlBfbceX5S7tu/j649s9qyG85PhLa+S4j0o6z964RmRbMzHaWXIJTO0kZ5FL6qnZXevL+K6FezVz1Kw1jTdV3/ANl6jaXvl/f+zzrJt+u0nFNXW9Ke5jtk1OzaeVmWOIXClnKnDADOSQQQfTFctpukgeL9Nvpta0Zp4oJFS30+18p54yBwf3jZVTgjjik+Hukaf9n1TUGsoGvG1e5zOyAuMOQME9OPT1NRKlTScrvb+v6+RLjFK/8AXU6ptb0pdRGntqdmL0nAtjcJ5hPptzmsvWfGem6J4j0/Sru4tY/tQkaaWW6VPswVQV3A/wB7OBkjp3rzrxNrB1DwPeXmn6boOmWTXBMatNi8MqyffChQA5xnBOcZrsvFLWsHjnwnc35hjgP2pHlmwFyYxtBJ+hxWqw0Ytc3Xm080rlumouz8/wADrob60uJvKguoZZPLWXYkgJ2N91sDscHB70z+0rHybib7bb+VasVuH81dsJAyQxz8pAPeuWj1OwsfibePdXcFvDc6TA0EkkiqkgV3ztJ4PBHSsG2uob3wB4/ubWQSwS3t08bjoymJMEe1ZLD316afi7Eqnd29PxR6PbanYXtxLBZ31tcTQ482OKVWaPPTIByPxqO01vSr+6e2sNTs7mePO+KG4V2X6gHIrkdZ0qHSfhDcnQLOK2mOnx73hTDsnBkyRyflLHrVa00iG5n0C4XXdAjit50ksxY2XlSSDHManzTwRnIxVKhTabv1t/VhKMXHmOsuv+R50v8A7Bt5/wCjbatmsa6/5HnS/wDsG3n/AKNtq2a5p/DH0/VkPZBRRRWYgooooAKK8x0yTR9Rvr9NY8ZajZ339o3Ea2y6u0IVRIQoC544xgV6aOBW1Wl7O3+Rc48rsLRRRWJAUUUUAY11/wAjzpf/AGDbz/0bbVs1jXX/ACPOl/8AYNvP/RttWzWk/hj6fqxvZBRRRWYgorH8WTS23g3WJreR4pY7KVkkjYqykIcEEdDVjRJi/hrT57iQsxtI3kkkbknYCSSf51fJ7nOO2if9dP8AM0KK5L/hY2lhBdNY6oull9g1Q2v+jHnG7Od23PGduK3E1u2fxE2jBZBcC1F0rkDY6FtvBzkkHrx3FVKjUjuhuLW5o0Vh2Hi3TdQ0zVL+HzUh0uSSOfzFAJ2DJZeeVI6HjNalheLqGnW94kUkS3ESyLHKAGUEZAIBIz+NTKEo7oTTW5YoooqBBWNon/IY8R/9hJP/AEkt62axtE/5DHiP/sJJ/wCklvWkPhl6fqilswtf+R51T/sG2f8A6Nua2a5zR7qa78ZarJcWFxYsLCzUR3DRliPMuef3bsMfjnjpXR06qtK3kvyQS3CiiisiQooooAKK5nw9d3E3jPxTBNPLJFBNbiKN3JWMGLJ2jtk88V01XOHI7eSf3q42rOwUUUVAgooooAxrX/kedU/7Btn/AOjbmtOa1t7iSGSeCKV4G3xM6AmNsYypPQ44yK5+a+uLPxzqH2bS7vUN+m2m77M0Q2YluevmOvXPbPTtV3+29Q/6FfVv+/tp/wDH63lGTaa7LquxbTNS4toLy3e3u4Y54ZBh45UDKw9CDwahstL0/TYGh06xtrSJzlo4IVRW+oAqj/beof8AQr6t/wB/bT/4/R/beof9Cvq3/f20/wDj9TySta/4r/MVmX/7MsP7PWw+xW/2NQALfyl8sYOR8uMcHmpJbS3muIZ5oIpJoCTDI6AtGSMHaeoyOOKzP7b1D/oV9W/7+2n/AMfo/tvUP+hX1b/v7af/AB+jln3/ABX+YWZStPCMD6zrdzrVpY31vfXKTQRyxCTZtjCnIYYB47Z4rozFGYTCY1MRXaUK/LjpjHpWT/beof8AQr6t/wB/bT/4/R/beof9Cvq3/f20/wDj9VJTnu1969O43du5csNG0zSmc6Zp1pZGT75t4Fj3fXAGant7S3s0ZLSCKBXcyMsSBQzE5LHHcnvWZ/beof8AQr6t/wB/bT/4/R/beof9Cvq3/f20/wDj9Jxm93+K/wAxWbLEnh7RZbiaeXSLB5rgETSNbIWkB6hjjJ6DrVi906y1K3FvqNnb3cIIYRzxK6gjvgjFZ/8Abeof9Cvq3/f20/8Aj9H9t6h/0K+rf9/bT/4/Ryz7/iv8wsy5d6Npl+kKX2nWlysH+qWaBXEf+7kcfhT/AOzbHyLiD7Fb+VckmePyl2ykjBLDHzZAA59Kof23qH/Qr6t/39tP/j9H9t6h/wBCvq3/AH9tP/j9HLPa/wCK/wAwszXRFjjVI1CIoAVVGAB6AVStND0mwumurHS7K2uHzulht0R2z1yQM1V/tvUP+hX1b/v7af8Ax+j+29Q/6FfVv+/tp/8AH6XLNbP8V/mFnsF1/wAjzpf/AGDbz/0bbVs1yFxrF8fGWnSHw5qYZbC7URmS13MDJb5I/fYwMDOTn5hgHnGt/beof9Cvq3/f20/+P1cqbtHbbuu7G4uyNmisb+29Q/6FfVv+/tp/8fo/tvUP+hX1b/v7af8Ax+s/Zy8vvQuVmzRWN/beof8AQr6t/wB/bT/4/R/beof9Cvq3/f20/wDj9Hs5eX3oOVnPeKNZk1/Qr3Q7bwtrE13coYo/tFoEhjbs5kJ28dQQT2rr9KtZbLR7O1uJPNlggSN5Mk7mCgE8/SqP9t6h/wBCvq3/AH9tP/j9H9t6h/0K+rf9/bT/AOP1tK7hyJJLfdf5jlrobNFY39t6h/0K+rf9/bT/AOP0f23qH/Qr6t/39tP/AI/WPs5eX3oXKzZorG/tvUP+hX1b/v7af/H6P7b1D/oV9W/7+2n/AMfo9nLy+9BysLr/AJHnS/8AsG3n/o22rZrkLjWL4+MtOkPhzUwy2F2ojMlruYGS3yR++xgYGcnPzDAPONb+29Q/6FfVv+/tp/8AH60lTdo7bd13Y3F2Rs0Vjf23qH/Qr6t/39tP/j9H9t6h/wBCvq3/AH9tP/j9Z+zl5fehcrF8WQy3Pg3WIbeN5ZZLKVUjjUszEocAAdTWDp+rHVvDUfh0aVrNncTaebXz7mwkjiRvKIyXI4GRW7/beof9Cvq3/f20/wDj9H9t6h/0K+rf9/bT/wCP1tG6hytL70Um0l5f8D/I46a+1S68AjwmnhnU01M2i2LM8IFsmFCmTzc7SuBkY5/nWt4lsL7RrXRdU0u2mvrvTYmtJEgjLvIjx7QcDnh1Q+3Nbf8Abeof9Cvq3/f20/8Aj9H9t6h/0K+rf9/bT/4/WjqSbukt23qtb79Rp2tZf0zkL7w7d2EttolpbTyWmrWltb3c8cRZIzE/7wuw6F0YjJ7ivRwAqgKMADAA7Vj/ANt6h/0K+rf9/bT/AOP0f23qH/Qr6t/39tP/AI/WdSU6iV7feiXd2Nmisb+29Q/6FfVv+/tp/wDH6P7b1D/oV9W/7+2n/wAfrH2cvL70LlZs1jaJ/wAhjxH/ANhJP/SS3o/tvUP+hX1b/v7af/H6g8MTyXN94glmtZrR21JcwzFCy/6LAOdjMvvwT1q1FqMr9u67odrJk9r/AMjzqn/YNs//AEbc1s1jWv8AyPOqf9g2z/8ARtzWzUVPi+S/IUtwooorMkKKKKAOZ8PWlxD4z8UzzQSxxTzW5ikdCFkAiwdp74PHFdNRRVznzu/kl9ysNu7uFFFFQIKKKKAMa1/5HnVP+wbZ/wDo25rZrGtf+R51T/sG2f8A6Nua2a0qfF8l+RUtwoorJ1zXP7Gm0uP7P539oXqWmd+3y9wJ3dDnp04+tTGLk7ISVzWorJ17XP7E/s3/AEfz/t1/HZ/f27N+fm6HOMdOPrWtQ4tJS7g00FFFFSIKKKp6bc3t1bu+o2H2GRZWVY/OEm5AflfI6ZHOO1O2lwLlFYer61cWHifQdOhSJodSkmWZnB3KEjLDbzgc+oNTy6tcWdvq11qWntBaWCtJFIkqyNcRqm4sF42ngjBNX7OVk+/+diuV6eZq0VXsLyPUdNtr2AMsdzEsqBxhgGGRnHfmrFQ007MkKKKKQGNdf8jzpf8A2Dbz/wBG21bNY11/yPOl/wDYNvP/AEbbVs1pP4Y+n6sb2QUUUVmIKKKKACiiigAooooAKKKKAMa6/wCR50v/ALBt5/6Ntq2axrr/AJHnS/8AsG3n/o22rZrSfwx9P1Y3sgooorMQUUUUAFFFFABRRRQAUUUUAFY2if8AIY8R/wDYST/0kt62axtE/wCQx4j/AOwkn/pJb1pD4Zen6opbMLX/AJHnVP8AsG2f/o25rZrGtf8AkedU/wCwbZ/+jbmtmip8XyX5BLcKKKKzJCqWr6vY6FpkuoarP5FrFjfJsZsZIA4UE9SKu1yfxL/5EW5/672//o5K0pRU6kYvq0iopN2ZvSaxYR6GdYa4X7AIftBnVSw8vGc4Az09quRyLLEkkZyjqGU46g15jqrHw1ovifwrMcWktjNeaUxHHlkEyRf8BY5A9DXo+nf8gu1/64p/6CK0q0lCPMtnt6DlHl/H9P8AMs0UUVzkBRRRQBjWv/I86p/2DbP/ANG3NbNY1r/yPOqf9g2z/wDRtzWzWlT4vkvyKluFcb8Q47ib/hHY7OdbadtYiEczR7wh2Pg7cjP0zXZVUvtLs9Se1e9h8xrScXEJ3EbJACAeDz1PB4p0pqE1J9Ai7P7/AMjhPEuna9aXnh2TV9eh1GA61bgRJYCEhvm+bcHPvx71u2bqPitqiE/MdKtyB6gSSZ/mK3r/AEuz1P7N9uh837LOtxD8xXbIucNweep4PFUtZ8K6L4guIZ9WshNLCCqSLI8bBT1BKkZHseK3VeMoqMvPZLr9xTkmrPt+tzilkSXwP8Q3idXQ313hlOQf3aUzU/CtjZWvhe+sp7y3vr66htrq8juXE0ySRksC2f8AZGMdO2K7qHwvo1tpV7ptvYpFZXxJnhRmVWyoU4wfl4AGBirM+j2NzDZRTwbksZUltxvYbHUEKevOAT1zVrEqL929v+BYp1N7ef47HKaRpdp4c+JzaboyNb2V1pRuJYPMZlMqyhQ/JPODg1gieRPBclsJ3t7e+8USW11Kj7CsTTHd8w6ZwBn3r0s6XZnWF1Uw/wCmrAbcS7jxGW3EYzjqOuM1W/4RvSP7JudMaxR7O6keWaFyWDOx3E8nIOeeOnbFKOIjdOWr0/Bhzq/3flY4668PaP4e+I3hOHRlNsJHuS9qs7Mv+pI37STgnpnvio7uyt7+H4iR3MCThGEiKy5w62wKke4NdXp3gnw9pV1BdWGmrHcW7Fo5jK7OCVK8sSSRgkAHIHatGDSLG2uL6aK3AfUGDXO4lhIQu3kE4HHGBRLELo23a13/AIr9w9ok0+1vzf8AmcHNoVpp3w00zXdDsoIb2wit9SZokAM21B5gJHqpatnRZ4/Efjq71mBxJZadapaWzDkGSQCSRh9AUWtSz8O6f4b0m+Tw/puWljJFuZmIlYA4XLthRzjsOaj8D6AfDfg+x0+WNY7gJ5lwFIP7xuWGR1x0/CnOtGUZSvrfS++u/wB1rfMltcn9bb/n+Z0FFFFcBmY11/yPOl/9g28/9G21bNY11/yPOl/9g28/9G21bNaT+GPp+rG9kFFFFZiCuV8S6rfx+JdL0e11BdIhvI5Ha8aJXLspGIk3/KCQSeQfauqrg/GklpceKLOw8WOYfDRtjKGIKxy3IfAV3HIAXkDIz6npXRh4qVTXz/Lt19DSnuxIPF2oaZoPiO4uZ01caXOsNpdiMRi4dsDadvBKswBK4/Cpbi48T+GZNMvtY1qPUrW6uY7a7tvsiRiAyHAZGXkgNgfNnIrA+xT33hPxHp/hpp73RLUQTaZ5gZtzK2+SONiMsvygDryeCa1dZ8SWHjRdL0jw80l1cPfQzXS+Uy/ZY423MXJGAcjGO5ru9mubSOl9dNlZfd1+Zo1vp3/L+vmehUUUV5JzhRRRQBjXX/I86X/2Dbz/ANG21bNY11/yPOl/9g28/wDRttWzWk/hj6fqxvZBRRRWYjnvFOqXmm3WgpZTeWt3qkdvMNoO+MqxI5HHQcjmjxbql5ph0T7DN5X2rVobeb5Q26Ng2V5HHQcjms74h2kN/wD8I7aXSs0M2sRI4VypIKP3BBH4Vl+JfCej6FeeHbrTLeaOZtat4yXupZBtO49HYjsOa76MKbUObfXobJR09H+p10V5/wAVbd2r6sHVLRJfsBt9vlAsR5nmd84xjtiqR+IPhr7XFbpfySSTMVh8q0mdZSOuxlQhh7gkVk6kceOvEZ8t5f8Ainl+RDhm+aTgH1rB0HWF1CPwvaatqVjaWdg0T27LbXCNcyBCqLudFRevOGbPbrThh4zXM77Lb0fkHIrN/wBbJm7aeMdP0XxR4mi17VXRI7qPyIW3ylE8pSSqKCQuepxiu2tLy3v7OK7spkngmUNHIhyGFcv4WijPjPxhJsXebuFS2OSPJXjPpzTvhlx4AsgOiy3AA9B5z8VnWhDl5lulH8Y/8AU0tWu/+f8AkdZRRRXGZBWNon/IY8R/9hJP/SS3rZrG0T/kMeI/+wkn/pJb1pD4Zen6opbMhsZZj42vTdWF5YvPp8ASO7hMbkRyS5OD2PmjB9m9K36oXv8AyOGn/wDYFP8A6VSVfrbExiprl6pfkTr1CiiiuUArJ8TaH/wkWhS6b9o+zeY8b+Zs342uGxjI64x1rWoqoycZKS3Q07HOeNPCEPjDR1tHuGs7iJt0Nyq7imRhhjIyCpIIzW9bw/Z7WKHdu8tAmcYzgYqWim5ycVBvRA22kn0CiiioEFFFFAHMzarb6Z451D7THdv5mm2m37NZyz4xLc9fLVsde+M/hV3/AISnT/8An31b/wAE93/8aotf+R51T/sG2f8A6Nua2a3m4X1XRdfL0LdjG/4SnT/+ffVv/BPd/wDxqj/hKdP/AOffVv8AwT3f/wAarZoqL0+z+/8A4AtDG/4SnT/+ffVv/BPd/wDxqj/hKdP/AOffVv8AwT3f/wAarZoovT7P7/8AgBoY3/CU6f8A8++rf+Ce7/8AjVH/AAlOn/8APvq3/gnu/wD41WzRRen2f3/8ANDG/wCEp0//AJ99W/8ABPd//GqP+Ep0/wD599W/8E93/wDGq2aKL0+z+/8A4AaGN/wlOn/8++rf+Ce7/wDjVH/CU6f/AM++rf8Agnu//jVbNFF6fZ/f/wAANDG/4SnT/wDn31b/AME93/8AGqP+Ep0//n31b/wT3f8A8arZoovT7P7/APgBoY3/AAlOn/8APvq3/gnu/wD41R/wlOn/APPvq3/gnu//AI1WzRRen2f3/wDADQ5C48SWJ8ZadMINT2rYXakHSroNkyW5GF8vJHynJAwOM9RnW/4SnT/+ffVv/BPd/wDxqi6/5HnS/wDsG3n/AKNtq2a0k4Wjo9u/m/IbtZGN/wAJTp//AD76t/4J7v8A+NUf8JTp/wDz76t/4J7v/wCNVs0Vnen2f3/8AWhjf8JTp/8Az76t/wCCe7/+NUf8JTp//Pvq3/gnu/8A41WzRRen2f3/APADQxv+Ep0//n31b/wT3f8A8ao/4SnT/wDn31b/AME93/8AGq2aKL0+z+//AIAaGN/wlOn/APPvq3/gnu//AI1R/wAJTp//AD76t/4J7v8A+NVs0UXp9n9//ADQxv8AhKdP/wCffVv/AAT3f/xqj/hKdP8A+ffVv/BPd/8Axqtmii9Ps/v/AOAGhyFx4ksT4y06YQantWwu1IOlXQbJktyML5eSPlOSBgcZ6jOt/wAJTp//AD76t/4J7v8A+NUXX/I86X/2Dbz/ANG21bNaScLR0e3fzfkN2sjG/wCEp0//AJ99W/8ABPd//GqP+Ep0/wD599W/8E93/wDGq2aKzvT7P7/+ALQxv+Ep0/8A599W/wDBPd//ABqj/hKdP/599W/8E93/APGq2aKL0+z+/wD4AaHNatq+k6zo93p11DrKw3UTRO0ekXYYAjGR+6rnTDJe2ltp+t6xql3psDIzQQ+GLmF5thBVWfaRjIGdoGfavR6K1hWUFaK/L/IalZWMb/hKdP8A+ffVv/BPd/8Axqj/AISnT/8An31b/wAE93/8arZorK9Ps/v/AOALQxv+Ep0//n31b/wT3f8A8ao/4SnT/wDn31b/AME93/8AGq2aKL0+z+//AIAaGN/wlOn/APPvq3/gnu//AI1UHhi6jvb7xBcQrMqPqS4E0LxNxawDlXAYdO4roKxtE/5DHiP/ALCSf+klvVpx5ZWXT9V5D0s7Fq9/5HDT/wDsCn/0qkq/VC9/5HDT/wDsCn/0qkq/WmK+KP8AhX5GfUKKKK5BhTXbZGzdcDNOpk3+ok/3T/Kga3OGtviHqZ0OHXr7ww0WjPy9zBfLK8a7tu4x7VJGfSu6R1dFdCGVhkEdxXlvhjR/EfiL4c2GlG406z0a4jKyTR73uWj3klcEBQTyM5PFeoxRrDCkcYwqKFUewrsxUKcJOMdGm9r7dL+ZdSyeg+iiiuMzCiiigDGtf+R51T/sG2f/AKNuaqX3jaytNQuLWHTtUvxaMEup7O1MkcDdcE5BJAIJ2g4q3a/8jzqn/YNs/wD0bc1iajpWt+F73Uta8NTW93aXLtdXemXeVO7HzNHIOhIA4PH6V1RjCU7S7K33I1STduuh2MMyXEEc0Lbo5FDqcYyCMiiV/Lhd9rPtUnagyTjsB61w8urTeMtc0qws7670zT7jS/7SkNs/lzSEsFEe8cgA9cdam0ae90rxRrHh6TULq/tYrFLu3lun3ywk5BQv1PIyM9KUqDSd3rvb52Eofp+P/DmtceKfJi0OT+zriL+1rkQeVdfupIMqxyy88/L0z361q6nqEWlaVdahcK7RWsTSusYBYhRk4zjnivPLW5nvPDfw+uLuaSeaS/UvLK5ZmOyTkk8muy8Z/wDIja3/ANeM3/oBqqtKMJKPm1+I1FOUV3/zZL4c8RWXijSBqGnLKib2jeOdQrxsOoIBPseveq8/jDToPGFv4b2XEl5OpPmIgMcZ2F9rNnIO0ZwAeormNGvYfCWqQTXbeXp2r6RHdbj0WeCIbwPqmD7kVW06zmi8ReEdRvl232rXd5ezg/w7oPkT6KgUVr9XgpyfSzt62f5WYKKs35afdf8ADY9Oqnqeof2ZaCf7JdXeZFTy7SLzHG443Yz0HUn0rkrKzu/GGq6zPd61qdhDY3z2Vtb2FwYQoQDLtj7xJORngD61mya/qs/w0eWe9l+22mqpZNdxHyzMqzqu7j1BwfXmso4e8kr9Vf5i5Lf1/XY9LqpcapZ2upWlhPNsub3f5Ee0nfsGW5AwMA964/xQbq11+5u9cn1mHQxCn2e40qdlW2I++0qp8x7EEhhio/EumW2pePvCsi3t75d3FckPBeOnAjUhk2kbc55IxnvShQTtzPRp/gr/APDhyLr2O/ormdPnmj+Id/YG5me3h0y3aOKSUsAd7gtyepwMnqawzqV9/wAIj47m+23Hm2t7dLbv5rboQI1ICnPygE9qlUW3v2/F2BQbdvT8T0KiuDuTfeFfAF5r/wDa1/qOoS2kTE3UgaNHYgblj6Ljd09uah0+28Q22q6ZLZW3iE/vlW+bU72GWGSI/ebaJDtYcEbQPSr+rrV8y7fMXKnHmudTdf8AI86X/wBg28/9G21bNY11/wAjzpf/AGDbz/0bbVs1hP4Y+n6sl7IKKKKzEFFFc7rmt6jF4gsND0RLRbq6iedp7wMUREIGAqkFmOemRjFXCDm7IaVzoqK46HxpcWGl+IJNdggkuNEdUZrIsI5y4BQANkqckAjnGe9NGv8AifSbjTpvEtrpn2C/nS3ItDIJLZ3+5u3Ehhng4xWv1ef9ddL6fIrkZ2dFFFc5AUUUUAY11/yPOl/9g28/9G21bNY11/yPOl/9g28/9G21bNaT+GPp+rG9kFFFFZiCisPxFrVxpFxo0dskTC+1BLWXzAThGDEkYI5475o8Ta1caN/ZH2VIn+26lFaSeYCcI4bJGCOePf6VrGnKVrdSuV/r/X3G5RWbFd3TeI7i0eewNslukiQo5+0qxJBZl6bOOD65pkvijQILlrabXNNjnVtjRPdxhg3oRnOankk9EriszVorldO8TJDr3iGLXNTt7a0tLuOK2Nw6RBQYgxGTjPJJ5zXUI6yIrxsGVhlWU5BHrTnTlDfy/FXBppjqKKKzEFY2if8AIY8R/wDYST/0kt62axtE/wCQx4j/AOwkn/pJb1pD4Zen6opbMtXv/I4af/2BT/6VSVfrm7LxZp+ueIrXytKuba4Fq1qjteq6BQzS5K+UCTkkdR2rpK6sbBwnGL/lX+RmmnqgooorhKCkIDKQehGDS0UAVdN0200fTYbDTovJtoQRGm4ttGc9SSepq1RRTbbd2AUUUUgCiiigDGtf+R51T/sG2f8A6NuaoXfgOyuprj/iaaxDaXLl57GK8IhkLHLDBBYAknIBHWnTaxpmk+OdQ/tXUbSy83TbTy/tM6x78S3OcbiM4yPzq7/wmPhn/oYtJ/8AA6L/AOKrq/exd4J7L8jT3lsRal4Q07UI7LyHudNmsI/Ktriwl8uSOPAGzOCCvA4IP86k0fwvY6Kl2Ypbm5ub3/j4u7qXzJZMDAycYAA6AACl/wCEx8M/9DFpP/gdF/8AFUf8Jj4Z/wChi0n/AMDov/iqn9+48rvYXv2sQweD7C30/RbNJrkx6NKJbcllyxAI+b5eR8x6YrV1PT4tV0q60+4Z1iuomidoyAwDDBxnPPNUP+Ex8M/9DFpP/gdF/wDFUf8ACY+Gf+hi0n/wOi/+KpSVaTu0w966ZDrHg3Std0Ox0rUBK8Fi0bRMCAx2DGCcdCOv9KvXui21/q+m6jK8qy6a0jQqhAVt6bTuGPT0xVf/AITHwz/0MWk/+B0X/wAVR/wmPhn/AKGLSf8AwOi/+Kp/v+z6/juFpWsVL/wVZ3epXF7aajqelyXePtK2Fz5azHGNxBBwccZGD+NTy+ENKfw1DoUCSW1lDIkiiJhu3K4fJJBzkjmpP+Ex8M/9DFpP/gdF/wDFUf8ACY+Gf+hi0n/wOi/+Kp3r2S10/TYPfZFqnhVNWuLhp9X1WO2ugFms4rgCJxjBHKllBHUKRnmn6x4WstXgsUWe6sJNPbNrPZSBHiG3aVBIIwRx0p3/AAmPhn/oYtJ/8Dov/iqP+Ex8M/8AQxaT/wCB0X/xVJe2VrJ6eQe+V9R8HWt/eW95HqOpWV3DALdri0uNjzxjs5IOeec9cmktfBWmWegapo9u9ytrqbu8xMgZ1LKFO1iPbOTk5Jqz/wAJj4Z/6GLSf/A6L/4qj/hMfDP/AEMWk/8AgdF/8VTvXtbUd5l2TSrSfRTpVzH59o0HkOjn7yYxyRjnHcVmad4UTT5oGOsatdQ2xzDbz3I2L6Z2qCwHoxIqb/hMfDP/AEMWk/8AgdF/8VR/wmPhn/oYtJ/8Dov/AIqklWV7J6+RKUkrBdf8jzpf/YNvP/RttWzXIXHivw83jLTp117TDElhdo0gvI9qsZLcgE56kK2B7H0rW/4THwz/ANDFpP8A4HRf/FUSpztHR7fqxuLstDZorG/4THwz/wBDFpP/AIHRf/FUf8Jj4Z/6GLSf/A6L/wCKrP2VT+Vi5X2NmuE8XpDrfjPTtA1CddOto7c3sd6pCTPIG2+XE5+7xycZJGPrXRf8Jj4Z/wChi0n/AMDov/iqq32veC9ThEOparoN5EDkJcXMMig+uCa1oqdOfM4sqN10OGuopLfwj4o0LT5Y9Ss9KeC6S7jUb5PnEkiuy8M6heW6+tdF4u1vTtdsdG0/SLyG9uL7Ubd40gkDlUVt7OQOgAXmtq18R+D7G2FvY6zodtAvSKG6hRR+AOKhs9X8C6dcST6fqHh61ml/1kkE8CM/OeSDk810+0bkpODundetlv8Adcpvy7/j/VzpqKxv+Ex8M/8AQxaT/wCB0X/xVH/CY+Gf+hi0n/wOi/8Aiq4fZVP5WZ8r7GzRWN/wmPhn/oYtJ/8AA6L/AOKo/wCEx8M/9DFpP/gdF/8AFUeyqfysOV9guv8AkedL/wCwbef+jbatmuQuPFfh5vGWnTrr2mGJLC7RpBeR7VYyW5AJz1IVsD2PpWt/wmPhn/oYtJ/8Dov/AIqtJU52jo9v1Y3F2Whs0Vjf8Jj4Z/6GLSf/AAOi/wDiqP8AhMfDP/QxaT/4HRf/ABVZ+yqfysXK+xjfEO3N3/wjtus81sZNYiUTQMA6fI/KkgjP4Vl+JfD0mlXnh2d9d1bUA2tW6eVezI6D7xyAEHPHr3NdPP4m8I3TRG51vRJjC4kiMl3E2xx0YZPB56ii48TeEbryvtWt6JN5Mglj8y7hbY46MMngjPWuqnOpBRXK9PIu8rWt0t+f+ZiajIIfHfiOUs6BPD6sWjGWXDScgetc/wCHJLXWj4WsYLXSLN9MKSS3CX0Ekk2EIKKikvlictuAxjua67V9X8K6lYXyW/iTR7O9u7Y2/wBtju4vMUc453ZIBPTNcq5stR0/T9M1HWPBlna2kkbG5sr0NNhCCAgONhOME7j1PWuii3y2att+T1899i94/wBdkjc0LRNL1Hxx4un1Cwt7qUXMUQaaMPhTCuQM9M1f+GZJ+H9ipJIR5kXJ6KJnAH4AVci8TeEYJppYNb0SOSdg0rpdxAyEDALEHk445otfE3hGytxBZ63olvCpJEcV3Eqgk5PAOOSSa5pyqThy8r+z+CsRJyktupv0Vjf8Jj4Z/wChi0n/AMDov/iqP+Ex8M/9DFpP/gdF/wDFVzeyqfysjlfY2axtE/5DHiP/ALCSf+klvR/wmPhn/oYtJ/8AA6L/AOKqDwxeW2oX3iC5sLiG5t31JdksLh1bFrADgjg8girUJRjJtdP1Q7NJ3IdM0ixs/Gt4lvBsW2sreWIb2O1nedWPJ5yEUc+ldNWNa/8AI86p/wBg2z/9G3NbNKtKUpXk76L8iWktgooorEQVzPxCu7iy8GXE9nPLbyiaACSJyrAGVQeR6g4rpqwfGmkXOueEbyx0/b9qOySIOcBmRwwU/Xbj8a1otKrFy2uvzKh8SuHji4ntPAur3FrNJBNHasySRsVZT6gjkVrWDM+m2zOSzNEpJJyScCuK1rWtS8VeH5tDs/Deq2l5ep5M0l5B5cFuM4ZvMzhuM425zXcwRCC3jhUkiNQoJ74GKuceSmoy3uOWiS66/oSUUUVzkBRRRQBjWv8AyPOqf9g2z/8ARtzWzWNa/wDI86p/2DbP/wBG3NbNaVPi+S/IqW4UUUVmSFFVBqlm2sNpYm/01IBcNFtPEZbaDnGOo6ZzSS6rZQ6vBpks228uI2kii2N8yr1OcYHXuarll2HZlyiis6PWreXxFPoqpL9pht1uGYgbCrMQADnOcj0oUW9hGjRTJpo7eF5p5FiijUs7uwCqBySSegqnfa1p2nadHf3d0q2srIscqAurFzhcbQcg5HPShRb0SHZl+iiipEFFFFABRRRQBjXX/I86X/2Dbz/0bbVs1jXX/I86X/2Dbz/0bbVs1pP4Y+n6sb2QUUUVmIKKKKACiiigAooooAKKKKAMa6/5HnS/+wbef+jbatmsa6/5HnS/+wbef+jbatmtJ/DH0/VjeyCiiisxBRRRQAUUUUAFFFFABRRRQAVjaJ/yGPEf/YST/wBJLetmsbRP+Qx4j/7CSf8ApJb1pD4Zen6opbMLX/kedU/7Btn/AOjbmtmsa1/5HnVP+wbZ/wDo25rZoqfF8l+QS3CiiisyQooqtf39vplhLeXrskEQy7LGzkDOOigk9ewppNuyDfRFmiuVHxK8KmQxi/nLqMlfsFxkD1xsrp4pVmhSWM5R1DKSCMg+xq5U5w+JNDcWtx9FFFZiCiiigDGtf+R51T/sG2f/AKNua2axrX/kedU/7Btn/wCjbmtmtKnxfJfkVLcKKKKzJOTh/wCSwXP/AGBY/wD0cat6hql5B4+0fTYpttpc2txJLHtB3Mu3ac4yMZPQ1FqvhnVLnxQda0fW49Ola0W1dHshNkBi2clxjr6dqenh++XVNN1bUNRW+u9Pt542EdsIvP3kEY+Y7cAAd8+1dl6btJvo1bXezt0tvY1dm7+n5I5K+8R63caD/a9v4lSzuX1D7KulQ20LMB5vl7BvBbfj5snj2xzWhcWer3HxRurfTNUSzYaRAJrp7dZJGxI33V4UEnOcj6CuT0qa00vREvLDWIo/EUO5YtLk0qKS4D5JEJOwSk84LZ9TXqNho0y+In166kCTXNhFbyWqrxGyksTuzzy2Onauqty0ei69PTy19dS6lo3t+XmjmnvtV1f4d+JrXUL/AP0zS3ubWS6hhVftKpHnlSCF3BsHGMdqT7Tqvh/4Y6feW+rTTSSiyWPzIYsQozICgwvIwcZOT710lh4YjtbXXLa4uDPFrFzLO4CbTGsiBSvU56dffpWYvgq/k8Krol/r32mOGSA28n2MKY0iYEKcN8xOAM5/CsY1aV7O1rxe339P66EuUXp5sbqF14g1Dx7daLperR6faR2EVw0htlldWLsDtzxzgZznGOBzmoLbxTq9p4I1+5u2ivNR0S4ltvO8vas23aRIyjpw2SB6V0cOh+V4uudc+0Z8+0S28nZ93axbduz79MVzHijQn0jwX4i8t5Loalfi7Zo4jm2VmTJIGS4Xbk8cjPSlTlTm4waXTp1vrr6Di4uSXp+WoWl5qy+NtJsE8WnVLa5tnuJ4oraAbQu3BJVchGzgc546mu9rzLQLyCy8RafB4T1a11iO8k/0+ODToovLj2k+YzxKu0g8ANkkmvTajFR5XFW6drde1kZzVmFFFFcZBjXX/I86X/2Dbz/0bbVs1jXX/I86X/2Dbz/0bbVs1pP4Y+n6sb2QUUUVmI5vVfFF3Drj6RoGkNq15DEJrnNwsCQq33QWIOWOOmOlXvDuupr+nPOLeS0ngma3ubaUgtDKvVcjg9QQe4NZPh8iL4ieK4peJZPssqA9WTy9uR7AgioPCV9axXninUJbiKGyfViizSOEQsERTyeOW49zXZKnHlaS1STv620/H8DWSVtF2/I1dd8SS6bqVrpel6c2p6ndI0qwCURKka8F2cg4GeBwc0zSfFcd3b6l/bFo2k3WlDdeQSSCQIhXcHVl+8pAPbseKp5EXxgzLx9o0XbCT/EVmywHvgg0aO63HxQ8RSQHckNrawykdPM+dse5AIo5Icm3S9/nb08vUGlZ6bW/G3+Zc8PeK/8AhINX1KzGm3FktksTo1x8ryrIGIJTqv3c8nPPIFdDXJ6H/wAlM8Vf9cbL/wBAeusrGtGKl7qsrL8UiJpKVl5fkgooorEkxrr/AJHnS/8AsG3n/o22p1/rh0/xHpmmzW37jURIqXPmfdkUbghXHcZwc9qbdf8AI86X/wBg28/9G21UfiBYTXXhOW6slzeabIl9b4HO6M5I/FdwrpiouUFLZ/5vX5GkVdpGjrOuf2Ve6XaRW/2m41G6EKpv27VALO/Q52gdO/rWtXGaJdx+KvGza1bsHstOsUhg/wCuswDufqF2j8a5bS9F1PxTodzqcml2M2pXEsv/ABMJtSkjntZFcgBQIzsC4GFB5A561p9XVrSdrb/Pbqug1BPy2/HU9corz7WtHGr+MfC1hrsjT506f7UIZCqTsBHkEjBKk844zgVavra08GeLdHvrVVtdMu4Dps4ydqFQXibJ+jLz2qPYRslzatN7dr/nbsTy3Wm529Fcv4Dgkk0e41q5XE+tXLXmD1WM8Rr+CAfnXUVjUhyScexLVnYyfD+uf27DeyfZ/I+y3stpjfu37Djd0GM+n61rVyfgD/jy1v8A7DV3/wChCszTND0zxhrPiC58TRm8ms9Qe1gheVgttEoG0qARgt1zW0qUeeXRK3n2LcVzS7Jnf0V5bbSXVz8No9TM8l23h/VWmtrh23tNBFIQST3+QsPwrSF1s8fDxIZD9iknbSS3bYIvMDf9/ARVPDWvrtf8LfncHTav8/vX/APQKxtE/wCQx4j/AOwkn/pJb1U8D27Dw+2pTLtn1ad758jBAc/IPwQLVvRP+Qx4j/7CSf8ApJb1k48jnHt/midroLX/AJHnVP8AsG2f/o25rZrnNH02x0vxlqsGmWVvZxNYWbmO3iWNS3mXIzgAc4A59q6Opq25tOy/JBLcKKKKyJCiiigDlNO/5KtrX/YOtv8A0J66usm30T7P4rvda+0bvtVtHB5OzG3YWOd2ec7umK1q1qSUmrdkVJ3ldeX5IKKKKyJCiiigDGtf+R51T/sG2f8A6Nua2a5mbR9M1bxzqH9q6daXvlabaeX9pgWTZmW5zjcDjOB+VXf+EO8M/wDQu6T/AOAMX/xNbzUL6vounl6luxs0Vjf8Id4Z/wChd0n/AMAYv/iaP+EO8M/9C7pP/gDF/wDE1Fqfd/d/wRaGzRWN/wAId4Z/6F3Sf/AGL/4mj/hDvDP/AELuk/8AgDF/8TRan3f3f8ENDZorG/4Q7wz/ANC7pP8A4Axf/E0f8Id4Z/6F3Sf/AABi/wDiaLU+7+7/AIIaGzRWN/wh3hn/AKF3Sf8AwBi/+Jo/4Q7wz/0Luk/+AMX/AMTRan3f3f8ABDQ2aKxv+EO8M/8AQu6T/wCAMX/xNH/CHeGf+hd0n/wBi/8AiaLU+7+7/ghobNFY3/CHeGf+hd0n/wAAYv8A4mj/AIQ7wz/0Luk/+AMX/wATRan3f3f8ENDZorG/4Q7wz/0Luk/+AMX/AMTR/wAId4Z/6F3Sf/AGL/4mi1Pu/u/4IaBdf8jzpf8A2Dbz/wBG21bNchceFfDy+MtOgXQdMET2F27Rizj2swktwCRjkgM2D7n1rW/4Q7wz/wBC7pP/AIAxf/E1pJQtHV7dvN+Y3ayNmisb/hDvDP8A0Luk/wDgDF/8TR/wh3hn/oXdJ/8AAGL/AOJrO1Pu/u/4ItBda8J6J4gnjm1axE00S7FlSR43C/3dyEEjk8HjmnzeGdGn0BdEk0+Iaau3FumVXhtw6EHryfXv1qP/AIQ7wz/0Luk/+AMX/wATR/wh3hn/AKF3Sf8AwBi/+JrTnskuZ6bf1cfN5k2s+HNK8QQxR6vZrOITuiYMyPGe+1lII6Doe1Fj4e0rTdHl0uws1t7SYMJERmDPuGCS+dxOO+c+9Q/8Id4Z/wChd0n/AMAYv/iaP+EO8M/9C7pP/gDF/wDE0udcvLzO39eYX6XKdp8PfDVhfpe2tjNHcI6uJPts5yV6Zy/P0PFdLWN/wh3hn/oXdJ/8AYv/AImj/hDvDP8A0Luk/wDgDF/8TROan8Um/wCvUTaerZs0Vjf8Id4Z/wChd0n/AMAYv/iaP+EO8M/9C7pP/gDF/wDE1Fqfd/d/wQ0C6/5HnS/+wbef+jbathgGUqwBBGCD3rkbjwr4eXxlp0C6Dpgiewu3aMWce1mEluASMckBmwfc+ta3/CHeGf8AoXdJ/wDAGL/4mtJqFo6vbt5vzG7aFjRdB03w7YGy0a1FtblzIUDM2WPU5Yk9qpXPgvw/d3s11Np/7y4bdMsc0iRzH1dFYKxPfIOe9S/8Id4Z/wChd0n/AMAYv/iaP+EO8M/9C7pP/gDF/wDE0c/vc3M7/wBeYX8y42kWL6ja3xtwLi0jaKBlJARGxkBQcdh2rH8d6Pc+IPDq6Va2wmFzdRLNIXC+RGGDM/J5OBjA55q5/wAId4Z/6F3Sf/AGL/4mj/hDvDP/AELuk/8AgDF/8TRGcYyUrvTy+fcE0ndMtXVxJpcEEVjpN1exhdgS1aJREAAAD5jr+melQQ6xfSzoj+G9ThVmAMjyWpVB6nExOB7Ammf8Id4Z/wChd0n/AMAYv/iaP+EO8M/9C7pP/gDF/wDE0k6fXX5f8EXu2t/X5lOb4e+Gp7qa4exmEk8jSyFL2dQzMck4Dgdasar4K8P61em71HTlkuGUI8iSvGZFHZtpG7jjnPFSf8Id4Z/6F3Sf/AGL/wCJo/4Q7wz/ANC7pP8A4Axf/E1XtXo+d6f13K5ne92aEenWcOmf2fDbRx2YjMQgRcKFIwRgVnnwloh8OroRsv8AiXK24Q+a+Qd27O/O7Oe+aP8AhDvDP/Qu6T/4Axf/ABNH/CHeGf8AoXdJ/wDAGL/4mpUktpPv8/vEnbZmtFEkEKRRLtSNQqqOwHAFZOif8hjxH/2Ek/8ASS3o/wCEO8M/9C7pP/gDF/8AE1B4Ys7bT77xBbWFtDbW6akuyKGMIq5tYCcAcDkk0Ll5ZNP+rrzErWdie1/5HnVP+wbZ/wDo25rZrGtf+R51T/sG2f8A6Nua2aip8XyX5BLcKKKKzJCiiigAooooAKKKKACiiigDGtf+R51T/sG2f/o25rZrGtf+R51T/sG2f/o25rZrSp8XyX5FS3CiiisyQooooAKzbnxHodldta3ms6fb3CkBoZbpFcZ6ZUnPetKvMn1Xwxp/jjxVF4o+yu0skHlRTQeazjyRkKMH2rejT9o3u7K+nql+pcI8x6NLe2sAhM1zDH9ocJDvkA8xjyAvqT6CluLu3tfK+1TxQ+dIIo/McLvc9FGepOOleVgXOjeCvCT31pdqItb8yG12F5liJkKJt6k4I4rU8S+JY9YvPDtuml6taFdat38y9sXhQ/eGAx789PrW/wBUfMkndXa+4r2f5P8AC/8AkejUUUVwmQUUUUAFFFFAGNdf8jzpf/YNvP8A0bbVs1jXX/I86X/2Dbz/ANG21bNaT+GPp+rG9kFFFFZiCiiigAork7zx39ggnnuvDGvxwQAtJKbeMKFHU58zpXR6dfJqel219FHJElzEsqpKAGUMMgEAnB5rSVKcVzNaFOLW5ZooorMkKKKKAMa6/wCR50v/ALBt5/6Ntq2axrr/AJHnS/8AsG3n/o22rZrSfwx9P1Y3sgooorMQUVzuoeM7G01KTT7Kzv8AVruH/Xx6fB5nk+m5iQoPtnNaGi61HrVs8qWd7ZPG2x4L2AxOp+nQj3BIrR0pqPM1oU4tK7NKiiisyQoorJ8Qa5/YUVg/2fz/ALZfQ2eN+3Z5hxu6HOPT9aqMXJqK3Gk3sa1FFFSIKxtE/wCQx4j/AOwkn/pJb1s1jaJ/yGPEf/YST/0kt60h8MvT9UUtmFr/AMjzqn/YNs//AEbc1s1jWv8AyPOqf9g2z/8ARtzWzRU+L5L8gluFFFFZkhRRRQAUUUUAFFFFABRRRQBjWv8AyPOqf9g2z/8ARtzWzWNa/wDI86p/2DbP/wBG3NbNaVPi+S/IqW4UUUVmSFFFFABWHpGi3Gn+JNd1CZ4mi1GSF4lQksoSPad3Hr6ZrcoqoycU0uv+d/0HfQw/EWi3Gr3GjSWzxKLHUEupfMJGUUMCBgHnnvijxNotxrP9kfZXiT7FqUV3J5hIyiBsgYB559vrW5RVxqSja3QfM/0/r7wooorIkKKKKACiiigDGuv+R50v/sG3n/o22rZrGuv+R50v/sG3n/o22rZrSfwx9P1Y3sgooorMQUUUUAch40dtX1DS/CsBP/Ewk8+9I/htozlgfTccKD9a64AKoCjAAwAO1ZtvoVrb+IrvWt8st3dRJDmQgrEi/wAKYHAJ5Oc81p1rOS5Yxj0/N/0kVJ3skFFFFZEhRRRQBjXX/I86X/2Dbz/0bbVs1jXX/I86X/2Dbz/0bbVs1pP4Y+n6sb2QUUUVmI4TwCL5/h/K2mG1j1lr2c3RulZl87zTu37SCTtx39Kik8Za3b+E/E896ll/aGk3Ato5LaNhHltoDEMT0LZ/Ct2/8FWN1qsupWV9qOk3U/8Ar30+48sTEcAspBUn3xU2n+ENKsdHvdNdZryK/YtdvdymSSckYyW9cAdMY+td7q0m3OSvdp2t5q6v2tojfmhzcz73Ob1ywv8AwdptprVt4g1S9nS5hS5hup/MiuFdgrBUPCHnIx0q9cRXXifxtqmmy6pfafY6VFDtisZjC8zyKWLM45wAMY6Zq3a+ArCC6tZbvUdU1GKzcSW1te3O+KJh90gADJHbJOKtat4StNU1MalDe3+mXvliKSewmEZlQdAwIIOM9cZo9rDvrrrbba36/f5E8y7623+f+Ryx8RaronhnxZbG8kvZ9GmWG1vJwC+2QLt3nGGKbsknrTPEnh2fSE0CY69qd8H1m0E0d5KJFdt/3lyPk78DjH0rr7PwlpNnoFzpAhee3vCxumnkLyTs3VmbqT71mx/DvTvMs3utT1a8axmjmtvtN1vEWwghQNuMHABOM44zVRr01K6017b6L7tbv5+Q+eOtvP8AHY62iiivOMQrG0T/AJDHiP8A7CSf+klvWzWNon/IY8R/9hJP/SS3rSHwy9P1RS2Zh2/h+zPjDUYjcantWwtWBGq3IbJkuBy3mZI4GATgc46nOr/wjVl/z86t/wCDi7/+OUlt/wAjtqf/AGDrP/0Zc1sV+pxw1BrWC+5GjbuZH/CNWX/Pzq3/AIOLv/45R/wjVl/z86t/4OLv/wCOVr0U/qtD+RfchXZkf8I1Zf8APzq3/g4u/wD45R/wjVl/z86t/wCDi7/+OVr0UfVaH8i+5BdmR/wjVl/z86t/4OLv/wCOUf8ACNWX/Pzq3/g4u/8A45WvRR9VofyL7kF2ZH/CNWX/AD86t/4OLv8A+OUf8I1Zf8/Orf8Ag4u//jla9FH1Wh/IvuQXZkf8I1Zf8/Orf+Di7/8AjlH/AAjVl/z86t/4OLv/AOOVr0UfVaH8i+5BdnJ2/h+zPjDUYjcantWwtWBGq3IbJkuBy3mZI4GATgc46nOr/wAI1Zf8/Orf+Di7/wDjlJbf8jtqf/YOs/8A0Zc1sUo4ag1rBfchtu5kf8I1Zf8APzq3/g4u/wD45R/wjVl/z86t/wCDi7/+OVr0U/qtD+RfchXZkf8ACNWX/Pzq3/g4u/8A45R/wjVl/wA/Orf+Di7/APjla9FH1Wh/IvuQXZkf8I1Zf8/Orf8Ag4u//jlH/CNWX/Pzq3/g4u//AI5WvRR9VofyL7kF2ZH/AAjVl/z86t/4OLv/AOOUf8I1Zf8APzq3/g4u/wD45WsWCqWYgADJJ7VHb3MF3bpPaTRzwyDKSRMGVh6gjg0fVcP/ACL7kF2Zv/CNWX/Pzq3/AIOLv/45R/wjVl/z86t/4OLv/wCOVr0UfVaH8i+5BdmR/wAI1Zf8/Orf+Di7/wDjlH/CNWX/AD86t/4OLv8A+OVr0UfVaH8i+5BdmR/wjVl/z86t/wCDi7/+OUf8I1Zf8/Orf+Di7/8Ajla9FH1Wh/IvuQXZydx4fsx4w06IXGp7WsLpiTqtyWyJLccN5mQOTkA4PGegxq/8I1Zf8/Orf+Di7/8AjlJc/wDI7aZ/2Drz/wBGW1bFJYahd+4vuQ23ZGR/wjVl/wA/Orf+Di7/APjlH/CNWX/Pzq3/AIOLv/45WvRT+q0P5F9yFdmR/wAI1Zf8/Orf+Di7/wDjlH/CNWX/AD86t/4OLv8A+OVr0UfVaH8i+5BdmR/wjVl/z86t/wCDi7/+OUf8I1Zf8/Orf+Di7/8Ajla9FH1Wh/IvuQXZkf8ACNWX/Pzq3/g4u/8A45R/wjVl/wA/Orf+Di7/APjla9FH1Wh/IvuQXZkf8I1Zf8/Orf8Ag4u//jlH/CNWX/Pzq3/g4u//AI5WvRR9VofyL7kF2cnceH7MeMNOiFxqe1rC6Yk6rclsiS3HDeZkDk5AODxnoMav/CNWX/Pzq3/g4u//AI5SXP8AyO2mf9g68/8ARltWxSWGoXfuL7kNt2Rkf8I1Zf8APzq3/g4u/wD45R/wjVl/z86t/wCDi7/+OVr0U/qtD+RfchXZkf8ACNWX/Pzq3/g4u/8A45R/wjVl/wA/Orf+Di7/APjla9FH1Wh/IvuQXZkf8I1Zf8/Orf8Ag4u//jlH/CNWX/Pzq3/g4u//AI5WvRR9VofyL7kF2ZH/AAjVl/z86t/4OLv/AOOUf8I1Zf8APzq3/g4u/wD45WvRR9VofyL7kF2ZH/CNWX/Pzq3/AIOLv/45R/wjVl/z86t/4OLv/wCOVr0UfVaH8i+5BdmR/wAI1Zf8/Orf+Di7/wDjlZWkeH7OTVNdVrjUwI79VG3VblSR9mgPJEnzHnqcnGB0AFdZWPov/IW8Q/8AYRT/ANJbek8NQuvcX3Iabswtv+R21P8A7B1n/wCjLmtise2/5HbU/wDsHWf/AKMua2K3jsJ7hRRRVEhRRXNeOtRurHQ4LfTpjb3Oo3kVkky9Y955Ye+AamUuVXKirux0tFcXqPw+0a10me50xZ7TU4Ymkj1BbhzKXAzljn5snqK3vC2py6z4V03ULgATXFurSY6Fscn86UZNtp7g1pdGtRRRVkhRRRQBj23/ACO2p/8AYOs//RlzWxWPbf8AI7an/wBg6z/9GXNbFTHYp7hRRRVEnH+Id+u+NLLw1JNLFYC0a9u0ico043bFQsOQuck461qaf4b0Pww819p0BsYxEfOVZX8sqOdxUkjIx1xnrVXxHpWpprdj4g0CKK5u7WN4JrSSTy/tETc4DEYDAjPPFPR9a8QWt7Y6roq6TaT2zxF3u1lkLMMcKnGBk9TmudXV2l72v/A1Nd7a6af8Ez28dX8enDWZfDdwuhnD/avtK+aIzwJDDjOO/XpzWrq/iVrS8tLDR7BtUv7uIzpEsojRYhj52c5wOeODmuels/Ft14UHhaTRreLMAtH1P7WrRGMDBcJ9/JHbA5rRv9H1PRtdsdW0KzXUkhsBp81q0wicqCCrqzceuQcf4HNLu7d7a9elvTp1YWXz/Dp/wS5p3iJ9UGpadqFg+nalZxbpYGkEisjA7WVx94fgMVzuhTWcPhPwP9rsftMskwSCTzSnkNtY7sD73Axg+tbGkaTqtzrWqa9rFrHZT3VqLW3s1lEjIgycsw4ySe3SqNl4d1WHQfB1vJa4l025V7tfMX92uxxnOeeSOmaFzNpvy/8ASv8ALXyB22Xn+X+Zem8XanLq2p6fo/h2S/k06UI7m6WJGBQMOSPvc4289MkjNWf+Ext5PCtnrNtazSveyLBBa5CsZSxXYSeBgg5PoKfoOmXdlr/iG5uYtkV5dJJA24HeojCk4B45HeuRvdL1DT/AOh6LNEU1GXVCVt0mCu37x3BWQBghAw2fbHtS5pxir9bfmkO0X/XkzqtL8Ratd+J5dH1LRYbJooBOZFvvN3ISQCo2DPIwckYrpK4jw4ZdJ8WNaa1Z3J1PUYCyXst6tyHSP+DhE2Abs/d5J6129bU23HUzlpLQKKKKskx7n/kdtM/7B15/6Mtq2Kx7n/kdtM/7B15/6Mtq2KmO7KeyMXWPF2h6DOINUv1im27zGkbyMq/3iEBIHuasy69pUGijVpb+BbBl3Lcb/lb6ep9utM1vU7HQNNuNRuY1LNhAiLmS4foiDuSegrP8F6C+keD7Gy1KGP7QrNO8ZAYROzFgB7jOOKlSk5Nf1/Vh2Vky9o3ijR9fkmj0q9E0sODJE0bRuoPfawBxz1rSmmjt4JJriRY4o1Lu7nAUDkkn0rkdJxr3xEutes1/4l9laGwSftcSb8sV9VXpnpnpWl440271bwbfWenL5lw6qyx5A8wKwYrz6gYpc79nzf1/XUfKuflJtN8W6Jq94trYXu+Z1Lxq8Tx+aB1KFgA//Ac1HqPjbw7pN81nf6nHHMhAkCo7iMnoGZQQv4kVzWv60upXHhr7PpGo2k8WqQYa6tTEsYOQyZbGeM/dyPlre8Y3lvYeHbmyt7ZZr3VQ9vb20ajdPI4wSfYDkk9hUupLlbXR29drfnYaim0n1/A6KORJYlkidXjdQyspyGB6EGqGkeINL177T/ZN0LkWsnlSlUYBW9MkDP1GRXN6k/8AYnhnR/Ci30cF5dQLbyXBcKIolUea4J/Jfcj0pPBDadDr/iOy0+aAQrcRLBHHIDlFhUcYPOPWr526nKtv6/r/AIYnl927Oni13TJ9ck0iC8jkv4ozJJCmSUXIHJHAPI4znmtCuLsdNs9J+KFtaadbpbwJor4Re585cknqSe5PJrtKcG5Ru/P82hSSTsjHuf8AkdtM/wCwdef+jLatise5/wCR20z/ALB15/6Mtq2Kcd2D2QUUUVRJBeXkGn2M15dv5cECGSR8E7VAyTgc0+3njuraK4gbdFKgdGwRkEZB5rJ8Y/8AIkaz/wBeUv8A6CaWyvU03wPb30ilkttOWVlHcLGDj9Kjns5X2ST/AD/yL5b2t1v+n+Zs0VwE954ttvCn/CUvrFu2IRdtpf2RfKEZGdgf7+dvOc9a2U1y5XxZYiWXGl6npxmgQqBslXDHnGTlG6Z7UvaK9mrf0/8AIOXS6/r+rnTUVwWn+LdTXw1rdzqD7ruNFubFdigiOYYhXGOcNxz1rtbBLiLTbdL6XzrlYlE0m0De+OTgcDmqjNS/r+tuonGxYoooqiQrH0X/AJC3iH/sIp/6S29bFY+i/wDIW8Q/9hFP/SW3qZbopbMLb/kdtT/7B1n/AOjLmtiue0i1mtPGGqJcX1xfMbC0IkuFjDAeZccfIqjH4Z5610NENgluFFFFUSFYnizQ5te0M29nMsN5DKlxbSOMqJEORn2PT8a26KUoqSsxp2dzjry88Y6tp0mmroEOmyzoYpL575ZI4weCyqvzE4zgHGDXTaVp8Wk6Ta6fb5MVtEsSk9SAMZq3RSjG2o276BRRRVEhRRRQBj23/I7an/2DrP8A9GXNbFc3NZT3nja/+z6ndWGzTrTP2dYjvzJcdfMRumO2OtXP7Fv/APoZ9V/79Wv/AMYqIt22LaNiisf+xb//AKGfVf8Av1a//GKP7Fv/APoZ9V/79Wv/AMYp8z7Csu5sUVj/ANi3/wD0M+q/9+rX/wCMUf2Lf/8AQz6r/wB+rX/4xRzPsFl3Niisf+xb/wD6GfVf+/Vr/wDGKP7Fv/8AoZ9V/wC/Vr/8Yo5n2Cy7mxRWP/Yt/wD9DPqv/fq1/wDjFH9i3/8A0M+q/wDfq1/+MUcz7BZdzYqjqujafrlmLXVLZbiIMHUElSrDoVYYIPuDVX+xb/8A6GfVf+/Vr/8AGKP7Fv8A/oZ9V/79Wv8A8YpN30a/IFpsyTTPDelaPcyXNjbEXEi7WnlleWQr/d3OSQPYHFalY/8AYt//ANDPqv8A36tf/jFH9i3/AP0M+q/9+rX/AOMU07KyQb9TYorH/sW//wChn1X/AL9Wv/xij+xb/wD6GfVf+/Vr/wDGKOZ9gsu4XP8AyO2mf9g68/8ARltWxXJXGkXo8Yaeh8RakWawuiJDHbblAkt8gfucYORnIz8owRznV/sW/wD+hn1X/v1a/wDxipTd3oNrRambrPhTVdS8TR6va67Hb/Z49ltBLYiZYSfvMMuBuPrjOOKl1Hw9rWqeF5dLufEIW4mk+e6is9mY+8e0P39c9OKu/wBi3/8A0M+q/wDfq1/+MUf2Lf8A/Qz6r/36tf8A4xU8kbNWevn/AMEfM7p3K2iaJrWlSQR3Gt209hCmwWsWmrDxjAwwc4x9KntdG1G10zULddcnkuLmeSWC5kjDm2DHIQKxIIH9e1O/sW//AOhn1X/v1a//ABij+xb/AP6GfVf+/Vr/APGKq3k/v/4IirY+G706rBqHiDWW1SS1ybaJLdYIomIwWKgks2OASeMniqU/hHWj4mutZtfEcUcsw2RCXThKYI/7ikuMD1wBnvWv/Yt//wBDPqv/AH6tf/jFH9i3/wD0M+q/9+rX/wCMVLgnbR/f/wAEfM+44aBa3tnAviO3sdXuolINxNZoM5OeFOdvbv2qpong/TtD1jUL+1gtVa6kDQiO2VDbrtAKqR2JGeMVZ/sW/wD+hn1X/v1a/wDxij+xb/8A6GfVf+/Vr/8AGKqyvflFra1zFPhLxEdfXVz4pg+0rAbcf8SsY8stuxjzPUda7EdOayP7Fv8A/oZ9V/79Wv8A8Yo/sW//AOhn1X/v1a//ABiiK5VZJ/18wk+Z3bC5/wCR20z/ALB15/6Mtq2K5K40i9HjDT0PiLUizWF0RIY7bcoElvkD9zjByM5GflGCOc6v9i3/AP0M+q/9+rX/AOMUJu70BrRamxRWP/Yt/wD9DPqv/fq1/wDjFH9i3/8A0M+q/wDfq1/+MVXM+wrLuW9Z0/8AtbRL3T/N8n7VA8Xmbd23cMZxkZrG03w7rVtFFZ6lr0N9pqwmB7YaeIy6bdoG8OSKvf2Lf/8AQz6r/wB+rX/4xR/Yt/8A9DPqv/fq1/8AjFQ4pu7X9feO7StcxP8AhBb99OXRrjxLcSaIuEFr9mRZWjHSMyg9O3QHFa3iTwyuu6Zb21tc/YJLZsxTLHv2KUKMuMjqrEflUv8AYt//ANDPqv8A36tf/jFH9i3/AP0M+q/9+rX/AOMUuRNWa/r7x8zve5V1DwlHeavp13Fc+TBaIiS23lZE6xtujGcjG1ueh610VY/9i3//AEM+q/8Afq1/+MUf2Lf/APQz6r/36tf/AIxVrTZeZO/U2KKx/wCxb/8A6GfVf+/Vr/8AGKP7Fv8A/oZ9V/79Wv8A8Yp8z7BZdzYrH0X/AJC3iH/sIp/6S29H9i3/AP0M+q/9+rX/AOMVD4agkt73XoprqW7ddRXM0wQM3+iwHnYqr7cAdKTbbWg+jJrb/kdtT/7B1n/6Mua2Kx7b/kdtT/7B1n/6Mua2KcdhPcKKKKokKz9b1i30HS3v7xJHiR0QiIAtlmCjqR3NaFcr8SCF8D3LHhVmgJJ6AeavNTNtK5UVd2N3V9Uh0XR7rUrpZHhtozI6xgFiB6ZIH61ahlE0KSrkK6hhnrgiuf8AH7AfD7WCSADbEDnqT0rcsQV0+3DAgiJQQe3FJNucl2t+N/8AIGvdT9f0J6KKKskKKKKAMe2/5HbU/wDsHWf/AKMua2Kx7b/kdtT/AOwdZ/8Aoy5rYqY7FPcKKKKokKKyPFc0tt4P1aa3keKWOzlZJEYqykKcEEdDWTd6/aj4dyyJq0Ivf7LJDC5HmeZ5XXOc7s/jms5VFHmv0V/z/wAi4wba8/8Agf5nW0Vzttr8Ol+EdIuL83F1c3VvEscUSmSa4kKAnA7nqSSfqataZ4kttRuLm1ktbuxu7ZBJJbXUQDlD0ZdpIYcY4J5q3KKbVyUm1c2KK56HxhbNfWsF1pup2Md5J5VvcXVuEjkfsvXcpOONwFZ8/ifUYfiLJpi6dfzWa2QYQxpDy3mY80EsDtxx1z7VPtI3Xn/w5XK7M7GisC+8WW9rfXFra6dqOpNaj/SWsoQ6wnGdpJYZbBzhcmk1DxppOn6Vp2okz3FtqLiO3a3iLksQSBt65OMYxnNHPHe4uWR0FFU9Lvzqdity1ndWRYkeTdxhJBg9wCf51cqxBRRRQIx7n/kdtM/7B15/6Mtq2Kx7n/kdtM/7B15/6Mtq2KmO7KeyCiiqUOs6Xc3zWVvqVpLdpndAk6tIuOuVBzVXEXaKp3+radpao2p39rZhzhTcTLHu+mSM1ajkSWNZImV0YAqynII9QaLpgOoqte6hZ6bB52o3cFpFnHmTyBFz6ZJqS2uoLy3S4s5454ZBlJInDKw9iODRdbAS0VRXW9KbUDYLqdmbwHabcXCeZn025zVi4u7a08v7VcRQea4jj8xwu9j0UZ6k+lK6auFmTUUUUxGPc/8AI7aZ/wBg68/9GW1bFY9z/wAjtpn/AGDrz/0ZbVsVMd2U9kFFFFUSFFQzXVvbNEtxPHEZnEcYkcLvY9FGep9qJ7q3tfL+0zxQ+a4jj8xwu9z0UZ6k+lFxk1FQrd273b2qXETXEah3hDguqnoSvUD3qagAoqpa6naXt3d21tLvms3Ec67SNjEbgMkc8HtVui99UAUUUUCCsfRf+Qt4h/7CKf8ApLb1sVj6L/yFvEP/AGEU/wDSW3qZbopbMLb/AJHbU/8AsHWf/oy5rYrHtv8AkdtT/wCwdZ/+jLmtiiOwPcKKKKokKr3tlbalYzWd9Cs1vMpSSNujA1YopNJqzHtqcvB4CsI3hW61HVb+0t2DRWV3db4VIOV+XALAdgxNdRRRQopbA22FFFFMQUUUUAY9t/yO2p/9g6z/APRlzWxWPbf8jtqf/YOs/wD0Zc1sVMdinuFFFFUSZHiuGW58H6tDbxvLLJZyqkaKWZiVOAAOprBuvCOk/wDCv5fL8PWf9of2Ydu2yTzfN8r/AHc7s/jmu1orOVNSvfqrfn/mXGbjby/4H+R5/q2i3T6L4UvXtL6aPToQl3bWjtHOqtEAWAUhiVIGQOeTWhpFnbq9/faFpmqpfLaNHDcarJKA7dQgWVtwGQCTgD3rsKKHTTk5d/8AhgUrJLseTyW2r6lJoctz/wAJLdXcWoW8t7HdWwjtoSG+YqoUZA9VJAHJxXU6q9zpPxEg1Q6be3lrcad9k3WcJkMbiTd82Ogwep4rr6KUadtn1v8AhYbnf+vO55wNJTStc1dNXsdemS6u3ubafTJZzG6vg7SsTYVgcjkDIxWld6SYIfCUWm6ZdW9vb6h5jwvmRoFKOSXYFscnrnvXa0URpKKS7W/B3Bzbd/X8QooorUzCiiigDHuf+R20z/sHXn/oy2rYrHuf+R20z/sHXn/oy2rYqY7sp7IZLGk0LxSDcjqVYZ6g9a4PxNo2lxat4d0jQLCC31CO8S53W0YVobdPvsxHODwOep967u4877NL9l2efsPl+ZnbuxxnHOM1xOi6L4y0mae4kTQrq8u33XN3LcTeY47KPkwFA4Cjis56ySt8/QqOzGS3mmab8RNXl8WeVGs0EK6fLcx5QxhTvRSRjO48jqc1d+HE0b6PqUFpv+xW+pzJah1ZdsZwwADcgDceK1NV/wCEq+2sNF/sf7Kyja115vmIe5wvDe3Sq40HVNL8KtZaDqEY1SSbzpby4jGJXZ90jFcHGRkAduOe9KEXGV+mq+9/1qOTTX3fkZmv3FnYfEWyvPEgRdMFiyWs0yExRT78tk9FYqBgn0rDGtQ6fp/jiXw87JZqsMtsY1ZFSSRdrMgOO4zkceld5q58RiWM6ANLePYRIL0yKQ3YgqDx7Y/Gs+Pwi1x4f1a11a7E19rGWubmOPaqHaAgVSfuqAMZOT171EoSaaXn+PT+vIqMldN+X4f1+JmWV0nhyDSoL/wrBY6fJNHDFcidJJI5W4VpF28EnqwZqPG2jW0WpaTqrGWa6k1i1RWlfIhTPKoOigkZPcnvU6+HfEmqtp1r4lu9NNjYTJMTZq/mXLJ93du4UdCcZz7VJ4r0jxNrN5bJpw0lbS0u4rqJp5ZRIzJzhgFIxnPTtVNPe3VW9NP+CStHv0Ovoqrp5vjYxnVlt0u+fMFszNH14wWAPTHarVdBkY9z/wAjtpn/AGDrz/0ZbVsVj3P/ACO2mf8AYOvP/RltWxUx3ZT2QUUUVRJx/wAQLkWbeHrhopphFq0bGOCMu7fI3AUck1meI/Ecer33h6BNM1W0K6xA++8snhQ/eGAT356fWup8QaPcatc6PJbvGosb9LmTzCRlQGBAwDzz7UniPRrjWG0k2zxL9i1GK6k8wkZRQ2QMA881hyyu/wDEn/6Sa3Vvk/1Kj6utp4z1aNrO322umJctOkX76TlvlLdx8vArLbxH4p26HdH+x47XWZURIxFLJJCGUsvO8BuByQBg9jVvxBp8+n3fiDX3l2276R5C+Tkyqy7juxwP4h3rltNtx4YtdH1ZV0O/d2jhjht5ZmlXeQp8rdIy7uecKveoTlzJP+ryf5oqytdf1ovyNewk8Q/8Jd4qTw9Dp4Auo2aa+ZyCfKXChV5/En8DXV+GdaPiDw7a6k0PkPKGDxg5CsrFTg+mQai0bRrjTta1y8meJo9QuEliCEkqBGFO7jrkds0vhLR7jQfDUGn3jxvNG8jFoiSvzSMw6gdjWlOMopJ9iJtO78zaooorYzCsfRf+Qt4h/wCwin/pLb1sVj6L/wAhbxD/ANhFP/SW3qZbopbMraQl9H4w1QalcW9xL9gtCGt4GiUL5lxxgu3Oc85/CuhrHtv+R21P/sHWf/oy5rYohsEtwoooqiQqtfi9NjKNLaBbvH7s3Clowc9wCD0qzRQ1dWGcPBqvjWfxHd6QsmgCS1gjmaQwTbWDkgAfP7V2se/yk87aZNo3bRxnvj2rmNO/5KlrX/XhbfzeuqrOlfku+7/BtFT+K3p+SCiiitCAooooA5uaLUpPG1//AGXd2tvjTrTzPtFq02795cYxtkTHf1/Crn2bxJ/0FtK/8Fcn/wAkUW3/ACO2p/8AYOs//RlzWxURimi2zH+zeJP+gtpX/grk/wDkij7N4k/6C2lf+CuT/wCSK2KKfKhXZj/ZvEn/AEFtK/8ABXJ/8kUfZvEn/QW0r/wVyf8AyRWxRRyoLsx/s3iT/oLaV/4K5P8A5Io+zeJP+gtpX/grk/8AkitiijlQXZj/AGbxJ/0FtK/8Fcn/AMkUfZvEn/QW0r/wVyf/ACRWxRRyoLsx/s3iT/oLaV/4K5P/AJIo+zeJP+gtpX/grk/+SK2KKOVBdmP9m8Sf9BbSv/BXJ/8AJFH2bxJ/0FtK/wDBXJ/8kVsUUcqC7Mf7N4k/6C2lf+CuT/5Io+zeJP8AoLaV/wCCuT/5IrYoo5UF2clcW/iD/hMNPDanpplNhdFWGnSbQvmW+QR5/JJ24ORjB4OeNX7N4k/6C2lf+CuT/wCSKLn/AJHbTP8AsHXn/oy2rYqVFXY29EY/2bxJ/wBBbSv/AAVyf/JFH2bxJ/0FtK/8Fcn/AMkVsUVXKhXZj/ZvEn/QW0r/AMFcn/yRR9m8Sf8AQW0r/wAFcn/yRWxRRyoLsx/s3iT/AKC2lf8Agrk/+SKPs3iT/oLaV/4K5P8A5IrYoo5UF2Y/2bxJ/wBBbSv/AAVyf/JFH2bxJ/0FtK/8Fcn/AMkVsUUcqC7Mf7N4k/6C2lf+CuT/AOSKPs3iT/oLaV/4K5P/AJIrYoo5UF2clcW/iD/hMNPDanpplNhdFWGnSbQvmW+QR5/JJ24ORjB4OeNX7N4k/wCgtpX/AIK5P/kii5/5HbTP+wdef+jLatipUVdjb0Rj/ZvEn/QW0r/wVyf/ACRR9m8Sf9BbSv8AwVyf/JFbFFVyoV2Y/wBm8Sf9BbSv/BXJ/wDJFH2bxJ/0FtK/8Fcn/wAkVsUUcqC7MY2viQjB1XSiP+wXJ/8AJFULXwveWN19psv+Ectp+f3sOhlG568ifNdRRRyK9w5mY/2bxJ/0FtK/8Fcn/wAkUfZvEn/QW0r/AMFcn/yRWxRRyoLsx/s3iT/oLaV/4K5P/kij7N4k/wCgtpX/AIK5P/kitiijlQXZj/ZvEn/QW0r/AMFcn/yRUPhpblL3XlvpYppxqK73hiMan/RYMYUsxHGO5/pW9WPov/IW8Q/9hFP/AElt6TSTQ76MLb/kdtT/AOwdZ/8Aoy5rYrHtv+R21P8A7B1n/wCjLmtinHYT3CiiiqJCiiigCFbW3S6e5SCNbiRQryhAHYDoCepAzU1FFAwooooEFFFFAGPbf8jtqf8A2DrP/wBGXNbFY9t/yO2p/wDYOs//AEZc1sVMdinuFc9401q50PQkntJI4HmuY7drmVNyW6ucGQj29+K6GsrxBqmnaXp27WoXkspm8uU+QZUQEHlwAfl4xnHcUqnw72HD4iHRoNWsvMk1PWotWsmjEkc32dY3U/8AAPlZcc9M/Wq6+P8Awu81vGurxE3G3Y2x9oLDIDNjCn2Yg1znh37CPEt9/wAIc8zeH2sXa4Hz/Z1uM8CPd3wTkDisey17Srj4RQ+HIYZH1W5tvKhshbsGkkLZEg4wRn5t2e3rWHtWo6f8Pq9F+hp7O71/4bY9J1fxNpGgzRxaterbSSozxqUZi4BAOMA5PI46mq6atDea7pbWmrlbe7tZJY7M2p/fgY+feRlMZ6HGc1lXNts+IXhiO5Akkh0+4+ZhnDAIM/XrVjU/+SoaD/15XX/sla8zv82vzM7K3y/yJ5/H/hi2k2TaqisJGjYeU52MrbTuwvyjPc4B7VqajrWnaVZx3V9dLHFKQsRUFzIT0CquSx+gNcfoUMX/AAr7xOfLTMlzfl/lHzcsOfWqN9qE2n6N4Eu4Qpmjtsq0qSOjEwAFSI1ZskE4IBxg1mqsuS77Rf3l8ivZef4G5rHi/T9W8Ia62gXtx9otLWQtIsEsJiYD+8yjDD0zmtc69Y6Rouny6tdFHuIkCDa0kkrbQThVBZvfiuNa5hvPBvjK7kv7efUbqFpLi2hjeMW4Ee1RtkAY8DkkDJqXVlay1/RNSvdSudLsH0oW63kMaMsUmQdrFlYKGGOePu0lUknfvy/+3f8ADbj5Vt6/p/w52UPiXSLjRrjVYbxWs7UN577G3RbeoZMbgfbGaXSfEmk65PNFpN4LloQC5RGC4PoxGG6dia4+6t9PPgnxZf6fql1qjXVsRLczRqqOVQgbCqKG4OCRmu20WNItBsEiRURbaMBVGAPlHatoSlKVn2X43/yM5JJff+heooorQgx7n/kdtM/7B15/6Mtq2Kx7n/kdtM/7B15/6Mtq2KmO7KeyCiuN8ZWvg9Z2ufGFxuZoSIYJZ3woHUxop+8fXrWV/aOp6R8JdOW6uLlLq8mS3WZCZJkikc4xjJLhOBjkHHes/a2bXb/OxXJex6PRXFaAvh2w1+2t4dAvdIv5o38ia7jwbkYy2WDNk45w3NddeXcGn2M13dyCOCBDJI57KBk1opLl5mTbWyJ6K840uC6k+JGk6vqQZLrU7S5kELH/AFEQ2eWn1AOT7sataX4fsPGV5rWo+IY3u2S+ltLVTIyi3jjwBtAPBJ5zWaqSey11/DT7ynFLdne0VxXhvS7LxX4QtE8S266jLYzTW6yTEknY5XOc8kgCs/wzp2l6frfiLxDpNkltY2ETWkCpnEhQbpH9+QAD7Gj2trPo1f5WDk6ddvmei0V5bpVxojaTa6z4m0bU7qa4KSz6xPCdkTMcjb825UBIAKrjpXqPXpWkZX3JkrMyLn/kdtM/7B15/wCjLatise5/5HbTP+wdef8Aoy2rYojuweyCiiiqJCiqmqXo03R7y+I3C2geXHrtUn+lchoPgzTfEHh+11bxMkmpajfxCd5pJXHlhvmCoAcKBntUOT5rRRaStdndUV53Fc3KeCfGGj3dxJdDShNDDNKcu0Zj3KGPcjOM07wWngN7jTf7JFmdZWAH5N28Ps+frx61MaqlJJdk/vuNwsr+v4HoVFeR6SvgRr3Vl8UC0OoHVbgAS7t23fx0/GvW1AVQFGABgAU6c+eKkKceV2FooorQgKx9F/5C3iH/ALCKf+ktvWxWPov/ACFvEP8A2EU/9Jbepluilswtv+R21P8A7B1n/wCjLmtiue0h76Txhqh1K3t7eX7BaALbztKpXzLjnJRec54x+NdDRDYJbhRRRVEhUc//AB7yf7h/lUlMlUtC6rySpAqZ6xZS3PGbey8P2XwztNUspY7bxJtBt3tpj57y+ZgLsB5yOCMdK9lgLtbxmYYkKguB2OOa5rwT4Wt9G8PWBvdJtINVjQiWURIZM7j1cdeMd66mppw5V/X9f0hzlzMKKKK0ICiiigDHtv8AkdtT/wCwdZ/+jLmtiubml1KPxtf/ANl2lrcZ0608z7RdNDt/eXGMbY3z39Pxq59p8Sf9AnSv/BpJ/wDI9RGSSLaNiisf7T4k/wCgTpX/AINJP/kej7T4k/6BOlf+DST/AOR6fMhWZqzR+bBJHnG9SucdMiqHh7Sf7B8PWel+d5/2WMR+bs27vfGTj86h+0+JP+gTpX/g0k/+R6PtPiT/AKBOlf8Ag0k/+R6V1e/+YWdrGxRWP9p8Sf8AQJ0r/wAGkn/yPR9p8Sf9AnSv/BpJ/wDI9PmQWZsVh614fn1DVLPVNN1H7DfWivGrPAJkdGxuBUkc8DkEVJ9p8Sf9AnSv/BpJ/wDI9H2nxJ/0CdK/8Gkn/wAj0m4vf9Rq6GaRoE1lqlzqup35v9QuI1h8xYREkcakkKqgnueSSe1bdY/2nxJ/0CdK/wDBpJ/8j0fafEn/AECdK/8ABpJ/8j0JpKyE027mxRWP9p8Sf9AnSv8AwaSf/I9H2nxJ/wBAnSv/AAaSf/I9PmQWZsUVj/afEn/QJ0r/AMGkn/yPR9p8Sf8AQJ0r/wAGkn/yPRzILMLn/kdtM/7B15/6Mtq2K5K4uPEH/CYaeW0zTRKLC6CqNRk2lfMt8knyOCDtwMHOTyMc6v2nxJ/0CdK/8Gkn/wAj1KkrsbWiINU1DxDaX0sdnoEOq2bqPKaO7WJlOOQ4fjGc8jPHasGHwbqsPgX7IjWy6lFqH9o28Ck+VCQ+4RA+mM9sZP410v2nxJ/0CdK/8Gkn/wAj0fafEn/QJ0r/AMGkn/yPUcsW7tv+nfsVdmPFZ654h8SaXf6xpS6RbaWXkEZuVmeaRl28beAo568n0q5NpV/4o0S8sPEqNp6/bCYGspRueJGBRjncMnHI9ugq59p8Sf8AQJ0r/wAGkn/yPR9p8Sf9AnSv/BpJ/wDI9VaPn/Vv8hXZzk3gi/Xxlpl2mtaxcWsMUvm3EtzGWjOVwg+UcNg54PTqKsRQeIvDV/qkOkaMmqWl9cvdQS/a0i8lnA3K6tyRnJ4zxW39p8Sf9AnSv/BpJ/8AI9H2nxJ/0CdK/wDBpJ/8j1PLFbX6/iPmb3M200jVvD3w9ex00LeawUdtysFUzSMSzZbHALE++OlaWleH4NN8IxaGpBjW2MLtj7xYHc34kk0fafEn/QJ0r/waSf8AyPR9p8Sf9AnSv/BpJ/8AI9VaGq8rfIV5fqcmdJ8VXfhKPwjc6XBFCqrbvqv2pWQwqRyI/vbiBjBwPevQYoxDCkafdRQoz6Csr7T4k/6BOlf+DST/AOR6PtPiT/oE6V/4NJP/AJHpxsrvVtieoXP/ACO2mf8AYOvP/RltWxXJXFx4g/4TDTy2maaJRYXQVRqMm0r5lvkk+RwQduBg5yeRjnV+0+JP+gTpX/g0k/8AkehSV2DWiNiisf7T4k/6BOlf+DST/wCR6PtPiT/oE6V/4NJP/keq5kKzNK6tkvLOa2m/1c0bRtj0Iwa5DSW8WeG9Li0ddCj1aO1Hl295FepEroPu71bkEDGcZrd+0+JP+gTpX/g0k/8Akej7T4k/6BOlf+DST/5HqHZu6uv69CldKxjx+GdQg8E65BO0dzq+rLNLKIjhPMZcKiluwAAya6TSIJLXRLG3nXbLFbxo65zghQCOKp/afEn/AECdK/8ABpJ/8j0fafEn/QJ0r/waSf8AyPTjyx28l91/8xO738/xK/hHTLvS7TUkvovKafUp54xuDbkZsqeD39OtdBWP9p8Sf9AnSv8AwaSf/I9H2nxJ/wBAnSv/AAaSf/I9OLUYqK6A7ttmxRWP9p8Sf9AnSv8AwaSf/I9H2nxJ/wBAnSv/AAaSf/I9PmQrM2Kx9F/5C3iH/sIp/wCktvR9p8Sf9AnSv/BpJ/8AI9Q+GmuXvdea+iihnOorvSGUyKP9Fgxhiqk8Y7D+tJtNodtGTW3/ACO2p/8AYOs//RlzWxWPbf8AI7an/wBg6z/9GXNbFOOwnuFFFFUSFFFZ+t6xb6Dpb394kjxI6IREAWyzBR1I7mhtLce5oUVS1fVIdF0e61K6WR4baMyOsYBYgemSB+tWoZRNCkq5CuoYZ64Iour2AfRRRQIKKKKAMe2/5HbU/wDsHWf/AKMua2Kx7b/kdtT/AOwdZ/8Aoy5rYqY7FPcKKKKokKKK4WHxD4uvLfVNQsIdHltLC6mh+zusqyyLGezbiMke3WolNR39S4xb2O6orO0rW7TVtPsbiORI3vrcTxwO437cDPHU4yATVtby2eeaBLiJpYADLGHBaMEZBYds471d0STUVQTXNJluIYI9UsnmuFDwxrcIWkU9CozkjjqKlttTsLy5lt7S9tp54DiWKKVWaP8A3gDkfjSugsy1RVG51rS7JXa81Kzt1jfy3Ms6rtbGdpyeDgg496uRyJLGskTK6MAVZTkEeoNNNPYB1FFFAgooooAx7n/kdtM/7B15/wCjLatise5/5HbTP+wdef8Aoy2rYqY7sp7IKKKKokKKKKACiiigAooooAKKKKAMe5/5HbTP+wdef+jLatise5/5HbTP+wdef+jLatipjuynsgoooqiQooooAKKKKACiiigAooooAKx9F/5C3iH/ALCKf+ktvWxWPov/ACFvEP8A2EU/9Jbepluilswtv+R21P8A7B1n/wCjLmtise2/5HbU/wDsHWf/AKMua2KI7A9woooqiQrlfiQQvge5Y8Ks0BJPQDzV5rqqr3tlbalYzWd9Cs1vMpSSNujA1M03HQqLSepieP2A+H2sEkAG2IHPUnpW5Ygrp9uGBBESgg9uK56DwFYRvCt1qOq39pbsGisru63wqQcr8uAWA7Bia6ilFPmcn1t+F/8AMG9Eu3/A/wAgoooqyQooooAx7b/kdtT/AOwdZ/8Aoy5rYrHtv+R21P8A7B1n/wCjLmtipjsU9woooqiQrzfw/oeq6xa63DDrzWOnS6pdRywQ2qmRgW+bEhPy5HtXpFQ29rb2iutrBHCJHMjiNAu5j1Y46k+tZygpSu+z/T/ItSaVl/W5yN2th4d8a+HICyWllFp89tE8rYUEeXgFj3wPxqPQ7621Hxj4vuLGdJ4TBbqJIzlSQjg4Pfkdq6+90+y1KDydRtILuIHPlzxK659cEUQafZ2xc21pBEZEVHMcQXcqjABwOQATgdqmVOT0v3/EpSS/D8Lf5HlzaFpg+CNldLZRLckwSmcLiQsZVUnd16HHXpXSahpVho/jvwoNKs4bQN9phbyUC7kEWQDjrzzzXWf2bY/YFsfsVv8AZFAC2/lL5Ywcj5cY4PNSSWtvNcQzzQRSTQEmKRkBaPIwdp7ZHHFP2aTuvIlS0s/M4HTW8N/8J34qGvHT/tAmj2C92/6vyl3Y3cfXHtntWz8OAV8HJ5e/7KbmY2gfOfJ8w7OvOMVPaeFIG1fWbjWbWyvoL25SaBJYxJsxGFOQwwDx2zXRqoRQqAKqjAAGABSpQcbN9rf1/Xcc5J6LuLRRRWxmFFFFAGPc/wDI7aZ/2Drz/wBGW1bFY9z/AMjtpn/YOvP/AEZbVsVMd2U9kcX8Rm1qDw/eXdhqX2G0t4lb/R8iaVy+CC38KgEdOSe4HXQ8Yahe2ul2Fppk/wBnutTu47RZwMmINksw98A/nVD4kXssnhu80e00zUry4uYlKPbWjyRj5xwWHQ8dPpS63Lc69oVjqWmabfLcaXfxXH2S5gMMkqrwwUN14Y4PtWDau16fdfX8DTovn+SsILa68K+KtIhi1bUL6y1NpIJYr+fzijhNyspPI6EEdK3/ABJq39heGr/Uwqs1vCWRW6Fuig+2SKwFnu/FfirSLiLSr6wsNLaSeWS/g8lnkZNqqqk5OMkk9Ksaqt94t8G63YtpktjcB5ILdJmx52wgq4JAwGI/+vTbapyS87emn67Arc8b+V/69DO0G80iW/sftHijU7rUpmDZeSWO2uHxyiKVERX0C8+9T+L7H7NZ6hqlz4qv7OeNC9rBBcCKNCB8qeWP9YSfXOc8YqreXmo+LY9I06LQ9S0+W3u4bi7nuofLjhEfJCN/ESeBjse1TeIZ7G6ubuHUvBN7d32DHBdQ2iyeYP4GEw5T15II96ib9x287b9lt5jj8Sb+ZtxjXtQ8LacI5o7C/mijN5LJHuaL5Pm2L03Zx14HPXGKpeCdSlHw8iv9RuZrl4vtDySzOWdgsj9SfYVNpl3qHh3wVp39vQXt/fKgjmW0iNxIDyRnb1wAAT61keCGlufB0nh+80zUrKcxXG57q0eOPDu2AGI64YcfWtJt88uXezJivcV+6/Uo6RrWl6nDbX+t+J9Rivbt1YLbySxWsBJysQIHlkgcHcSSa9KrzKSTVr/wHH4PPh/UItREaWjzvDi2VVI/eCXOCMDOBzmvSoUMUKIWLFVALHqcDrVU+tthT3u9zKuf+R20z/sHXn/oy2rYrHuf+R20z/sHXn/oy2rYq47sl7IKKKKokr392mn6dc3kv+rt4mlb6KM/0rkNG0PUfE2jQazq+v6pbXF6gmjhsLjyYoEPKgKB8xwRktmuu1C0XUNNubOQ4S4iaJjjOAwI/rXIaHr2oeHdFt9G1fw9q091ZIIElsrfzop1XhWDg8cY+9jFYytz+9tbT9fnsaxvy+6Mi1rU28F+J7S+umfUNHE0Iu4vkaQbNyPx0bB7elWvC2n2BGn3a+JNRvLtoVka2l1RpVLFOcoTzjJ+mKrx6LqSeB/EtzfWxXUtXWac2sX7xo8ptSPj7xwO3c1ueHfDul6fpun3EWj2dterbJvlW1VJAxQBsnGc9c1NOMua8u0f1/phJq1l3f6HK6LbWurTapLq3ijU7WdNSniSFNVaIBA3ygLnpXoyjaoHJwMcmuM8K+F7CaPVJ9Z0O2e4fVLh0ku7RS7JuypBYZx6V2dXRTVNX7L8hVHeb9X+YtFFFamYVj6L/wAhbxD/ANhFP/SW3rYrH0X/AJC3iH/sIp/6S29TLdFLZlbSLqa78Yao9xY3FiwsLQCO4aMsR5lxz8jMMfjnjpXQ1j23/I7an/2DrP8A9GXNbFENgluFFFFUSFFFVr+C4ubGWGzu2s52HyTrGrlOf7rcH8aHohlmiuCtofFFx4tvtHPi6YJa28Uwk+wQZYuWGMbe2K7qNWSJFkfzGCgM5GNx9cCphLnV7f1sOSs7D6KKKokKKKKAObmvZ7Pxtf8A2fTLq/36daZ+ztENmJLjr5jr1z2z0q5/bV//ANCxqv8A39tf/j9Ft/yO2p/9g6z/APRlzWxURTtuW2Y/9tX/AP0LGq/9/bX/AOP0f21f/wDQsar/AN/bX/4/WxRT5X3FddjH/tq//wChY1X/AL+2v/x+j+2r/wD6FjVf+/tr/wDH62KKOV9wuuxj/wBtX/8A0LGq/wDf21/+P0f21f8A/Qsar/39tf8A4/WxRRyvuF12Mf8Atq//AOhY1X/v7a//AB+j+2r/AP6FjVf+/tr/APH62KKOV9wuuxj/ANtX/wD0LGq/9/bX/wCP0f21f/8AQsar/wB/bX/4/WxRRyvuF12Mf+2r/wD6FjVf+/tr/wDH6P7av/8AoWNV/wC/tr/8frYoo5X3C67GP/bV/wD9Cxqv/f21/wDj9H9tX/8A0LGq/wDf21/+P1sUUcr7hddjkrjV70+MNPc+HdSDLYXQEZkttzAyW+SP32MDAzk5+YYB5xq/21f/APQsar/39tf/AI/Rc/8AI7aZ/wBg68/9GW1bFSk7vUbei0Mf+2r/AP6FjVf+/tr/APH6P7av/wDoWNV/7+2v/wAfrYoquV9xXXYx/wC2r/8A6FjVf+/tr/8AH6P7av8A/oWNV/7+2v8A8frYoo5X3C67GP8A21f/APQsar/39tf/AI/R/bV//wBCxqv/AH9tf/j9bFFHK+4XXYx/7av/APoWNV/7+2v/AMfo/tq//wChY1X/AL+2v/x+tiijlfcLrsY/9tX/AP0LGq/9/bX/AOP0f21f/wDQsar/AN/bX/4/WxRRyvuF12OSuNXvT4w09z4d1IMthdARmS23MDJb5I/fYwMDOTn5hgHnGr/bV/8A9Cxqv/f21/8Aj9Fz/wAjtpn/AGDrz/0ZbVsVKTu9Rt6LQx/7av8A/oWNV/7+2v8A8fo/tq//AOhY1X/v7a//AB+tiiq5X3FddjH/ALav/wDoWNV/7+2v/wAfo/tq/wD+hY1X/v7a/wDx+tiijlfcLrsY/wDbV/8A9Cxqv/f21/8Aj9H9tX//AELGq/8Af21/+P1sUUcr7hddjH/tq/8A+hY1X/v7a/8Ax+j+2r//AKFjVf8Av7a//H62KKOV9wuuxj/21f8A/Qsar/39tf8A4/R/bV//ANCxqv8A39tf/j9bFFHK+4XXYx/7av8A/oWNV/7+2v8A8fqHw1PJcXuvSzWsto7aiuYZihZf9FgHOxmX34J61vVj6L/yFvEP/YRT/wBJbek001qO+jC2/wCR21P/ALB1n/6Mua2Kx7b/AJHbU/8AsHWf/oy5rYpx2E9woooqiQooooA5XTv+Spa1/wBeFt/N66qiipjHljb1/Ft/qVJ3d/62sFFFFUSFFFFAGPbf8jtqf/YOs/8A0Zc1sVj23/I7an/2DrP/ANGXNbFTHYp7hRRRVEhWVrWtf2RPpkf2fzvt94trnft8vIJ3dDnp04rVrlfGn/H/AOGf+wxF/wCgtUybVrd1+aKSvf0f5HVUVg+L7qwt9FWPU4Lm6S5nSCO2tnKPO7dEyCOOOcnGK5vwqsun/ESayj0VtCtp9N85rMTpIjusgUSAISAcHH4VPtPf5f62uPl9256FRXlMHhuwv/BXiHVLnznvLW6vZLWXzmH2co7MNgBwORknv+VXbrSLfSbTwxrtrJcNqt1e2yXF3JOzPMso+ZWycEegxxiojVbs2t7f+TbFOCXXv+B6TRXCXmlWGtfFK9s9ULSQf2ZC/wBl80qspDsMsARuxn6c1c8CILObXdLtJWk0+wvzFahnLeWCoLICeyk4q4zcna3f8HYmUbL7vxVzr6KKK0ICiiigDHuf+R20z/sHXn/oy2rYrHuf+R20z/sHXn/oy2rYqY7sp7IKKKwfGN7d6f4cebTrn7JO08MYm2K2wPIqk4YEdCacpcquCV3Y3qKxNF0/U7e4aa+8RvqsBQqIzbRRgNkc5QZ/D3rVupJYbOaS2gNxMiFo4QwXzGxwuTwM+povpcVtbE1Fcr4Y1PWrnxPrdjrs0DG1S3eOK3TCRbwxIDHlug5PpwBVW/8AEEl5rl7b/wDCRWugWFjIIPMcxeZcy7QzY8zgKuQOASTnmo9orJlcjvY7SiuU1+51S1sNEtrXXBFNd3Yilv1gjO9fLds7SCo6DpWtotlqFosrahrj6ssmPLLQRxhMZzjYBnPHX0qlK7att/X6iaskzVoooqiTHuf+R20z/sHXn/oy2rYrHuf+R20z/sHXn/oy2qrp2qXcfjbU9G1GfzUaJLuxygXEZ+V14HOGA6881ClaVu/+RdtLnRUVztnq9xd+MNWU3Cx6VpcCRuGChTMfnZi3UbVwOuOan0/xfoep3sdpZ326aYExB4XjEoHXYzKA34E01OLsJxaNuisO48ZaDa6o2nTagBeLKIWhETsysQCM4HT5h83T3q9Z6xYX9jNd2s+6CB3SVmRk2Mn3gQQCMUc8X1DlfYvUVXsL631OwhvbJzJbzoHjcqV3KehwQDVPxLeT6f4W1O8tH8ueC1kkjfAO1gpIODxRKSjFyfQIrmaSNSisK61G6j+H8upJLi7XTDOJNo+/5W7OMY69sYqvHqcz6b4ZnuNW+yy3nl+Yn2YP9rZo9xTIHydzn2xTcrScfT8XYSV4p+v4HS0Vhap4z0DRriWHUL7Y8OPN8uCSURZ6BiikKT6HmsfVvFFra+LNDvJdQkttLns7h2WTfGJCCoXMZAJbrgYz6VDqRXUrlZ2tY+i/8hbxD/2EU/8ASW3qfR9d03X7Z59JuluEjfY42lWRvQqwBH4ioNF/5C3iH/sIp/6S29U9bP8ArYXcLb/kdtT/AOwdZ/8Aoy5rYrBgmuU8V3902ia/5MllbRo39h3nLK85YY8rPR159/Y1pfb5P+gN4g/8EN7/APGqzjVp2+JfeU4S7Fyiqf2+T/oDeIP/AAQ3v/xqj7fJ/wBAbxB/4Ib3/wCNVXtaf8y+8XJLsXKKp/b5P+gN4g/8EN7/APGqPt8n/QG8Qf8Aghvf/jVHtaf8y+8OSXYuUVT+3yf9AbxB/wCCG9/+NUfb5P8AoDeIP/BDe/8Axqj2tP8AmX3hyS7Fyiqf2+T/AKA3iD/wQ3v/AMao+3yf9AbxB/4Ib3/41R7Wn/MvvDkl2LlFU/t8n/QG8Qf+CG9/+NUfb5P+gN4g/wDBDe//ABqj2tP+ZfeHJLsU7b/kdtT/AOwdZ/8Aoy5rYrBgmuU8V3902ia/5MllbRo39h3nLK85YY8rPR159/Y1pfb5P+gN4g/8EN7/APGqmNWnb4l943CXYuUVT+3yf9AbxB/4Ib3/AONUfb5P+gN4g/8ABDe//Gqr2tP+ZfeLkl2LlZ2s6Dp2v20cGrQNNHFIJECyvGVbBGcqQehNS/b5P+gN4g/8EN7/APGqPt8n/QG8Qf8Aghvf/jVJ1KUlZtDUZrZMzIvBOgRWM9otk7QXBVnWS5lc5XO0qWYlSMnkYNWNN8LaPpN+b2wtPLujGYmmaV3d1JBIYsSW5A5PIxirf2+T/oDeIP8AwQ3v/wAao+3yf9AbxB/4Ib3/AONUlOindNfgHLUfRkcWhadDpl1p8VvttbtpGnj3sd5kzv5zkZyen4Us+i2FzaWdtPBuhspI5Ldd7DYyfdOQcnHvmn/b5P8AoDeIP/BDe/8Axqj7fJ/0BvEH/ghvf/jVP2lLuv8AhtvuDln2Zzl94Qh1rxxd3msWCzWLWUUcMvmbWWRXYnBUhl4I9Aa6PTNLstG0+Oy0u2S2t4/uon8yTyT7nmj7fJ/0BvEH/ghvf/jVH2+T/oDeIP8AwQ3v/wAaqYypR2a/DvcbU3umXKKp/b5P+gN4g/8ABDe//GqPt8n/AEBvEH/ghvf/AI1V+1p/zL7yeSXYuUVT+3yf9AbxB/4Ib3/41R9vk/6A3iD/AMEN7/8AGqPa0/5l94ckuxTuf+R20z/sHXn/AKMtq2KwZ5rl/FdhdLomv+THZXMbt/Yd5wzPAVGPKz0Rufb3FaX2+T/oDeIP/BDe/wDxqpVWnd+8vvG4S00LlZmv3WkWmlM3iFYmsWYK4mgMqZ6jcMEAcdTxU/2+T/oDeIP/AAQ3v/xqj7fJ/wBAbxB/4Ib3/wCNU5VKbVuZAoST2ZxGjHSrz4g2l14IgEenx20iajLbQmK3c8eWvQAsDzwOneut0/xHY6jY394vmwQafNLDO86bcGP7zDGcirX2+T/oDeIP/BDe/wDxqj7fJ/0BvEH/AIIb3/41URnCKtzLqNxk3dpnEeH/ABboMvxE1t49ShK34tY7Y8/vWCsCBx6kCmW19oPhnxH4hg8TW8cc15dGe3lltS/2mJ1HyKQDnDZG33ruvt8n/QG8Qf8Aghvf/jVH2+T/AKA3iD/wQ3v/AMaqLwsveXX8fmV71/hfT8DjNFOk6P4B06DxvbwxwySSSQQ3tt5iwgsSqn5SFO1uhwecVJ4PW0m8ZaleeGIGh0CS2RTsiMcMtwG5aNSB0XgkACuv+3yf9AbxB/4Ib3/41R9vk/6A3iD/AMEN7/8AGqpSpqSfMtP8ravqJqbTVnr/AJ3LlFU/t8n/AEBvEH/ghvf/AI1R9vk/6A3iD/wQ3v8A8arX2tP+ZfeRyS7FO5/5HbTP+wdef+jLasfxy/8AY1zpXihVJXTZjHchephk+U/XDbTWlPNcv4rsLpdE1/yY7K5jdv7DvOGZ4Cox5WeiNz7e4rS+3yf9AbxB/wCCG9/+NVlKcJXtJLUtRkuhxcuiX0vwjv8AyY3bUtTBvp0UZZ2dg5QDudg24punvo+tX2lp/wAJRqOoTQTpPFZ+RGDE6j+MJECgHIOSBXbfb5P+gN4g/wDBDe//ABqj7fJ/0BvEH/ghvf8A41RekpXUlbTr226h77Vmu/4nP+Fo0/4TDxZJsXebyJS2OSPKXjP41g+I0udN8QajoNmsgj8UmMwsoyI3JCXB9vk+au++3yf9AbxB/wCCG9/+NVkzWctz4rttYm0/xAyWlu8UFt/wjt78ruRufd5foAMYqW6dox5l5+nX7xrmu3b/AIc3ba3jtLWK3gXbFCgRF9ABgVleMf8AkSNZ/wCvKX/0E0y7uNfe5ZrG21CGDjak3hLUJGHHOWBUHn2FOsbnW45ydStNTuItvC2/hW/iYH1yd3HXjH41c6kJxcW9/Nf5ijCUWnbY5W78FaEnw7lv1tp/tA0szBvtkxG/ys5278de2MVYuv8AkG+AP+viH/0Q1dj9vk/6A3iD/wAEN7/8ao+3yf8AQG8Qf+CG9/8AjVF6XM2mlqu3R3FafKk0+v4o8yutWnjk8UaUJraztLu+lWea4triR4FZQrNlEKHIGQCwxnvXRslpL468KG1kS6t006cwTZDbgAgDA+uO9EWh6zYLd2+jz69a2VzM83lyeE7uWSMucttfYO54yDit7SIo9F0i206z0bxF5NtGEUvoV4WPuf3XUnmsqUopLmktLdeyfn5lzTd7Lv8AoZmhAL8RvFIUYBS0JA7nY3Naei/8hbxD/wBhFP8A0lt6ufb5P+gN4g/8EN7/APGqzdKmuYNS1qSXRNfC3F6skZ/sO8OVFvCueIuOVbg+nuK1U6aSXMv6uQ4ybbt/Wh74v/H9L/1zT+bVNRRXinoBRRRQAUUUUAFFFFABRRRQAUUUUAQr/wAf0v8A1zT+bVNRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAQt/x/Rf9c3/mtTUUUAFFFFABRRRQAUUUUAFFFFABRRRQBC3/AB/Rf9c3/mtTUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVDB/rrn/roP8A0BaKKAP/2Q==)

For evaluating Fuzzy rule 330 from the Fuzzy rules table *Tab 2*, we taken set of input values as we displayed in the *Tab 5*. All the out values are generated according to our fuzzy rule. The fuzzy crisp outputs are generated after Defuzzification. In this FLC we are using centroid method for Defuzzificatio

PART 2: Optimize the FLC Developed for Part 1

Based on our knowledge of Greenhouse farming we have created FLC to control the environment of Greenhouse. For our FLC we have well defined membership function and rules to perform the operations. In this section we are going to optimize the membership functions and rules to increase the accuracy. To achieve this, we are using Genetic Algorithm.

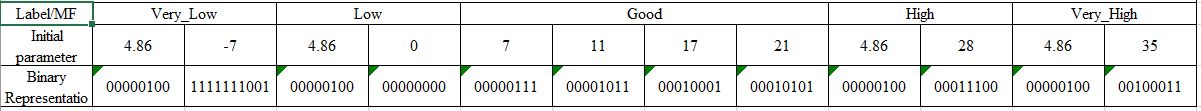
1. *Membership Function Optimization*.

For our FLC optimization of membership function can be achieved by Genetic algorithm. To implement Genetic Algorithm, we must convert MF’s of each parameters into genes and our FLC must be represented as chromosome. Thereby each gene of input and output is represented as binary format of 8 bits. We have implemented the FLC using Gaussian, Triangular, two-sided Gaussian, Z-shaped and Sigmoid membership functions. For each membership functions we need 2, 3, 4, 2, and 2 parameters respectively.

There for total of (12+10+12+10+2) x 8 = 46 x 8 = 368 genes. Genes of 2 input and one output is given below.

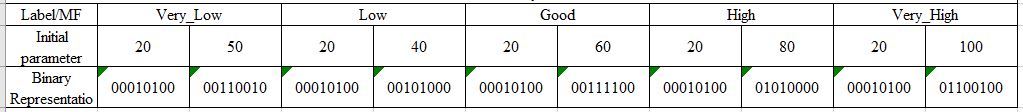
1. Temperature Sensor: For temperature input sensor we have 4 Gaussian MFs and 1 two-sided Gaussian MF. *Tab 6* explains the binary genes of temperature.

Tab 6 Temperature MF with Initial Parameters as Genes



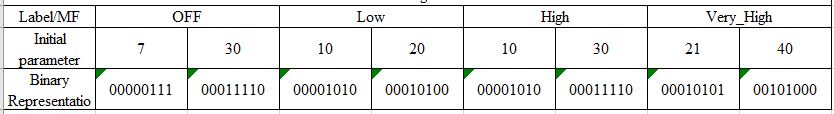
1. Humidity Sensor: For humidity input sensor we have 4 Gaussian and one Z-shaped membership functions. *Tab 7* explains the binary genes of humidity.

Tab 7 Humidity MF with Initial Parameters as Genes



1. Cooling-Fan Sensor: For Cooling-Fan output sensor we have 2 Gaussian, 1 Z-shaped and 1 Sigmoid MF. Tab 8 explains the binary genes of Cooling-fan.

Tab 8 Cooling-Fan MF with Initial Parameters as Genes



Before we begin the GA optimization, we must finalize the values for the crossover and mutation parameters. In general, the crossover parameter has a value between 0.5 and 1. Also, in this case, a crossover parameter value of 0.7 yields the best results. Likewise, the value of the mutation parameter is typically held low, ranging between 0.01 and 0.001. The fitness feature and the termination criterion are also included MSE. We will continue with the optimization after we have determined the size of the chromosomes, the values of the mutation parameter, the crossover parameter, the fitness function, and the termination criterion.

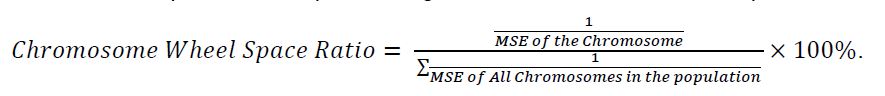
The genes are often seen to be actual for illustration purposes. In the physical world, though, value occurs in binary form. Assume that a group has two chromosomes and that two chromosomes are initialized.

Since we have a huge number of genes on a single chromosome to demonstrate, we can only take the first 30 genes of the input and the first 25 genes of the output.

Tab 9 Initialization of 2 Chromasomes



In the second stage, a data collection containing multiple predicted inputs and outputs is passed to the chromosome to assess its performance. To score each chromosome and measure the error for each chromosome, use the fitness function (i.e. MSE). Exists in binary form in general, so it must be decoded before the MSE can be determined correctly. In this stage, the stopping criteria will be checked, and if the stopping criteria are not met, the optimization will be continued.



Then, for selecting chromosomes for mating, we can use the roulette wheel selection process. Better chromosomes (lower MSE) take up more room on the wheel than lower-yielding chromosomes. The above formula determines the wheel's space ratio.

Assume chromosome 1 has the lowest MSE, followed through chromosome 2. Evaluate the impeller space ratio by each chromosome as 75% and 25%, respectively. This implies that chromosome 1 is more likely to be chosen for mating (with a 50% chance) than chromosome 2. (25 percent probability). The number of round rotations is equal to the number of chromosomes in the population, and the chromosomes chosen in the first rounds are chosen to be related to each other. No chromosome is chosen; only the best chromosome survives.

*Before Crossover*



*After Crossover*



To measure the pairing of the first and third chromosomes, use the crossover probability (0.7). Assume the relation is between the first and third chromosomes, which were chosen in the first and second rounds, respectively. Determine the chromosome's roots. Then, score the second and first chromosomes for mating (probability 0.7) and decide whether or not to mate. The weaving's separating point is chosen at random once again.

*Before Mutation*



*After Mutation*



*New Population after Mutation*

**

For step 7 Determine if the current population has more genes than the previous population and if the former population has been replaced by the new population. The circle is repeated until the stop condition is satisfied. After the optimization process is completed, the best MF for an FLC is created.

1. *Fuzzy Rule Optimization*

The fuzzy system was developed with the help of technical experts. Based on these features, you can build rules and membership functions with experience. However, the system's existing rule base might not be the right option. GA aids in the creation of the optimal number of rules. First, list all potential rule combos. The maximum number of rule variations for a given FLC is 1,20,000. This is obtained by multiplying all of the potential inputs and outputs together.

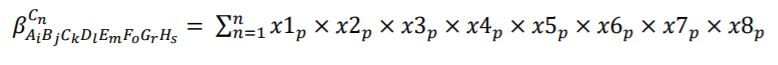
1. 4 inputs with 5 MFs each and one input take as constant
2. 4 output has 4 MFs each and one have 3 MF

As a result, the number of potential rule variations is (5 \* 5 \* 5 \* 5 \* 5 \* 5 \* 4 \* 4 \* 4 \* 3 = 1,20,000). Just 625 of the 1,20,000 rules will not be overlapped; all other rules will coincide with the remaining rules. Non-overlapping laws can be found by merely multiplying the inputs (5 \* 5 \* 5 \* 5 \* 5 = 625). The fuzzy rule is shown below.

![Text, letter

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAkACQAAD/4RDmRXhpZgAATU0AKgAAAAgABAE7AAIAAAAJAAAISodpAAQAAAABAAAIVJydAAEAAAASAAAQzOocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEFrc2hheSBWAAAABZADAAIAAAAUAAAQopAEAAIAAAAUAAAQtpKRAAIAAAADMzYAAJKSAAIAAAADMzYAAOocAAcAAAgMAAAIlgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADIwMjE6MDU6MDcgMDA6MTI6MjIAMjAyMTowNTowNyAwMDoxMjoyMgAAAEEAawBzAGgAYQB5ACAAVgAAAP/hCxtodHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLjAvADw/eHBhY2tldCBiZWdpbj0n77u/JyBpZD0nVzVNME1wQ2VoaUh6cmVTek5UY3prYzlkJz8+DQo8eDp4bXBtZXRhIHhtbG5zOng9ImFkb2JlOm5zOm1ldGEvIj48cmRmOlJERiB4bWxuczpyZGY9Imh0dHA6Ly93d3cudzMub3JnLzE5OTkvMDIvMjItcmRmLXN5bnRheC1ucyMiPjxyZGY6RGVzY3JpcHRpb24gcmRmOmFib3V0PSJ1dWlkOmZhZjViZGQ1LWJhM2QtMTFkYS1hZDMxLWQzM2Q3NTE4MmYxYiIgeG1sbnM6ZGM9Imh0dHA6Ly9wdXJsLm9yZy9kYy9lbGVtZW50cy8xLjEvIi8+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczp4bXA9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8iPjx4bXA6Q3JlYXRlRGF0ZT4yMDIxLTA1LTA3VDAwOjEyOjIyLjM1NTwveG1wOkNyZWF0ZURhdGU+PC9yZGY6RGVzY3JpcHRpb24+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iPjxkYzpjcmVhdG9yPjxyZGY6U2VxIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpsaT5Ba3NoYXkgVjwvcmRmOmxpPjwvcmRmOlNlcT4NCgkJCTwvZGM6Y3JlYXRvcj48L3JkZjpEZXNjcmlwdGlvbj48L3JkZjpSREY+PC94OnhtcG1ldGE+DQogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgIDw/eHBhY2tldCBlbmQ9J3cnPz7/2wBDAAcFBQYFBAcGBQYIBwcIChELCgkJChUPEAwRGBUaGRgVGBcbHichGx0lHRcYIi4iJSgpKywrGiAvMy8qMicqKyr/2wBDAQcICAoJChQLCxQqHBgcKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKir/wAARCACJAvEDASIAAhEBAxEB/8QAHwAAAQUBAQEBAQEAAAAAAAAAAAECAwQFBgcICQoL/8QAtRAAAgEDAwIEAwUFBAQAAAF9AQIDAAQRBRIhMUEGE1FhByJxFDKBkaEII0KxwRVS0fAkM2JyggkKFhcYGRolJicoKSo0NTY3ODk6Q0RFRkdISUpTVFVWV1hZWmNkZWZnaGlqc3R1dnd4eXqDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uHi4+Tl5ufo6erx8vP09fb3+Pn6/8QAHwEAAwEBAQEBAQEBAQAAAAAAAAECAwQFBgcICQoL/8QAtREAAgECBAQDBAcFBAQAAQJ3AAECAxEEBSExBhJBUQdhcRMiMoEIFEKRobHBCSMzUvAVYnLRChYkNOEl8RcYGRomJygpKjU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6goOEhYaHiImKkpOUlZaXmJmaoqOkpaanqKmqsrO0tba3uLm6wsPExcbHyMnK0tPU1dbX2Nna4uPk5ebn6Onq8vP09fb3+Pn6/9oADAMBAAIRAxEAPwD6RooooAKKKKACiiigAooooAKKKKACiufm8Y2kPjmLwqbK+e+lt/tIlREMQizjcW3ZHPGMZzVW/wDHttZ+K5vDsOjatfX8MC3DC1ijZTGTgNlpB34weaOwHVUVjeGfE1t4os7m4tbS8tPs1y9tLFeRhHDr97gE8Z461s0AFFVNS1Sx0exa71O5jtoFOC7nqT0AHUk9gOTWf4U8W6d4y0h9S0YT/ZlmeEGePYWKnBOOoH1wfahahsbdFFFABRWfpWsR6s14IbW7gFrcNblrmExiQr1ZM9V9D3rQoAKKK57R/Gula74q1bQNP857nSQnnyFQI2LZGFOckggg8daOtg6XOhooooAKK57R/Gula54q1bQNP857nSQnnyFQI2LZGFOckggg8daik8eaTB4+j8IXEd1DqM0XnROyL5Ui4zwwbOevBA6Ub28w2v5HTUVi2nie3vPFl74fjsrxbiyjWWWdkTysN93BDZyeeMdqx5PiVYpq2qafHomt3D6S4W7e3tkkVMjIIw+SMc8DPtQB2VFUdF1rT/EOkwano9yt1aTjKSLkfUEHkEHgg1eo2DcKKzNf1608N6S2oX6zvGHWNUt4jI7sxwqgDuSay7DxzaXXiaPQNQ0zUdI1CeA3FvHepHtmQddrRu4yPQ4NC1B6HT0UUUAFFZ9jrEd/qd/ZR2t3GbF1RpZoSkchIz8jH7wHc1oUAFFZ2v61B4d0G71a8imlt7SMySrCAW2jqQCQP1rn7b4l6ZIdNa+0zVtNt9UdY7S5u7YCKRm+6uVZtpPbOKFq7AdjRRRQAUVz2keNdK1vxXqvh+w857rSgpnkKgRsWyMKc5JBBB4qK+8eaTpvjqz8KXsd1FfXsfmW8hRTE4543bsg/KeCO1G9vMNr+R01FYsfie3k8YS+HFsrz7TDAtw8+xPJCHgc7s5JBGMdqyJfiTZR6xqmnR6JrVxJpTAXb29skioCMgjD5IxzwM+1AHY0VQ0XW9P8RaTDqej3K3NpMMpIoI+oIPII9DV+jYNworN17XbTw7pLahfrM8YdUVIIzI7sxwqgDuTWXYeOLW58Sx6Df6ZqOk6hPCZ4I71Y8TIOpVo3cZHocGhag9DpqKKKACis+x1iO/1S+so7W7jayZVaWWErHISM/I38WO9aFABRVe/v7XS9PnvtRnS3tbdC8sshwFUd65aP4jWslxpoOg63HaapMIbS9kgjEchIJBK+Z5iggE5ZBQtXYNlc7GiiigAornvEHjXSvDetaTpV95z3eqzeVCsKg7P9p8kYHbvSeMvGum+BtMh1DWobp7WWYQmS3RX2MemQSDjg9M9KOlw62OiorB1jxbaaMNLLWl3drqsohtzaqrfMRkZywwMZOfaovEfjW18Nappun3Gnahd3GpFltltI0fcyjJBy4xgc+lAHR0VhaB4w0zxDeXVjbi4tdQs8faLK8hMU0YPQ4PBB9QSK3aACiisLXvGGkeHdU0vTtRlf7Xqk3k20Ua7iT6n0HvR1sHmbtFFFABRWffaxHY6pYWLWt3M96zKskMJZItozl26KPStCgAoorF8VeKLTwhobarqMFzPbo6owtlVmBY4HBI7+lAG1RXMaf480y71m30q9tb/Sb66TfbRahBsE4HJ2MCVJ9s5rp6ACiiue8O+NdK8UarqthpXnM+lyiKaR1ARyR1Q5yR74FHWweZ0NFcyPHmkjx6fCEsd1DqXleajOi+VIuAeGDHnB6ECrlj4nt7/xRf6FFZXiT2Cq00zonlYYZXBDEnI9qFqGxtUVxbfE2wF/qdqmi63L/ZUnl3ksNqsixHGc/K5JGOeAa6fSNXsNe0qDUtJuUubSdd0ci9/wPIPsaFqrhs7F2iisjxP4ltPCmitqV/DdTxiRYxFaReZI7McABcjNAGvRXLeHfHP/AAkeqGzj8NeItNRYy5uNU05reP8A3QT1NdTQAUUVn6ZrEeqzXscVrdw/Y5zCzXEJRZCO6Z+8vvQBoUUVmeItdt/DOgXWr30U0ttarvlEABYL64JGaTdtWNK7sjTorjl+I9t/xLnuPD+uW8OpSpFbzy28ewlhkZxISOPauxqrMm4UUUE4GTwKQworn/DHjTSvF1xqcWkecRptx9nkkkUBZDjOU5OR7nFQ23jzSrjx5P4RaO6h1OGPzf3iL5ci8H5WDHsRwQKN7IO/kdNRWLpnie31XxBqWkQ2V5HLppCzSyogjJIyApDEnjnpWGPihpxm1JRo2ttFpcxhvJ47VZEhYck/K5JGOcgGlcDtqK4b/hc3gD/oZLf/AL4f/CitPZz7E80e53NFFFQUFFFFABRRRQAUUUUAFFFIwLKQGKkjGR1FAHn3hT/ib/GDxdrB+aOxWDS4W9Cq75B/30wrnLaXxXqXjTxzrvg+GxlkWePS4XuXO9PKADFBjacFieTjivQfC3gu38JwanHZ6pqN02pXL3Ust0YmZZW6su2NR6cEEcU/wf4OtvBlhc2llqF9epc3D3LtetGzB2OWOURep9c0R0t5L8dL/qD6+b/BbfobdrCILdVIUOeZCqgbmPUnHcmvOfiPfax4a8SaFquma1IWvr37CNNml22+HTCsVHLbXwSevOOK9Mri9T+GllrNvqP9qarqFzd3cgeC6d13WQV96rEMYABHcEnv2pdUwW1jc8P6HLo9g0d9qt5q9xLL5zzXrhtrEYIQAAKvoB0zXKfBf/kT7/8A7C13/wCjTXXw6NNb6CunQ6xqCzAc35MbzEk5J+dGQZ9NuB2ArC8O+BbLwVpN9CutapfabKJZp7e+MDIS3LtlYlbnnjOOelO9m2+3+X+QWukvP/P/ADOuEsbbcSKd33cN1+lVdZuI7PQr+5ndkiht5JHZGKsAFJJBHQ+9eN+C9Eh1iw8My6Xpk0N2upSalc3b2rxrawEuViRmAGG3j5V4xk17HrWlQ67oV7pV0zpDeQPC7RnDAMMEj3pTi+Rrr/X9fIcWuZX2OA0keK5PgLBPpl3dXmu3EAuBJLNumZGfcVVmzhthIGfatP4eNZ6lLc6rpWuaxPBsFtcaXqsskklpcKfnzvJKk5HHTuOtWYfAElppenW9n4n1iK409y0dwWibeNgTa0ZTZtAHAAHryea1vDfhi38OLeyLdT3t3qE5uLq6uNoaR8AdFAUAAAAAVbtzNr+v6/MjXlSZU8d+IptB0DZp0ck2qXz/AGeyiiQu5cjlwo6hVy34D1riPAIt7L4vXtjaWd7aR/2JBlb2ExySMrsC5B65Jzn1rvbnwjDdeNrXxLLqmoGa0haGG03RfZ1VsbuNm7JwOd2ePTio18F26+Pm8W/2nqBvGtvsv2YtF5Hl5zjGzd15zuzUx0ab8/yaX5lS1TS8vzT/AENax1L7deXkK20qR2zhFnYqUm4BJXBJ4zjnHNY/jvxFNoOgbNOjkm1S+f7PZRRIXcuRy4UdQq5b8B61n/DCN49F1BriyuLS6uNRuLidJrdogGaQ4A3AbsLjkce9a1z4RhuvG1r4ll1TUDNaQtDDabovs6q2N3Gzdk4HO7PHpxStdJMd7NnA+ARBZfF69sbSzvbSP+xIMrewmOSRldgXIPXJOc1S8V28tyuu+ObRS0+h63G0JXq0EIEcqj2OXP4V6K3gmBvHUnipdW1JL17U2ghUw+SsfXgGPOQecknn24qXRfBllo/hi70Jru81C1uzKZWvDGXPm5LjKIo6knkU7uyfVX+/muhWV2ujt91rMyfh7cx6xceIPEiMGiv74pC/YxRKEH4ZVj+NUPhdcRNoPiHxVeuscWpalcXRkc8LEh2j8MLXT6P4PsdA8FJ4Z0m4ure1SFolnDIZl3Zy2Su3PJ/hrFs/hVp1vottol3rmtX+j2+AunzywpE4znDmKJGcZ7MxBoe7S7W/r7gW2ve/9feVPgnbSx+Anu3QxRX99PdW6EYxGznb+BHP4034r3upeHLaw8SWGszxG3vYYhp/nCOGdWJDBh1Y8g57AcCvQ4YY7eBIYI1jijUKiIMBQOgArldX+Htlr8uqPreoX14t9E0UMbuNlkpxnyhjg5AOTnpRLdW6W/D/ADBdb9f1LmhafPoWn3ep69rtzeSTr9ouGnkAgtwBkiJcfKo/E1h+H9Pm8W+Mk8bX0LW9lbwNb6RA4w7RsctMw7buw7CtG+8Aw6n4Jfw3qGu6vLHMyma8EyCZ8HIXlCoXgcBR0+tVtH+GkOla1aajceKfEmqmzDeTb6heJJEpK7c7RGOce9P7V/u/r8Ba8tvvOy82P/nov3tv3u/p9aWVlWF2c7VCkk5xgV4VbaNY+IY9dg0bSpGvL3XALSQWriG0iidQ0yvjaCQh5ByScV7hNarc6fJaTFtkkRiYqcHBGDUu7hdf1pcraVn/AFqed+DZfEWofCXU7/TL+4udUvZLmTT2vJjIUXcRGoLewGO2al+HjxanqJu4da1yO8sofs+qaNqszyMkxwQ+GOFHBxt+Ug9sVoWHw2XTfDttpdl4k1mI2kySW84kjzGFBCps2bSuCc5GT3NbGgeFYtE1G/1Oe+uNR1LUNguLmcIuVQYVQqKAAPz96rRN/wBf15/eS7tf1/XoYPxkuJf+FfSaZbMBcavdQ2EefV3Gf0BrCv7fUpPH3hbw34wks309Qbqwj0xGTdNCOPN3knAByNuOetdt4q8GQ+K7rTZ59W1GwfTZvPgFn5OPMxgMwkjfOB+FGl+CrKw19tdvb2+1fVfK8lLu/dCYk6lUVFVFz7LmlHR3ff8ATT8dRy1Vl2/XX8DVttS+06rd2aW8gS2VT9oJUo5OcqMHOR3yB1rI8deIpdA8PkafHJNql6/2eyhiQu5cjlgo6hRlvw96zvhtGtzDrutKgA1PVZpEIGMoh2KfyXNa114Rhu/Glp4km1TUPOs4mihtA0X2dQ33jjZuycDndn8OKVrpX6/1/wAAd7N+RwPgMQWPxeurG1s720T+xIci9hMckjK7Zcg9ck5zVfxpYTaxJ4p8TWSlrnw/eW5tCOpEA3SD6He/5V6EfBVufHjeK/7V1EXhtvsogBi8kR9cY8vd15zu/TipdA8I2ug6Zf2P2281CK/mkmmN6YyxMn3h8iLwcnrmm72T6q/3810Gl32dvutZmF8PtQi8Ravr/ieJt0FzJFbwt/sRxjP/AI8Wqr8L54n0bxF4pvHEcWo6lcXBkbosSHaPwwtdHoXgnT/DXg1vDej3F3b2zCQCcMhlXeSSQSu3PPpWTZ/CrT7bRbfRbrXNavtHg6afNLCkT85w5iiRnGexYg0Pd27W/wA/yJW2vf8A4YqfBS2kTwNLeMhjh1C+nubdCMYjZzt/Ajn8ab8V73UvDtnZeJNP1meE215DGNP84RwzqxIYN3Y8g+wHSvQ4IYraBIbeNYoo1CoiDAUDoAK5XVvh7Za/Nqb63qF9eLexNFDE7jZZKcZ8oY4OQDk56US3VulvwGut+v6l7w5o+oafa3F3f6xc6lfXoEjJM/7iFscLGoHyr+ZrjLeXULb41WP/AAnEFu93c2kkejzWEhMEajl1ZWG7ef72SMdhXVSeCFm8KJo0+u6u8iSJKL8TKJgyn5cfLtA4+7txTrLwWieIIdb1rVbvV762haG2adY40hVvvEKij5j3Jz+FP7V/62Fry2f9anR+bGOsi/e2/e7+n1pZSqxOznaoUknOMCvC4NHsPEC6/Bo+kyNeXmthbR1tXENrHEyhplfG0E7DyDknivb5bVZ9Pe0mZiskRiZgcHBGDU6uF1/WhW0rP+tTzvwZL4h1D4Varf6Zf3FzqV5LcvpzXkxkKLuIjALew47ZqT4ePHqeo/ao9a12O+sYfI1TRtVneQrMcEPhjgDg42/KQe1aNj8NU03w7Bpdn4k1mI2syy284kjzGFzhNmzaV5OcjJ7mtjQPCsei6lfancX9xqOpX+wT3M6ouVUYVQqKAAPz96rRP+v69fvJd2v6/r0OX+KpbUtT8J+GiSLbVNS3XI7OkS79p9icV6ERHGgRVU+WuVQYzx6VjeJvCtt4lWykkubiyvdPm8+0u7fbvibGDwwIII4IIrJl8OXPh+11zX21LUtd1iaxMcQkjT5doJVY440GMk++am9ov5v8CrXkvkvxZv8Ah7X7XxLpC6jYxzRQs7oFnUBsqxBPBIxketXb28g06xnvLyQRQW8ZkkduiqBkmvMPh9oMul+ILa08T6dLcXthax/2ZdLZsIoUdcyAtyA+7IJJyewFd14s8LxeLtG/sy61G+sbdnDyfYmjUyYOQrb0bjI6VUlbYUWnueP6/qkuoTaTruoaXqVvd3mv2zRyT2xWKK3BKogY+xz9Sa9B8a6fF4o8VaR4dnG6A2txczj0yvlqf/Hm/KtbxR4JtvFelWFheanqFrFYzJOjWpiVndPult0bDj0AFT23hWO38XP4hbU7+a4e2W18iQxeUEByMAIGzkk/e70rJrle13+SS/FBd35utv1/yPNvAGoz63rXh7Qr4k3PhlLlboH++reXGT9VBNdNd/8AE4+PNnD96LRNLaVv9mSVsD/x0V0eleDdK0bxVq3iCyWQXurbPtAYjYNv90YyM5yck1mN8PFHiDUtYtfE+uWlxqe0XAha2xtUYVVJhLKAPQ596d22m99b+r/4f8AsrNLbp6GPYY1T9oTUbux+aHTdKS1uZF6GVm3Bc+oFdl4n0+bUtBuIYNVuNKwjM1xbuEcAKf4v4RnBJHpT/D/hzTPDOnGz0iAxozmSSR2LySuerOx5Yn1NQa/4bXxDPaC61C8hs4WJms4HCx3XQgScZIGOgIzUte6o/wBdxp+85f12OK+HV1rHifw9Y+JdY1m9ePT0eJLOykyLtkyrPKAMuxI4Ue1cl4h1XzdV0LXNZsdWj1S41lGaB9KuV8iFVbZEhMYDHnJC5ySa9Y8O+CbXw1ql7dWOoXrW9zK8qWLOohgZzltoABPPqTjtUvibwhb+KbjTZrrUb60Om3AuYVtTGAzjoW3o2fwxVX95S9PzuybaNev5aGtYX631hBctDNaGaPf5FymyRB6MvY1ZVg6hkIYHoQc5ry/xmmjy/FXS01CxmuhbWEs9x5Fq8zTEkKkbBAeDtJweCa6n4d6Nc6F4KtbS9hFvKXkl+zj/AJYq7FgntgHGKS1V/wCtx7OxnWtxd3nxuvoIL67+w2Gmx+dbeexiMrnIOzOAdo/WuflbULnxveaR4l1vWtF1K5vPM0e4gncWc8CkHywqkKWxkENz3rrz4Dtv+Er1HXI9V1GFtQQLNbRSqse4LtDZ27uAehOM84qGy+H4ivNMk1TX9S1WHSXL2cNyIgEbGNzMqBnIHqaI6Wv/AFrf/hvLQJdbf1p/Vzr1BVQCckDGT3rz/wCKROoXPhjw+nJ1DVUkceqRDef6V6DXMa94Ij13xJZ64Nc1Swu7GNo4Ba+QUQN944kifk+tHVPzDo15HOfEULqHjvwTpFkN15FeNdvt6xQquCT6Aniu10LxBbeII7t7SGeIWly9tJ5yqMupwcYJBFUtK8J2Ph2S91OA3WparOh828vJPMmkAHCDAAUf7KgCqHwvjki8EwrcW9zBctI8twLiBoiZGYs2AwBPJ69KI7NfP5v/AICB9H8vz/VknxB1+bTNJi03TY7ibUdTbyY0toy8iR/8tJAB6A/mRXLfDRreD4l+J7Ozs7mygS1tCkN1EY3GExkj3xXbJ4RhXxu3id9U1CW4MH2dbZ2iMEaZzhRs3DnvuqG28EQWvjDUvEkWsan9s1GEQyRkw+Wij7u0eXnI7ZJ980R019f+B/XmEtVb0/4J5x4jhkddQ8fWwJl0rXQysO9smInH9a7b4fXUeowa54kLfutQvneN/wDplGNq/oK1NK8FWOmeELjw493eX1ncCQO90UMmHznlUUd+4qTT/B9jpPgdfC+m3N1bWi25gWZGQzBTwTkqVz77aWsYtLtp+F/y/Fjdm033/wA7fmct8MriKDwbrfifUWEaaje3F5I7dowSB+gqx8FbSa2+HMMsyNGt3czXMKEYxG7kr+lWLT4WafDpFrpF9rWsalpNqAE0+4khSJgOQH8qJGcezEiu2iiSGJYoUVI0AVVUYAHpVaLbyXyROr37tnnPxTvdU8NvpniDTtZmRlvYrddOaURwSq+Qdw6tyQc9hV+78DanqHhxopfEM9zqE93FemS8HmQxMhB2Rou3antnPvVrVfh1Za6dUbWdSv7tr5SkG91xZLkHEQxxyBycnip5/BAuPD9ppz6/q4uLWZZ0vxMnmlx6jbt2/wCztxSjovn/AJf5XKer/r+vIo6b4q1ux+IMfhXxMlhO11am6tLywjeIEKcFXRmbB9w1dn5sZxiReTgfN1PpXOWPgy3tdam1zWNQudW1Brc24muQiLFF1KqqKAM9zya8w8PaNaa/ZwNo+lSreT6614JjaskVnbo5PyOQFG4Dop5yaFq0v63/AMvyE9Lv+tv8z2vVJ47bSLyeZmSOKB3ZlYqQApOQR0NcF4Z/4Sa4+CJuNPvbi61u6hea2lupd7/M2VG5u+3gZrvNW02LWNHu9OuWdYrqFonZDhgGGOPeuZt/h8bTw/Zada+JNYjlspVkiut8ZPyjaFKFNm3HbHPUnNK2/wAv+CPsZvw8eDU71r611vWxPaxfZ9R0fVZnkaKfrvIcnb7beDUnxkmlfwTFpNqV+0avew2iBuhBbJzjtgV0Xh/wtFoV5fX8t7cahqGoMrXF1cBFLbRgAKigAAe1QeJ/BcPijUdNvZdX1Gwl0yQy24tPJKhyMbiJI3ycfhTlrb5f5sUdL/16Ffw5b+IYdWuLXxPLpr2kEUY0+K1jC52j5nwxLZHT0rqRLGduJFO7kYYc1y8HgyCwvr/WNS1PVNfuZrXySl75RAQZO1EijQc9+DmuC0XwGGHhWO70WeNt9xe3jmBl8pT92AnHyg5+5xnHSi99xWsj2dXV13IwYeoOa4/4ha7LZ2MGi6dFcz32psUZbSMySRwD/WOAPbge5qL4VW5tPCksDWM9i/2uWRoZLZoVTcxO1QQMgD04rWtfCMNt40ufErapqE9zPCIPs8rRGGNAcgKAgYf99c96GtUug07XON+F0kEXjjxbaWlpcWUCNAyQXMXluo2Acr+FYWro8S/8LDgB3WmvMXb1tc+UfwGAa9Gs/AsFj4k1jW4NZ1T7Vq0YjmBaHZGAMKUHl8Edsk++alsvA+n2ngebwtNc3d5YzRvG0lwU8zDc9VQDIPTii7spLdJfn/wPxCy1XRv9DM8AXUc2g6x4kkP7vULya6Df9Ml4X9BWX8O5odO+F2p+IdUZUW/lub6Z36FSTt/TArrIvB9lbeBl8K2V1d2tktt9mE0TJ5oTGDyVIyR7Vk2vww09NPs9N1LWNX1XTLIKIbC6khSH5em4RRoXx/tE0NLVLsl8v6SBN6N97/197Plr7Wv/AECpv+/J/wAKK+z/AOytP/58bf8A79Cio+r4fz+9f5Gv1mv5FuiiirMgoqG7u7ewtJbq9njt7eFS0ksrhVQepJ4FVtI1qx121a50x5ZIA20SSW8kSv7qXUbh7jI96AL9FFUZNa0+LXIdGkuVGoTQtPHBgkmMHBbpgDJxzQBeoopHcJGztnCjJwCT+Q60ALRXID4qeDjZy3Y1SU20JKyTixuCiEHBBbZgYNdXb3EV3bR3Fu2+KVQ6NgjIIyDzQBJRRWWfEmkDxQPDv21Tqxt/tP2YKxIjzjcTjA5PQnNAGpRWPqvizRND1ax03Vr5bW71BtlqjxviVs4wGA256cZ7ipLvxJpdjr1po11cOl/eKWghEEjbwOp3Bccd+eKNwNSobu1hvrKa0uk8yCeNo5EyRuUjBGRz0rD1Lx74c0jWJdK1C/kivYoxK8ItZnKof4sqhGPfpWtperafrenx32kXkN7ayfdlhcMp/Lv7UboNmSWFhb6Xp8NlYoY7eBAkaFy21R0GSSasUVW1LUbTSNNuNQ1GZYLW2QySysCQijqeKG+rBLoizRXD2nxn+H99eQ2lp4khlnncRxRrDLlmJwAPl9a7gHNHmAUUVRXWtPfXZNGS5VtQjhE7wAHKoTgEnGOo9aAL1FFFABRXLXfxK8K2TN52pSNEkwga5hs55YFkzjaZkQoDnjG6uoVgyhl5BGRR0uHkLRRWXrfiTSfDiWja1eLai8uFtrcFWYySNwFAAJ/HoKANSisvX/EmleF9LOo69d/ZLMMFMxjdlUnpnaDj8aZqfirRtH0u21HULwpZ3TKkMqRPIHLfdHyg9e1AGvQRkYrG1zxbovhuO1fWrt7Zbx9kH+jyPvb+78qnn260/RfFOi+IXmj0fUIriWA4mhwUkj9NyMAw/EUbgWNI0ax0KwFlpUJgtwxYR+YzYJOTjcT3q9RRQAUVzd94/wDDenTXMdzfSEWbbLmaG0mmit29JJEQoh9ckYroLe4hureO4tpUlhlUMkiHKsD0ING6uHkSVBeWcV/aSW1z5nlSDDeXK0ZI/wB5SCPzqckKCScAck1S0jWbDXtOW/0i5W5tXZlWVQQCQcHqB3FG4bE1lZW2nWUVpYQJb28KhY44xhVHpU9FZXiDxLpPhexS8126NrbvII1k8p3G49B8oOM0N9wNWisTVfF+iaJ9g/tS7e3/ALQYJag20pMjHouApweeh5rbByAR3oAKKzNd8RaV4as47rW7sW0UsohjOxnLueigKCSePSsMfFTwcWYf2q42TCBy1lOAkh4CElODz0NC12DY6+isbUPFmjaXrNlpV9dtHe3/APx7RCCRvN+hCkcd+eO9K/irR08UL4da6Yaq8fmrb+RJyn97dt24989eKANigjIxXPaj468PaVrTaTe3kq36IJDBHZzSNtP8Xyocj3qbTvGOharpd7qGn3jTW1gzLcsLeQNEQMkFSu7ge1LS1w62LukaNY6FYiz0qEwW4ZnEfmM2CTk/eJ71erFsfF+hal4ak8Qaffrc6XGGZ7iON22hThvlxu4+lX9K1Wz1rTIdQ02UzWs67opDGybh64YA4qtQLdFFFIAooooAKKKKACiiigAoorm734g+GNPup4LjUifszhLiWG2lligb0klRSiH/AHiKAOkopsciTRLJE6ujgMrKcgj1p1AGPc+KNOg8QR6JH591qDKHkitoi4gU9GkbogPucn0rYrz34bN53ibxvNNzcf2y0ZJ67FUbR9MV1us+JdJ0FoY9Tuik1wSIbeKJ5ppcddsaAs34Cj7Kff8AUOrXYnTRrCPW5dXjgK300QiklEjfMg6DbnHH0q9WPovirSPENjc3ekXEk0Vq7RzhraWN42AyVKOobPtisgfFTwcbJ7warIbWMlXnFjceWpBwQW2YHPFHkHmdc7rGheRgqjksxwBQjrIgeNg6noynINcDNJB4m+JslvqZSXR9K06O6ihmH7uR5MnzGB4OAOM9OavxeJvBng+I6bZy/ZohG12sVrayyoyk7mZCqkEc5IHT2o6ah6f1/VzsKKitrmK8tYrm2ffDKodGxjIPQ1LRsG4UUUUAFFFFABRRRQAUUUUAFFFFADJYknheKUbkkUqwzjIPBqvpel2ei6bFYabEYbaEYjjLs20emWJNW6KAMdfFGnf8JF/Ydx59resC0K3ERRbgDqY36Nj0zn2rYrz34rt5P/CLzw8XSa1CsTDqAchv0r0Khaq/nb8n+oPR/wBef+QUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAV5vr3iDxfofxAtNLintr2LXIJlsIPJCJaSow+ZmzuYBDuI7kYGK9HfcY22EBsfKSOAa88vvhzrN/NYazceIoX8TWd0JUvWs/3KRbSpiWIMMAhiSc5J/DC+0v6/ruPozF8U/2/N408JeE76aLxBKiTaldGUC0huGRsR7wobCqTnAByQK7Lwx4vu9T8S6r4c1zTYbDVNNWOU/ZpzLFNE4+VlJVSOmCCKNZ8H3d5qeja1p+qLHrWlRtF59zBvjukYDcrqpXHIyCDwexrKv8Aw3/YOmeKfFfiHUmuNRurPdK9lutkijiUlY0IYsMnqd2TntQ5csW35/8AA/T+rBbmdl5f8H9f6ueg1xfh3VNS1H4l+KLeW7E+m6aIIYEMKApIy73XeBkgZHU1zXgg3V1r3hc2OuXeqvDpTSaxMbxpYssqeUhGSoYHcf72ASc5roLHwNrWnXniSSy8SrbR6xPLcQlLMGSGRwACzFvmC44A2+5NU1yv5P772/zJT5l93+Zj+F9f8SeJNWaN/Ecdhq1lfH+0NAuLRFCWwYgFCV3sSNpD7iDntXoWu6kmjeHdQ1KQgLaW0kxz/sqT/SudsPCGqz+LtP8AEHiTUbK4udOtnt4RY2jReZvxlnZnYnpwo4GTWh458N3fi7wjeaHZammmfbAElna3Mx2ZyQBvXk9M56Z4qJJ8llv/AEv+CVFrnu9v6/4Y4H4bDVx4V0Hw5qHhn/iWarbz3V9eTurrKr/NtwpypJkH3uwPHp66iLHGqRqFVRgAdhXH+L7nUPDPw3SOyuUjuENvaPeRR7FgRnVGlCknaACTyTiq3g2QyeNNXXR7y4u9CgtoIhNLcvOklz8xco7E54Kg4OM+9aNpydv6/rREK6im9/6/4c6rX9btfDmgXerX7YgtYy5A6ueyj3JwB9a8g8MXtpN8YPD96LtLnU9SsbqS/ZVYBHJQhBkDhVAUf7teleJ/C+oeIdY0eePVobbT9OuRcy2T2Zk+0uM4y/mDAGcjg8889Kh1zwffat490PxFDq8NtFpCyKLQ2Zcyhxhsv5gxxjHy8e9THSSk/P8AL9X+RUtYtL+tf6+85H4m6PN4s1zUoLLJufD+kLd2zDqtw0nmDHvthA/4FWl4O1qPxr41t9bhwYrPRIVx/dlmO5x9QEWum0Hw3e6X4i1zVL/Uob0arKjrGloYjCqrtC7i7bhgeg5z61U8DeAbfwLaarDp93532+8e5QvFgQqRhUxu5C49s+1EdF+Pzd7/AJ/gEtfy+Wn+X4mV4QH9rfFnxjrJ+aO1aHTIW9Ni7nH/AH01V/hWqnxL45lsQBpraywhC/c3hRvK/jU+j/D3xJpGm31hD4vt44tQupbm5uLfSilyWkOW2u0zKvoDsJFdj4f8P6f4Y0SDStIh8q2hHGTlmJ5LMe5J5Jojol6W+ejf4hLVv1v92i/AxviJc+IdP8K3epeGr6G0ewhe5kEkAkMwXB2c8AEBsnr0xVfw9/a3jG0/tXW5YV0HULYeTo5gViynBEjyZzk/3RwAR3q94g8M3viTUhBf6ko8P+UPN05IcNPJzy0mfucg7cckCm+B/DOp+FdETTNR1hNQhtkENoqW/liOMZxu5JZsEDOQOBx3JHrf+u//AAP8wl0sULwr4j+JNrpUQB07w6gurgD7rXDjESf8BXLf8CFdtWF4U8M/8I3Z3Ynu/t17e3Ul1dXRj2eY7H+7k4AGAOe1ebeIr6FvE/jO2TXdQWSC2ihtLCLUZFkmvHVipRQ2Rgso2rgccjileyt8/wCvyXyHa7v/AF/XX7z2auG8Iavq+pav4vmkuBfQWN61rYIYkQ5RclSygEjccZPpXWaNHdw6HZR6i5ku0gQTOTnc+Bk/nXH6R4D8QaLpGq2Vh4pSFrq5e4tpFsQSjPJvJky2XP8ADwVGD3ptWk15P81/wRJ3in5r9Sh4G1zX/E9xaXLeJk+020rLrWh3FmkTW3BwqfLv4OOWYgjP0rU+Luq3WneBGtdOlaG71a6i06KReqea2CR/wHNW9H8JahH4yfxPr17ZzX32MWaR2Ns0SbN24sxZ2LHP0wKu+M/Cy+LdEjtBdGzuba5ju7W42bxHKhypK5GR1BGR1olZpX+f36/gCum3933f5mZeX3hvwjaaF4RvNPlljvAsNpBHa+ajsmDz2yCA2T9a7McAYGK4tPB2s6h4y0rX/EWsWk/9mQypDa2do0ahnAG/czsScA/pWT4O0Jtc1HV9QuNY1drK21hxYwi/k2/u8KxbJ+YMwPyngdgOad7vXzf42Fay09PwPSicDJ4FeA+P/E2l+IxPqxvFZrHUraDTYNrfcWZfMlzjHzEceyivZfFekahr3hu70zSdVXSprpDG10bczFUPB2jeuCR3zWL4l8B3OvfDu38LWmqW+niNYle4WxLgiMgjanmDbyB1JqV8SfZr89Sulu9/6/rsRfEC2i15dA8OTjdFqd0XnX1ijjLH/wAeK1xfhe8m1C18N+DL47rrRtXmjuQf+edspKH6HfHXog8L6k/jHTNbudXt5IbCya2+yrZFSzNjc4fzDg5UcYPH51HZeAbSx+Jt/wCMYrk+beWywm28vhW43PnPUhV7dutVHSX4/Nbfl+JL1X9dd/z/AAMnxiP7W+K3g/Rx8yWvnalMvso2J+pNV9UVZP2itG+wACaPSJTelO6F/kDfj0rVvPBmvP49uvE2neIbCCSa1W0ihuNKebyYwc8MJ1ySTnJGPatTwz4Qt/D1xeX891NqWrX7Bru/uAA0mOiqo4VR2UUo6Wb6X/G6/Kw5a3Xp/n+dzU1aHULjTZItIuo7O6fAW4kj8zyx3IXoT6Z4rgfA2ueL/F9tbtc38NjHpVw9vqEotkZr+RGIKqM4jXGDkDOc44Fdl4j03V9Vt4bbSNWXTI2ci6kEO+R4yOVQ5+Vv9rnFYvhbwLc+E9cvzpuqImh3UxuF09bf51kKgHMhJ+XjOAAcnrRHd/1qD20PP9Nv9U0jwH4vsNE0g65pIuboJqqSqo2uT5hMbfM+zJ5XIOOK9S8A29na/D/RYNMu/ttolnGIrjGPMG3rjt9KwLX4f6zo+j6loOg65aw6RfySsPtFm0k9sJM71Vg4VupwSOM96x9ZsNL8K+I/Cfh+LXrrS7K3s5muGa+aJXhRQAMZAySScgZ44NEdFb0/BP8AL+rhLV39fxa/M7nxzqk2i+BdX1K1uTbT21s0kUgRWw/8IwwIOTgfjWBrmteINA+FenX8WXvtsH2+5itQ5gjb/WSiJRg49MY9qo6b4Y1PxX8I7nS7i+ntjeXLTWcl7umZYBNvjV9x3EFQOpziuil0TxXCmnyWHiK0eW3jdLmK5sT5M5bGCAjgrtxgZLcHkmiz1+X9fox9vn/X6od4Nk1C7jnvn8Sw+INIuVRrGdYo0kXj5g2xVU8+2fWue+LUtxe6h4U0Kwt1up7rUxdNA0mwOsI3YLYOBkjtXUeDPCo8J6RNbNcLcTXNzJdTNHF5UYdzkhEydqj0yaq3nhC9vPiVY+KH1aH7NZWz28dgbMk/NyW8zzOuR/d6ce9N/Ev621/MlbP+vL8tTldSudU8Q/F/wxpWraVDYJpsM2oskd35+7jYuflGOc16rXJW3hW60/4hal4vv9Yglt5rQQLa/YypgjTn/WeYc9yfl59qwfCF2l746njfUX1bcj3ttqFnqEjRmJ2wIpYc7VK9vXGeKUdUl6v+vl+Q3o2/T+vv/M7zU7OwlEV/qEKyHTt08TsT+7O05bHTOM1wvws0a31jwBJfavbiY6vqEmosrZGT5mUPHphTXaeJ9Ku9c8NX2l2F8lhLdxNCbh4DLsVhg4XcvOPek8LaLJ4c8Lafo8txHcmyhWETRwmIOAMA7SzY/OiO7fp/wfyQPZL+v61Zwes3Go3/AMdYf7I02PURoel/NHJciEI8zZBztPO0dKl8Ey3ev/FnxNrOpWiWslhFFpyRpN5oQgbnG7AzyR2rofDvhDUNF8Ua/rV3q8F7JrDKyoLIx+RtGFXPmHcAPpS+C/CF74Ug1b7Xq0Oo3GpXj3ZmWzMO127EeY24D6iiOiV+z+9v/JsJa3t3X3L/AIKRxLarr3/CyvGGu+HNDTV2sY4tOh3T7NjKMthQpLctkgEdK7HxYE0b4e6tNb28Vve6gmyTyhjfPNhM898t+lZml+AfFWjaZqlnp3i7To21O4luJbptFczK79Sp+0447cVq6t4Mvb/QNE0q01hII9Nnimmee1MzXJj6A/vF25PPftSS91Rfl/wR3tJyXn+Gx5w+7wRH4q8GxZRNThhm09fUzkRSAfQkmvbNOtUsdMtrWMbVhiVAB2wMVzfifwDa+JvFWga5PcmGbR5C5RY8idT0UnPADc966qYSNBIIGVJSpCMwyAccEiqv7uu/6LYm2um36vc841jX/GGj/EGLRUubW8XWbZ2sV8gKlm6tyWOdzgKc+544Fd7o9rf2elQwavqA1K8UfvbkQCEOf9wcCuIvPhxrF5d6frcniKJvEtrOXN69nmIRFSvlLGGGAAc9eTyaqeK7q2s/iHo9lqfiS6s4l06We9c3phWdBtUKFUgAkgnKjd6GktEl/XV/1+o3q7/12PT6wPEM/iWK4iHh6TRFiK/vP7SeQNnPbZ2qt8OY9Qj8D2f9qtcNK7O8f2p2eQRFiUDFuchcdea0NZ8JeHfEU0c2vaJYalJGu1HurdZCo9ASKGncEYcV54+MyCWbwjs3Ddslnzjvj3rf8SalNpHhLU9RhAM9raSSpxkbgpI/DNZkfwz8DxSLJH4R0VHQhlYWMYII79K6K4tYbuyltJ4w8EsZjdOxUjBH5UpXcWluOOkk3seK6Ha+HtS0O0vfEPgfxRruo3EYlnvprdpBKx5JX95gL6AAcV7LpSQx6Rapa2slpCsShLeVdrRjHCkZOCK5Gw8G+K9DtF0/QPGUEenQ/Lbw32kC4kiTsu9ZUyB7iu0tUnjtIkvJlnnVQJJUj2B27kLk4+mTVtrWxOvU5r4ma7P4d+HWrahZNtuhF5UJHZ3IUH8M5rB1fT7LwX8Ab21KrhdOKyE9ZZZBgk+pLNXYeK/Dlv4s8M3ejXcjwpcKNsqDJjYEFWA74IFYMvgnVtcbT4fF+sW15p+nusiWlnaNCLh1+60pZ2yB12jAzWfLdOL6/l/X6F3s0+35/wBfqbHga0nsPAei2t3nz4rKNXz1ztFbkj+XE77WbapO1Rkn2A9a8d8VtNHf+Nbq31TUo7PT7WGJI0vpEUXDc7shhtC714GBxzXqmgzpc6BZSx3IuwYV/fhs+YccnPf61o3z3l/WpCXLaP8AXQ5L4bRrd6l4m1xA0A1HUT/okgxLDsAX94v8LHGce4qp8Of+Ki8WeJvFd3+8k+2NYWZbnyoI+MD0yck1P8Ona58X+OLroh1YxKvb5UAJp8PgbxBosGq2HhbX7OysNSnedWnsmkmtWf72wiRQfUZHFStLP+7/AJfpcb1uvP8Az/Wx0evz2nhrwtrOp28McBSCW4kZFC75Np5PqScV5/8ADpNWHh3RPDOo+Gdml3lrJc3l1cOrrISQ2AFPykls/N6V13ijwbe+IPAA8M22tfZS8aRz3c9uZ2lVcE8b15JHXJrUvdQj8KeE/tF8wmNpCqAQxlfOfGFVVyTknAAyaNItv0/UNWkl/W3/AASbUPDWiar5f9p6VZ3ZjTy1M0Kthf7vPb26Vja54I/ta4vpYL1LUT6b9gt41t/lt1ySx4YZBzjAxwK53wJr9zBq3iqfXL2d/LWK7cXYeBYd0fKKJANqgjGelWvHd9cata+F7O2t5TPqF4Jngt7oKTGiFmXzFIBByvfFDW39b/0wT/r01/yO50u1lsdLt7W4lSaSGMIzxx+WpwOy5OPzNW64P4fXTLb6/fXNxJbWkN48YsLi5aUWXljDDexI5IzwcDNN1LXbzxHrnh/RbSR7G21CGS9untrgMzxKQFRZEPAYnJKnp3p7tef66iWi9DvqK5edrPwLbo0H227j1G+SJYZboyeUzD+DeThRgkjPrWf8QNXttR8EiLR7+Odr+9hs45rO4ztYuN2GU9QA1L09Py/zH6/1/VjuKK4HTmfRPiXLpWmXNxJp8elCe7gmuHkSKXcdpBYnbuAOQPriqXi7X5PEvhLw9/Z9rcxS6tqCbIEn8uRo1yzfMCOCB696O1v61sHe/wDWlz0uiuP8PvpOhwtfalIuiT3z+V9jvNSEgUr0C7jjcRyQK27XxT4fvriGCy1zTbiacsIo4rtGaQr12gHnHtQBq0V5ZrBm1X4maskelahqdrbQ29mRa3XlRwyPyzthwchSOQp6V3ukXWkWqR6LY6pDcT2qbDE10JJgBwd3Oc/Whaq4PR2NaivLV1Kz1vS9U1/xZqOpW1jJfNYWEdjLMpgAbYrBY+rludxBrurPxHoA8iyi12yln3CBUe7Qys4H3SM5LY5I60LVA9GbFFeOX2sX0Fr451eCyuri3mnaztplugqRkAJlVLZB3nPAr0PRLrTfD+i6XpN9qkEd55CKEuLkeZIxH+0ckk0LVX9PxB6O3r+Bh/FOEQ2mh6w37xdL1JJTbL9+fIK7UH8Tc5A713FtN9pto5hHJGJFDbJV2suexHY1wXxUdra68J3nVIdZjVl7HcCBXoNEfhfr+iCXxL0/VhRRRQAUUUUAFFFFABRRRQAUjNtQt6DNLQeetJ3toB4X/wALb1f/ACKK7v8A4VVo/wDeb8qK8f2Nbs/vPV9tQ8vuO5ooor2TygrN8QaHbeJNBudJvpJo7e5ADtCwDYBB7gjt6VpUUAR28CW0CxRjhRjOAM+5wAM1JRRQAUUUUABAZSGGQeCD3pFVUUKihVHAAGAKWigAooooAKKKKACiiigAooooAKydH8OWei3moXNs8ssl/ctdSGbadrtgEKQAQOBwSa1qKPMAooooAKKKKACiiigAooooAKKKKACiiigAooooAKyW8OWb+Kf7ed5WufswtvLbaYwoYsCARkHJ9a1qKOtw8gooooAKKKKACmpFHFny0VNxydoxk06igAooooAKKKKACiiigAooooAKyV8OWa+KJ9eLyvczQJA0b7TGqqSQQMZByT3rWooAKKKKACiiigAooooAKKKKAEZQylWAIPUEdaUDA4oooA4TRLO+8JeOtZhk0+5uNM1u6F3Bd28fmLDIQA6SAcqMjIbGK7uiijokHW4VnaroGn61NZy6lHLI1lMJoAlxJGFcdCQrAN+Oa0aKAOT8TeC4b+x1q40dNmr6pAsEsk11L5bqCPlK5KrxkZC96tN4QsNSGnXesQSpqFlB5KNZ388SxggZClGXPTrjNdFRQBx3ii2svDfgS70rQrbyp75WgtoYwzvLJJwzE8knkksfxNaK+ENOn0/TEnSaG5sIBFFPbTvDIgIG5dykcHHSugooA4XxP8P5NS0zTdM0K4+wWlj50qsbiQyGYrhDu5JGS2STnnvWnb+ErfVND0y38SWMUNxp7B4k068mjSNwMbgU2EnHqOM109FAGDc+GYLXw5qtn4fiS3u76GQGeaRnZ5GUgM7tlm+pzVKx8FWdzpOjjXbdkvdLi8uE2V/OixZGDgqUyT6kV1dFAHI6r4EtZrDT9O0yGJbKPUBd3f2qaSWSUcsRufcWJbB5Pasqy8C6rYalpl6iadJKmoz3t6fMZcl+EKnZ821cjBx9a9DooWj/AK8v8gev9ev+Zk2fhyw0t9Sm0tJILnUmMk8rTySZkIxuwzED6DFc54a8G6lYXmjtqRtY4tHhlRPIkZ2uJJCNztlRjgdOeTXc0ULR3B6nOyeBNBkuRK1vPsFz9rFuLqUQibOd/lhtuc89MU3QPC40/U9Yv7+K1ee/uvMjaIcxxgbUGcDBA9PXrXSUULT+v67A9Tnf+ED8Pf2IdI+yT/YTcfajF9tnyZN27du37uvOM49qpyeHtVbxvFqlusFpbKfLnZblpPtUQHyBo2TAcH+IN+dddRRsw3OE8VWV94u8UaTpdvp9zFp2mXgvLu9nj2RuUHypHnl+T1Ax713dFFC0Vg3dwooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiisTxlq97oHg7UtW0yKGa4soGnEc+drheSODnpSbSV2NJt2Rt1Fc3MNnayXNy4jhiUs7nooHU1xNx8RvK1rwfYR20bnX4/MnbJ/cAxlkx9SGHPoaq6t401JPC/ji8uobdLLShJbWVxDuzM+3ByD6MwXjuDRO8U/K/wCARtJrzt+J3Wl6rY61p0V/pN1Hd2k2THNGcq2DjirdeWeCtZ13QL3wp4XutNs4dPvdOZ0UMxuYvLC/PJ/D8xPQdCepqx4h+Jt5DHrdxoB0uK00ZzAZdQZma9uB1iiRWB6nG7nJ7VUrJ/f+DsTG8l/XU9LorzzXPHXiPStT8ORx6HbPFrBEX2ZpW8/zPL3E+iqpwCTk4ycVd1DxZrnhbQZrnxTaWE1/cXotdMtdPdgJi33dzPnHck44A6UnoNanbVFc3VvZW73F5PHbwp96SVwqr9SeBXG+FfFur6p4yv8ARNQ/sy7itbWOZrrTN+yGRicwsSxBYAZyMfQVJ8RNSmtxoemJZaffw6tqKW01texM4KffLAAgZXbnnPajt5/52Dv5f5XOyVgyhlIIIyCO9R3V3b2UBnvLiK3iBAMkrhFBJwOTUigKoVQAAMADtXGePNRlj1fw3owsdPv4NVvtksN5EXKhBv3rggZGO4PJFHVIOlztAQRkcg1n3WvaXY6va6Xd3sUN9eAm3gY4aXHXHr0rQAwABwBXmHirXNPg+M2m/wBpXUcMWjaZJOityzzzMFVVXqzELwByc0dUv62bDo3/AF2PT6gvb2306ylu72VYbeFd0kjdFHqay/Cl3r99owufFNna2N1IxKW9uWJRO27JPzew6VR+JeptpXw21qeP/WvbGCIerSfIP/QqUrpabjjZs6DTtRs9X0+G+024S5tZ13RyxnKuPUVZrK8MaYujeFdM05BgW1tHH+Siuf8AH3i/WfCc2mS6fp1rdWlzdxWzq7sZpWcniNRwMY6njn8aqVlKy72JjdxuztaK82i8a+MX8Y6n4c/svSftEFol3HcCSTyrZWz8sp6s3HG0DPPSum8BeIrvxX4LsdY1C2jtri4Db0iJ2HDEZXPODjNJaq/9f1oPZ2OjorC8YeKIfCXh99Qkga5meRILa2Q4M0rnCrntz39KxbPxTr9j400zQvEsOnP/AGrbSTRNYq6mBkxlG3E7hg/eG3p0oWrt/XcHornb0UydpEt5Ghj82RVJRN23cccDPb615xpfjHxxrl1rum6bpej/AG3SrryjcSSSfZyMA7PVnGTk8DgetG7sHS56VRTYt/lJ523zNo3beme+K4nXPFurr45bwxojaZZ3K2YuYn1NXb7WxJ+SMKy9McnJxnpR1sC2udxRVLR5dQn0a1k1q3jtr9owbiGJtyo/cA9xWJqGveKrbUJobHwY15boxEdx/akMfmD12nkUPR2Baq51FFc5pGt+Jb3UUh1XwkdNtiCWuDqMUu09htXmt66t1u7WSB3kRZFKlonKMB7MOQfcUANjvbWa7ltYbmGS4hAMsKyAvGD03DqM+9STTRW8LS3EiRRoMs7sFVR6kmvNPh3pdno/xS8b2mnQ+TCrWxC7ixJKZJJOSST3Neg6vo9hr2mSadq9st1aSkF4nJAbBBGce4FHRNdQ6tMh03xLoWsXD2+ka1p1/NGMvHa3SSso9wpJFadebTWMXiT4waXdaHGsdn4ahkhurqMYV5GGBAD329T6HivSaOiYdbBRRRQBn2evaXqGqXem2V7FNe2ePtECn5os9MitCvHNG8TSDX/FuoaCLe/1+/1L7LY2TtnfFCAhZsHKoOTuPH1r1yxN2bCE6kIRd7B5wgzsDd9uecULWKfoD0k0NvNSstPaFb67gt2uHEcKyyBTI3ooPU/SrNcB4GkPiDXPEHie5Tz547uSysVY/wCqhj4wuehZskms7/hP/F0l34msYtM0lZ9ETzmuGkkMKLs37G7s/bjApX0u+1/kO2tvOx6hRXnOpePvEFv4N8P67a6XYqNRa3WeOaRiS0rY2Rgeg5yT+Fblz4qvv+E9Ph7T7GKfy9NN5KzOVIkLYRM9ADg81TTTt6r7lcm91f8ArXQ6qivJpPiT4t/sHxJdx6bpAfw/cOk07NL5MoXHyIOpbnrkDpx6a1h468RT+JvDtve6TZ21hrkLyLDvY3MG1Qdzfw4Oenb1pLXb+r6jen9djs5Ne0uLXI9GkvYl1GRDIlsT8zL6j2rQryzVb3Vb74y6gfD9tbTXOj6UsYlvCwhiLkuc7eSTwMDHfn1v2nxQkn8C6NqRsIm1jV5jbQWgk2x+YpIZyx5CDGfWhaq/9btIHo7f1tc9EorznT/G/iO8PiK3gj0a/fSVRlv7dpEtgShZ1blixXGOCM57Vb8IeJvF/iuw0bVRpmm2emXCk3fmM5lbj70YzgKT0zk4oWv9dweh3dFYHjHxSnhPRFuxbm7uriZLa0tg23zZXOFGew7k1k6d4o1208c2nh3xJFp7vfWTXUMlirr5RU4KMGY7uv3hj6ULV2/rv+QPRXOp1TV9O0Wz+1avewWUGceZPIFBPoM9T7U/TtSs9X0+K+0y5jurWYZjljOVYexrzfUP7c1z45xw2r2BttDsxIEmV2CmU9eCPn2j6V6dDDHBCscMaRoo4VFwB9BQtY3B6OxW/tjTP7S/s7+0bT7djP2Xz183/vjOade6pp+m+X/aN9bWnmttj8+ZU3n0GTya8c8RSp/wu6x8RuVSCyv10xpTwAPJLNk/Un8qSfzfGvxs8OX1yGNnCk11aQt0ECfKshHqzEn6Yoj71vP/AIf8gl7t/wCvL8z1+/17SNKdF1TVbGyaQbkFxcJGWHqNxGaNP13SNWkdNK1SyvXQZZba4SQqPfaTivOfH+oWz/Frw7BdWNzfQaXaTX0sdtbGdgW+UZUduDXWeDLbTNSh/wCEss9K/s251WBA8ZIzsXO3IAGDzRHVX/r+tAlo7HSXN1b2UBnvJ4reJcZklcKoz7mpAQygqQQRkEd64zx/qM0V94f0lbLT7+HVL4RSwXkTPgKN29cEDIx3BqnfeMfEtr8Ql8NWmk6e63Fo01sfNfMIVtu+UjgKf7oGe2e9C1/rsrg9P687HoFFct8P/EuoeKNAmutWt7eK4gupbcta7vLk2MRuXdz2rD8a3/iO5+I3h7Q9AuraCPbJeyh2kG9VG3D7SMrk9Pajql3/AOHDo/I7XUte0vR7i1h1O9itpLt/LgWQ48xvQe9aFeY+O7rUbrxp4P0eG2hvNQRpL2RFJWEMq7QzHkhQST61c0n4kXEPg3WNX8TW1uJtNvXs1FiW2XThtqhNxyMnihbX/rovzDqv67/oehU2SRIo2klZURQWZmOAAO5NcFofjTXLzxta6NqEelzJcWbXM0dgzs9ic/KsjEkEn6L0rV+I+sXGh+CLu7s4LS5kZkh+z3iM0c29gu3AI9aHdL+vQFZux00FxDdW6T2ssc0MgykkbBlYeoI61JXnmv8AinWfB914e0/TNFsGsbxltktomZZC2zPyAcIqnjnPFWdD8V+Jr/VfEOlXdhpj3mmGPyXgldYvnGcOWycqOuAM+1DtrYOx3VFeRx/FDxVJ4FbxMNJ0wW1nc+TdFmkH2geZsJhHb6sT9K6dPF2tH4iafostjZrp99aPcIVkZpkC4wzfwgHPTr707Xdv62uD0/r5Ha1XvtQs9MtTc6jcxWsCkAyzOFUE9Mk8Vxa+Or+88N+K9TtobWGLSJpYbWSQsRKEHLHHfPHFT/De219/BlqPFE9teJcwCT5t7yHfyQ5ckEYOMCktVp5fiD038/wO0R1kRXjYMrDIZTkEUtcH4CnbTPEviPwoGJtdNmWazUnPlxSDIQewOcV3lHRNB1sFFFFABRRRQAUUUUAFFFFABRRRQAUUVFFdW88skcM8UkkZw6I4JX6jtQBLRRRQAUUUUAFFFFABRRRQAUUUUAFFIzBFLMQFAySe1YPhzxM3ieSe5sLEro6MUt72STBuWBwWRMfc9GJ59Mc0Ab9Z/iDT21bw3qWnJt3XdrLCu7pllIH860KKUkpKzGnZ3R5Gvwx8RR+DNFjhvbUeIrW8gklumJKQxJG0YVOOdqnOO5ye9dR4j8DS33guw8N6NJDFbR3cD3bXDNmWJH3v0ByzEd8d+a7Siqvd387/AJf5E2/KxxV/4c17/haVrrun/YGsE08WZa4dt8P7zc21AMMWGBncMe/Q4nhzwJrfhzU7mC10nw86yXslwmuzAvdCN23bfL2csM4z5mPY9K9QopLT8fxdxvX+uyscvqHhq91D4j6Trk0sB0/TLOVEj3HzDO5ALYxjG0Y659qp/EXwjdeJotIubG2sb+TS7v7Q1hqBxDcqVKlSdrYPORkGu0oo6Jdv87h1f9dLGH4XsdRsbKRdRs9L05GbMNjpikxwD3fau4n2UD+dZHjHw9rup+LPDuq6H9hdNNabzEvJGUIzqFEgCg7sDPy5GfUV2dFHVMOljmbHWNYu/iDfacIo20eztI984jIJuWOSoOcEBcHHbNYsrf278dYFj/eW3h/TWMhHISeZuB9di/rXfOiyRskihlYEMD0Iqrpmj6botsbfSLC2sYWYsyW0Sxgse5AHJ96Fo0+363/zB7Nd/wDgf5GPoWsarqfi7X4JoUGj2bxQ2cwjKmSTb+9GSeQDgZA9a5bX/hpqOtzeK7+SazGoahLbyaW+5j5AhwU3Hb8pJBzjPWvTaKVh3OK1jWfFemeH9KRbWxbW7y+ihNvBvmjSLPzksdvRRndgD2qx8Q/D+qeI/D1pbaOLaSeC/gupIbmUxpKqNkruCtjnHY9K62in/nf8hbfdY5LUdW8Q2eteG9Lto7Wee6Z31MxRNsiiVeqknj5sAZ6+lS+JPDV5rvizw5eiSBdP0qaS4mjdjvdyu1MDGOMk8kV1FFHmHl8jiI/B2rLceNL17m2F5rimKyZWYiKMRbEDZAwc5PGazrd/Ffg/wPoekwWunnU2uYLSK3tw8yrCB+8dmO3nAJzgAZA57+jq6sWCsCVOGAPQ0tC0/D8Aev4/icp488NX3iLTtMfTDAbvTL+K9SGdysc23OVLAHHXg4NV9N8P6lP4yl8X+K/sts9vaG3s7O3lMq28edzuzlVyx9hwB3rs6KFpt/WlvyDff+upzngfVNZ1nw2L7X7dIJpZpDCixlMxbjsJByQSMGo/Anhq88N6RdpqssEt/e3s13O8DFlJdiRyQDwMDpXT0UddPQP+H/r7zm9C1jVdS8X69bzQoNHs2jitJhGVLybf3oyTyAcDIHrXOeLfDHijxZb3GmX2naOVW8Eun6st0yy2cYYEEJ5ed+BjhsH1r0eijsMZChigjRmLlVALHvx1rm9Q+H+j6lfzXlxda0skzFmEOtXUSA+yrIAB7AV09FHW4tlY53SPA+laLqKXtnc6vJKoIC3OrXM6c+qO5U/lW/KZBC5gVXkCnYrttBPYEgHA98Gn0UAef+GfD3i7S/H2t63qNpov2TV2iykGoStJAEXHeABs/Vaf9v8AGPiXRvFEWjfY7VvtLW2k3VwHjBjGAzkgMTzuwQK72ilbS3lYd9bnnXhTRPiFoz6Xp9ynhex0W1Ym4FhJPJNMMH/nomMliCTkH3rofB+satrcWq3OpQpHbLfyR6c6xlDLAOAxyecnPPcVJp/igy+JZtA1ey+wagqGa3xL5kd1FnG5GwOR3UjI9+tdBVb6i20MjQU8QJpDjxJJYPqG99jWQby9uTszuAOcYzRo6eIF8OFNeksH1fD/ADWm4Q5ydn3hnpjPFa9FS9UM8psfhtrvh618N32i/wBmz6zpzzC+8yV0jnWU5PzhCxw3PI59q9Th80QJ9oKGXaN5QELnvjPan0VVyfM4H4fr/wAI/wCIPEHhm8PlzfbXvrQNx50EhzlfXByD6VXfwFrX/CD+LLIXNp/a2vXMs4dXbywrEAKWKgj5RjpXd3ulWGoyQSX1nDPJbP5kLyIC0beqnqPwq3U20t5W+Wn+RV9b+d/n/TPOtZ8LeKb7w/4cEMGlNdaTeJO9j57pCUVSqjzNpJIznO0fSpNA8L+K9M+IGq61ezabcRalHFvl3vuj2qR5SJjhcn7xPTtzx6DRVdW/6/rQm2ljzQfDrWP+FZv4ea6sje3uofab+Xe+x0Mu9gp25JxgcgVqan4a10/EfS9Z0v7A1jbWBtG+0u26HL5ZlQD5iQAOox+h7eiktHf+trfkN6/153PNIPDHjSzu/EwtU0oNr9yzrfNcvutYiu0Dy9nzEKOPmAyaTXPhm8Nn4YGiWGn6vHoSvG9hqbbY7gMAC2djANkZ5U16ZRQtEvl+Adf66nHXmga/e/DzU9IjGk2F7eRNFBBahkt7ZW4K7guWOM87Rz2rpNF05dI0Oy06PG21hWIY6cDFXaKO4HJ+O/DV/rq6Rd6T5El1pN6t0tvcOUSYYIK7gDg88HBqPRPDepS+MrnxZ4m+zQ3Rtxa2lpbymRbaLOSS5VcsT14wK7CobyzttQs5LS+gjuLeUbZIpVDK49CD1o22/rSwPXf+upwvw0DaprHijxIwzHqGotFbv/eiiG0Y9sg13zlxGxiCs+DtDHAJ9zg4/KmW1rb2VrHbWcEdvBGu1IokCqo9ABwKlo6JLoHVs85g+Gk+t+GJdN8YtAk0mrNqLvp87OJMsTtJZFI4OD7VoaR4V1e0+KF9r13Hpy6YbJLOySGdzLEqnupjA59m4967aihabf1pb8geu/8AWt/zOL0Tw1rdv8Tda8Rasunm0vYI4LUQ3DvJGqf3lMYHOc8H867NVCqAoAA6ACloo6JB1ucZ4r8Pa9qHjbQdY0b7DJDYJKjrdyMvls+PnAUHdwMYyPrUtr4W1JPHGt6/c3FsTd2cdrZbCxaPaDksCOMsc8E111FK2lvX8R31v6fgch8N9B1vw34aTTdcWxTySdn2V2kMhJJLsxAxnPQDj1NVdW8PeJV+Ji6/oo0+W2lsRaF7qVg1r82SwQKd+fTI+tdzRVXu0/67C6Nf13OUt/DOof8ACxL3xDdz27RGwS0tApO9TyXLDGACfQmuNX4beJbn4fNod+NIaS3vxeRRs7ul2wkLHzGK/KGBxja31r12il/X43/MP6/CxzXhLTdUsUkN9pWjaLbsAI7DSxvAPdmfagP0C/iar/EPw/qviHSbCLRBbSS2t/FdPDdSmNJFTPG4K2OcHpXW0UPVoFocjceGdW1LxroOsanNZtb6XbSb44twJnfAyqkH5QB1Jz7Vzd1Z6/4K0zxtrF+bD7JdtNcxTI7NNIWUKi4wAuOO7Z9q9SqtqOm2Wr2MllqlpDd2sn34ZkDq31BpNXVl5/iNOzu/L8DzHQvBfiLVfBWg+HtZhsbLSbUx3F1JBcNJJdkfMF2lAEBPJyTW5qnhnxGPiKdY0Y2H2SbTxZiWeVhJaYJJZUCkPnPqK7e3t4bS3jgto1ihjUKiIMBQOwqSqlq7+v4q35Eq6Vv67/meUWPw+8VRfCvVfC88umpNMzGGRZXYzsZN5Z22jbkcYAP1rvPDq6va6OG8RixtTGgCwWshdIVVccyMF3dM9ABWtLd29u6JPPFE8hwiu4Bb6Z61Hf6dZ6paNa6jbR3VuxBaKVdytj1Heldj0OL8AwtqnijxJ4qUEWmozrBaMRjzYoxjePYnOK72mxxpFGscSKiKMKqjAA9AKdR0SXQOtwooooAKKKKACiiigAooooAD0461wo+J9rD4O8Q67f6dJbHQbqS0mtvODGR1IHytjuWHau6ryMeA9Zv9b8ZW99a7NHuLia8s13D/AEqeSAIDjsFO7r1JHpUtvW3b/L9LlK2l+/8An/wDtW8ZE694f0+305501q2e4Eyyj/R1VQSWXHI+ZRnPU15zYeMl8O65458U2WgyahbjVEtrmaKRYVjjj2xjGR87liTgeoyea7HwDoOsab4bTVNfth/bYsEtYbUOD5Mca/Kmem5m+YnPUgdq52fwdr9j8HNH0kaXJd3zalFd6raQyx73UymRwCWCk52jrWjsp6en3v8ARLUhXcdf6sv1ex3uueLotKutP0+ys5NQ1bUgWtrNHCYQDLO7H7ijPXBOeADXOT/FO4g8J6pq58OSyS6TdS295FHdqYk8vG5hKQN2dwwNuSc9MVmeIvDup3Pj201/VfDN/qlrNpS2n2XTNQCNbS7yxVz5kYZCCMnkZHStTxH4W1LUPhrZeHtK0O1sFubyEXdpaSqEt7fzN7kk7dxwBnGSST1qdbf13t+X59B6J/12NzR/Fd9q16sraDNZ6JJaG5j1O4nVd3Tgx9VyMnJPQdKyP+FnmRtMvLbQ5H0TVL9bG2vXuAkkrMSBIsO3Jj4PJYHHOK6XxRpVxqvgnVNK051juLmykghJOAGKED6VxfgHw6bOXSxN4JuLC4sIBFNfareicowXBFuPMcgE9/kGKas5eS/4P/DC1UfM9E1C5ls7CWe3tZLuVB8kERAZz0AyeB9T0FcXpHxLuNdEdrpnhyebVo7poNQshdIFsVV9jO0hGD6gAZOD6V1HiHUtR0zTll0bSJNWupJBGsKSrGFyD87M3RQcZ781xfg/SPE/hbxhrUNzpv8AaFtq0qXz6gkkccaSGPEibfvfeACjHQ5J9VH4tdhvbQ9Jorzs/EnVY7e5uZ9AgFvZ6sumzyJfFtxZwmYx5Y3EFuc46cE9vRAcgGjdX/rv+obOxyVx4+FvcSQ/8Ir4nk8tiu+PTCytjuDu5FX9D8VDXLxrcaFren7U3+Zf2RiQ89Acnn2qjceD9ZmuJJI/HmvQq7FhGkVptQegzCTj6mr2h+HtR0q8aa+8U6pq6Mm0Q3kduqqc/eHlxqc/jiheYPyMr4t6nNpXws1qa1YpNLELdGHbzGCH9GNbun26aB4StreytZJ1s7VUighA3PhQABnj86wfi7p02p/CvWorZS8sUS3CqO/lsHP6Ka1H1+5/4Q2z1XQtLk1mS4iiaK3hlVNwYfeLNwAO9JbS+X/A/Ub3Xz/S/wChgad8TLrVTLYWPhqebXbe7e3utOW6QC3RSAZWlIA24IwMZPOOlZvxc0+dW0DUH1O9KtrtnGtmsgWFQW5yoA3nIzlicdsVN4X0jxT4c+IGqTXemi/h10Q3M97FIkcVtIAQ6Y+8cDAXg57kc1Y+Kdlr+sxaTaaD4cu9QFnqdveyzJcW8aFEJJUb5Axbn0A96fWL81+auL+ZeT/LQ9DHQUyaTybeSXY8mxS2xBlmwOgHrXK+IfF+o6HZ6VcJoEjG+uktmtp7lFmRmzgAJvU9CT8wAFN0/wAY6ndW2vI+gmfUdHuVh+y2VyHE+5VYbXcKAQG5z6Ub3t/W3+aDa39f1sZ0PxOuprm/0pPDNw3iG1mCR6Ut0mZEKhhIZPuouCM5zzgc1L4q8M+F4dO1fxJ4utRdvNbgGK8YTLbsF2hIAR8rE9xySay9N0zxbpPxJfX7jSBe/wBuWiR3SwzRqlg6P8qljywCHqAcsOw6L4pPjC4+IEdyngmbXNG01VaxRdSt4Uacj5pWV2ySOi5HHJ70mrpJ7v8AD+v60GnZt9vx/r+tTovhhYatpnw50m1195GvViJYStudFJJVSfULgfhXUzSeTBJLseTYpbYgyzYHQD1rib3xh4l0XwTFrOueHIYLxrkRyWC3gLIjShECsu4O5BB7Dr06VYtvGeqvd65ZS+HjLfaZHBLHbWl0HaZZeiksqhWGDnqPeqk7tsmKskihD8Trma6v9KTwzct4htZgkelLdJmVCoYSGT7qLg85zzgc0njS08G6Utx4h8dw/aXurcRpaXQ+0RxFRyIlxhCSeW49ciqOm6Z4u0n4kNr9xpAvP7ctEjuVimjVLBkf5VZjywCHqAcsOw6dRqGva3Za1e2k/hW61DTDGv2W4s3ibzWI+ZHV3Xbz36YqZK8fP+v6/IpP3vL+vy/4cq/Cmyv7D4cabFql0tzIwZ4ys4mCRsxKLvBIOFIHBNde7bI2bDNtBOFGSfpXmOhR6x8LPhQ091YQ3EyXDzvZ/adogWSTiNSFbc3zAYHGe9b1t411R9V1TT5/Dxa6tLKK8ggtroO8quSAjZVQrfL6ke9VJ3b/AK6ExVl/XcpL8TpzqGoaQ/hq6Gu27J9l00XCFrlHXcHLfdQAdc5A4GTmneOtb1C60N9C04Gy1O5sJLm9aNwxsoQp3fMP4mI2g/U9qy4NO8X2PxGt/FMui/am1WzNtPaxTRqthhwUDueWG0nJGeegxiuh8UeCdPvbLV9RtLPUJNWvLYoVtNUmg85gm1QR5qoQPfjrUTT5P6/rXd/gXFrn/r+vT8ST4XOz/C3w8ZHZ3NjHlmOSeO9dYTgE+npXlegW938MfhVDqMmgSDVIoYo7+K61EuW2kKAhBkHOeFGBz2rpLLxlqU2sanp11oWLm1sY72CG3uRI8ofdiNsqAr5X1I561rUd5O39dTOCair/ANdCkfibJFrF9o9z4cu4tVjWN7Cy89C96r5wfRMbTuySB+lYfjXTtP1vxdolx460fUFsf7LdpYLP7TMIZt4+UtbjJwM89KmksPGEXj7TvGL6EbiS7tZLKTTo5ogbJMhoy7k885LEZxnAB4z2Opa5rmm66kY8OXF/pb24Y3FlJG0iTZ5UozLkYxyKi2ib31/X/h/XYq+rtt/w39ehF4As/Cdp4cz4EKtp0srOxE0kh8zod3mEsDx0NdPXl2kRaz4B8L+J/E13pkQlv7+TUP7PkuQvkRkAAFlDAucDgcZPWuh0/wAaajca7Npt3oXlSf2aNQt44rnfI4JI8twVAViR2JHPWhu/3fpcLW/rz/4JUn+JjWev3ej32gXcN75Sy6dB5qmS+DMVAA/g5GTknA5NY3inxhd3viHRfDOpRXmkfabQ3up21gXuLgrnAgVogTyc7mXsOopL2y8YS+NNH8aHQHkk8uWzbSkmi320TAFGdycElgScE4B4B77GqaTqul/Eu18W22mS6hbz6d9iu4LV0MkLBtwYBiu5e3HPtQltfzv+Nv0v0B9bfL8L/rY2fBWpeGb3SpofCUSW0VrMY7i2+ztBJFJ3DowDbvc9a6SvMtPh1nwwvjDxtdaXHA984njsLi5CFIok+87IGAZsdBnqOa29J8bahfa5BYXuhi2F3ph1C3VbnfJgEDYy7QFJyMcmi9/68r/owt/Xz/4JBe/Er+zPEk+j6lod1BI0Hm6d+8Vnvju27Qn8JzzyenJxTtS8FWXj2PT9T8badcWb28LhtNS+YLGSc7mkiK5OB64rB1Wz8X33ijQ/GZ8PybrOSS3GjpNEZUhdfvs5IGS2OAeB75rr/GMOu6l4Nax0e2CX1/sgmZJlxbRtxI4JxuwuQMc5PSlb3fP+v89ew7+95HO/Cjw1pVhLq+uaJbSW1hfT+VZRvPJLmGPjfl2J+Y5P0xXpFYd4f+ES8GN/ZVrDKmm2vyRyS+WgVFySWAJ6D0rF0Xx5f6jq2k217oa2kWrWL3cG253yLt25DLtAAO7g5+oFU3d2XT+v0ZPS76/1+oan8SF0XxO+larot1bxyQu9jP5is146sF2Kg5BJIxk8jk4rnfGmp3s954VvvGumPpnh97iVNQsWmE6CQjEXm7OGU+mCAetP1608X6xrWieLf+EfljOlXZWPR1liMzROpV5CxIXOcYGeAPrWt4n0rXZ/FHhjxMmlteR6esgu9NgmRniZx99NxVWI6dj6Ul0v3/r+ujKe7t2/r+upnfD37FN8RvEE/g5o4/DKwxRmGAbIhc/xFI+NvGMkAA16hXm9lYazF4317xquknT7d7FIY7S8nWNpymSZZNm/aAOB1PtV7Q/iBf6ne+H0vdESzt9cgd4mF0XkRkAJyuwDac8HOfUCmtUl/XX+vwJejb/rZf1+JB8VGOnT+Ftch+We01iKDcO6S5Vh/Ku8uJWitJJY1V2RCyqzbQSBnBPOPrXB/FVTqEnhfRYfmnvNZilCj+5FlmP8q63xLDez+E9Ug0pN97JaSJAucZcqQOTUNtU213f5Iu15pPsvzZwml+MY9I+Hl14v0/wzct9unlu7mJr7cqgHBcyMOM4GFArXsviO934i0ixbQbmGy1iF5LS8eVdzbQCcxjkDngk8+lYcnh7xDqPwcsPDUWhPZOZLe3niluI94gUgyO2DgdDwCSQfwrV1PS9ag+K2kX1po7Xmm2umm2imEyJHA5cb2bJ3fdAxgHPt1rSyUrdNvw/4Yi7cb9d/x/4cVPiTfT65qmi23hW6fUrKNZo4GukXfGwzudukZ9uTz9cMn+KoHgex8S2egXNxBOwWdDMqeQd4QjJ+82egA5x2rnPDmp65e3vjHUdF0C4vLjV714LG+8yJYERB5YLktuAUgnAU57Vqa94M1LRvhx4e0bR7KTVhp9/BPewwMqvMFJZiu8gfeOcE1Mdk3/d/Hcb3aXn+H/BOxn8VxReMNP8AD8dpJJPeWj3bSBgBEgIHI75JrnPC/irxNrfjrXY201TpFncrZqPtKDyWUZduFyxORxnioNHsvFI+LF3rOp6ERb3VnFDbyfaI9lpGCSytgks+ccAY681P8NrTxDpBvdP1XQ3tjJfT3FxfyzoUm3MSvlhSSeOu4DHvTjvr2f5/5Ce33fl/mdR4r1+bw34fuNSt9Nk1EwRtI0aSLGFVRklmPTp2BPtWM/j64Efh+aPw/cNbawY1aYzqPJZ1LAAdXwBz0FX/AIh6ff6r8PdZsdIhM15cW5SOMMAXyRkAnjpmqWgaLqN7HZ3es2v9nLY23k2Nkzq7RMVwZHKkru7AAnA781K6/L9b/oN7L5/pb9SnrPxOFla6jf6To7ajpelzCG6vGuREGfcFKxDB8wgnn7o9Ca2NW8YfZdUstI0jT21LVryH7QLfzREkMX9+R8HaM8DAJPpXBeCvBtzpaW2m6p4Lnub21umkfUb6+D2eC5PmRx+Y3z47CMYPU1v3NrrugfFHVNZtfD1zrNvqVpDDbyW00SCBkzlX3sCqnOcgH6U+39dP8wfX+uv+RW8VeOPE8Pg+wkstCk0vVtR1BbNY5ZlJj+fkjcoyCqnB24wc10ep+MJtB0mw/tXTHOr3832e10+CdZGlf134AAxyT2rH8aWXiC41nwlqcWivqSWE0kt3a2cyZSRkwpBkKggHPNHiLTtcbxd4Z8Sy6RJfLYwypc2dlIjPC7gYZd5UN6Gheff+v68wfl2L1t47vWvtU0q78PumsafHHKLW3ulkSVHHDeYQuAMHORx71B4b+IeoeKrXTbvSvC1w1pcSmK6uHulC2xGc44zIARjIAqjbeHvELweLfEk1h5es6xb+RY2HnJuhjVSqBmztDcknnHvXXeD9GPh7wdpmlyKEktrdUkAIPzY55HvTXd+X6/0wfl5/p+uxsSP5cbPtZtoJwoyT9K4BPibfT6hrGm23hS5k1HTFEhtzdoAYyu7cz4wh/wBn5jW/4Q8TTeJrK/uprMWsNveSW8MgfcJ0Q43g4HWvOfC99r2p6b4qudG0G4mudfv5ltdQaSNYI4v9XuYlt3y4PAU5qNena/5WHp172/O56j4W8QweKvDNlrNrE8Md1Hv8tzkoe4J74NU9W8YjSdRe0Ph7X73YB++s7AyRtn0bPNXfC2hR+GfC9ho8LbxaQhC/949z+dUtW8M6pqOovc2njDWNMiYDFtbR2xRfpviZv1q5W5tNiY/DqR6d43Go6hFa/wDCNeIrXzWx51zp5SNPdmzwK6WRWeJlRzGxBAcAHafXmua07wrq1lqEVxceNdavo42y1vPFahJPY7YQfyIrpicKSASQOg70naw9bnmHh2wk0748arBLqN5fk6VE5ku5dxBLHOAAAo9gAK9QrzWyh8Rp8YbzXpfCWopptxZR2qym5tCysp5YqJs7ee2T7V1OheJZtZ8Ta5p32IR22lypEl0r5ErFcsMY4I6dTTWsUvX83/mgfxN+n5Iw/GvhbwraaXreveIrf7fLcxbYxdnzTE+3CJACPkJOOnOa1vhzY6pp3w+0q1155HvUhG/zG3Mo7KT3IGBXLeJD4xm+IP20eB59b0rTwP7PVdTtoUMh+9Kyu2SewyBgV3Xhq71m+0OK48S6dHpl+7MXtY5RIIxngbgSCcdxSj8IS3NaiuauNX8VJa608HhmOWa1k26bH9tQfbV4+YnPyd+D6Vchv9cfXrW2m0ZY9OktPMnvPtKkxTZ/1WzqeP4hxQBs15j8ZG0+5bwxpepSwQJdamrPNNIECxoMuCxIwDwK7lL3WD4pks30pV0hYA6ah9oUlpO6eX1H1rldV0XVdX+MWm3t5ockuh2FnJGly8sLIZmOc7C+7GOPu0t3H+tv+GHsn/W//DmZ4OFk/wAVr4+CHz4bhsglybeQvavc542clcgddtdB8T/Eeq+HPCqvoMIa+vLiO1hlLqPLd2wDgg5712CRpEgSNVRRwFUYAriPiPp+rXd14dutM0ubVbax1Dz7q2t3RXICkKRvZQcE+tN9F/W4l1f9bF6+8Xz+HvDtrceINOddRuJVtreygmWV7iQ9MHAA9T6UaT4xu7rxDdaDq2jiw1OG2F1HHHdCZJUPH3tq4IIwQRj3NZPijTddvdX8K+IJNIa5/s2aR7qwtZUaRN64BBYqGI78/SnaToGtX2va/wCKdQtfsN5eWn2TTrOSRWeJFU4LlSVBLHOATiht6v1/LT8fwC2y9Pz1/AZ8PfFfiLxB/aWo6tYomlPdyiCY3KYgjTjbgKC3IJyTSX3xSng0dtcsfDst1opuBbQ3LXSxyTsW2hlj2n5M9yQfaqvhTSfEZ+F1z4cm0R9KnSxlh824nQtNOwOSoQnCnPUkHnpWJPpXi+68IeFtPXwtcRWuj3MJu7Qzw+ZcMgOGX58BAcHJOT6U+tvT/gv+u4dG/X/gL+ux0njaOPW/HXgrTZIF8wTPfyggEoqLwM/7x/Su9vrhrTT7i5RFkaGNnCM+0HAzjODiuFay8Rf8LattXl0Iy2501LdJVuU8q2JYmTJPzE9MYXn2rqPGFvf3fgzVrbR4/MvZrV0hTcBuYjGMmpldU9N9f6+5IcbOaT8v8/1ZxOn+MYvD/wAOW8VWPhq5Md7I93cxvfbhGC2CxkYd88KB+VbNj8RZLvxNp+my6BdQWupWr3FpdNKpZwoGcxjlc54yfwrFvPD+v6t8LtI8PxaG9kouLeO4hluIy6wIQXZsHHJHQFjWleabrNv8XLTUINHa602HThbQ3HnIkcGWy5YE7s4AwADn2q3ZSt0vb5W/4Yi7cb9d/wAf+HGp8TL6bUtX0u28KXMmo6aol8g3aAGMrnc7Ywh/2eTRJ8UwdA0XWLXQbqa01KWOGR2mVfIZ227R3cgg9Mcd65jwxf67qVr4su9G0C4uLjXb6VLW/aSNYI4wNmWJbcNuDwFOa2Nb8I6loeh+DbDSNNm1i10i6El5FA6K7kKcMN7KPvEnrUx2Tf8Ad/4P9dynu0vP/gHYHxSjeNX8OQWjyzR2X2qSUOAq5OFXHqa53wJ4p8S+Ita1i4vNPX+yVvWggf7Sn7gIMHAC5bJ75qt4b0/xXb+P/EGoanowVtRjQQ3X2hPKhRU+WMYJZmDdeAPeneAI/FGg+D5tPk8MvFc2omkJnuY/9LmLEjZtY/Ke5bFC01fb9f0WgPsu/wCn+ZfsfH+p6sVu9H8MveaUb02jTpeDzlw2C5iCHCjH97PtXYalerp2lXV7IMrbwvKR6hQT/SvPND0bUn+IVrrWlaBfeHIJomOsxTyxiG4kx8u1EdstnPzYHFd9rdidT0G/sV4a5t5Ih9WUipldU9Nxxs5+R81f8L+8Seo/75FFcp/wrnxN/wA+Ev8A3waKjlwH87Oz/aP5UfZ1FFFanEFFFFABRRRQAUUUUAFNkLLGxRdzAEhc4yfSnUUPYDz3wZ4BuYdHsn8UXF008V5JfvYO0RiW4ZmbflBlgM5ALcenTHoVFFMOtwooopAI6LIjI6hlYYIIyCKwPDPhqbwu09lZ33m6MSXtbSSP57Uk5KK+eU9ARkeproKKOoBRRRQBx/jHQNV13xN4cNk81vZWMstxNcwmMlJNu1PlfORy3QHtW7oWg2ugWksVs8s0txK09xcTEGSaRurNgAfgAABwK06KFogeoUUUUAcj490PU/EI0S00/wAxLeLUUubqeJo90aoCVID8N82MjB4FbGieH7fRWu5xNNd3l7J5lzdT7d8hAwB8oAAAAAAFa1FC0/r0/wAgev8AX9dwooooA5P4haJqXiHStP0/TVkEbahDLdSROgaONDuyA/B+YLxz9K1dF8OwaPcXd41xNeX16VM91cbdzBRhVAUABQOgArXooWn9en+QPUKKKKAOT+IWial4h0nT9P01ZBG2oQy3UkToGjjQ7sgPwfmC8c/StXRfDsGj3N3eNcTXl9eFTPdT7dzBRhVAUABQOgArXooWn9en+QPUKKKKAOV+Imj6j4g8MJpelo7faLuH7Q0borJCrhmI38E8DitHRfDcOk3txfy3M99f3SqklzcbQQij5UUKAABz26k5rZooWgPUKKKKAOY+Ielajrvgy40vSY2eS7kjjlKOqssW8FyNxxnA6Grei+GIdLvpNRuLq4v7+SFYPPuAgMca9EUIAAM5J7k963KKFoD1CiiigDnfH2najq/gfUdN0eJpLm7QQ4V1UhCwDkFiBnbml0HwnDpV1Hf3V3c316lsttHJcBB5MY/hUIABk9TyTXQ0ULQHqFFFFAGH41tNR1DwVqllo0fm3tzAYY13hfvcHkkDoTVTw34Oh0lrO7vLq6vbu1tBbQfafLAt04yFCADJwMnnpXT0ULT+v67g9dP6/rQ52w8LyDxPL4g1q8W+vghhtUSLZHaxE5IUEklj3Ynn0FdFRRR0sHW4UjKHUqc4IwcGloo3AyvD3hzTvC+m/YNHjkitvMaQJJM0mCxycFiT1rVoooAKKKKACiiigAooooAKKKKACggMpDDIPBB70UUAQ/ZIBZm1jjWOAoU2RjaACMcY6VS8P+H9P8MaSmm6QkkdrGSUSSVpNuTk4LEmtOigAooooAKKKKACo4YIrdSsESRKzFiEUAEnqeO9SUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABTZY1mheJ87XUqcHBwfenUUbgZnh/w9p/hjSl07SEkjtVYsqSStJtJOTgsSa06KKACiiigAooooATav90flRS0UuVAf/9k=)

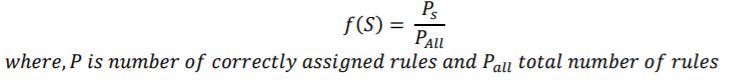
The fuzzy rule table maps all of the inputs to determine the most optimal output groups within the fuzzy subspace. The following formula can be used to measure the strength of each production.



Once the strength of each output has been determined, we can conveniently evaluate the best output by using the formula below.



After we have successfully defined the 625 rules corresponding to the outputs, we can apply GA. The entire set of 625 rules represents genes, with each rule representing a gene. We will give a value of 1 to all the genes if the rule is applied, a value of -1 if the rules are not used, and a value of 0 to the dummy rules that had no outcomes in the previous phase and whose performance could not be calculated. We will now evaluate the health of the chromosomes in the population. The accuracy of the rule set is maximized by using fuzzy laws, as can be achieved by using the formula below.



We can now choose the chromosome for mating. The most accurate chromosome would most likely be used for mating. The theory of the spin of the wheel is used to pick the chromosomes. In the rotation of the wheel, the chromosome with the higher precision would take the greater space. The following formula can be used to measure the wheel space ratio.



The wheel is rotated to pick the chromosomes, as we did with the MFs, with the crossover parameter set to 0.7 and the mutation parameter set to 0.01. All of the remaining GA measures are equivalent to what we did for MF optimization.

PART 3: Compare different optimization techniques on CEC’2005 functions

From CEC'2005, we are evaluating the performance of two different optimization algorithms using two different functions. For that we have considered Genetic Algorithm (GA) and Particle swarm algorithm (PSA) along with Shifted Expanded Griewank’s plus Rosenbrock’s Function and Shifted Rotated Expanded Scaffer’s F6 Function.

1. *Genetic Algorithm*

The Genetic algorithm is an optimization technique. The development is influenced by nature and is focused on natural selection. GA will compile a set of problem solutions, pick problem solutions at random to be parents at each point, and randomly swap parameters between parents to generate a new offspring population. Evaluate each offspring's results using the fitness feature of choice to decide the most active offspring, who is more likely to be chosen as a parent. The algorithm will continue to run until the given stopping criteria are met.

1. *Particle Swarm Algorithm*

In PSO, it functions by first creating a huge number of particles and assigning them an initial velocity. The algorithm then uses the goal fitness function to predict the efficiency of each particle at a given particle location, and each particle's motion is influenced by its most famous solution to date. When the predefined conditions are fulfilled the optimization would be terminated.

1. *Shifted Expanded Griewank’s Plus Rosenbrock’s Function.*

Shifted Expanded Griewank’s plus Rosenbrock’s Function is represented in the formula given below and from the *Fig 14* you can see the graphical representation.

![Text, letter

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAkACQAAD/4RD4RXhpZgAATU0AKgAAAAgABAE7AAIAAAAPAAAISodpAAQAAAABAAAIWpydAAEAAAAeAAAQ0uocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEFiaGlqaXRoIFNoYWppAAAABZADAAIAAAAUAAAQqJAEAAIAAAAUAAAQvJKRAAIAAAADMzkAAJKSAAIAAAADMzkAAOocAAcAAAgMAAAInAAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADIwMjE6MDU6MDcgMTE6MTY6MTcAMjAyMTowNTowNyAxMToxNjoxNwAAAEEAYgBoAGkAagBpAHQAaAAgAFMAaABhAGoAaQAAAP/hCyFodHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLjAvADw/eHBhY2tldCBiZWdpbj0n77u/JyBpZD0nVzVNME1wQ2VoaUh6cmVTek5UY3prYzlkJz8+DQo8eDp4bXBtZXRhIHhtbG5zOng9ImFkb2JlOm5zOm1ldGEvIj48cmRmOlJERiB4bWxuczpyZGY9Imh0dHA6Ly93d3cudzMub3JnLzE5OTkvMDIvMjItcmRmLXN5bnRheC1ucyMiPjxyZGY6RGVzY3JpcHRpb24gcmRmOmFib3V0PSJ1dWlkOmZhZjViZGQ1LWJhM2QtMTFkYS1hZDMxLWQzM2Q3NTE4MmYxYiIgeG1sbnM6ZGM9Imh0dHA6Ly9wdXJsLm9yZy9kYy9lbGVtZW50cy8xLjEvIi8+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczp4bXA9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8iPjx4bXA6Q3JlYXRlRGF0ZT4yMDIxLTA1LTA3VDExOjE2OjE3LjM5NDwveG1wOkNyZWF0ZURhdGU+PC9yZGY6RGVzY3JpcHRpb24+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iPjxkYzpjcmVhdG9yPjxyZGY6U2VxIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpsaT5BYmhpaml0aCBTaGFqaTwvcmRmOmxpPjwvcmRmOlNlcT4NCgkJCTwvZGM6Y3JlYXRvcj48L3JkZjpEZXNjcmlwdGlvbj48L3JkZjpSREY+PC94OnhtcG1ldGE+DQogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgIDw/eHBhY2tldCBlbmQ9J3cnPz7/2wBDAAcFBQYFBAcGBQYIBwcIChELCgkJChUPEAwRGBUaGRgVGBcbHichGx0lHRcYIi4iJSgpKywrGiAvMy8qMicqKyr/2wBDAQcICAoJChQLCxQqHBgcKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKir/wAARCAFSA6EDASIAAhEBAxEB/8QAHwAAAQUBAQEBAQEAAAAAAAAAAAECAwQFBgcICQoL/8QAtRAAAgEDAwIEAwUFBAQAAAF9AQIDAAQRBRIhMUEGE1FhByJxFDKBkaEII0KxwRVS0fAkM2JyggkKFhcYGRolJicoKSo0NTY3ODk6Q0RFRkdISUpTVFVWV1hZWmNkZWZnaGlqc3R1dnd4eXqDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uHi4+Tl5ufo6erx8vP09fb3+Pn6/8QAHwEAAwEBAQEBAQEBAQAAAAAAAAECAwQFBgcICQoL/8QAtREAAgECBAQDBAcFBAQAAQJ3AAECAxEEBSExBhJBUQdhcRMiMoEIFEKRobHBCSMzUvAVYnLRChYkNOEl8RcYGRomJygpKjU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6goOEhYaHiImKkpOUlZaXmJmaoqOkpaanqKmqsrO0tba3uLm6wsPExcbHyMnK0tPU1dbX2Nna4uPk5ebn6Onq8vP09fb3+Pn6/9oADAMBAAIRAxEAPwD6RooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKK8wPlXHg3xh4skuZrZpLi5ksJ4pmQxLCvloUwf4njLY6Nu5BzSbtd+VxpXsvken0VR0Oa8ufD+nz6onl3slrG9wgGNshUFhj65q9VSVnYmLurhRRRSGFZUvijRINej0WbU7ZNSl4S2Z8Mxxnb6ZxzjrjmtWuF8Qa74Vv/E1loVxrGmQT2V/FdTQG4QTPODmONUzuLFiCSB0GO/AviSB7NndUUUUAFFFFABRRUdxPHa2stxOwSKJC7sewAyTSbSV2NauxJRXk0gutM+Ett4itZJ4ddvruO7tVWVsuZ7gFICucMuxgu0jAxkYxmvWR05qrNbi9AooopAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRXl3jDUNctvjN4X0Kx8Q39pp2sw3D3EUSwnaY1JG0tGSP1o3aXf/hw6N9j1GiuYs9J1Sy8TRSw+J7zUbSKJlu7G7EJILDMbqUjUjoRgnnPtXBWPjO61j4X6v4sGv3Ftr9jLKp09Svl28ociO3MOPm3fKMnLEscEdlcdrnslFZ9vqscenafJrEkFhdXioogllCkysuTGuTyc54HPFaFU1Z2JTurhRXnmjeJdW+IniDVF8P6g2k+HdKuDaG8giR572Yfe2mRWVEHHO0k56itmSw8T6Xr2k/ZdZl1TSZJ2W+S7gj86NfLbaVeNVG3dtyCpPTnGRSWtvMb0v5HVUVQutd0ixaZb3VLK2a3CtMJrhE8sMcKWyeMnpnrVKO2gbxs16niCd5HsQg0j7QpiC7s+cE655A3dOaANyis+51/R7LUI7C81axt7yXHl20tyiyPnphScmkbxDoyat/ZT6vYLqPX7GblBN0z9zOenPSgDRorMsfEmh6nLNFputafeSQAtMlvdJIYwOpYA8fjTo/EWiS6W+pRaxYPYI2xrpbpDErehfOAfbNAGjRVSy1XTtSszeadf2t3bLnM8Eyugx1+YHFQjxFope1QaxYFrw4tl+1JmfnHyc/NzxxQBo0V55reoanafHjwvYR6pdf2de2V1JJZbgItyLwcAAnrn5ifbFdla6/o+o3s1lp+r2Nzdw5EkENyjvGRwdyg5GPejon6/g7A9Hb+tdTRorjvh8/iYRatF4p1aHWI4rvbZ30dsIBImMsABwQp4z7Hk4robTX9H1C5+zWGrWN1Pz+6huUduOvAOaANCis/Xo5pNBvPst3NZzJC7pNBt3KQpI+8CP0rzn4azaz4s+Flh4h1zxlqttc3Al8ySJbZUTbIyg4MR9BQtb+X6/wDDA9LeZ6tRWDo2pR6bbWGieINesrnXTHtZWmRJbgjPzCPg8jnAFaNtrWlXt9PZWep2dxd2wzPbxTq0kXb5lByPxoAu0Vmv4k0OOOKSTWdPRJpDFEzXSASODgqpzyQeMDmrl3eWthatc31zDbQJ96WaQIq/UngUATUViaj4y8P6Z4Zn1+fVrR9NgBzcQzLIrMP4VIPLH0HNZC6/pfjr4cG8tfEa6OtxbxvPdWV7GJLFjhtpfop7HOO9HfyDsdlRVWS6tdO01Z729jjt40G65nkVVI9SxwOaLDU7DVLX7Tpl7bXkGSPNt5VkXI7ZBIoBbFqis1/EmhxxxSSazp6JNIYoma6QCRwcFVOeSDxgc1bub+0smhW8uobdriQRQiWQKZHPRVz1PsKAJ6KKjuCq20peQxKEJMgIBUY680m7K4bklFeWfDO513xV4Pm8Qa34r1KG3uL2YWW1beMLbh9qZJi5JIPP0qfxXqniLwB4L1C9vtbuL1JtVhhjvpoYi9laOVVnIRArEHdjI7jjtT20fl+Nv8w9PP8AC/8AkemUVwceqXGnfEDw/pui6rPrFhqlpNPdrNKJvJRVBjnVwMgMx24ztOeAMVpaZrknifxfqdrYzNHpehyrbzPGcG5ucbmXPZEBGQOpPPAwT+vu0Fc6qis3VPEWi6G8aazq9jYPMQI1ubhIy5JxwCefwp1zrWkwapBpF1qVtDf3aEwWrThZZFA5KrnPY8j0oGaFFcro2vT2njO88I6tMZp0txe2Fy2A09uW2lW9XRuM9wQeua6qjpcOtgpGbahbBOBnAGSaWigDzBfjt4N1C6uNMgh1ye5jDLNBb6fL5keDg52/MuDxntVGx8Y+BdOtLW1tvDviprazIMEE+n3k0aEHIOxyRkHkHGQaz/jD4A1LStYj+JXw/Bg1mwPmX0EQ4uIwOXx3OOGHce459A+HPxA034i+FYtUsCIrhMJd2pOWgkx09weoPce+aI6q/Vb/AKMJaO3R7f5FDTfjF4Z1LxHZaGItVtL6+bZAl5p8kIY4z1Ye1d5WXreg22tmwefCy6feR3cEm3JVlPIHplSR+NalHQOoV5p8a7CK18JjxTaSyw6xo00VxaFZnCvtfcyFAcHK7iTjoOuBXpdcyPBNvPdarLq2pX+pxagJUjt7qQGO0SRdrrGAOMjjJzgcDqcy77rda/MpW67CeFfDen2k7+JIbm5vNQ1a2ja4uZZ3ZJAfmG1CdqAZwAOg/HPT1wUuix+DfDGj+HrS6fUWvbuCxaTUfnLQKCWA27QAsaNj365JNd7Wjt9nb+v8zNX+1v8A0v0CiiipKCiiigCnqd9Np9m08GnXWosucw2pjD4xn/lo6j9a8th+NHh/x3puoabY+D/F+qW+3ybyO0tkBUNkbSyTAjOCOvrXrx6Gvn39mH/kJ+Nv+vuL+ctJK8mn2/VDbtHmXc6+08X2NnNbyx/Dbx3I9qu23+0WnnCHjGUDzkKccZHOKsaX8b9L1fxePC9r4X8SprHJe2nt4IzGAu4lt0wwMc16XXz34c/5PO13/r1f/wBFR1UXzT5X2b+4lq0LryPoKJzJEjvG0TMoJRyMr7HBIz9CadQSACScAdSao2GuaTqs0kOmapZXssX+sS3uEkZPqATikMvUVQu9e0iwvI7S+1WytrmTGyGa4RHbPTCk5NT3t/Z6bbG41G7gtIAQDLPIEUE9Bk8UAWKKxNX8XaPpPhS/8QG9hurGyjLu9tKr7jgYQEHGTkAfUVJ4bXUJNIivtakJvrxFlkgU/u7fIyI1HtnBY8k8+gABmfEbw9Y+IvBOow6hLLC0NvJJBNHM6eXJt+U4U/Nzjg5rB+GmnQeKdE0HxxrFzc3WsrbNCD57rHDgeWy+XnaTlSSSMkn2AHV3HhgXnigatdarfy2yom3SzIPswkQkiTbjJPOeuMgHsMc+/h+2+G/hXXb/AEi5muJHaWWztrs7ooZJnyI1VdvDOR1OenNJaXf9f07/AHDetl/Wv+R3tFVtOt1tNLtbeMIFiiVQIxheB29q53xdrc3g+e11yWZn0eWeO21CJzkQBztSZD2wxAYdCDnqOae9iVqrnV0UA5GR0ql/a1r/AG9/Y+5vtn2b7Vt28eXu25z657Uuth9Ll2ikbO07SA2OCRnFcB4D1nW734geNtM1vUhexaZPbJbBYRGsaujMQAPqOSSeKFq7f1/WoPRXPQKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACvIviHYw6l8e/ANrcvOkclve5NvcSQOMJnh42DDp2Neu1zmpeAvD2r+I7bXr+3upNTtM/Z7hdQuE8kHqFCyAAHPIA5oXxJ9v8mgfwyXck0Lwxa+F7rVbmzmupYr1klZbm5kuJAyptPzyMzEEAcE149P4cvde0A/GLww8FjrqyS3v2ExqYJYIyy7HGOZdqkl+uSRxwR7+BtUAZwBjk5rnP+ED0QJcwRJcw2N1I0k9hFcutvIzHLfIDgAnqowDzkHJpa3ut+n9f1+I1a1nt1GxJoXjDQ/Dms67ZW4lfyb2xS5bDRTMgYBemSPT26V0kqeZE6A7SykZHasvVvC+i65Jpr6pYRztpc63FnyVEMi9CACM/Q5HFa1OVpXXRkxurXPHf2fnOh6dr3gvVR5Gr6XqMkrxPwZInA2yD1Bx19x61e+IM99a/F3wPY2eq6jbWerTTre28N5IiSiNVK8A/L1524zXd6x4S0TXbyC81KxVry3GIbuGR4Z4x6CWMqwHtmo7XwXoVpq0WqfZJLm/gBENzfXUt08IPXYZWYr+GKafvRb6fjZWG9pJdb/ied6X4S0DV/jt40stS0i0ubX7DZv5DxApvZTl9vTd/tdeTzyavafp9ppn7SN8mmWkNuG8MK2yJAoZvOwCcd8ADPtXa2fgvQ7DxRc+IrWC5XVLpQs87X07CRR0BQuVwOwxx2py+DdETxY3iZYLj+12j8lrj7bNgx5zs2b9u3POMYqUtIrtf8b/5g9ebzt+Fv8jyzwTpNh8RPhTe2uu6/JFK1xM2sReXAJIJhITvZmQsDgDDE8AY7YrW8Zww+Fx4L8dWVzLdW2leXY3t3MP3k1nMoXzH4HIOG6Dlq6rUPhT4I1TxEddv/DtrNqDOHeQlgrt6sgO1j9Qa6TVNKsda0qfTdUtkubO4TZLC3Rl9OKfZrfT8P81p6A9W77a/j/X3njFvrt/4R+IF7qkVuFtfHVs0umQqhGLpDsi3e7oyufr7V1PiKx0nRL7wNoUcMt5q8Ezvp0TTeVC8iRnzJpjg5xksMDJY/Wu8u9H0++nsZru0jkk0+XzrViP9U+0rkfgxH/6hVHxJ4O0HxctqPEGni6NnJ5lu4leN4m7kMhBHQcZxxRskl0/JbfNf5Bu231/N/p/wTzXwtZrP4q+Kthq62d0rmB5Y44dsLOYGJIRi3OR1z1GeK5S40HS4v2SrLWUsIBqcaQSpelAZlYXIUYc8gYJGAcV7TD8OPCdtd3l1aaPHbT3sIgnkt5ZIiUAxgbWG044JXBPOSc1G/wAM/CsnhNfDL2NydGRty2f9o3O0c7sZ8zOM84zjNC0X/gP/AJKO+t35/jY4P4oTa9F8TvC83hSOKXV10e+aBJf4jtXOO27GcZ4zjNd38NtT0PV/BsF74eRkErsbxZjmcXH/AC0Ep6l89z2xjjFWX8BaBJrljrEkF49/p8Zjtp21K5JjUjBGDJg575696k0fwRoOga5e6vpNrPb3l/IZbpheTMkznPzGMuUzye3HamtFb1/Nv9fwJ10+X5Jfpp6lnxTbQ3vhHVrW6vTYQz2ksb3Q/wCWIZSN34ZzXnnh7U9b0Lxr4e8O+P8ARbWS5EUtvo+u6cf3cqiP5kdDypKqD6ZAwO9eoajp9rq2mXOn6hF51rdRtFNGWI3owwRkc9PSs7TfCGjaVcW89rbzPLaoY7Zrm7muPIUjBCeYzbMgY4xxxSjpK/8AXX/Mb1Vv66F/V/8AkC33/XvJ/wCgmvG/hF4HsPEXwP0eSW51CO4aR5F26jcCEMlwxH7nf5ePl5G336817LqWnW+rafLZXvmmCVSriGd4mIIwRuQg/rWf4Z8JaN4P03+z/D1vNa2gJKwNdSyqmTk7Q7NtyTniiOjb9PwuEtUl6nH/ABCwvxY+G7tgD7Zdrk+phGBUOnpaX37Rfia3lWG4jbQbdJomAcH5+Qw+hHBruPEnhPRPF1lFaeIrBbyKGQSxfOyNG47qykMPwNU7T4feFrDUPt9lo8Vvd/ZxbCeN3V1QZ+6QflPJJYYYk8mktvv/ABVhvX7l+DueMaL4b0ab9mPxDfTabbSXcP20xTvGGeLZKxUITyoB7DA6+tdVHrgT4j/D221+bFlcaB5tq0x+R70qoySeC23IHu3HWu3t/hr4WtfDNz4et7K5TSbpi01qNRudrk9efMyAc8gHB71NqPw98L6v4attA1XSxeadaAC3jnnkd4gBgbZC28ccdelUnZ39PwTT/O/yE9fx/Fpr8rHN+KtH0HSfDPxDfRtwv77TZLnUEWQsiuYnCnHRWOCSOvf0rnvGtta3X7KNs80UUstvpFlJEzKC0ZPljIPbuK9Q0nwhoGheHpND0rS4LfTZlZZYACwlDDDbiSSxI4ySTWafhj4S/wCEXfw4ulumlSMGkt0u5l345AZg+4gYGATgdhUtaNLy/C/+Y0/eUn5/jb/I5bWL9/8AhdHgXTtT/wCQY2myzWqv9x7sLjPoWC9PTdS3GnC3/aLNtYwI1hq2hNNq9uVBjkZXKo7L03Hge4zXcah4P0PVdHtdM1KyNzbWbK1uZJ5DLCw6Msu7eCPUNmprHw1pemx3S2kMqyXYCz3D3MrzyADABmZi/Hb5uO1U9X9/zvf/AD/BEpWVvT8Lf5fizwnRfDejTfsx+Ib6bTbaS7h+2mKd4wzxbJWKhCeVAPYYHX1r1/T9N0bW/CvhS58RxW9zcwQ209o9w2GE/lggrzy3fHPSnW/w18LWvhm58PW9lcppN0xaa1Go3O1yevPmZAOeQDg96tSeBvDs1npFrcWDTxaLKs2nia4lcwMowpDMxJAwOCSOBQn/AO2/huN6/wDk347HQVxPxg1x9C+Fury2xP2q7jFlbgdTJKdgx74JP4V21YXiTwXofi37N/b9tPci1lE0KpeTRKjjo2EcDI9amS5lZ7fp1Ki+V3Ob034XQafo/hizg1C/WPSZYZbi3a9kaGYopP8AqySv+s2tjitL4max/ZfhSO1FtDcPrF5Dpii5TfEhmbaXde4AycdziutijWGFY0LFVGAXcsfxJyT9TVTV9HsNe0uXTtXtlubWXG5GJHIOQQRyCCMgjkGqk+bfa9/8/wACIrl+48p8PeHLz4QfEbTdI0qZr/w14kZoVWZQZ7SdELD5gBlCAeOg5+p0/gKXbwnrrXGftR8QXnn5678rnNdxY+GLGzv4r13ur26gQxwS3lw0phU9duTgE45bqe5rJ0jRZPCnjHVZLWF5NJ16cXR8tSfs11ja+QP4XAB3diDnGRQnrr2a/FP9P0BrTTun+DX6/qc98f8ATbPWPhNqEcjK15bSLNaKo3OZF5YADn7m8n0HJ4FO+E9t4e8R+E9B8VXVva3niGSJg99OqtcCRBsYA9QAMAAdAfck9PpPw88MaLruqazZaav2/VWc3U0rtIWDnLKAxO0HuBSeE/h/4Z8CLdN4csDbfaGLyM0jyEDrtXcTgcdB1wOuKUfdvfrZ/MctbW6fkct4u3r+0R4DNv8Afa0vVmx/zz2d/bNdd4yW2bTIRdwa9Ovm8Loc00coOD94xMp2/U4ziqul6FJqPjy58XajC0Wy1FjpsEgwyRbtzyMP4SxwAOoUDPJIHWUW9xL1/NsG/eb9PyPKvK0n/oG/Ev8A8D7/AP8Aj1ek6QEGjWgiS7RPJXat6zNMBjo5Yli3rkk1cop9BdQIyMGvFPCngiOx+P2qat4FvXtdBgQpqsKpmF7g5Jgj9ccMf7p474Hd+LdbvrzUo/CPhaXy9Wu4991eKMjTrc8GQ/7bchB689BXQaFolj4c0W30vSovKtrdcKCclj1LMe7E5JPcmlHfn/r/AIb9fQctuX+v+H/T1NCsrW38Qp5P/CNwaZL97zvt80keOmNuxWz3znHajxL4htPC+g3GqX7DbGAI492DNIThUX3JwK1QcqMjB9KAOU874hf8+Xhn/wADLj/41R53xC/58vDP/gZcf/Gqk8T+O9N8Ma5oej3CST3us3aW8UcZH7sMcb29Bnj35x0NXNd8TwaNf2GmRW8l9qmoswtrSIgEqoyzsx4VQOp9wACaN1cPIx7m18bXk1vNd6R4TnktX8yB5LmdjE2MblJi4OCeased8Qv+fLwz/wCBlx/8arQ0HxRaa39vhZHsr3TJfKvrWcjdCcbgcg4Kkchh1HociseP4lWLWEGsPYXMfh64uRbRaqxXYSW2BymdwjLcBj7HAHNHl/Wv+YeZY874hf8APl4Z/wDAy4/+NVLay+OjeQi9s/Dy228eaYbucuFzztBjAJx0zVrXfFFvo1/YabDBJfapqLMLW0iYAsqjLOzE4VAOp9wADT/D/ia219762WKS1v8ATpvIvLOYgvExGQcg4KsOQw6j0ORQtQ2H62niJmh/4RybS4lwfN+3wyOSe23Ywx361leV8Qe954Z/8BLj/wCOV1dFACDd5Y343Y5x0zXz9+zD/wAhPxt/19xfzlr6CPQ18+/sw/8AIT8bf9fcX85aI/G/T9UEvg+a/U+gq+e/Dn/J52u/9er/APoqOvoSvnvw5/yedrv/AF6v/wCio6IfxV6S/IJfw36r8zv/AI3anLpfgO3lYuunyanbR6kUz/x7F/nBx2OAD7HHetq903w1P4l0LX4GR9UW3kg0w20uFmjKFiNq8MgAznoMj2ro7+wtNV0+ax1K2jurWdCksMq7ldT2IrC8L/Dvwp4Lnmn8M6NDZTTja8u95G25ztBckgZ7DApJaNf1tb+vVg/6++/9eiOJ+FsNl4r+D2rJ4hjSe8vbq7XVzMPm83cfvZ6bV249MDFY/hW18Wa18MfBOpaXqVt/wkOmi5mtLXUwTHfW4Pl8kcghGXDejfjXqNz4C8N3Wo3d6+ntHNff8fawXMsMdz/10jRgj/8AAgc1Z1Pwno2rvYPd2ro+m5Fm1tcSW5gBABCmNlwMADHpT/4H4f19wPf7/wATxHxt4g/tn4T6zFJocmhajB4hthrdnvDpvO351YcFW2ofr65yfdtXbV0sE/4R2Kxlud4yL2V0QJg5wUVjnOO3rWZqvgXRtT8I6p4fEBhg1MM00pdpJGkOMSM7EszAheST0Aq54Znvzo8VprULR6jZosU7gHy5iBgSI3QhsZx1GcGmtren5Jfp+Inun6/nf9fwMzzviF/z5eGf/Ay4/wDjVZmv3fieHSWbxRb+CotP3puOoX8qxbgwK5Lx4zkAj3Fd9XD+L4Itf+IPhPw/cQw3VrAbjV7yGUA/LEnlRZB6gvPnH+x7Uhmba+P9Uu7mK1s9b+H888rCOKGLXGZnY8BVATJJ9BVn4xiV/gXr39orEtx9jQyCJiUEm9fukgEjd0yK6+Hw5olvMk1vo2nxSxsGR0tUVlI7ggcGsXxno0njFLfw6Y3XTTcRz6lMykK0aEOIl/vFmC5xwADnkgVMlzLl7lRfK79i5pn9sSeAdLOnvbJqbWVuWa9RmTdsXdkKQc9e9cf5fjf/AIWrj7V4f+1/2L977NP5fl+f6eZndn3xivTwAqgKMADAA7VV/suz/tn+1fJ/037P9m83cf8AV7t23Gcdec4zWjd583r+KZCVocvp+aDSxqS6eg1p7V7zJ3taIyxnnjAYk9PeuC8A/wDJXfiR/wBfNn/6JNekEZBB7+hrB0jwXomh63eavpkFzHfXxDXUr308gmIGAWV3IOAeOOKlfFfy/wAv8hv4beZvUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFIwJUhTg44OOlLRQB43ffs9rqGsXmqT+ONeW7vZPMneNlTee3A7AcAdhUX/AAzon/Q++JP+/wDXo2r3zyeNNG0pEgePypr2bzEJZNgCoVIPBLOex4U1VtfFOpz30MMlpGqPIFJFnejAJx1aEAfiQKUVokv66Db1uzg7D9nTSo9estSuvFeram+n3KS+VcOrjKkNtPcZ4/OvV/EGu2XhrQLvV9TkEdtapuYkgZOcAZPGSSBz61ieBoY4L/xZHBGsaDXJCFQYGTDETx9TXT3dnbX9q9tfW8VzA+N8UyB1bnPIPB5pttwVuqT+9ISspO/e33M8H8Va/wCHW1DwhqM3ibRb3VJ/EcF3qUlvqEUi20YVgqZDfLGgOMnAJJPVq6iyul1L9p95lmSe2j8MK9o6MGRleUHcpHBBz1Fa3jD4X6frV94el0bSdGtI9P1SO6vFa2VPOhAOUG1DuzkcHAq/rfhKeHxhpPinw3Dbi6sLZrGazZvKSe2PIVSAQpVgCBjB6cURsnfzf4xt/XzCWq+S/CVzzPxveXNh8RviX9gZl3+Ekkk2/wB8YUH67Wat7xBbwR/skiMAbF0G3Yf721CD+ddXo3gbzb/xJq3iZYZLzxGgt5oIWLJBbqmxYwxAycEknA5+lYzeAtfvPANv4BvpbX+yIXSKTUlmPmzWqOGVBHt4cgBSd2ABkZzip5W4OHe35y/K/wDkVzLnU+3+Uf8AIwvBVzc6j8cNKk1BmaSLwVbOm7+85QufrkmtnRJGj/ad8TQxEiKXQ7eSUDoXDKFJ98E10GteEZ4fF+keKPDkcJu7C2axntJH8tbi2PIUNg4ZWAIyMHkcVN4V8K3Gn+Itb8S6yYf7V1h41MULFktoY1wkYYgbj3JwOfpWl7yT7c34t2/P8DO1k13t+Fv8jq6KKKkop6pa3l5ZmHT7/wCwStwZhCJCBjsDxn864HwF8H/+Feajd3Wi+JbyVb4qbmK5t42WQgkg5GCDyeR616VXM32oyS+OhZxx28kenaa94S0bGRZXYqgBBPBVZMgKT0oWjv8A13B6qx0Nyk0ls6W0whlI+WQpuC/h3rzPT/g99l+IM/jW18XXkmrSu4lY28TRtkbShUDoAAMdRiun03xLqN7qMNtcWkaxyNtYi0vFwPq8IUfiRTPhxFHB4cvYoUWONNYv1VFGAo+1ScAULe/l/kD+G3n/AJ/5HVxK6wosriRwoDOFxuPrjtTqKKACiiigAooqK5toby0mtbqJZYJkaOSNxkOpGCCPQg0AQafq+m6uJzpV/a3ot5TDMbeZZBHIOSrYPBGRxXLeHP8AibfFDxZrJWOSOwS30a2kU85RTNMP++plH/APauZ8SWMPwj8ZW/jHRbVLbwxqAjstds7aLbHbEfLFcqijAAztIHr0Jauj+G4ntPhfHrVxbZvdV+0azNHEMmRp3aVQB67Ci49qTdlcaV3Yk8JahYeIvGXiDU10X7JqGmyDSpLz7SZBOF+cqF6AKSOevPtXaV5/8F4bqL4fxy39lc293eTy3ly9zGY2kmkdmb5WAOANoyevbjmvQKpq1l/V+v4k3u2/68vwCiiikMKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooArnT7NtSXUGtYTeLH5S3BQbwmc7Q3XGe1WKKKAK1pptjp7zvYWVvatcP5kzQxKhlf8AvNgcn3NWaD0rkrPx7DLpFpq17p01rpt3dfZY7oSK6qxkMasw4IRmAwRn7wzijyDzOtoorKsddS98R6no4tpopNPjhdpHK7ZRJuwVwSf4D1x9KANWiiigAooooAKKKKACq6afZx6hJfpawreSosclwEG9lGcKW6kDJ4qxRQAEZGD0qtY6bY6ZE8Wm2VvZxu5kZLeJYwzE5LEAck+tWaKACiiigAooooAKKKKAIL2ytdSsZrLULeO5tbhDHLDKoZXU8EEHqKfBBFa28dvbRJFDEgSONFwqKBgAAdABUlFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUVzOrfEDQ9F8RW+h3328ajdKzW8MVhNJ5wXklSqkHGO1HkHmdNRWBY+M9Lvtbi0kRahbXk0TyxpeafNAHVcbsM6gHGRxmsN/jL4Mi1qPT5r+eNJZfIjvntZBavJnG0S42nnv096Otg6XO7oo60jtsRmIJwM4AyTQAtFcdH8UfDk2pX9hCurS3OnEC8ji0i5kMGem7bGcZwT71u+H/ABJo/inSxqHh+/ivrUsULx5BVh1VlOCp9iAaN9Q20NSiiigAooooAKKKwNf8ZaZ4b1XSdP1BLoz6tcra2xigJTex43Pwo+mc+1HWweZv0UUUAFFFFABRVbUtQh0rTZ766Epht0LuIYmkbA9FUEmqfhnxFZeLPDdnreliUWl4paLzlCtgMV5AJx0oA1aKw/EHjPQPC17p1pr+opZzanKYrUOjEOwx1IBC/eHJwOa3KOlwCiiuZ1b4gaHoviK30O++3jUbpWa3hisJpPOC8kqVUg4x2o8g8zpqKwLHxlpd/rkWkLFqFteTRNLEl3p80AdVxuwzqAcZHGa36ACiiigAoooyMgZ5PQUAFFZdprsV54i1DR0s76OSxSN3uJbcrBLvGQEf+Ijv6VqUAFFFFABRRRQAUVgeJPGmj+FJrKLWXuY2v5hBbeVayS+ZIeiDaDz7VBdePdJsZLZb621a3FzOlvE8ul3CqZHOFUtswMk96FrsD0OmorlvFXxE0DwfcLb6o91NcmPzWgs7Z53jj/vvtHyrweT1wa1/D/iLSvFOiw6toN4l5ZTg7JFBGCOoIPII9DQtVdA9NzSoqlZ6rbX95cwWZaUWzeXLMo/dhx1QHuw746dDzxV2gAoqpqepQ6RYteXayfZ4+ZZETd5S93IHO0dyM469MmrMUsc8KSwuskcihkdDkMD0IPcUAOooooAyfFD6mnhbUf7BtWu9Sa3dLaNXRP3hBCnLEAAHnrXNy+GLvVPDOjeFxYS6fpdi1s11LcPGWlWEqwRAjNyzKMk4wM4yTW/4w0nVNa8L3dnoGrTaRqRXdb3UWOHHQNx909DXhPw31PxF4k8SX/hTxj458RaL4jtJGCW6PFsmUdduUPI69eRyKI/E0vJ/d/kEvhT9V9573Lo99JO7p4j1OJWYkRpHbbVHoMwk4+pJqjpVhfQfEDXb6e0kSzubW1jguGdCJGj8zdwG3D746gVh/wDCttb/AOileJ/++of/AI3TvBOl+JfD3jPWNL8QeIbrXrGW1huLGe5UBo/mdXU44z939KFvYHtf+tzvqKqalqlrpVust25HmOI4o1G55XPRVHcn/E9BWZd+NNEsfEmneH7m626rqBIhtVUsRhSx3EZUYA9e4o30A3qKo6xrNhoOmSX+q3Agt0IXOCxZicKqqOWYk4AHJqtpPiWx1e9nsYxPbX1uiyS2l1EY5QjfdcA9VOCMjPPBweKNwNeiud1Hxzoum3d5DK9xKun4+3TwQNJFZ5GR5jDpxyQMkDk4HNbjXlslkbxp4xaiPzTMXGwJjO7PTGOc0dLh1sTUVW0++j1KzS6gSVYZOYzKm0uvZgDyAe2cH2qzQAUVyOq2ur2vjDSJ7DWruVrm6YXNgwT7OtqEOTtxkEHZ82eS2OhwOuo6XDrYKKKKACiiigAoopGJVSQpYgZCjqfbmgBaKpaXq1pq9u8tm5JikMU0brteFx1RlPQ/zBBGQQa562tdXsfiBbxx61d6hazWssuoQThPLhOV8oxgAFMneMZOQpJ5GaOtg6HXUUUUAFFFUv7Vtm1c6ZEWmuUQSTCMZEKn7pc9s44HU9cYBNAF2iiigAooooAKKiurqCytZLi7lWGGMZd3OABWPovjHSfEfh+bWtBaa+s4pXi3RQkM5Q4YqpwT/M9gaAN2iqcN5FrGji50i8Qx3ERMFygDAZ6HB9D2Ppg1g+GINSs/Ems2kmq3ep6XEsPlS3hVnSc7jKgZQMqB5Zx2JI9qOtg6XOqoqjYava6hc3NtEWjurRgs9vKNrpn7px3UjkEZB57g1eoAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAK8i+IdzNZ/HvwDPbWM9/Itve4t7do1d/k7GRlX35Ir12vMvFmkeIb34z+FddsPD11c6Zo8dxHcTrcW6ljIpUFVaQEgd8gUL44/P8mD+CXp+qOm0bUZ/Euo6tb61oU2mrZlY4I7pkMpWSM7mDRswAOSOG7Vj/ABZ0q31P4eDwrZW0bXWpyxWlhAF4jKsCXA7KiKST6cd67i4keC0luIbV55ljLCFCoeQgcLkkLntyce9eX2OtfEaDVLnVb74YS3d/KDHE39u2qrBDnIjQZOM8Fj1Y+wACdm7P+v6/AautUdxqX/CQabDolr4ctbW9hWaOG/ku5SrRwAYLrjq3Hv8AT0365y8v/FcFpoRtNGtLqe4mRdVH2kItohHzMmT8+Dxx1x0546JiVRiFLEDIUYyfbmqd9W+5KSSSXY8O0vxfY+Cvil8T9V1S1vp7aKSzZ2tIDJt/dkfMei8nqTXTfB7wzfaVHr/iXU/It18S3n2+CzglEiQRHcyksvykkN244FReEfD2sx/Ejxtea/4ani0jxC0SxNLPbyKURCjB1WQkZz2BqbwVoniXwLqd94XfS59W8Js5fTb6O4i32iP96F1dwxUZOCAf14mN1Fd+VL8rr8EOesn2vf8AyZds/GHiDxL4ZvvEfhO309rCCSVbS2ukcyXyxEhmDqwEe4qQo2t2z14qv8XLC78P+F9StJrfTIPEEkkRu9RUtFaOgO5Hwy5JYbRlgO/tUPgzRPFHw/0PUPDEGjNq9nHNLJpV9FcxIgSQkhJldgy4JOSqtnNOsPBVz4W8F6F4VfQIvFGleXN/aseYgRKxDB0ErLnBLgcg456in6eX/B/r9A6/f93T+uptX/jDUPDnhq6v9fgtZ5mvktNONnuEd2JAnlt1YjlmzjOApxnvn2XjjxBH40stIudOTU7G/icpfWmn3NstrKoyEl8zcNp6Bhj6VzafCXVx4E1fS9IuJNL2arHqWgWd1P5v2Mx4IVmBYAMd3AJxwSSc11/hrVfiBqk0K+JvDlrocVsC1xJDfJcNesAcLGg4jBPJLNnt3yGv69LL8b3E9v63v+VrHPWfxC8cav4f8SX2m6PosUmg31xBL588jLIsKglUwASx5+Y7R04POKfjnxC/iLw/8MtfsrPMt7rNtcJamQD5ijHbuPbPGaveF9D8Sab4U8dWl74cu47jV7+8ubOMXFsfMWZdqgkS4B9c/rVRPBvidvhv4FgXSNmpeGL6G4uLGW5iDTLGCDsdWZMnPG4ilHZX/uP/ADG93b++v8jbsvHHirSviBaeGfGmlaXH/a0Uj6Zd6dNIY2dBkxSFxnOO4Hpwc8V/Dfjjxx4nur37HoujRW+ma29hetJcyZ8pMBjHxyw5OSAOQAOta02iaj4m8caP4i1TTJdNtNBima2tJpYnnnnkUKSdjMiqAOPmySecAVV+GGjazpR8UQa/os9hHqWsXF9A8k8Lh45MYB8t2Ibj0x70K/zs/wA1b8Afl5fk7/p8ySz8YeIPEvhm+8R+E7fT2sIJJVtLa6RzJfLESGYOrAR7ipCja3bPXgsvifb6/o/hqTw9Apv/ABG0iwxXB+W28oEzM+OW24wAMbiRyOtZ/gzRPFHw/wBD1DwxBozavZxzSyaVfRXMSIEkJISZXYMuCTkqrZzWVdfCvXfDHhnwjc+DZbe81zw1JLJJDK3lx3gm5lUMenoM44oVvlp6+f8AwfwB31tvr/wP6+87OHUfErXXiDS/EOmwG0gtDJaaraqY47gMpyhjZ2KsD7kH2ri/hVrupXHwv8L6J4QkspNQhi36hJdRNJFaQl3xu2up3n+Fe4yTgc12Nnd+MNU0i/vdd0FdOc2rw22j215HPJI7Dl3kO1B2AAPQtkngV5z4b8C+L/Buh+Gta8P+Hpk8QWimy1jTjdW4jvrfczBt/mY3Lxg9fbAojo2n5f8At3/Av5A9Vp5/p/wbeZ7Bq/h9NfsbW11d4ZUikWWbZBjzCpBAXJJQEgZ5JI4zWLrvjU2XjyDwvFfafpc81kLqKfUY2Zbli5URph0GRjJ5J5GBXW2k0lxaRyzW0tpI4y0ExUsh9CVJX8ia4vxloreI9Un0vXvB517Qntka3uIZYFlt5stvA3ujDI2cg/nSd0/67DVrHV6HPqNxotvLrdvFbX7A+fFCSUUgkcE84xg15j8Q7maz+PfgGe2sZ7+Rbe9xb27Rq7/J2MjKvvyRXbfDvQtT8NeBNP0rW7prm6tww3NJvKIWJRC3fapAz7ccVzPizSPEN78Z/Cuu2Hh66udM0eO4juJ1uLdSxkUqCqtICQO+QKr/AJeL5/kyf+XcvT9TpNJ1bUtev9VW60dtHuNOZBZ/b0SVhvTJc+XIQQemA3bn0rlrP4ja/e/A288aLFpseo2ZnZ4TBI0LrHIVwB5gIJA65P0r1AKCC23azDn1rxK38IeOrP4V6/4Eh0C3dHNx9m1E3ybbhJHLAKnUNzj5iAOvPQxK9pW7aepcbXV+/wCGp1WteP8AX9O1DwZb2Wk2N0viNPmLTsjK/lByAMYVcnrljgHgnrPoPjjV4vF+u+H/ABpb6fBJpliuopc6ezmNoDnOQ/ORjr39Kx9T0HxTLqnw6lPh55RoOTftb3cJVMxCMbd7IWPGTgY9Caty+GtW1L4va7e3ujXUWianoY0v7X50B+bcSTtEhbGDxxn2q5bvl7y/LT8SI7Lm7L89fwLY8W+Lr/wtY+KNB0a1vrO8kR00oBhcm3Y4Enm7wobGG27TjPXis6a58RzftECwj1a1W1j0M3EUMtkzLGjTKGXiUZc7B8/TttqDwdZfEzw5o8Pg6bSLCS0tcwW/iL7auEgzwfIwWZwOADgdM+p1tT0LxDZ/Ge08R6TpseoWE2j/ANnTSvcrGbdhLv3sDywx/dBP0p6c6a21/J7/AD/qwO/K776fmv0/q5c0fxve3HjrxVo2tW1pZ2ehW8Nws0MjOWV1ZiWJA6AdAPXk1QPjfxJd+AX8b6TY2EmmqjXKabKr/aJbZSct5obarlQW27CO2ai07w1qt58TfGlxqujXNto+vWUNpFdGeE5CRlGJVXLDOeOPriq2gaJ4w0L4b3XgabR1u5I4ZbOy1ZbmIW7RPkK0ilvMUqG6BGzjrWevJpvbT8d/w/EvTn12v+i/4Ja1X4m6gb3wc/hrTLW9sPE4bynmnKSKQm7aRjC4PU5boeOmdHwr4t1258eat4U8VWmnx3dpax3sE+ns5jeJztwd/O4Hv39K5/UPBOq6LqXw6stC0m51HT/DTObq5SaFM7o9uQryAk5ycY/Otew0rW0+O2o69LotxHpNxpUdkl0ZoCN6ybs7RIW2ke2fatNObTa7+62n4mevLrvZfffX8DqPDdx4huLa8Pimys7OZbuRbZbSUuHgH3GbPRjz/gK2axvDV7r17a3beJtKh0yZLuRLdIbgSiSEfdckdCeeP0Fa8jlImZY2kZRkIuMt7DJA/M1PRFdWeUeNLyTVvjp4Z0yCxudQg0G1k1S4httm4O/yR53so4IB6967Xw3rLeL7W9uL3SZbK3tb8w28N2oEpaIjLsASB8+cYJ+7mue8AaPrkXj7xd4g8SaLPYSapNGtm8k8MgFvGuFU7HYgnqRjHvXoUUMcKlYUVAzFyFGMknJP1JJNEdIr7/m3f8FoEtZP7vlb/PUrPFY6Wt9qEgjgEg866nc9QqgZJPQBV+leS6fJc/Dv4I+K/ElvCbN9Su7i/sbdlx9nWZgkPy9jja2PfFdB4zvvGV14iSzsPAs2saDb4dv+JpbQC7kHI3BmJ8tf7pAyRzwMGDxPZeK/H/wt8TadrfhxdCneAfYbT7YlzJM6HfksnygEgKB16nuKiXwN+X4f1t/Vrj8cU+52PgrTU0jwPo1knJjs4zIxOS7su52J7ksST9a4fV/iZr3hn4xQ+FtZs7W607ULQyac9pC6SyynO1GJdh1UrngcgnFdPpev3kvwnsda0HTjqt7/AGdG8VkJBGZJAoDJuPQgg/livOviJ4V8d+J7bw/40tNJjtte0m6SSPRorhZDHHkElpMAMxYDIHAHqc1tU/i+V9fR6fgZQv7Pzt+KPT/CbeLpob//AITiDSY2ab/RE05nceVjo5bqfwHfiuc+EmoyI3ifwxIS0fh/VpILbJ+7buS0a/hyB7Yrt9GuNRutLjuNZtI7G5k+Y2qSeZ5I/us3Rj6kcducZPD/AAm093vPFviVgRDrmsSPak/xwxkor/QndUr4mvL9V/wfxH9lPz/RnVat4h1DTb829r4U1jU4woP2i0e2CHPb95MrZH0qC08U6nc3kMEvgrXrVJHCtPNJZlIwf4jtnJwPYE+1Tat4XOq35uhr2tWOVC+TZ3QjjGO+Np5qCz8GtaXkNx/wk3iCfynD+VNehkfHZht5FJeY35HS15T8ZvhhN4ntofE3hQtbeKNKxJDJEdrXCryFz/eH8J/Dvx6tXL+MfEtzpn2bRvD6JceIdTytpE3KwqPvTyeiL+pwB1qZX6b9Co+e3UxvhB8Sf+Fh+GHN9C1vrGnMIb+LYQpbnDD0zg8diD7V6DWL4U8MWnhTRFsbVmnmkdpru6k/1l1M3LyMfUn8hgVtVpJpszjojzmz1B9e/aCv7OU5tvDelp5MfYTzkFn+uz5fxPrTfHo/4u/8Nz3+03v/AKJFFhYPof7Q+p3Ewxb+ItKR4HPQywEKyfXaQ30qbxrpmuX3xK8H6lpuhXN5Y6PNO91Ok8CjEkYUbQ8gJwevA/GpjtT/AK6sqW8/T/21FH4mXEk/xQ+HGksT9ll1GW6kXszxICn5ZNN8bXb6X8efA1xa5D3dre204H8cYQOAfo3Nb/xA8MXmsS6FrmjxCXU9Avluo7csFM8Z4kjBPAYr0ycZH41Xi0G88S/E+x8U6jYzWFjo9k8FlDclfNlmk++5VSdqheBk5J56dVFOyXm/xX9IJdfRL8f6Zg/BdRq3wb1G8v8AEsurXd7NdM3O8sSpz+ArjvDPiC61b4ZfDbwvPIzR6tqjwXJJ/wBZbW8hOw+x+UfQYru9H0LXfBPh/X/DOkaVNfRXVxPLpFzG6CONZh92UlgV2MSehyOmTxWRrnggeBdJ+HF1A3mweG9QWK9mAwAs52vL7DeR+Bqo25k+nufh/lsEtn399/16/oeuaib5dOl/shLZrzH7pblmWPPuVBP5CuA8P+OvFvinSli0nRdOTVrC+e11j7TK6QQ7JNpWLAJZivzc8Adc5Arr/EGq6xp8tlFomhPqhunZJJROsaWvHys+eSueuOeO5wK5TwnoPiDwt4+1+AWzXWlaq8N82oyONol2bZhsB3bmIBAAwB34AKj8Wv8AT/4a4P4dP6X/AA50g8KzjxBLqg8S6wFllV3tALbyiq9I8+T5gT2D9zzya3Lq7t7G1kub24itreMZeWZwiIPUk8Cqeg6outaWL+GRJbeaR/IdYmjygYgZDc54696vyxRzxNHNGskbDDI65B/CjpYOpif8Jz4T/wCho0X/AMGEX/xVaen6pp+r25uNKvra+hDbTJbTLIoPplSRnkVH/Ymlf9Ayz/8AAdf8KmWCKwtJBYWka4BZYYlCB2x09MnpmjRIDi9e8ba34Z8dWOm6lplrcaXqqSpp72ruZ2nQArG+QFG4fgOpOBXS+G5fEM2nyt4sttPtrvz28tLCV5E8rjbksAd3XPFcF4r0/wAWeKdF0rxGmhzWOpaPfwXVro/2hGkcBsSlmBC5KnCjPQHPLYHdLrFwuoaXp92Ire+vFkne32O+2JOoDj5dwLICTwcnHamttd9v1v8A12B76f1/X5m1RVWG/jm1S6sVVhJbJG7MehD7sY/75NZXhLVr7VbfVDqTxPJaancWqGGMoNiNheCTz+NJau39dP8AMHor/wBf1ocvqN++gftA6VbwnbbeJdNkjnQdDNBllf67SV+mPSum0rwrPpmqNeP4l1i9R5Gle2uBbCN2IxyUhVzgdAWwMD0rmdX099d/aC0KSEZg8PaZNcXDjosk+URPqQC30Fej0R+FP1/NhL4mvT8kVr/UrHSrU3OqXtvZQAhTLcSrGuT0GWIFcZB8QNEPxFvIH8UaX/Zq6XA8eb6Ly/NMsobBz97aFyPTFdxPbwXUXl3MMc0ec7ZFDD8jXLweFYV+Il5qD6Ta/wBnyaXBDG3lpgyrLIWG3qOGXnFC+JfP8mD+F/L80bsms2R0GbV7S5hu7OKF5hLBIHVwoJOGHB6GuQ+DMk2o/DuHXr5t99rdzNfXDnuS5VR9AqqAPQV2V5pkFzotzpscaQwTwvDtjUAKGBBwB9a4b4Qvd6X8J10uS2abU9CkubOW1DBS0iOzKuTwNwZSD05zQmk5PyX3df0B3aj6/pp+pPq3jfXdA8fwaJqWlWtxaapbytpLWkjmSWZCP3chYYX5TkkcAZOTiup8OSa/LpO7xXBYQah5rjZp8jPHsz8pywBzjr/kVwPibTvFWvx+H/Fseiz2+o6TqEMsWjC4QyCFgVmy2QpY5GBngL2JIHdR6vN/a+n6ZcmGK+mgkuZ4FjdgsakD5X+7kMyg5684AppaWe+36/16A99Nv6X9epf1DVNP0i3Fxqt9bWMJbaJLmZY1J9MsQM8Vmf8ACc+E/wDoaNF/8GEX/wAVWxcWsF3H5d1BHOmc7ZEDDPrg1W/sTSv+gZZ/+A6/4UgLFrd299ax3NjcRXNvIMpLC4dHHqCODXnnwMGPAl8BwP7Zvf8A0Ya9CcCysyLW1LiNfkggCqT7DJCj8SK4f4Q6PrOgeGbyw1/SJtPmfULi5QvNDIrJI+4cxu3PrmhfE/T9UD+Fev6MpeF7mW2+KXjfwdDcS2tvKkep2jw7d1uZVAlK7gR98huQRkniux8P+HJdBBV9d1PU49mxI7wQBU5ySPKiTLE9S2T+Zrk/CNg+ofGnxl4lUf6JFHBpUL9pHRQ0uPo2B9c16PRH4Y+n/DfhYH8T9fx0v+Nzzj4g6g3hv4h+Ctat/lF9eNpF2B/y0jlAKZ/3XGR9T616PXnHxH09/EPjvwNo1uNxt9QbVbgj/lnFCBgn0yzAD3r0eiPw/N/dp+twfxfJfr+lgooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAKGn6PbaXdXMliXiiuXMr24I8sSE5Z1H8JPcDgnnGSSb9FFAFXUbFdSsntZZpYopOJPJbazr3XPUA+owfQipre3htLaK3tYkhhiQJHGi4VFAwAB2FSUUAFFFFAGR4p8QxeFvDd3q01tcXfkL8lvbxl5JXP3VAAPU9+3WvCfC/xguNJur7VtZ8DeIb7XNRfNxcrbkLHGD8kMYIyEUfmck19G1nxavby6jeW4mtvLswiyuJwSjtk7GX+E4weTzmktHcb2seTf8NESf8ARPfEn/fn/wCtVvwN4+1z4i/EqJrnw9eaFpGl2csqLcht08rlUBJKgcKWwBnv+HpOs60th4f1G/0/7PeTWdtJOITNtDbVJwSAcdPSrel3baho9neOoRriBJSo6AsoOP1qo737frcl7ev6WI9U0i11eGJLoMskEglgmjOJIZB0ZT2PJHoQSCCCRV1AVRQzFiBgsR196WikMKKKKACorq1gvrOW1vIUnt5kKSRSLlXUjBBFS0UbgVdOsRptilpHNNNHHxGZm3Mq9l3dTjpk5PqTT72GW40+4htpvImkiZI5Su7YxGA2O+DzU9FKXvKzBabGd4f0r+w/DlhpZlWX7HAkO9U2htoxnGTj8zWjRRVNtu7ElZWCiiikMKxn0KSXxidZluUeD7B9jW1aLJGXLOd2eh+UYx/COa2aKOtw6WOfsvBWh2GuT6lb6Vp6O6xeUqWaKYWTd8ykDqdw6Y6VN4e0KfRItSSa9S4N9fS3iskHl+X5hzt5Zs49ePpW1RR/X9fcBS0zSbbSkm8jc81xJ5txPIcvM+MbmP0AAAwAAAABV2iigAooooAKoLo9tFrb6pbl4LiZAlwIyNtwAPlLD1HYjBxxyOKv0UAFY8OiTJ4yudbkuleOWzjtY4PK5j2szE7s9yw4x2HNbFFHW4dLBRRRQAVFcwtcWzxJPJAzjHmRY3L9MgjP4VLRQBW07TrXSrCOzsIRDBGDtUHOSTkkk8kkkkk8knJqzRRQBRstIt7O+ub3LzXlzgSTykFtoztQY4CjJwB6knJJNXqKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAK5Ww8L3clrrSatLDHJqOpPcrJCqTHyxhYwRIhXIRFGMHHPNdVRR/X9fcByk/g1rfQ9Vt9OuUmuL2yktkE0EECAsuMloog2Pz+lb2i2s9joNjaXfl+db26RP5TFlyqgcEgEjj0FXaKP6+6/+Yf1+X+QUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFVtSv4dL0q7v7ptsNrC80h9FUEn+VJtJXY0m3ZHnOh3et+Jfit4ssYfEeoQaHo4hhjSFYc+ey7nG4xk4GCMe9dDDZa1pV9e6tBrt5relrprPb2kwhO+cHIKtGikggAd/vVwvgDwLP4g+E15qcuoajYav4le4vmkt72SJQZGOzKqcEYx26GvVrmWDw14XlljiZrfTLMssSdSsadB+AoknCFno0vxtr9wL3paapv9Vb7zy638YXl18KLLxjpWv3F7r008UbWO5THJO0gDWvk44wCcEfNgbsmvS/FWoLpXg7VNRmnktRa2kkxkjI3KVUnjII6jHSvFLnw9f6DoFn8Y/Dj2yahNGNQ1PTBGot5IZMEiPjKuFPLdScn2Pa/Ga+k1PwTpXh6z3R3Hii/t7QKeGWMkO5/AAA/WnNNpxWjvb0b0+7+vVQaUlJ6rf1S1/r+rWfAdnr2r/D7R9T8S+LdTi1DUIRKfLFvGvz5KAAxHnbitmHTPFsHhCLTV1ozatNcOsmqzwxs0EJZirBAArNtCqBjGTk8Cm2/gG3svE2jahaX1+1ppkMqraXF7JLGHKhEYKxIBClxn3rp7y8t9Pspbu+mSC3hUvJI5wFApyabbWwo3skzzGxm8VeCfirougaj4huPEej6/FOUa8iQTWskS7icqBlTx+ftz1X9uSa947uvD+nTNFaaPFHLqM0Zwzyycxwg9htBZiOeg45o0ux+2eID4u11Rau0QtNNt5yFNvEzDls9JJG28dQAq9c1zPwiLnxX8RTc5+0f8JA4OeuzHyfhihdE+ib/AB0/MH3XWy/DX8v1PSJtSsbe8htJ7y3iuZ+IoXlUPJ/uqTk9D0pYb+zuLye1t7uCW4t8edCkgZ4s9NyjkZ9683+ONpaW/hWLXLS3Rde024jvLS4iiUzKkTbpMt12BSc54yR611Gi23hHw3DFeWH2K0n1Uwo1wzL51478puPV2O4n8aUdV/XyHLT+vvOopk08VtC01xKkUSDLPIwVVHuTTZ7q3tjGLmeOEyuEjEjhd7HoBnqfamX1taXljLDqUEM9qy5kjuEDIQOeQeO2aT2H1Im1rS1sYb1tSsxa3DhIZzOuyRicAK2cEk8YFXa8Y+GWg+H7+81/SdXs47q10bVPM0m3vUBS3gnPmxMinoWJ4PXAA4yRXqWm+J9E1jUbiw0vU7e5urYZlhjfLAZxn3GeMjIzVdF56/gLqzVoqJbq3e6e2WeNrhFDPEHG9QehI6gUq3MD3L26TRtNGoZ4g4LKD0JHUA0gJKKr/wBoWZs3uhdwfZoyQ83mjYuDg5bOBg057y2jlhjkuIlknz5Ks4BkwMnaO/HpQAt1d29jbtPe3EVvCv3pJXCKPqTxULatpyJaO9/aqt6QtqxmUCckZATn5sjnio9btNLvdHuI9ft7eewVC8q3KBkAAOTg+2a8u+D+h6Re6K0WvWq3WpeH9TksrL7egMlqiHzIwgP3TtbJxzx6KMEdW1/VgeiuewVQ1m0vLvTXGl3bWl7H88EnVN4HAdf4lPQj8RggGoZPE+ixXk9rNqMMUttIscwkJURswBUMTwCQRjnnIxWrS3QbMwvBvieLxd4Zg1OOPyJtzQ3NuTkwzIdrp+BHHtit2vLvgzvGo+PUX/j1XxLceV6Z43Y/StPxRFpr+IJzdad41nlwuX0q7u0tz8o+6I5VX64HXNO97Puk/vVwtq12b/B2O+orznQodLXXbQwaZ47ikEg2vf3l40Cn/bDylSPqCK9BubiO0tJbmdgkUKGR2PZQMk0OyV2Cu3ZHm9je614g+M/iHSLTxDf2+iaTaQ+ZHCsPFzJ82AzITgLnj1reFjrWmajNq9nr97rOmR6dMwspvJbzJwQU2siKegYY9cVw/wAOvCUvin4f614jkvtRsNT8TXNzdRSW17JCEUkrFkKcHGO4PBr1DEHhLwZ8kbSQaTYcIv3nWNOg9ztpS92GujS/NO/3DXvT01Tf5W/M8zt/GF5dfCiy8Y6Vr9xe69NPFG1juUxyTtIA1r5OOMAnBHzYG7Jrute8QzHxPpfhXS5PJv7+N7m5mABNrbJwWGeNzMQozwOT2xXktz4ev9B0Cz+Mfhx7ZNQmjGoanpgjUW8kMmCRHxlXCnlupOT7HrtCna6/aW1eadWUP4cga3V+oQupI/76Jq7XlZq2ruu2l7el1+fzi+l18n31S/X+tl6Jq88Ol+G7y4muJYYbS2eRpg+XVUXOctnJ46nNcJ8OItf174d6ZrXifxZqcV3qALr5Yt41Cs5EYAMXUjH1zU/xuvpk+H39i2TYvPEF5DpkIHX943zfhtBH41pW/wAO7Wx1bw9NZX2oG00fd/ok97JJExEZRCEYkArnIxjFTHW7fkv1f5oqWiSXm/0X6li20zxZZ+FZbFdZN3qk13Iseo3UUZNtAXO1iihVZggHGPvNzxmuSWTxZ4D+Jfh7Tb3xJc+I9I8QPLA6XkSLLbyIu7epUD5fbpjPsa9TubmCytZbm7lSGCFS8kkjYVFHUk1y9haLqviBPF2tAWsFvEYNKhuPkMSORumYHo7/ACgDqFwOpIAviX9f1+fXoD+F/wBf1b/gdR9zrkmseO38L6bM0UVhbrdanPGcMN5/dwqf4SwBYnqAABgnI6G51GxsZYYry8t7eSdgkSSyqpkY8AKCeT9K83+GRc/FL4lm5z5/9owAZ6+XsbZ+GK0PjPpFjf8Aw+vZzao+rwKJNOmSMGZZYz5nynqBhWJ9s0m0opvyb+ev/AHa83Fen3f1c7lb+zfUHsUu4GvI0Ej24kBkVTwGK9QPerFcP4UfwpZaLp3ih2sodS1i2hM1/MVE9w8xBCk9TluAOg24HArs57q3tVQ3U8cIdwiGRwu5j0Az1J9Kppp2ZKd1dD5ZY4ImlmdY41GWdzgAe5qmdc0ldOXUG1OzFk7bFuTcJ5bNnGA2cZzxj1qzdW1vd2skF7DFPA4w8cqBlYe4PBrxv4f6D4c1DxH4p0PVLOG50qwvlvNKtLtF8mOK45DxqeOWXCn0PGNxylrKw3orntNcn4v1ufwfPa67LMz6PJPHbahC5yIA52pMh7YYgMOhBz1HOvY+J9D1LVp9K0/U7ae9twTJbo/zAA4JHqAeDjoeDXMfG1Ub4L+I/M6C2Uj671x+tTKXKuYqK5nyl/xPrk3hHVdP1O4naTRb+5Szu0c5+zO/EcqnspOFYdOQRjnPW15J8VDI/wCzK73mftP2GyYk9fM3RfrnNein+15PDFt/ZslrHqRhjJa8jZ4wcDdkKQfXvWjVuZdnYhO/K+6/r8yz/a9r/b/9j7m+1/ZvtW3bx5e7b19c9qu15eYvG/8AwtUD7Z4f+1/2Kfm+yT+X5fn9MeZndnvnGK9E0tdSXT0GtyWsl5k72tI2SMjPGAxJ6e9SvhT9fzaG9JNen5JnDfFHV9XtNY8J6R4c1W4sL7WNSEMnlKjD7OozK2GU8gEc1r6r4e1iSNY9F8Y6ml5FNC0iS/Z3HlFxuyPKBGVDYPHIrlpbCPxt+0FeedLcLZ+FtNSJWt52iYXE53HDKQfucGu28J+F/wDhGv7VLXdxePfXrTiW6naaQJtVVQs3JAwcemaI/Cn8/wAUkv1CW9vRfhf/AIBzw8QHWfixrXhjU9VuNLjsLWGWxt4JRCboMpaSXd1bacDaDjgkg9k0Tx9Np/wtv/EniJmuo7K4nitJwoVtQjWTZC4AGMucDIGD16Vi+LPC9r8W/GWt6RO/9myeGooo7W7iQGV5pV35YnrGAMbe+WOelct4n13WdX+FmlWfiOKNLzR/FlvpmoSQDEcyxnhwBwAcrx0z6dKUdUl3t9zaV/x/H7nLR37for2+f9efumg29/Fpkc2sTmW/uFEk6qcRxMR9xB2UdM9T1NcJY3uteIPjP4h0i08Q39vomk2kPmRwrDxcyfNgMyE4C549a9IubiO0tJbmdgkUKGR2PZQMk/lXjvw68JS+Kfh/rXiOS+1Gw1PxNc3N1FJbXskIRSSsWQpwcY7g8Gne8m0tl/wF+v3Ct7qTe7/4L/rzPQdN0jVbfxNFex+JbzUtHa1dWt5/JYGbcu1gyIpxjdxnriuP8Y6V4+sfD1/4utvGElne2UTXY0hbeM2qxKNxiJ5LNtHLZ5PTAxj0vSdOi0jRbLTrf/VWkCQp9FUD+lc94ij/AOExll8M2rH+z1YDV7hTxt4P2dT/AHm43f3VPqRRJdIv5/r/AF6BFreS/r+v8yte+PJLb4eaJrK2qjVddW2hs7RidpnmAIB77VySfYV09uqaRpYbUtQ8woN011cuFBY9T6KPQDgV5v8AEN4m+JXwyS2aNrBNRuExEQUWRUCqvHGQQRjtivS9UtdPvNNmi1iC3nstpaVLlA0eBzkg8cU2005Lu/u0/r7hJNNRfb8df8hG1jTEtra4bUbRYLtlS3lM67ZmboEOcMT2Aq5Xjfwn0LQ7221Gx1u0S5k8P6q0WmRX6DNrCx86Iop+6x3Zz1+UDtXp+k+J9E126uLbSNTt7ua2wZY4nyVB6H3Bx1HFH/D/ACA1arXWpWNlLDFeXlvbyTsEiSWVUMjHgBQTyfYVIl1byXMlvHPG88QBkiVwWQHpkdRmuD+M+kWN/wDD69nNqj6vAok06ZIwZlljPmfKeoGFYn2zUtqKu9ikruyO5W/s31B7FLuBryNBI9uJAZFU8BivUD3p13b/AGu0kgE0sBcYEsLbWQ9iD/jx65Fcb4Wbwrp/h208XOLWK+1GyjmutQkUGebzPmwxHJ+YEADptwOBXYWF/aapp8N9p1xHc2s6B4pom3K49QaqUbaPoSpX1RzPh3WrjxFb6xoOo3LWutaPcC3nntvlLAjdFOo5GGXBKnIyGHIq14M8Sya9bX9nqIjTVtIums75IxhWYcrIo7K6kMB25HauT8Pb1/aX8WiHPktpFq02Onmcbfxxmk8Gb1/aC+IKw/8AHuYbJnx08zy/54zSjrbzT+9O346/ehy0v5Nfc/8Ah/wPS727isLC4vLgkQ28TSyEDJCqMn9BSWN5FqGn297bEmG4iWWMkYJVhkcfQ1yfjWPxcdG1o2F1oq6d9jlwk1tK023yzn5g4XPXHFN8ER+LhoeiG+utFbTfscOUhtpVm2+WMfMXK56Z49aI63+X43/yCWlvn+n+Z2tFRtcwJcR27zRrNICUjLgM4HUgdTikS6t5JJY4543eEgSqrgmPIz8w7cetAEtUrrV7Wz1aw06dmFxf+Z5AC5B2LubJ7cU+WeS70t5tGntpJJEJt5X/AHkRbsTtIyM+hrznXIvG/wDwnfhYT3nh83BN35BS0nCD90N24GTJ46YxR1A9QrgfjHrmpaB4HWbw/fTWerXV5DaWRjVW3yO4GCGBB+UNXW6KutJauPEM1hLPv+Q2MTxqFx3DsxznNee+OLZfF/xn8LeGWeQWulwS6vd+TIUYN9yL5lIIIbn8aVryS8/y1f4Iadk3/XZfidHqXhzWTo0tvp3jLVE1c2zNCW+zEM4HUqYvu7iAfr1rLu9dnf4pWfg3V9WuLKD+yUnhkiYRPqM+4q3zgZGAudq4ySewxXQaB4SXQ/E2q6p9tvLsXkcMUIu7p52hVNxYAtkgEtnGe1cj430Sy+JvjqXwffg2kWkWK3y3sSjz/NkJVAjHogxk46nA4xTbd1/XR/8AD+qFbR/11X/DGr4a8YSWnh3xPqOvXTXOlaJezR22oMBuuIUUE9MBiGym4dSPXNdD4Tk1C/0WHV9XZludQjWYWoPyWyMMrGB3IBGWPJOegwB4h4p1HX4fgX4q8K66I5Lrw3eWto11boESe3Z0ZDgcA4xn8K+hbPZ9hg8vGzy1249McU1azfovwvf5/wCYno0vX89vl/ked69qOs3/AMbtM8NaPrl5Z2I02S91KOFYjgZ2xgFkJBLda6FdE1dNf065sPFV/dWUEzrf20/kMrjYcDKxhgQ23PPSuL8C6PF428YeM/Ftxc3sKTX39m2UlndyQHyoVCk5QjIJwee4r0PwhoJ8M+FLLSpJ3uJoVLTTSOXaSRmLMxY8kkk80o6RX3/fr+Q5fE18vu0f4nJ+KPD3jnULXUNZsPF82jXFuJJLLTYYI2gCJnaJWOSxYDJPQZxg45m034ksvwXsPGOrWo+2XMCqlrHx587NsVV9Azc+wPtWz4lmm14zeF9JlKSTpt1C6T/l0hbqAf8Ano4yFHYHcegzxXxYhtLKw8C6fpojXTbPxJZ28kUbArFtHyqfTA7GiP8AL3aX42f5ocv5uyb/AAuvyPS9KguLDSxJrF5510y+ZcysdsatjkKOiqOg+mSScmnnXNJGmnUTqlkLFW2m6+0J5QOcY35xnPH1q1PBDdW7wXMSTQyLteORQysPQg8EV4z4O0Hw3e+O/FmgahaQz6FHMmpabZ3CL9nxL8kkiL0xvTCnsDx1o3lb+v6t+Qto3/r+rntQIIBByD0IorMute0jTLwWF1dx28yQ+b5RUjbEDjd0wFB4z0FaEE8VzAk9tKk0UihkkjYMrA9CCOoo9A9R9FVbzU7HT5raK9uooJLuUQwI7gGVz/Co7mpZLq3hmihmnjjlmJESM4DSEcnA7/hQAtxcwWkDT3c0cESDLSSOFVfqTVdtY0xLa2uG1G0WC7ZUt5TOu2Zm6BDnDE9gKXVLXT7zTZotYgt57LaWlS5QNHgc5IPHFeTfCfQtDvrfUbHWrRbmTQNVaLS4r9ATawsfOiKKfusd31+UDtRHV2/rsD0Vz2SqGs2l5d6a40u7a0vY/ngk6pvA4Dr/ABKehH4jBANQz+J9Ftby4tbnUYYZbXb54kJURbvu7mPAz2yea1QQRkcg0t0GzOT0bXJvHPgePUtHnbTdTjZ0aMncsNzGSrRuP4lyMeuCCMHBF/wb4ni8XeGYNTjj8ibc0Nzbk5MMyHa6fgRx7Yri/gzvGo+PUX/j1XxLceV6Z43Y/Sj4M7xqPj1F/wCPVfEtx5Xpnjdj9Kpa/NJ/l/n+APT5Nr8/8j0TWNWtdC0mbUdQZlt4cbyq7jywUcfUirteZ/EuPxj/AMIZqxlutDNhuTaq2s3m7fNXbz5mM9M8etdho8fitb0nX7nR5bXYcLZW8qPu7cs5GOvaktQehqahLHBptzNPM0EUcTO8qnBQAZJ5rzf4ZNr3iXwBba/4j8V6nC99M7QBBbxhYt+yMHMXJOPxyK0vjVqsunfDC+tbI/6bqzx6bbKOrNK20j/vndUtp8NLXT/+EajtL/UPs2jSK8ltJeyPDJtjIU+WSQCH2sMYxg0R3bfkv1f6BLZL1f8Al9+v3GV4p1bXvAXhFH1XXbi4jvNcS3fU5Yoy9lZucbsKoXIC9SOrdO1atrqV1YfErTdG0rUZ9V02906S6uhNKJvs2CvlSB+uHywwSQcZGMGpvibqQg0Gy0Y28Mx8Q38Wl7rhA8cQkzucqeCQAcD1xXGaDoWpfCfx1H4a0qZr7w/4hgnezMoBntJ4o920sB8y4AA/pg5SlZNvpf8ACO3637javov613/T0R3fhvXJPF2sajf20zJo+nXT2dsqHH2mVOJJGPdQTtUdOCTnjGT8Yda1XR/Dumx+G9RmsdX1HUobK2MaowYufmyGU5AANVv2f8H4MaUT/rDLceZnru8585qr4otE8ZfHjRdEkeYWfh+wk1GcwytGwlkISMblIIIwDVONpRj6fhq/vsxJ6Sl6/wCS/Q6XWPDmsvpc9vo3jLVItVEW+HzPszAn1ZfK+7nipPEWheI9duEs7DxFcaFYQQruuLWNGnuZTnPJ+4owOgyST0A5seG/Cg0DW9Zvje3d39veIRG7uXmeKNE+6GbkDcznHvV/XNZGlQRx28X2rUbolLS0BwZW9Sf4UHVm7D3IBT2BHH/DPxDrjN4m0Txhex3s3hy6EX9p7BH58RTeCwHAIHX6/idzwXq9x4r08+JJHkisrtnGn2wOAIA2BI47s2M88AEAdycHxJoo8N/CDxTawXS3Gs3lhdXt5KDh55GX53C9Qo4UegAFb3wy8v8A4VX4Z8nGz+y4OnrsGf1prW9+iX363/IT0tbq3+lvzN6HU7C4uZreC9tpZ7cZmiSVS0Y9WAOR0PWn2d9aajarc6fdQ3Vu5IWWCQOjYODgjjrxXkvi3S9Hs/jVoS21utvaaxHJp2sLbxhI52YebEkhHUsVOe5UgHg16PA/h3wjo9tb2a2um6fJN5dvHbx4jaRiTtUKOpOeKS1jf+v62G9Hb+rG1RVax1Gz1KJ5LC5iuFjco/ltkow6qw7H2PNSQ3VvctILeeOUxOUkEbhtjehx0PtQBHJqVjFfx2Ut5bpdygmO3aVRI+Bk4XOTwKW3v7O6uJ4LW7gmmtmCzxxyBmiJ5AYDlT9a8x+N9vZafpWn+IbOEQ63pt7FdLdW8S+csCkLIS390Bx1yM4rs9Ks/CfhVkXTFsLGbU5UjLKQJbuTbkbj1dsHOTzznvRHVfh/X9bg9H/XzG+Nb+98PaRJ4jsHeWPTl8y8sycrPAD85H911GWBHXGDnjEHijXJtP8ADMfjDRJ2urO2gW5ntgcpc2p+Ziv91wp3AjrjB7Y1PFyo3gnW1mx5Z0+cNn08tq4fwLvk/Zjthf550ScHd/c2uF/8dxUttRk+1n+f+X5lJXlFd7/p/mek2V5BqOn297ZyCW3uI1licdGVhkH8jU9cN8F2nb4M+Gjc53/ZMDP93c23/wAdxXc1rNKMmkZwbcU2FFFFQUFZuu6Bp/iXSZdN1iOWazmG2WKO4kh3j0JRgSPatKihq+4XsUdG0ay0DSYNN0pJIrS3UJFHJO8uxQMAAuScADpmrrKHUqwDKRggjgilooeu4LTY5uDwFodvbrZxx3P9mrJ5q6c1y5tlbdu4TONuedv3fapNW8EaDrmuWer6nb3Mt9YsWtZVvp4xCT1KqrhRnHPHNdBRQAAYAFY3ibwno3jHTV0/xDbSXVosgk8pLmWEFh0J8tlzj3rZoo3DY4rSPhB4H0LWLbVNM0Vo7y1ffDJJe3EoRsYzteQjPPpU66JJ4c+IF7r1jC8thrccaX6RKWaGePISXaOSpU7WxyCAemSOuoouBz1p4G0CzXV1S0eQawZPtfnTPJuEmd6rk/KpJJwuP0FYHifSNI8JeFNB02w221tHrViF86YszYlXksxycAAewAHQV6BRQtGvK34O4PVPzv8Aijk/Hvgyz8aWNna3Vkss0E3mQXbSsn2M8ZcBSCzY6A8Z5OMVp674U0nxJcWEurwyTGwdniVZnRW3DBDgEBgR2OR+tbNFAGJ/wiWiJ4ql8Sm1xqLwrE8hkbYVUEBimdu4AkbsZArB0TXfC/iPx1DdaTrGm3E1laS2dpa2s6PIVLKZHKqcqg2KFzjv6iu5ooWj/r+uoPVHJp4Msx8Tm8VwWS2tz9naGe4ErFrslVABXO1VUL7En6ZOvb+GdHtPEl5r9vZImqX0Sw3FyGYmRF6DGcDoOg7CtWijokBzkfw/8Lw+E7rwzFpMa6PdyNJPaiR8OxYMTu3bhyB0PGKo+JfAem65feH2j05I5NGlja2vPOZTbRoynYqg/MW2BfmGAMnOeD2NFGzT/rQN1b+tTG1TwppOs65Y6tqMEktzYKVhHnOIzkg/MgO1sFQRkHkCmW/hfQtI8Qaj4kjgEN5eAPczPK2wbVxuCk7VOBgkDNblFGy0D1PKNO1ay1T4ba/PavFqOq+JpbqSCxhcPI4fMUIIHRQioSTgAZJrvIPtmgeD7G18uTUdRgtY7dVQE+bKEAyzdFXIyWP8+K26KOll5fhsHW/r+Jz/AIJ8Lr4S8Mx2DSCe6lke5vJwMebPIdzt9MnA9gK6CiimAVQ1nRbLX9Lm07VElktZ1KSxxXEkO9SMEEowOCO2av0Umr7hsZ2g6Dp3hrSIdL0aKSGzgG2KJ55Jdg9AXYkD2zWgyh1KsAykYII4IpaKHruC02Obg8BaHb262ccdz/ZqyeaunNcubZW3buEzjbnnb932qv4h0CaHxfpni/SoTNdWcT2l5bp96e2c5+X1ZGAYDuMjriusooA57V/BugeKL6w1XVbe6muLNhNaMLy4h8luPmCK6gHgds10CqFUKM4AwMnJ/M0tFHkgMnxJ4Y0nxdpJ0zX7eS5s2cO0SXEkIYjpkoykjvg8dPSud034N+BNI1W21Gx0R1urSQSwvJfXEgRx0O1pCDj3FdxRQtHdA9VZnI3GiSaF8QJfE9hC81rqlultqcUS7nRkP7uYKOWABKsBzjB7GtO08IaNZ65qGrxWzveaj/r2lmd1AKhTtUnC5AGcAZwK26KOlg63POfE3h3Q/BXw9hsNKRbS2/tSxI86YsTi6jONzEnAGcDoBmtzx/4Qs/G+gxaddWKXT+ZvgneVkFq20jzflILEAnC8gnGcDmuqoo6a97/l/kG2xi654T0rxHDYxaxHNMtjJ5sQWd03HaVIbaRuBBOQeDSP4Q0R/FMfiJrTGox2626uHYJsUkrlM7SRk4JHFbdFHmHSxwun674V8Q+PLJtN1jTJZtLimtrS1trhGldmx5jbFOQihMDPBJJ9Cb3jTRpPGKW/h0xuumtPHPqUzKQrRoQ4iU/xFmAzjgAHPJArrKKO3l/w4dzkvFmht4vurDRHhZNJtbmO7vpGXasvl/MkK/3stgsRwAuOp462iijpYCp/Zdn/AGz/AGr5P+m/Z/s3m7j/AKvdu24zjrznGatOgkjZGyAwwdrEH8xyKWijpYPMwdD8FaF4c1S91HR7e4hutQfzLp3vZ5fObn5mDuRnk84reoooAxr7wrp17rB1VDcWeoPEIZLi0naJpUHRXA4bGeCRkdiKo674E0rV/At54Zgj+ywTgukoJd0m3bxKSTlm38kk5PPNdPRStpYd9bnOw2P/AAlPhdtL8VWc8U3l+TewxTyRJKcYJV0Klkbr174IBBFaOg6Dp3hrSIdL0aKSGzgG2KJ55Jdg9AXYkD2zWjRVXJtpYR1DxsjZAYYO0kH8xyK4B/gZ8PZJHeTRJ2eRizsdUuyWJOST+95Jr0Cil5jOO8Q+ArSfwjpum+HIo7KbQp4rrSgzEqkkZyFYnJwwyCeTznmr1xoGleLpdM1XWLC6jubAttt5ZHQIxxuV1B2yDKj1U44yK6Oijrf5/MDCHhTQrTxJe+JGtlS9uYlW4lkkPlkKpXcVJ2g7SRuxnGR3NYvhzXPDXiXxtJqWkavp91cRWRtLa3tZ0eQQhwzu6qTtBbaADjGP9rA7eihaMHqjk7HwZZ2vxKvPFVrZLZzT27QTyCVma8Y7MMVyVUKEAGOSSScYGdG08IaNZ67qGrxWzveajnz2lmZ1GVCkKpOFyAM4AzgVt0UdLfIOtzmLLQ9A8CeHRYaVc2ujpIxS3mvpfMxIQcAb2BOBnCgjjPvUXgWSbTvh/bi/hUtavMgaziYi5USsBKq8n5/vf8C9K6p40lXbIiuM5wwzTqNdQOR8OaNJoT634k1aCR9U1mcTSwQr5jRRqNkUIx1IHU9Mk84GaseDPDcujLqep6kF/tXWrs3d2FOREMYjiB7hFAGe5zXTUUbfdb5f0g3/ADIrq1hvbOa1uk3wzxtHIuSNysMEZHPQ0lpaw2NlBaWqeXBBGsUaZJ2qowBk8ngVNRQBl3XhvSb3xJY6/c2ayapYRvHbXO5gY1cYYYBwcgnqD1qO08KaJY3mr3VpYJHNrRB1BtzHz8AqMgnA4Y9Mda2KKVlsO7M/QtC03w1otvpGiWwtbG2BEUIZm25YseWJJ5JPJ71LcaXZ3epWd/cQ77my3/Z33EbN42twDg5HrmrdFMQVz9n4H0Gx8UTeIra3uRqs6COW4a/nfeoxhSrOVwMDjGK6CijrcOlgrI1Pwxp2qapDqbia21GCMxJd2szRSeWTkoSOGXPOGBAPIrXooAwLvwXo914W1LQWgb7Nqav9pkZy8kjsMeYzNklhgYJ6YA6CovDlrdv4ZTQfECTrdWUS28k8MjxrcIowsiSKQRkDkZyDkdME9JRR38/0AxfDPhHRvB2ntY+HbaW1tWcv5TXUsqhjySN7NjPtW1RRRuBwd38FPAV9ez3l3o9xLcXEhklkbVLrLsepP72rerfDfR5/h43hXRIRp0MLCeyfczmGdX3q5LEsfm65PQmuxoo6WQdbs5m40a18baLZw+J7G5t7iznWWSBJniAlUEHDqRvQgn2IPODkC1N4O0OfxHaa5JZAXtnbi2hKuyoIwdygoDtO08jI4PI6CtyijrdB0sef6P4j0eXxp4o1q51C3YW7R6ZbRJIHkcRLvcIg5YmSQjAHO2rfgrT/ABFoXgqxtRp1o0rvNO8F1eNEbYSSs6xjbG4O1WA6jGK7WihaL+v61eoPV/1/WxxHjC7mRfDB1lbSzmOvwbUiuTIpG1+dzIh7+lW/F3gyz8Ua1ot5LZL9q024WeK/MrKYFV1Yqqg/MW2gcjABJ68HrKKFp99/wX+QPX7rfi/8zG1nwppOv6np99qsEk0unljComdUO7GQyg4cfKODkcU2Pwroll4nu/Ey2/l6hcRqJpmlbZ8ilQ20naG28bsZxx3NbdFG2wHl+j69pt74X8T6pFLDqF9r11cC2sYXEksyKPIiXaOcEJuJPADEniut0mK/8MfD/S7CSKTUNTtrKK3CJk+ZKEA5boq5HLHt+VdHRR0t6fgHW/r+JyXh7RH8CeCxZ20T6lqk8jzymNSBcXUhLMxPRVzxk9AB3q74J8Lr4S8Mx2DSCe6lke5vJwMebPIdzt9MnA9gK6Cin/X9f12AqappdnrOmy2GpQ+dbTY3x7iucEEcgg9QKt0UUgMHxB4K0LxRdWdxrlvcXEllKJrbZezxLFIOjhUcDcPXGa3EQRxqi7iFAA3MWP4k8mnUUeQFDWdE0/xBprWOrW4ngZlcDcVZGU5VlYEFWB5BBBFQWHhuxsdQW/Z7m8vEjMUc93O0rRocZVc8LnAyQMnAyTitaigDkPC2iSeD9V1HSYoXbSNQunvLKWNSRbu/MkLY+6Mgsp6ckdQM39N8EaDpPiO616xt7lNTvABcTvfzyeaBwAys5UgduOK6CihaW8tAet/MK5PxJ8MfCfi7VhqXiHTpru6WMRq/2+4jCqOwVHAH4DmusoosBzPh34deFvCkN9FoWliBdQQR3XmTyzGRQCNuZGYgfMeB61R8MeHDpfhi58D6tFNNp8ccsNpcoWAmtXJwpYfddQ23tkAEd8dpRRvuG2xzM/w98OXHh2z0WW0lNpZ3CXMLC4kEolXo5kzuJxxnPTj0rK8QX+lL4/8ADmiTXdpaWulxS6jLHJKqKpVRFCuCf+mjED/Zru6KLu9/6/rYLK1jj/C8E15438R6/EjR6beJbW9sWGBcGJW3Sgeh3BQe4XI4xUnhTwZZ+HfEWuarYWS6emqOpa3WVn3sGdmlbJIBYv8AdHAAHrgdZRRsG5zdt4A8O2umarYJZvJBq/mC7E07yFg5JKgsSVGWJAGOTnrWN4l07S/DNh4S06zK28Eet24TzZSzNhHGSzHLHpyfau9ooWjT7W/Bg9U/O/4o5vxraXmuaHP4d00SJJqaeTPdbTst4G4kbPQsVyAo5yc9ATVbxHojzeD08G+H4nt4ri2WzacKdlrbY2sc9C20EBepJyeATXW0UrK1n/X9f5ju73XQrabp9vpOl2un2MYjtrWJYYkH8KqMAfkKs0UVTbbuyUklZBRRRSGFcre+LrybxdceG/DWnQX17ZQJPey3d0YIoA+di5VHZmOCcYwB37V1VeaeNPAGpaj4pk8V/D3XhpXiS3jWC5ik+aC6UAFUkHODgjnB4x060uq7D6M6PQ/E2r6pfazp19oK6df6akTKr3e+K48wNgq4TO35eu3PXgYqL4a+Lbzxr4OXV9StoLWc3M0JigJKqEcqOTyenXj6Vk/Dvx5feINb1PQPFuiLo/ijToUa5WP5o7iLJ2up54y3TJHzcHrjznQLLU4P2f8AVNf07xDqWnT6XcXlxbQ2cgjjLLMSfMGCXz0wTjGOOpLuldva1/xWoJN2S3vb8Ge66zJriSaf/YENjKjXSi9N27KVg/iKberdMZ4qj4m8TNpGraLotksZ1HWp3igaYExxKiF3dgCC2AAAARknqK47xjrmr/ZPh3qdrqlzajVNSs47u2hKrHKsi72zxu9sZxjtUXj/AEW1ufjV4D8yW+X7W175nl388e3bCuNm1x5fvsxnvmnZ83K+7X3JMnmVr+V/zOx8N67rMmpXGj+LrWztdSVpHtWs5Mpd26lR5oQksnLgYY9c4rp68jXw9ZD9pRohLqAX/hHVmyNSuNxYThRlt+SuAPlJ2nqRmvSPE1nFf+FdTtrgyiN7aTd5UrxN90n7ykEfnzUSlanz+v4Nr9Coq8+X0/Gz/UtabqVpq9il7p0yz28jMEkXo21ipx7ZBq1Xg/h7WpPBX7OegajpM06X+rSQ2SSzXEksduXlYF1jdii4GTgAAnGc11Hjy41D4dSaFrukanqF1bSahFY6jZ3l0863CSZG9d5OxwR/Dgc9K0cbS5fO3z/pohO8b+V/l/Vz1CiiipKCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAK5SfwprMHivUNc0PxGtob8RiSyurLz4PkQKGwHRt3XkMO3BxXV0UAcro3g6bTdZ1PX7zUkvtf1CFYDdG22QwxryqJEHztzycuSfWsGw+FupWPwu1LwZ/wkVtJHftKTdnTGDIshJYbfO5OTwc8ehr0iik0mrfIabTv8zgNW+Heq6ppHhWy/4SC0iPh24huFk/s1j9oaJdq5HnfKMdeTz6dKueIfBWq63420DxDDrlra/wBieaYrdtOaTzDIgV9zecOw4wOPeuzoqru9/O/zJsrW8rfI4/VPA1ze/ECz8VWOuSWE6WP2G7hS2VxPFv3/AClj8hz3wa6y5gS6tZbeTOyVCjY64IwakoqWk48vT/Mq9nc86074Rwp8OpvBuu61PqengbbNkgWFrUBiysCCdzgnqeMDGOudVfBN/qP9kx+LNbj1e30mZbiGOOy8gzSoMI8p3tuIznChQTyfSuwoqru9/wCv+HJtpYKKKKQwooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiq2pX8Ol6Vd39022G1heaQ+iqCT/ACpNpK7Gk27I850O71vxL8VvFljD4j1CDQ9HEMMaQrDnz2Xc43GMnAwRj3rq9H0nVbbxI16fEd3qmjS2Y8uG4EJHmls7lZEUkbR+ted+APAs/iD4TXmpy6hqNhq/iV7i+aS3vZIlBkY7MqpwRjHboa9XsLjTLSaPQbO5h+0Wdsh+zKwLxxD5VJHYcVSTjZPdfnbX7iW07tbf8FW+80a5XUtdl1HxxF4T0yZoWitvtupXCH5o4idqRqezOcnPUKDjkgjY0/xFpGq6hc2OnahBcXVqAZYkb5lBOM+4yCMjjNcB4ELn47fEb7T/AK0fYhHn/nn5Zxj26UlrJLyb/r+ug3pFv0R3Vx4q8O2OojTbvX9MgvQQv2Wa9jWXJ6DaWzk1Imo6Zr8N3aaXq8MssR2StY3KtJA3vgnBBHQ/QivJv2i/D27TNK8V6M7Q6/pM2+ExKS8kS/Ox47Jjdk8AE+oruvhTrWm+Ifhzp2paX96cM15uILm5zmUse5LZP0I7UR95O/T+k/66hL3Wrdf6Zc8H+JJtWl1TSNUKf2votx9nuigwJVI3Rygdgy847EEV01eX+Ht6/tL+LRDnyW0i1abHTzONv44zXQeNI7F722+22Xim5byztOh3NzGgGf4xFIoJ+uaL3jF9/wDhv0C2rX9a2f6nYUV5ZHBo/mLjSPiMDkfev7/H4/vq9TH3R/Wn0F1PN/Fmpazc/GHw54a0PWruxguLWa71JIVjbES8JjchwSwIrdk0LVxrGnTab4s1Ce3t7rF/bzfZ2V02E7TiMMDnZ36GuP8ACelReNvih4z8S3FxeRQWs6aPZSWl08J2xDMnKEZG4g13/g/w8fDHhuLTpLiS6mEssss80hkeRnctlmPJOCBn2pR+FP5/e7r8By+Jr5fhr+JwmneK217TfGF/qHiG50nUdDuriNLSN1RbSOP/AFbFCP3m7GSWyCTgYren8a6laeBfDs13aJD4j17yLeG1dSFSZ1yzsOu1RliPoK4S+8Jz/Ek6n490CWPS9e06+kgsI/KUpMtu2MTgj5mYjOT90BR2zUreIrjxZ4++EmtXtv8AZ0vLe8kaL+FZhHg49sjI9jRDVRT68v5N3/7e/BhPRya6c3/DfL8Uez2dq1rZLA9zNcOB880rZZmPU+g+gGB2FeZ+AbzWfFTeJtUvvFWow6Ra6pLbaeU8hQIo/vMzGM5HPX2rsvH+vjwv8P8AWtY3bXtrRzF/10I2p/48RXF+GfhUifC/QtOa+1CCcm3ub2EXsgily4klRo87SCCRjHWiOsm/Rfe/0S/EHpFL+tF/wUdfp+m+ItJOty/2tPrSyKh0yG88pdjbTnLIq5BYjrzgVwvi9PG/w8isvFA8Xz65E15FBf6bPaxpE6yMF/dBRlcEjHJPqTyD7D0FcfPDF401i1u5SP8AhH9In+0Ru33by4XIDj/pmnJB/ibnovIviT9Pu6h9lr+r9Cz4m8RS2+u6R4a0qQJqerF3MuA32a3QZeTB43dFXPGTk5xg7slxaaTYoby7SCFMIJbqbGT7sx5NebRS+f8AtRLIziSFvC+61cHKsDMMlT3rsfF+haLr9ra2+v2I1NI5S9vYsfllk2kAkewJ5PAyT6Ua8qfe/wCbX6feH2mu3+V/1Naz1jTdQlMdhqNpdSKNxSCdXIHrgGrlcdoGieEfh/ZahdW8emaW25ft0sQEaoSMqnrjB4HU5z3rrLi6t7SAzXc8cEQIBklcKozwOTTESk4GTWaviTQ3cIus6ezE4Ci6TJPp1q1fxRXGm3MVxKYYZImV5VbaUUjBIPbA71w+j/DnwTY6xY6lbeHdPsDG+LBWi/eyuFJ8w55zgEgde55xhLfUb20PQK5PxPrk3hDVrDU7idpNGv7lLO7SQ5+yyPxHKp7LkBWHTkEY5zr2PifRNS1efS7DU7ae+twTJAj/ADAA4JHqAeDjoeDXHfHwKfgrrZP3lMBT13ecmMUm7Wfp+Y0rvlNrxPrk3hDVrDU7idpNGv7lLO7SQ5+yyPxHKp7LkBWHTkEY5z1leXfGne37Pt+11xcCG1bnr5nmR/rnNd2f7Xk8MW39myWsepGGMlryNnjBwN2QpB9e9VaykuzsSnflfdf1+ZZ/te1/t/8Asfc32v7N9q27ePL3bevrntV2vLzF43/4WqB9s8P/AGv+xT832Sfy/L8/pjzM7s984xXomlrqS6eg1uS1kvMne1pGyRkZ4wGJPT3pL4U/X82hvSTXp+SZw3xR1fV7TWPCekeHNVuLC+1jUhDJ5Sow+zqMythlPIBHNa+q+HtYkjWPRfGOppeRTQtIkv2dx5RcbsjygRlQ2DxyK5aWwj8bftBXnnS3C2fhbTUiVredomFxOdxwykH7nBrtvCfhf/hGv7VLXdxePfXrTiW6naaQJtVVQs3JAwcemaI/Cn8/xSS/UJb29F+F/wDgHN2viD+3viR4l0HVdYuNJ/slI2s7aGUQmSMpuactjL4Jxj7oAGRzS6V8QLuw+EK+JdfjNxdeY8NphRGb8mUpC2O28bTwMYyQMVgeJfCcHxd8Va/H5g0u78NMlnY3KRgvJKyh2aXI+aPkKF92POcVha94i1bxD4P8EHxDAkN1Y+MIrDUPKGI5HiYruHbB/LOaI6pLvb7m0r/ivv8AuctG32v96T0/D8Pv9x0e1u7XT0/tO6a5vZAHnfogYjlUX+FR0HfuSTk15/od3rfiX4reLLGHxHqEGh6OIYY0hWHPnsu5xuMZOBgjHvXo2pX8Ol6Vd39022G1heaQ+iqCT/KvIPAHgWfxB8JrzU5dQ1Gw1fxK9xfNJb3skSgyMdmVU4Ixjt0NG8m+y/Pb9RbRS7v/AIf9PvPQtK0vVrTxBJfL4hu9W0iSy/dW8/knMpbO5WRF42jvxzXE+NbDx/oHhq78Zw+MHW9sU+1S6P8AZo/sgjHLRD+IkD+InJx2zx6tZWkVhYW9pbrtht41iRfRVGB+grl9dgXxtdNoEJ3aPbzKdUmHSYqQwtlPfkAuew+XqTge9ov+u/8AXoEX1kv6/r/MbrPjSSz8L6HPawKur+IGghsreTkRySKGZm7lUGSfXGO9dJCI9J0wG+vmZYxmW5upAMk9STwBz2GAOgrzbxlMk/xw+G5idJLH/ThGUYFPMEeMccZGMV3ninS9K1jQ2s9fia4sXkQvbA/8fBByqYHJyQOO+PTNO91zLq392wrWai+iRattd0m9uFgs9UsriZvuxxXCMx/AGr9cb4Y8F+FvCup3F/ZaXpumag0G50hUD7PDk9T74OW6HHHArf0bxHo/iFZzouoQXn2dgkojblCRkZHXkdD37UegzTqpearp+nMq6hf2tqXGVE8ypu+mTU0V1bzySxwTxyvC22VUcExn0IHQ/WuT8U+DfD3ibWlfU9Kt9V1HyFjQ3Q3x2keSd231JJ46tjsASJ1GdTZ6hZ6hG0lhdwXSKdpaCQOAfTIqpr1tfz6Y8mjXJt7+AGSDdzHIwH3HXup6eo6g5rJ0+fwh4B8NW1va3Fnpuml2CMMBXbOHc4Hr1PQcdBiuoVg6hlIZSMgg9RTavsJabnKafrk3jXwHba74anazviheOKQ5UTLkNDIO43ArnqOoxWl4R8S23i7wtZ61ZqY1uFPmRMcmKRTtdD7hgRXEfAreND8ToP8Aj3XxHeCD025Xp+OaPgVvGh+J0H/HuniO8EHptyvT8c01q/VJ/l/n+APT5Nr8/wDL8T0TV9WtdE083t+zLCJY4squTudwi8fVhV2vMviJF40HhiU3F3oJtft1ptWO1mD/APHzHsyTJjrjPHTOMV2ejR+KFunPiG40iW32fILG3ljcNnuXdhjGaS1V/wCtkD0Nqio0uYJJ5IY5o2lix5kauCyZ6ZHbNRf2jZfYjefbLf7KOs/mrs64+9nHXigCzVKDVrW41u70qNmN1aRRzSgrwFkLBcHv9xqbrC6u9kv/AAj8tjHc7xlr2N3Tbg54VlOenevPtNi8b/8ACyteEd54fF19hs/NZrSfYV3Tbdo8zIPXOT6UdQ6X/rc9QrzjxzqmsN8TvCXh3QNZurH+0POmv1hWNsQRgHI3KcEnIzXf2AvVsIRqjwPd7f3rW6MsZP8AshiSB9TXluh6ZF43+NPivWrie6jttGji0i0e1uXhO4fNL8yEHhj096Ptpdtf6+dg+y38vv8A+Bc6660HWDf2T6V4t1Fxb3ifbYJvs7q8WNzIcRggkbeh6GsLT/EQ8Q+MPFunavrlxo8miS7be2hlWHZAEDfaDkfPkk9cqBjjnnq/B/hw+GNFls3uZruWW7muHnnlMkj7nO3cx5JCbR+Fea674QX4ua9r+o2sqaTqXh27/s/TpljUmR0AdjNkHchLAAdhk85xSfby+7bX5P8AMf8An/n+f6HS2Pj7ULL4Q6br+t2wk1e+K29rBt8v7VM7lIjj+EMMOfQZxXb6XaT2diiXt093ct800rcAseu1eir6Afqck+Iap4k1LxTZ/C++1u3W3mTxGba9VB+7M8TFAR7Ehj+de169q0WheHdQ1a5IEVlbSTtnvtUnH6VUmkpS8/wsn+ooptqP9Xu1+h5/4Wu9a8UePvGEf/CS6jDoek3SWlqsQhB80LmXLGM5AP8AOuq0rTdZsNXvb4a7da1pklkjWdvOYeZcsSQ6KvBATGePmNcB4H+HEurfBuNp9R1Gz1TXQ19cPDfSRoxlbd8yA7TlMA8c17FDEkEKRRKFSNQqqOwAwBRyuK5XutPw1/EV1J3Wz/pHkXji28e+D/Ds3jSPxi91cWbJLdaS1sgtGjLAGNP4uM/eJycdjXa+I/FktjZ6JaaegTV9flWG1jkGRCNu6SRh3CLk47nApmrW6eOb9dMX59CsbhZL6X+G7lQ5WBfVVYAufUBf72OZ8Qzrc/tFeCJEkWWzbTbwwOjBlL7TnBHHTFKOtl3f4JX/ABt+vUb0u+y/G9vw/wCB0PSVaDSNNU3l7iKIfPcXcoGST1LHAGSenA7AUy11vSr6cQ2Wp2dzKRkRw3Cu2PoDVHxZpGka3pCWniC3N5aecrizH/Lw4ztQjvzzjpxk8A1neEvBXhvwxqN1PpWl2FjqUsa+clqgHkxknaueuCQcnuR6AAC1buD0Wh1tFZVt4n0W6nEMOowmQzNbgMSu6VTgxjOMsCD8vWtWgAoqrFqdjPqU+nw3UUl5borzQK4LRq2dpYds4P5VKl1byXMlvHPG88QBkiVwWQHpkdRmgCO81Kx05UbUL23tQ5wpnlVN30yeaSz1Ow1EOdPvbe6CY3+RKr7c9M4PFc94u8LaD4kvrUazpcWr3ccbLbW9xzFCCRukI7dAM+2B1NWvC+heH/CWhzw6DBbwW8cjvcvbxgBpB94kD0xjHbGKFtdg99Doa5Pxfrc/g+e112WZn0eSeO21CFzkQBztSZD2wxAYdCDnqOdrTvEWkas0S6fqEMzTR+bEobBkT++oPLLyORxzXK/G1Ub4L+I/M6C2Uj671x+tTJ8q5uw4rmfL3NDxdrk3hCa016SdpNHlnjttQic5EIchUmQ9sMQGHQg56jnrAcjI5FeX/EXfJ+zRdm/z5x0i3Z93XzP3f65rsNL/ALYk8AaUdPkto9TaxtyzXsbOm7Yu7IUg56960a5XKPZ/n/w34kp3UX3X5W/zNP8Ate1/t/8Asfc32v7N9q27ePL3bevrntV2vLzF43/4WqB9s8P/AGv+xT832Sfy/L8/pjzM7s984xXomlrqS6eg1uS1kvMne1pGyRkZ4wGJPT3qV8Kfr+bQ3pJr0/JM4j4taxq+nQ+HrHw1qk1hqerarFaIY1RgYzkuxDKegxzWprHh3WZbKSHQ/GWqRaiuxwJPszAKWwSy+VnBAb8RXMavZJ40/aCt7GWSdbPwvphndoJmjZbic4A3KQR8gBrtPC/hUeHb7Wbg3l1eNqFysiPdXDTSJGsagJubnAbeQPeiPw39X+Nv0bCXxW9P8/1SOeXXzrHxW1nwvqeq3GmR6faQy2MEMoha6DKWklLYy204G0HHBJB7GiePptP+Ft/4k8RM11HZXE8VpOFCtqEaybIXAAxlzgZAwevSsXxZ4Xtfi34y1vSJ3/s2Tw1FFHa3cSAyvNKu/LE9YwBjb3yxz0rlvE+u6zq/ws0qz8RxRpeaP4st9M1CSAYjmWM8OAOADleOmfTpSjqkurt9zaV/x/H7nLTXov0V7fP+vP3TQbe/i0yObWJzLf3CiSdVOI4mI+4g7KOmep6muEsb3WvEHxn8Q6RaeIb+30TSbSHzI4Vh4uZPmwGZCcBc8etekXNxHaWktzOwSKFDI7HsoGSfyrx34deEpfFPw/1rxHJfajYan4mubm6iktr2SEIpJWLIU4OMdweDTveTaWy/4C/X7hW91Jvd/wDBf9eZ6Dpukarb+Jor2PxLealo7Wrq1vP5LAzbl2sGRFOMbuM9cVx/jHSvH1j4ev8AxdbeMJLO9somuxpC28ZtViUbjETyWbaOWzyemBjHpek6dFpGi2WnW/8AqrSBIU+iqB/Sue8RR/8ACYyy+GbVj/Z6sBq9wp428H7Op/vNxu/uqfUiiS6Rfz/X+vQItbyX9f1/mVr3x5JbfDzRNZW1Uarrq20NnaMTtM8wBAPfauST7Cups4v7M03/AE69adkUvPczsACe59FHsOBXmvxDeJviV8MktmjawTUbhMREFFkVAqrxxkEEY7Yr0TxDY6fqegXVnrJb7BMoWdQSPMXI+Tjk7vu4HJzgU27pyXd/oJJpqL7L9f8AIdB4g0a5nSG21axmlc4WOO5RmY+gAPNaFcT4b8BeFND8QR6lZaFp+m6i0TG2hjjAkij4DMf9o5AJ6DOB3J6GTxPosV5PazajDFLbSLHMJCVEbMAVDE8AkEY55yMUAatBOBk1FcXVvaRiS7nigQsFDSuFBJ6DJ7mmX8UU+m3MVxKYYZImWSRW2lFIIJB7YHepe2hS3Kq+JNDdwi6zp7MTgKLpMk+nWtCRBLEyMWAYEEqxUj6Ecj61wGkfDnwTYavY6nb+HtPsPKf/AEANF+8lcKT5hzzwASB14yecY7fT9SstWtTc6ZdRXUG9o/Mibcu5SVYZHoQRVaWEc7oeuTHxNqng/WZ2lvLWBbm1uQdj3Fq+VBO3GHVgVJGM8HjNO8Pa/PH4r1Lwlq83nXtnEl3a3BADXNs5wCwHG5WBUkdeD3Nczre9f2nPDJt8/NolwJ8f3NzEZ/4FijW96/tOeGTb5+bRLgT4/ubmIz/wLFKOvL53/C/+X5hLTm8rfjb/AD/I9Qqlo+rWuu6VDqOnszW827YWXaflYqePqDVDWI/FTXoOgXOjxWuwZW9t5Xfd35V1GOnauP8AhpH4x/4Q3SzFd6GLDzJNytazebt85t2D5mM9ccelC1B6HplcR4/8cw6EbHRNL1C0i1zVblLaLzHU/ZUPLzMpPRV5GeCSOtdvXms1vD4g/aHRWhjkg8PaQXclAf387YGffYtC1kl/Wmv6WDaLf9dv1Ox0PQZtFvL2RtXvr+C5EXlw3cpk8llBDMGJJ+YkEgYAxwBWzRRQAV598TdQuotY8KaVp2p3OnzahqWZ3hn8sfZYlLzFj6YwM+9eg15g2lWfjj45ai+pwLd6d4ZsI7VYZBuje4mO9sjo2FCjB74oXxL7/u1/4HzD7L/rfT/g/I9CtNZ0u/sWvbHUrS5tEJDXEM6vGpHUFgcVV8P3t9fw3dxeXel3ds1y4spNNdmHkjgBySQXBznHFeV6fPZ+F9J+KXibSrWGDRpJVisIo0AikmjjMbMi9MGVgMjqQauG0l0fwl4E+HNjO1tJqwK6hNC+GWKNPMuFBHRmZtuewJoWu3l+Ov4W+4Hpv5/genw+INGuJjFBq9jLIJRAUS5QnzP7mAfvcHjrxS3Wu6RZXgtL3VLK3uSm8QS3CI+3+9tJzjg815vKNH1T46aTY6fHDDY+ENMkllKALGkj/IiDt8o3H2OfemX9sulfEi4sNZgj1Pwx48dDDPjLQXKRjCE91KqCp7H8aFrbz/zsvvs/yB6X8v8Ah392h60CCAQcg9CKKpQaxptwt59nvreRbBzHdFZARCwUMQx6AgEGm6Rruma9byzaRexXSQyGKTYeUcc4IPIOCDz60B6l+iiigAooooAKKKKACs3XdA0/xLpMum6xHLNZzDbLFHcSQ7x6EowJHtWlRQ1fcL2KOjaNZaBpMGm6UkkVpbqEijkneXYoGAAXJOAB0zXPLcQf8LmliM0fmf2EuU3DP+vY9PpXX0UXfNzev4pr9Q+zb+t0zidMuftnxOF9p17p2q6bPpbRpLaAFrPZIpCl1Yhg+4noP9Xx0NWNR0OXSfH0fi3ToXmjubUWWpwRLlygOY5lA5YqcggclTxnGD1iRpEpEaKgJyQoxzTqNreX63/zDe/n/wAD/IxLvwno+oapLqV1FdSXM9s9qx+2zhfKfG5QgfaucDoAeKp+HPBXhr4e2N03hrT7i0hl+eWGO4nn3t0BCMzfN2yBmunoo22Dfc5fwh4cm06+1jXdUQJqmuXAlmQEHyIkG2KLI4JC9SOMk9sV1FFFHkAVHcQJdW7wymQI4wTHI0bfgykEfgakooAxPDPg7RPB9tNb+Hraa1hmkMskb3cswLnq2JGbBOOorboooA5+TwVpDXV7NB9rtF1By95Da3TxRzsRgsVU8EjqVwT3zVPxZ4QXUNL0mTQoYbe+0C4judOjA2JhRgw8dFZcr7cHtXWUUen9W2D1/q5zuseG9F8faHFB4isLt7ZiGe0knmt9rA9GVGAbB78juD0NbtrbR2drHbwmQxxjavmStI2PdmJJ/E1LRR6B6lXVNNttY0u40+/WRra5QxyrHM8TMp6jchDD8DXDj4EfDoKF/sCQqOinUroj8vNxXoVFGzuHSxyfibw5L/wkGjeJ9Gg8y90gPDJbpgG4tXGGQdtynDKOmQR3o8RfDzwn48mttQ8RadcXjpFti33VxBsU842K6gH1yM8c9K6yigPQ888VeGdB8E/BvXtO0K2Sws2heQo0zPudsDO5ySTwO9dB4w8PWPi/wkdNu9Pi1OKYq8SyTFI1bHyyFlIOB1wM56V0dFD97ca02MK48IabqXgy38NayJryxjgjgkxPJE0oQAfMUYHnGSM4rN8N/Czwb4Q1f+1PD+j/AGW8EbRiVruaXCnrgO5A6dcV19FO7u5dWTZWSOF0/XfCviHx5ZNpusaZLNpcU1taWttcI0rs2PMbYpyEUJgZ4JJPoTd8W6I/jG8sdFliddKtrqO7v5HUgTbPmSFc/ey2CxHAC46njraKS6eX/Dj7+ZyXi3RH8Y3ljoskTrpVrdR3d/I6kLNs+ZIVz97LYLEcALjqeOtooo2Vg63Kn9l2f9s/2r5P+m/Z/s3m7j/q927bjOOvOcZq06CSNkbIDDB2sQfzHIpaKOlg8zB0PwVoXhzVL3UdHt7iG61B/Mune9nl85ufmYO5GeTzit6iigDEu/Cem3OsS6pEbmyvbhFjuJrO4aIzqv3Q4BwSOgbGR2NUPEfgTT9X8DSeHtPRbERsJ7OQZbyp1beshJ5Y7upJycn1rqqKXQOtznpNOt/GfhhtP8UWFxCXXyry0WeWJWbHIDoy70PY5wR1wcitPRtGstA0mDTdKSSK0t1CRRyTvLsUDAALknAA6Zq9RVAMmiWeCSKQsFkUqxRyrYIxwRgg+45rgD8Cvh2c50KY7iSf+Jnd8k9f+WtehUUrAcf4k8EQzaFoyeHIY7e78OTxz6ZGWIUhBtMRY5OGXIye+Casa54R8PfEPTbRvE2mXUqQksltLcTW5jfocqjqCR0zz7HBrqKKN9/X5htt6HL6H4L8I+ANK1FtKsotOspl8y8ee4eRSqg8sZGOAAT7VV8IavoHiHxNqms6Rqtje3VzBFH5NpOsjRQRltpk2k4Zi7HB5xgdjXZUUdbsOlkcn4d8GWei+M9a16xslsP7SwJI1lZzO+8s0zAkhc54A7ZJ5OBU1n4O+BvEOr3GqazpE11eXLbpZW1G5GT9BIAB6ADArt6KLaJdg6t9zjvFdpp2neBpfDelajpukObBobaC6O/fCq7SgUsGIPCk5JGfWtMahqEPg6zkt9MK6pPaII7NQdkMpQcM38KqepPYYGTgVuNGjsrMisy/dJHI+lOoeqd+v/BDa1un/A/yOS0fRH8CeA7fR9Gie/1Da219pAmuHJZpHPRV3Ekk9hgZOAdDwZ4Yh8IeFLTR4JPOeIF55iMGaVjud/xYn8MVu0U76tiKmp6XZ6xZG01GHzoDIkmzcV+ZHDqcgg8MoP4VboopDMm08L6NY63qWr2tikd/qiqt5NuY+cFGACCcDj0AzVAfDzwsPBzeFRpEf9iM+82nmvgtu353bt33uetdLRQHmNiiSGFIolCoihVUdgOgqtFpdnBq1zqUUO27uo44ppNxO5U3bRjOBje3Qd6t0UB0sMmiWeFonLhXGCUco34MCCPwrF8N+DND8Jfav7AtprcXcpmnD3k0weQ9XIkdvmOBz1rdooAKw7jwjpk2q3OowNdWN1eALdPZ3Lwi4wMAsFOMgcbhhsd63KKAOU8T+BrTVfBsOj6QkVhLp8sd1prAHbDNG25Se5BOQT1O4nrVq80iw8c+GjZeJdPuo43Gy6sjcSwjcMEqTGy71z0OSDXQ0Ub3uHoVNL0u10bTINP09ZEtrdAkSSTPKVUDAG5yTgD3qa6to7y0ltp9/lzIUfy5GRsEYOGUgg+4INS0UPXcFpseef8ACiPh1t2/2DLtPUf2ndY/9G1qeJvCAlt9CvfD0CR33huVZLGHdtEkW3Y8OT03JwCe4Ge9dfRRqBy2v+CvDXxCtbO48SabdXCwgmKGS4ntzGT1yiOozxjJz7HFMsdB8LfCzwtql3o1mun2aI11PvneQuyrx80jE9sAZrrKKT2ajpca3Tep5MbddS+EmneG9KuIr3W9SeG4mNu4f7NI8wmlmcj7oUlsE9TgDmvRJ7jxAk7rbaZpssIOEeTUZEZh6lRAQD7ZNatFU7X0JV+px+nXMbfF/VomkiE/9i2e6NXBIIlnJHrxkdu4qSx8GWdr8SrzxVa2S2c09u0E8glZmvGOzDFclVChABjkkknGBnrKKS0s/X8RvW/nb8Lf5HHeIfhP4N8VaxJqmv6VNeXkihTIb+4UADoAqyAAewA71W8XRaZ4H+FcujaH5WnRTKNPskaU/K0z7M7mJJxvLEk9q7qilbTl6Du736nBXtvb6prnhHTvDDpNbaHcefcXUDBo4IkhaMRbhxuYsPl64BJ7Vo+NNGk8Ypb+HTG66a08c+pTMpCtGhDiJT/EWYDOOAAc8kCusoqr3d33v8/6RNrbdrHJeMtEfxfFbeGxE6aZ58c2oylSqtEhDLCvqWYLnHAAOeSBXWABVAUYAGAB2paKXSwyp/Zdn/bP9q+T/pv2f7N5u4/6vdu24zjrznGatMNylTnBGODj9aWijpYPMwNI8E6FoWuXusaZb3Md/fkG6le+nl84jONyu5Bxk4447Vv0UUeQeZjX3hXTr3WDqqG4s9QeIQyXFpO0TSoOiuBw2M8EjI7EVR13wJpWr+BbzwzBH9lgnBdJQS7pNu3iUknLNv5JJyeea6eilbSw763Odhsf+Ep8Ltpfiqznim8vyb2GKeSJJTjBKuhUsjdevfBAIIrR0HQdO8NaRDpejRSQ2cA2xRPPJLsHoC7Ege2a0aKq5NtLCOoeNkbIDDB2kg/mORXAP8DPh7JI7yaJOzyMWdjql2SxJySf3vJNegUUvMZx3iHwFaT+EdN03w5FHZTaFPFdaUGYlUkjOQrE5OGGQTyec81d1bw7o3xB0GC38T6bdeUj73s5J5YCkg7Hy2G/HY5I7iukoo3vf1+YbbHLeGvAHhLwE13e+H9PXTzNGBPNJcyyfIuT1kY4H0xXI6dq1lqnw21+e1eLUdV8TS3UkFjC4eRw+YoQQOihFQknAAyTXq9FJq90+1vkNO2q73OL8Q+CIvEHw6sPDusWiapcQQxIs0szIscyx7fOJBBbHJxznOD6jc1Pwvput+GF0HWVmurHy0jkUXEkTShQPvMjAnOORnBrYoqm73v11JSslboch4b+Fng3whq/9q6BpH2W8EbRiVruaXCnrgO5A6dcUnw6urd/DepSRSrIiaxqBYxndgfaZD0HtzXYUUrselvnf8GjktG0R5fGGpeMtVieKWW2WzsoGUl4bZSWJIHIZ2JO3qAFHXIp2h6DLc+NNQ8X6lE0U89ullYwOMNDbKdxLDszsc47AAHnIrq6KFp8v6/r1YPUKqaXpdno2nRWGmw+TbRbtibi2MkseSSepNW6KAMjXfEC6FJY+bp99dxXUxieS0gaXyMKWDMFycEjAwDyazPBOg3FhJq+t6nEYtR1y7NzJGxBaGJRtijOO4Qc+5NdVRQtNf6/rQHqFc7J470GGV43lvdyMVONNuSMj3EfNdFRQBk6T4m0vW7l4NPkuGkRN5EtnNEMZA6uoB69OtVJvBOjy395dRC7tWv333kdpdyQpctjGWCkc44JGM9810NFAGJrHhDRdc8L/wDCPXlmE0sbNsFuxhCbGDLgrjGCBVXWfh/4d16DTY760lU6W5e1kt7mSKRC33vnVgx3dyTk9a6WigDmIvh34ag1O8v4LFopry2W2kCTOECBCg2rnAbaxG7GeTzycz2PgrR7C8sriNLmUaeCLKK4upJY7XK7corE4OOMnJA4GK6CigDivDmo6fD4i8czXN5bRwQ6jE8zySqFjUWsIJYk4AyD19Kl8GG5PiLxK8s1nfwXFxFPFqFom0SZj2+UfmYEoEXkHo3PNdeyhlKsAQRggjrQqqihUUKoGAAMAULT7kvy/wAgFooooAKKKKACiiigAoorJ8QS62lrbJ4bW1+0y3KpJJdxs8cUWCWfarKSeAAM9TQBrUV5D4U+J3ifxV8Wbzw3pi6TfaLphP23U47SWMnHGEBlYZLcA88AmvU9UvZdO097m30661KRSALa0MfmNk448xlXjryaPsqXcOrXYt0Vyv8AwmOp/wDQheJf++rL/wCSa39LvZdQ09Lm40+606Ric2135fmLg452My89eCaALdFeP+K/ip4j8E/FK00LxBb6cuhX6F7W+gtJWkbggIV8zBbdgHHqDxmvTfDx1p9Ghk8SmzF/IoaSOziZEiz/AA/MzZI9aFrHmB6Oxp0VjS+MfDNvM8M/iPSYpY2Kuj30QZSOoILcGp9P8R6Hq1wbfStZ0+9mC7jHbXSSMB64Uk45o3A0qK82uviFqWsfF6fwL4YNrbfYLRri9vbmFpvnwuEVQy/31ySfX61d+FPxGPxC0W+N5bR2up6ZcG3u44iTGx5w655AODwc4xQtVdevyvYHo7f1tc7yiuR8b+MtJ0rwrrqW3iDT7bVbeymMUX2uMSpKEJUbSc5zjjFaWh+KtE1WG0t7XXNPu7ySFSYobuN5GO3J+UHPrQtQelv67f5hr/jLQ/DN1ZW2r3oiuL+dLe3hVSzO7nA4HQe5wODW5Xm3xoH/ABLfCnt4nsf/AEJq9JoWsb+dvwT/AFB6O3l+r/yCiiigAorzr4weMPFfgPw7Hr3hu1029sonCXkd1DIzxAnAcFXAxnAIx3Fa3gbxLqnjC3/tqOSz/sKaNPs2LV45pX2jzDkyEBQ+VHHOD2wSLW9ugPS3mdfRWbrWq3WlQxPZ6Jf6uzsQyWTQgp7nzZEGPpmsf/hMNX/6EHxF/wB/LH/5JoA39W1O30XRrzU70sLazgeeUoMnaoJOB34FUfDviWHxJardWthf21u8aSxS3cIjWVWGQV5OeP51Q8eStP8ACfxDLJBJbvJpE7NDKV3RkxH5TtJGR04JHvVnwRu/4V14f2YLf2Xb4z0z5S0LeV+lvxv/AJA+lut/wt/mb9FecW/jnxW3iLWvC02j6c/iC3SOfT/LlkFs8Lg5kkcjcApGDgckgD1rvNKa/fSbVtZjgjvzEpuUt2JjWTHzBSecZ9aOlw62LdFFcZ8QfFes+DLa11i3s7K40SOeJNReR38+JHfaXUAYwMjqfwo6oDs6K57QdQ8R6jq11PqWn2dnoskatYYlY3Lc9ZVI2rkYOByM4POcdDQAUUUUAFFFFABRXE+NfGOr+DdY0q5uLOzl8O3V2lpcTKztcRM4O1goGMbhjufzrZ8O3XiW7nvpPEen2NjbMytYx28zSShCDkS5GAw4+7x169SLVXB6G7XNeIfHFj4YnVdVsNSW3aWOEXcdvuh3yEBRuz6nHSulrz341/8AIhW//YXsf/R60L4ku7S+92Do/R/kehUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFch8Tm8Uv4Hu7TwLp7Xmq3g8gOs8cXkIR8z5dl5xwMdzntXX0UpLmVmNOzueRfC7wzrngLQNK0S18LXUNxd3Am1rU7i4tiijBO1QsrM3QKOB1J716jqmnnVNPe1F5dWRcg+daSBJFwc8Eg1coqpPm3JStscp/wgr/APQ2+Jv/AAOX/wCIroNL086Zp6WpvLq9KE/vruQPI2TnkgCrdFIZ4/8AF7wfr3xH028tbbQ7qBtLVZNLkM1t/pUxbD5PmZRQo4zjJOT0AruPh5P4lfwZZQeNdNksdXtkEMzNNHKJ8cBwUZuSMZzjnNdRRRHRNdwerT7FJ9F0uR2eTTbNnY5ZmgUkn16VJb6ZYWcnmWllbwORjdFEqnHpkCrNFAHkh8G6r4S+O+oeNLHTp9U0rV7Jo5UtSplgm+TqrEZUlOo6Z5xVz4I/D/UvBOjard68qw6jrN1572yuH8lBnapI4LfM2ccdK9Pooj7qt5W+V7g9Xf5/hY5zxl4cg1fwjrcFlpltPqF1ZTRwkxoGaRkIX5j0Occk1o6Vo1lYWlqUsLaC4jiVWZIlDA7cHkVpUULQHrb+u3+R5/8AFbSda1u30CDQtHn1A2WsW1/MyTQxhY4ydw+d1Jbkdse9d7E7SQo7xtEzAExuRlfY4JH5E0+ihaK3nf8AL/IHq7/1/Wp5z8Xtc8deHdNs9U8EQWktnal5dS8/aW2DG0AMRkHkfL82cYr0K3keW1ikkTy3dAzIf4SRyKhvNNtdQMP22LzlhcSIjMdu4cglehIIyM5weRzVqhaKwPV3OX8bW+oaxp66Ba6RPc2WpHyb67R4QsEB+9hXcEsegwDjOe2Dw3wS8O+M/A02p+Hde0ib+wTO0un3jXMDFOeQyLIWAYYPAODn1r2GiiPutvv/AF+APVWMzWtFOtQxRjU9R0/y2LbrCcRl/YnByKx/+EFb/obPE3/geP8A4iurooA5bx5D9m+E/iCDzZJvL0edPMlbLviIjJPcmotDv73S/hFot5pmly6tdR6ZabLOKRUaTKoDhm44BJ564xXQ6zpUGuaHfaVeNItvewPbymMgMFZSpwSDzg+lUvDfh1vDdilmmsahqFtDEkMEV4IcQqowADHGpPGOpPShbyv1t+F/8wfTyv8Ajb/I4y80XxTa/EjR/Flrp32qa9tZ7K+thOoSzjOGhBJPIUgliuSSTjPFdbpOq39x411vS7x4Xt7OC1kg8uMqR5nmbskk55QeldBWNY6HNZ+LdV1l7yOSPUIYIhbiAqY/L3YO/cc53nsKOlg8/wCv6sZ2leItdn8f6loWsaLFaWMcJnsLyK4EhmjDBSXUcqSW4zj7p64zWX4q0/XfHmj694duNJk0qxVJY4rl7hG+3NtzEVC8qu7DHPoBzk47eCxtra4nnhiCzXDAyyHlnx0BJ5wOw6DtU9Jq8bPt/TGnaV0cf4d/4S6/8D2EV6kWh6isMcUrTqLiRdqYd9obblmAwCeByeeBa8Patrd/4Fkvri2gu9VjE6QrGfKjuyjssbjJO0PtB6nGfStHxFp+p6ppf2XR9Rt9Pkdx5sk9q04dO6YWRCM+uemfrUml2F7BpBtNXu4LqQgrus7drVFTGAqrvYrgd935VUm5XfclJRSXYw/D/iPxDrPgO61CbQ4YNftjND9gFyDFJNGSABJ0wTxnPBzzU9zqfi5NB0Se18P2suo3E0S6nbNeALaoR+8ZW/ix6DP410NtbQWdslvaQpDDGMJHGuFUewqWjrf0/D/MOn3/ANfIxjea9/wma2Y0qE6D9k3nUPtA8wT7vueX1xjnP69qzvB/iLXdX1HWbDxLosWl3FhMvleTcCZZYn3bSSOjYXJHow4FdVUFpY21hG6WkQjDuXc9S7HqzE8k+5pL+vvGzznxppfib4geDdWtG0eXR5LJmksYXuUdryeN8xsCvCpgdD3Ydlyd7VfEOs6f8NrvWL2zXT9U8lRbWrESMszbVRXwSCS56Dseua6+sLxPoF14gGmpb38NrFZ3sd3JHLbGUTFMlV4dcANhu/3RS6W72/4L/rsPrftf/hv67lNtZ1LR/Fui6Nqc0V7Hq8M22RYtjxSxKGPQ4KEE9gQQOTnjG+Nf/IhW/wD2F7H/ANHrXUWvh8nX11vVrlby+hhaC38uLy4rdGILbVLMdzYGWJPAAGOc0vE3giLxXIq6nrWqJZLNFOLGEwLFvjYMpyYi/UZPzVXWL80/xuLo15P8rHT0UUUgCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiuF+MGu3/h74ez3miXstpqkk8VvZGIKS8juBghgQeM0mxpXO6orhtc0/xVoPhGXVNL8TXN5qFhbefLbX0ELQXJRcuvyorrnBwQ3HvWx4a8Z6b4h8C2PiiSaKxs7mEPI1xIFWFs7WUscDhgRnvVd/Int5nQ0UgIZQykEEZBHes7WNW03T4RBqOs2+lSXAKxSSzxxvn1UPkE/gaT0GaVFeY/DO+vvEPwgvX1zxBdxzyXN3C2qGYLJCocqGDHhcDp2Fd3Y3Vlpmiack+rpcRvHHDDeXM6lrpiAFO7ozN1465p/wDA/EP+D+Bp0VRh1vSrma5it9Ts5ZLQZuUS4RjD/vgH5fxqTT9UsNWtvtGlX1tfQbivm20yyLkdRlSRmkBaorPt9f0e81J9PtNWsZ72PO+2iuUaRcdcqDkUtxruk2f2n7XqllB9l2m4824RfJ3fd3ZPy5wcZ60AX6KrHUbJdO+3m8txZ7PM+0mVfL2/3t2cY96ittW03Vreb+zdTtrhUX55LadH8vOecgnHQ9fSh6AXqKxvC9vDYeGLeGPXJtciiD51G4nWVpPmOcuODjp7Yq1p+u6Tq0kkelapZXrxf6xba4SQp9QpOKfWwF+iqFxruk2f2n7XqllB9l2m4824RfJ3fd3ZPy5wcZ61MdRsl077eby3Fns8z7SZV8vb/e3Zxj3pAWaKqWGr6bqqudL1C1vQmN5t5lk25zjO0nHQ/lVugAooooAKKKKACiiigAooooAKKjuLmCztpLi7mjggiUtJLKwVUA6kk8AVn6T4m0TXZHj0bVrO9kRQ7JBMrMFPRsDnB7HoaANSiiigAoorzr4RfbtZ8MRa/qusald3T3NzEYpbgmLCysq/JjsAKFqweiuei0VR1DW9K0mSOPVNTs7J5f8AVrc3CRl/oGIzV4HIyORQAUUVHcXEFpbvPdzRwQxjLySMFVR6kngUASUVV0/VLDVrc3GlX1tewhipktplkXI7ZUkZq1QAUUUUAFFFFABRVe9v7PTbVrnUbuC0gU4Ms8gRR+J4p1ne2uoWqXVhcw3VvIMpNBIHRvoRwaAJqKK85+K5vtF0iHW9K1jUrW4bULSAwx3BEOxpVVhsx3FHVLu0vvDo32PRqKKgvL+00+FZb+6htY2cRq80gQFjwFBPc+lAE9FBOBk9K47SfiHoHijX9W0HSdZt457QrDFNFPHvmkKsX8pWyGC4HOCOvpSA7GivNPhL4rEnw+t5/FevRveT6hcwxy39yqvNtlICrkjPbgV6JeX1pp1q91qF1Da26felnkCIv1J4FN6K4dbE9FVrDUbLVbRbrTLy3vLdjhZreVZEP4gkUt7f2em2xuNRu4LSAEAyzyBFBPQZPFAFiivPvitrsn/CpNY1fwtrzQy2iKVuNPmRsncoKlsHHDZ4IPTmuq0jWrCeO0sG1K2k1I2scj2xnUzYKg7iud340LW/kD0t/Xb/ADNeisRbWFfG8l4dfnMpsdh0czr5SgNnzvL655A3dK4KfxjpnjHxx4h0JvF8elWVjbQJp1xY6ksJlncMzyBlYeZt+UbeR1yMmlcZ6xRXD/DnxzpviKzl0tdfttWvtOlNqbnckcl9sRS0wiByFySMjIOM55rqItf0efVG02HVrGS/TO61S5QyrjrlM5/SqaJNCis/VtW03TLcLqerW2lmYFY5Zp44zn1XfwSPoa474OapqOq+GdXk1bUp9Slh1q6gS4nYElEICgYwAPYADmktW1/XT/Mb0V/66/5HoNFQXl9aafbme/uobWEEAyTyBFBPQZPFQw39nq1mx0zUopFkUhJ7WVJMe46gke4NAF2ivP8A4NanqOq+DLybWdQnv7iPVbqHz7hssVV8AegHsMCuxs9e0fULx7Sw1WxurmMEvDBco7r9VByKO3mr/hcO/loX6K83g1q70748atZ6prk39jxaEt2IrqVUht2MwUngAdB1OTz1r0C01Czv7Jbyxu4Lm1YErPDKHQgdSGBxQtYp/wBbtfoD0dv62T/UsUVn6fr+j6tPJDpWrWN7LGMvHbXKSMg9wpOK4zwlf6m/xm8Z6Xe6pdXtnaQWj20U7Lth3qxYAKAOvfGeBkmhauwPRNnodFBIAJJwB1NULHXtI1S4kt9N1WyvJohmSO3uEkZPqAcigC/RVG61zSbL7R9t1Syt/swVp/NuETyg33S2T8uccZ61jeLfH2h+EvCT69dXtvNC6/6IscoP2p+yoR1HqR0HNA7a2OnormdYudM8SeGYZ7PxWNNtTcRt9v0+8jAZlbmLfyOehFb02oWdvcx21xdwRTyKWSJ5QrOAMkgE5IA60eolrsWKKzU8RaJLpsuoRaxp72ULbZLlbpDGh9C2cA0XHiTQ7SygvLvWdPgtbn/UTy3SKkv+6xOD+FAGlRVKXWtLg1OHTZ9Ss476cZitXnUSyDr8qE5P4CifWdMtXnS51G0ha2QSTrJOqmJT0Zsn5QfU0AXaKzZvEWiW+nw30+safFZ3BxDcPdII5D6KxOD+FaKsGUMpBBGQR3oAWiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAK8y8df8VF8X/Bnhlfmhsmk1q7X0EY2xZ/4FmvTa5iX4eeHZfEMuumG/TVJo/Ke6i1W6Rin935ZBheOg4oXxJ9v6X4h9lrv/T/AAK/xP8AECaH4FvoolM+pajE1np9pGN0k80g2gKvU4zk+wqPwT4EtdI+FGmeFNftYL5EgBuoJVDo0hbeRjvhjx9K29M8J6LpN819aWZe9Zdpu7qZ7ibb6CSRmYD2zipbrw9p954ksddnSU31jFJFAwmYKFf72VBwfxFC0v5/pe39f5aj1t5fqaSIscapGoVFACqowAPSvMPhldQ694o8etraRzaomqvaPFMASlooxGgB/gPzH0JJNeoVzWqfD3wtrOvDWtQ0lH1HaEeeOWSMyr6OEYBx2wwNLrr2t+X9fMOlkeVeGLCzm/Zb8RwSW8UsVudRaJXUMIyrNtIz0I7GrXi3T7S5+Hfwqmmt42mOo6ZD5oGHCNGcqGHIHHrXpMHw58KWvh270K00lbbTr0k3MUE0kZlz1DOrBiOemcUlz8OfDN5pmmafc2l09rpLrJZR/wBpXI8ll+6QRJkkds5x2prdN/3f/Jd/vB63t/e/HY4rW/DGhw/H/wAN2kOlWkVrdaRc/aLeKIJHNsYFQ6jhgDzgg9B6Vgaq03hu++MUXhmL7GsNrZSxxWq7BGXi/eOoHQ4JORXrtx4J0O68SWuvTw3T6nZx+XBP9vuBsXuNu/bg98jnvRYeCdB03XL/AFi1tZ/tuoqFu5JbyaVZwBgBkdypAHA44pW923k197uh396/p+FrnFr4a8PeIdB8Ma+PE8y2mnzQy6c9rFBGVc4Ah+VMnJOClVfCfhfQrz4zfEGC70mzmgiayMcEkKtGpeElmCH5cnnnGeT6muw0X4WeCvDuuHWNG8P21rfZJWQM7CMnqUViVT/gIFXbLwPoWnaxqGq2cN3Fe6kALuYajcEy4GBkF8DA6EYx2qnZtvvf8bf5EpWjb0/A8q8F6Reaz8EdO0/SNUh06/tNdlfTftKl4pHild1iYf3cAn8K6fwtq7a9qviXRfGXhiDTfEC2UTXyoRLbXsQ3hJFz7kjByeBzxgdHbfDLwpaaKuk29hcJZLdC8SP+0LglJhn51YyblPJPBHPNakHhbSbeG8SKGffeoEuJ2u5WnkUDAXzSxcAZOAG4yfWpkrxa7r8bJX/D+mUtJX8/1b/rzPCoL+XT/wBmzwWrZXS7jWI4dTI6fZvtEhYN/skgA/l3rvPipaNaeIfAuq6Cix6qNZis0MQwZLZ1JkQ46oAufQV2Om+B/Duk+GJPDtnpwbR5AQ1ncTSTpgnJA8xmxyc8d+afpPg7Q9FuIJrG1lMltGY7drm6luPIQ9Vj8xm2DthccVbd5X87/lp+H4si2lvJr89fx/A8+8J+F9CvPjN8QYLvSbOaCJrIxwSQq0al4SWYIflyeecZ5Pqax/BekXms/BHTtP0jVIdOv7TXZX037SpeKR4pXdYmH93AJ/CvVbLwPoWnaxqGq2cN3Fe6kALuYajcEy4GBkF8DA6EYx2qpbfDLwpaaKuk29hcJZLdC8SP+0LglJhn51YyblPJPBHPNRHRJeS+9Na/gW9W/X9GjI8AeIbrUPF2t6d4l8Ppo3ieGCB7treTfBdxAsEkQ/iRg5PTnjA9CrO0zQdO0iaeeyhf7RcBRNPPM80rhfugu5LEDJwM4GT61o1RIUUUUhhRRRQAUUUUAFFFFAHin7UV1fQfDmwhtWdbS41BUuivQgKxUH2yM/UCs/x5JNp37Qnw3GjZR3to4JBH/FAXIYH227q9s1vQ9N8R6PPpet2cd5ZXAxJDJ0PcHI5BHYjkVlaR4D0LR9Yj1aKGe61CG3FtDc3lw8zwxDoibido5PI5Pc0Q92V/O/4WsEtVbyt+KZd8ULA3h+YXUOqTxZXKaTJIlweR90xsrfXB6VwPkaN/0CPiR/4H3/8A8fr1WikMx/C6wJ4fhFrDqkEeWwmrSSPcDk/eMjM2PTJ6Vw3wt1P+xfgZc6ps8z7E+oXGz+9slkbH6V6jXmvwiZrLwcnhzWNL1K3u/tF20iXWmzJEUaV2H7xk2HKkcZ5zQ7u6W9gVklfv+jMrTDbaP8BtU8V+J2S81PXrB7m7mlG4ytKpEUK56KNyqFHA5rsPh1M2neC9A0DV7tTrcOlxyzWzvmVE4HzDqMZC8+lWbL4feH7I2iLBPPbWL+ZZ2lzcySw2zdiiMSOO2c7e2Kr3FxCPjNYQmWPzf7EuPk3Dd/roj0+gP5Vd1zWXX8Ek2ibPlu+n6tI6lbq3e6e2WeNrhFDPEHG9QehI6gV53+88X/HC+0/UcvpPha1hljtW+5LdSgsJGH8W1QQM9DzW6ngyzHxObxXBZLa3P2doZ7gSsWuyVUAFc7VVQvsSfpk39R8H6XqWrvqjfarW9lhEE81ndPAZ4x0V9pGcZOD1GeDUrdMb2a/rpc4nwvq1t/wtbx34g+0R22g2621nJOTiOW5QYcj1YZC+pyBXo2k6xp2u6et9pF5FeWrEqJImyMg4IPoQex5rOuW8N+BfC6tMlnpml2ZBjDFUUOTxgt/ESepOcnJNUvBT6Re6Rqdxpd7Z6mb68kuLw2MyyxLI6j92GBwSFCg88nnjNHSy6L+v19NED3v3f9fp6nTW93b3dv59rcRTQ8jzI3DLx15FM/tGy+xrd/bLf7M2Ns/mrsOTgYbOOvFc14K8D2HhfQ9R0+3sktLHUJ2l+wLK0iwoUVCu5iSSQuTzjJwM4zVqT4f+F5fB9v4Wk0mNtFtnDxWhkfCsGL53bt33iT170f8AA/4If1/kb7XMCXEdu80azSAlIy4DOB1IHU4pIrq3nkljgnjleFtsqo4JjPoQOh+tULrw3pN74ksdfubNZNUsI3jtrncwMauMMMA4OQT1B61j+HfBlnovjPWtesbJbD+0sCSNZWczvvLNMwJIXOeAO2SeTgC31B7aGD4QZvFfxG8TeINYO+30K8bS9MgkPyW+xQZZcdNzZHzdccVH8KL1WtPGHiJm8jQ7zWZ7izOCE8pQA8oHoSCc+xrq7zwHod7e31w6XUS6iQb6C3u5IorogYy6qQCSODjGR1zWb8RJ7LRvAP8AYtq9vp66k8Wl26ArGsaSMEbA4ACoWP4UldLTe1vm2vzf5jdm9dr3+Wv5I6XT9e0vVJFSwvoZpHjEyIDhmjPRwDyV5HI4rjfjX/yIVv8A9hex/wDR61au44tb8beGF8OsktnohmlubqAgxopiMawhhwSSQSo6BATjis/4uTS6rokOiaZp2qXd6upWcx8nTp3iCLKrMfNCbOB15qtOaNu6/NE68rv2f5M9IrJ8RaRoes6fFb+Jre2ntUuEkjW5bCiUH5ccjnJxjvnFa1ZfiDw1pHimxis9fslvLeGdbhEZmXbIvQ/KR69OlLqhmpXmvw7ZV+JPxI3MBnU7ccn/AKY16VWA3gfw63iO514ads1S6QJLcxzSIzYXaCAGADY43ABvel1v5W/J/oHS3n/n/meK6RoOlXX7MviS/ubC3mvEa9ZLiRAzoVlYrtY8rg84GOp9a6S41iRvHHgG01bVGsLa60HzLW4dUZXvCEz98EbtvAPX5sDrXd2/w18LWvhm58PQWVymlXTFprUajc7XJ68+ZkA55AOD3qbUfh94Y1fwzbaBqulreabagCCO4mkdogBgbZC28cccHpTWn4fgmn+f4A9fx/Fp/oUfCXhTTPDPi3XZbHV7i6vdSEdxeWrKixxNyA4VFAUtg/XGai+IOlazfajol54T1Czi1vTXmuLeyvgTDdptCOCRyCAwwf8Aa7da6Dw34V0Twjpn9n+HNPisbYtvZUJYu3qzMSWPuSaXWfDOla/c2dzqUMzT2LM1tNBcywPEWADYaNlPIAofRLoC3bfU8g8Ra/HrXwQ8exz6G+havbXCjVLPeHTziY/nRhwQwUH/ABzk6XivRtO0fVvhjeaZZQ2t1JqsUck8aASSK8R3Bm6tnvkmvQb7wF4c1LQrnR7yxkksruXzrlBdzK1w/HMjhwz9B94noPSm33gDw9qS6Yt9b3kv9ksHsidSuQYWHRsiTJI6ZOTjimtHfzj+G4PVW/xfjscrY2lva/tOX7W0EcJm8OLJL5aBd7mfBY46ngc1N4N/5Ll8RP8Ad0//ANEmurj8GaJH4qPiRILn+1mi8k3BvpzmPOdmwvt255xjGaZpvgbQdI8QXWt2EF1HqN4VNzM2oXD+dt6blZypx244pR0tfs/xdwlrfzt+Fv8AI8y0C+vdP+GvxSudKdlvota1JoSh+YMFByPcDJ/CtC08N+HvFXw/8O6u/iieKx05obi1ktY4EeGYADy8qm7cWOCvUn1Neg6f4L8PaXr17rNhpkcV/fsWuJdzEOT1O0naCe5AGe9Zul/CrwRo3iH+29M8O2tvfhy6yBnKox7qhO1T7gCiOlr9o/fEJa39X+Jz3w/vY9Z+J3j4awEk1K1u0tYYpQCUswvyhQf4WOScdSRmnfAqCG18J63b2qKkMPiC9SNF6KoYAAfhXVaz8P8Awxr+tx6vqmlLJqEa7BcRyyRMy/3W2MN49mzVrw/4R0Hwqlwvh7S4LEXEhklMYOXYnPU5OPboO1EdN+1vy1/D8Qlrt3v+D/z/AAOU8dR3dv8AE3wVqgR72xt3uUksoRvkVmj4nWPqwUdSORn3pPBHhHyPiL4r8Vz6VHaQalNF/Z/nwKs4wmJZOm5A7HocE4yRWd8TrOx1Dxlpv/CV+HNXutEtrRzBqOkJK7xzuwDK/lHeqhVGOMEn2qx4H8MWkGti68NN4mtdHe3kjuk1aeaNZmONnlpJiRSOTv49BnPBDa/r+f8AwPx9An29P6/r/M4Iahfab+zf4jm04yKG164juXjJ3LA04D9PUcfQ12nxetLeHwL4f1fwukcWoWN/aDSJLcAEq5C+WuOqlT06HFdxongjw/4d0u703S7Flsrxma4t57iWdJC33iRIzDnv60ml+BfD2jSWz2Fi4FoS1rHNdSzR2xPGY0disfBI+UDrRHS3ly/gl/l+LCWrb7834/1+COJudF03W/2kr2DWLGC+gj8OxOIbhA6bvOIyVPB69xxXMfZNE8LN8VNOuBdQeEENsvkWL7Sk8ijfHETwMkqCOgBAPFexar4Q0TWdUh1O9tHXUIU8tLy1uJLeYJ/dLxsrFfYnFOl8JaDN4bn0CXTIX0y4B863Of3hJyWZs7ixPO7Oc85qUrRt6/i7lX96/p+CPNrqO9tfjV4Aa+jsrMNYXcaW1qSxiiWIYV5Djf8AgoA569a2fCn/ACX7x3/16WH/AKAa3IPhb4Mtn0949ChL6cxa2eSWR2UkAfMWYlxgDAbIHatCw8G6JpniW71+yguE1O9AFxM17M4lAGACjOVwB0447Vd9U/X8TO2jXp+Fv8jlfjnqF1p3w4DQl1tJb+3i1BkzkWxf5+fQ8A+xqn8XbRba08Iav4cRI9Ut9YtrexeAAF4pAQ0fHVCB06YFemXtlbajYzWd/bx3NtOhSWGVQyup6gg9ayNK8E6Bos1vJYWcm60UrbCe6lnW2BGCI1kZhHxx8oHHFKOj17p/lp+H4sqWq+TX/B/rsjz3w/4W0DUvjp47ttQ0iyuYI4bKRLeWFWjDNGdzbD8u7nrjPJ9TXE6jYHR/hH8SdKsy39jWOvxx2CliVjHnRl1U+gOB9c13Gh6bY6z8dfF9zeQ6hHHPBapZ3UL3FqJNseJFEiFcjOOM449q9Fm8I6DP4Xk8OS6ZCdIlUq9qMgNk7iSQc7s87s5zznNKN1GL8l+af6Db9937r/0m36nDfHC2tZ/AWm3LxRPPb6rZiOUqC0eZBkA9RkVH4u0bTbz9oLwgLmxgkFzYXn2gMg/fbVG0P/eA9Dmuvvfhz4X1Dw/a6JdafIdOtZBLFAl5NH846MxVwWI9WJNT3HgjQrvxBZa3cQ3b6jYR+XbTnULjMakYIxvwc98jnvmqVk/m398bE68tvJL7nc4Lwx4Z0R/jj42spNKtHs4oLKZLVoQYVkaMhnEf3dx55xnk+pri7iNYf2cfFVrGNtvZeJpI4U/hiQXMeAPQDJr3K18EaHZa/e61aw3ceo36BLmf+0LgmRQMAYL4GB0wOO2Kgsfh34Y0/RdR0i30520/U3Z7u3nuppllZuS3zucMSAcjB4FSrq3kv1T/AEsVpf5/pb/gnL+PZoj8VPhogkQyfarltu4Z2mHr9KqaJ4f0e5/aC8YRXGmWssQsbOURPCpTewOX29C3vjPJ9a6y2+Fvgu0WyWLQYW+wyGS3MsjyFWIAySzEtgAABs47Yq9beCdDtPEV3rtvBdJqV6nl3E4v5/nUDAG3ftAHbA47YqlZP7/xROtreSX3O55X4L8MaJc/Dzx+lzpltOtnqOpQWwljD/Z41XIWPP3Bnn5cc49K9E+E00k/wj8MyTOXc6fGCzHJ4GB+gqzY/D3w5pum6jYWVtdxW2puz3aDUrk+azfebJkyCe5GM1qaDoGneGdHh0vRYpILKAYiieeSXYPQF2JA9s4pR0jbyj+Cd/zG9Xfzf4tGlRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAgOVBII46HtS5pKKAFzRmkooAXNGaSigBc0ZpKKAFzRmkooAXNGaSigBc0ZpKKAFzRmkooAXNGaSigBc0ZpKKAFzRmkooAXNGaSigBc0ZpKKAFzRmkooAXNGaSigBc0ZpKKAFzRmkooAXNGaSigBc0ZpKKAFzRmkooAXNGaSigBc0ZpKKAFzRmkooAXNGaSigBc0ZpKKAFzRmkooAXNGaSigBc0ZpKKAFzRmkooAXNGaSigBc0ZpKKAFzRSUo6UAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAJRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUo6UlKOlABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFACUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFKOlFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQB//9k=)

![A picture containing application

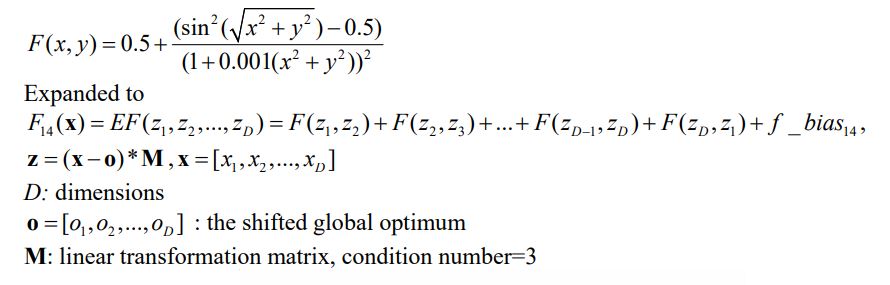
Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAkACQAAD/4RD4RXhpZgAATU0AKgAAAAgABAE7AAIAAAAPAAAISodpAAQAAAABAAAIWpydAAEAAAAeAAAQ0uocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEFiaGlqaXRoIFNoYWppAAAABZADAAIAAAAUAAAQqJAEAAIAAAAUAAAQvJKRAAIAAAADNDAAAJKSAAIAAAADNDAAAOocAAcAAAgMAAAInAAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADIwMjE6MDU6MDcgMTI6MjA6MTcAMjAyMTowNTowNyAxMjoyMDoxNwAAAEEAYgBoAGkAagBpAHQAaAAgAFMAaABhAGoAaQAAAP/hCyFodHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLjAvADw/eHBhY2tldCBiZWdpbj0n77u/JyBpZD0nVzVNME1wQ2VoaUh6cmVTek5UY3prYzlkJz8+DQo8eDp4bXBtZXRhIHhtbG5zOng9ImFkb2JlOm5zOm1ldGEvIj48cmRmOlJERiB4bWxuczpyZGY9Imh0dHA6Ly93d3cudzMub3JnLzE5OTkvMDIvMjItcmRmLXN5bnRheC1ucyMiPjxyZGY6RGVzY3JpcHRpb24gcmRmOmFib3V0PSJ1dWlkOmZhZjViZGQ1LWJhM2QtMTFkYS1hZDMxLWQzM2Q3NTE4MmYxYiIgeG1sbnM6ZGM9Imh0dHA6Ly9wdXJsLm9yZy9kYy9lbGVtZW50cy8xLjEvIi8+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczp4bXA9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8iPjx4bXA6Q3JlYXRlRGF0ZT4yMDIxLTA1LTA3VDEyOjIwOjE3LjQwMDwveG1wOkNyZWF0ZURhdGU+PC9yZGY6RGVzY3JpcHRpb24+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iPjxkYzpjcmVhdG9yPjxyZGY6U2VxIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpsaT5BYmhpaml0aCBTaGFqaTwvcmRmOmxpPjwvcmRmOlNlcT4NCgkJCTwvZGM6Y3JlYXRvcj48L3JkZjpEZXNjcmlwdGlvbj48L3JkZjpSREY+PC94OnhtcG1ldGE+DQogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgIDw/eHBhY2tldCBlbmQ9J3cnPz7/2wBDAAcFBQYFBAcGBQYIBwcIChELCgkJChUPEAwRGBUaGRgVGBcbHichGx0lHRcYIi4iJSgpKywrGiAvMy8qMicqKyr/2wBDAQcICAoJChQLCxQqHBgcKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKir/wAARCAC6AwMDASIAAhEBAxEB/8QAHwAAAQUBAQEBAQEAAAAAAAAAAAECAwQFBgcICQoL/8QAtRAAAgEDAwIEAwUFBAQAAAF9AQIDAAQRBRIhMUEGE1FhByJxFDKBkaEII0KxwRVS0fAkM2JyggkKFhcYGRolJicoKSo0NTY3ODk6Q0RFRkdISUpTVFVWV1hZWmNkZWZnaGlqc3R1dnd4eXqDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uHi4+Tl5ufo6erx8vP09fb3+Pn6/8QAHwEAAwEBAQEBAQEBAQAAAAAAAAECAwQFBgcICQoL/8QAtREAAgECBAQDBAcFBAQAAQJ3AAECAxEEBSExBhJBUQdhcRMiMoEIFEKRobHBCSMzUvAVYnLRChYkNOEl8RcYGRomJygpKjU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6goOEhYaHiImKkpOUlZaXmJmaoqOkpaanqKmqsrO0tba3uLm6wsPExcbHyMnK0tPU1dbX2Nna4uPk5ebn6Onq8vP09fb3+Pn6/9oADAMBAAIRAxEAPwD6RooooAKa7rGheRlRR1ZjgCnU2WNJo2jmRZEYYZWGQfwoAiW9tXYKlzCxPQCQHNT18n/Cyz8MNe/ElPFMNiLGFHEf2lVHl4eTGzPRumMc9K7X4EeI9a8P/B/WNa8Tw6hd6RYyebZjgyeUF/eFN7DKDjHPrihNOPN5J/eNpqXL52Pe6K8z0746+G9Wm0BNP0/V5Brd19ljkNsAsD7toEjBiM/xYBJC8nHFaV78V9Khv9cg03T77VYvDyb9UuLUR7IOuQNzAuw2sSB6HvxQ9NxbndUVwviH4ueHfD3gvT/FbR3uoaRqDhIp7JEYqxBOGVnUg/Kw9iOarRfGXRf+Ek0rS9Q0zVdNi1lVbTr68gVIrjOMDhiRkkDkdx2INOzvbrt8xX0ueh0Vyus+PbLTfEjeH7CyutW1aK1a8ntrUoPJiHdmdgMnIwvU5HQc1maj8YfDmn/D618ZpDfXmk3EgiJt408yF8kbXVnGDkEcZ/LmpurX/rt+ZVne39dzvaK88svjLo2qa9DpWl6TrF1JPp7X0Mgt1VJQFyUVmYAkcqSPl3DGa5b4c/E+/wDGmk+Kr/W9D1O5sJJpQFtHi8u2gWEfu8tIrbiMnIHJPUdh3V/JX/GwLW3m7fqez29zBdwiW1mjnjJIDxuGGR15FS15N8K/EPgPw98JtQ1nw8dQsdCtLqRp31MqZTJhegUkHOVAA6muo0j4kafqOvafpF9YXmlXOqWn2zT/ALXsxcR4zj5WO1gOdp7VTVnb+trkp6XOxorhdL+Kmm61CbvS9NvrnTf7RXThfR+WVEhcJuZd+9UywwSOfxFWb/4maRp/xPsvA81tetqF5F5iTLGDEuQSATnPRTyBgfnhLW3n/lf8hvS/l/wx2NFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUyeCK5geC5iSaKRSrxyKGVgeoIPUU+igDDg8FeGLZ0aDQNPQRkMii3XahHQquMA/QVuUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFZ2s6BpXiGzFrrlhDfW4OfKnXcpPuOhrRooAgs7O30+zjtbKJYYIhtSNeij0FT0UUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVHPPDbQPNcypDEgy0kjBVUe5NSUUAfM/7PLaRefEXxgt79jnaabfaibaxf8Aevkpnr1HSvafitNDbfCTxIZpEiU6dKi7iACSpAA9z6V19FTKN6ah5WKi7VHPzueV/s5SWz/BfTo4HjaVJp/OVSCysZGxkdjjH4V514RT/hCtC+LejeJZktdQkhdoVnbablWWUKyZ+8CWXp619M1FLawTyJJNBHI8ZyjOgJU+x7VVT32/NW/L/ImHupeTv+f+Z8p+J9C1Hw/+yZo1vq8UkE82sC4WGQYaNGWQqCO2Rzj3rovioE8XSfDLRfDsyXeo4VnWFtzQLiIFnA5XG05z/dNejfG7wVrfj7wdbaN4fjtzKt2tw8lxNsVQqsMdCSTu/Su08O2L2eiWS3lpFBex20cMxQhiSqgfeHUccVUZXbk/5k/uRLVkkuzX3s8G1KSz8I/tO6tP41nurLSdctgLe9jupbdPupgM8bKcAqVIJwOCfWrXxesPC+h/s/PZ+EIPsmnXOqJLAryu32g/xSIXYsV469OMjggn3+e2gulC3MMcyqcgSIGAPrzUtZ8vuKPb9Hc05vecu/8AlY5fwK1vcfC3Q/sDxyJ/ZUKKYiCM+WARx3zXifwK1nT9J+HfjHSNSuVtr8SXDvBICGRRDgs390ZGMnvgdTX0pUaQQxSPJHEiPIcuyqAW+p71U/ec3/MrfjcmHuqK7O58keH9Outc/ZT1m10nM9zZ6yLqe3iOX8oKuTtHOO//AAE+ler/AA8n+H/i+18NapCLrUPEdjAq+U9/cSvZMFw5KtJtVMjjjByAOeK9kqKG2gt9/wBngji3nc2xAu4+px1p31fnb8FYm2iXr+LufLq6Q3hDxtoviP4WawtzY65fpBcaG7gyxMTlo3TuowcMRleDnvXuGofETRbH4s2Hg2fTrp9UuoN0d4sKlEBBbbnO7HynJHH647JbaBJhKsEayBdgcIMhfTPp7U4xRmYSmNTIo2h9oyB6ZoWiS7f1Yp6tvv8A1cfRRRSAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAMbxHqeoaRawXljbw3MCyhbpJHKFUPAdW5AwcZyMYOcjGatafrNrqEjQDfb3cYzJaTrtlQeuO4/2lJU9jTtZvbHTtDvbzWGRLCGB3uDJyuwDnPrx2r508OfFvxn48uU0bw54OttThtXIhvJ5JEe3TOFZ5lYbW24BIIJ560lq+Ub0Vz6YorK8N2+tWuiRR+Jby3vL/q728ZVQOy5P3sf3sDPpWrVPQlEdwZhbubURtNj5BISFJ9yATXCfDj4nHxvqWs6VqGmrpmpaVLtMKzGRZo8ld6kqvG4EdO4rv68Avkbwa3hn4jWqkQQX93pusBR963kupdrn/dP67aS+JJ7PT/L8dBv4Xbdf0/wPUfiV48i+HnhCTWGtfttwXEcFqH2+YepJODgBQSTjtWz4Z1K81jw3Y6lqFvDbSXkCTiKGQyBFZQwBJAyefSvLPim6+JPB/jHWlYSWGk2X2CxYHKvKzo08g/8AHEB/2Xq14turvTfh18PrzTr68s5nvNMtpPs9y8ayRso3Kyg4YHHcUR10fVx/G/8AwGEu67P8Lf8ADHr1cd4S8XanrvjTxToup2drbLoksCRG3kZy4kUtksQOwHYd+tZmsXV3afH7w5aW99eLaXunXUk9r9pcwuyAbT5ZO0EZ7Cs/wvaRX/xM+KNrcGQRStZq3lStG2PIPRlIYfgam9lzeTf3Ow2unmvxVz0JdT/tTQ7q68OSQXMyiaO3MpIiaVCy4JHO3cuCRU2ktqL6PatraW8eomJTcpasTEr45Ck84+teP/Dexksv2bZtT0zUb+yvRZXciypdM6oUeQjbG5ZF6clVBPrXUaF49t9A+FvhbUfEX9pX09/Yxlpbe2e5dm2Akttyec9TVtWbXa343J1dvn+Fj0SivJfiD4vutU8E6NrnhXUtT0pJdat7R45YDCZFZ8HcrAPj6EAjNO1m21zRPi3oGlWXizVntvEFvcrdC4ZJPKMahg0S7QsZ5xwMD0NJXf5fhcen6/jY9YorxyDxPqXgLXfH9jNqV9rVno+mw6hZjUJfNkR3U5Xf125xx2FWtb/tqw+DsHjbT9fvm1yCyi1KZnuGa3nBAZ4zBnYFwSBtAIwOaV1bm6f8P/kx2d+Xr/w3+aPWa47QvF2p6j8Ttf8ADN/ZWtvBpltDNDJDK0jSeZnkkgAcdsceprEHiy58X+ONA8PQzz6dZ3OhrrV4LeUxyy79oSEOMMoGSSVIJwBkc1neGLCbSfjV47gtdQkd10q2eCe/lMnlZViAznllB7kk4709pa+f4X/VC3i7eX4tfoz12uOPi7U0+MEfhKaztUsZNMe+S4WRmkYhwoBGAF78c9ua4GTXdT0qbwPd2WsarqM19qsVnqWoNO5sb7zM7hHG5AwCPlZEC4HWumu/+TmdP/7FqX/0fTS95fNfdG/+Qm/dfyf3ux6TRRRSGFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBgeLvCVr400yLS9WuJ103zRJc28LbDcheVRm6hc8kDk4HIrS0nR9O0LTYtP0aygsrSIYSGBAqj346n360ahrFhpUlsmo3SW32p/LiaX5VZ8Z27ugJGcA9ccVdoWmwMKKKKAI5xM0Di1kjjlI+R5ELqD7gEZ/MVyVn4EkfwBf+FfEGowajb3izDzYrMwlDI7PnBkbJDNkdOgrsaxp/GPhq11JtPuvEGlw3itta3kvI1cN6EE5B9qTSej6jTa1XQ57Vvht9p+FMfgXR9Si0+1+zLBLcSWhmZ8EMzAB1wWIJOc9adq3w8uNb+Hlh4cvdaWO701oJLTUba02bHhACMY2ds9Dnkda3tT8YeHtHt7KbUdXtYk1B1S0IfcZyxwu0Lkkc9RxW1VO7bfd/iiVZJL+tTg4vh1qUnjPR/E2qeLLm7v8AToJIX2WkcaSh+wXkIPwJOfvcDFzw74KvtF8Z+IddudXt7uPXWjaW2SxMZi2KVXD+Y2eDzkflW9YeINL1PWNR0uxvFmvdMZFu4QpBiLjK5JGDkemap61428PeHZWTWNRW32Mqyv5TukJb7okdVKx57biM0tP689R9/wCtjnNE+GmoaD4F1HwvbeJjNaXEU0Fr51iCLaOUsWyA4Lt8xwSQPaum8HaDP4X8I6folzex3xsIVgSdIDDuVRgZUs3Pvn8K2kdZI1eNg6MAVZTkEeopaev9eQb6/wBanJ+P/B134102xs7XVYdOS1vYrws9oZy7RnKj/WLgevWodY8Gapq3jnQfEf8AbVpC2jJKq2/9nswlMihXJbzhjpxxx3zXVX9/aaXYy3upXMVrbQrukmmcKqD3JqLR9ZsPEGkQapo9yt1ZXAJimUEBwCQTyAeoNJabev3q35A9d/Q5SP4eTTeNte1rVdStbyy1yzWyuNPFiyYjUEDEnmnnk5O36YqC1+Gt5F4T/wCERuvEbXPhwEIIWtNt0YQ2RCZt+CvbOwHHGRXf0ULRW/rv+odbnFeJ/h0NW1zStd8O6q+gaxpcX2eGeOATRvB/zyeMkZHXHIxn6YpR/C2efXNd1LV/E11dtrmnixuo4rWOFcbSuR1IxnIA/EmvQqKVrqz8/wAdw22/q2x5e3wk1efQdC0688azSNoF3DPYyLp0aqqxggKy7iWbGBuJxx901vt4J1A/E208W/23CyW1h9g+yvZEs8ZbcWMgkA3E9wuPauxoqru9/wCtrfkKytb+t7hRRRSGFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBQ1rS01fSpbVyqucNE5XdsccqcdxnqO4yO9eaw/FXwfo8YWy8T2VnPESlxpNwZHhR1OGWN1UlBkcY3Ljoozmuw+IR8Q3HheXTPB0G7VNQzAty7bI7RCPmlZvYcADJyeBwa474e/s+eGvB/lX2shdc1ZcN5k6fuYm/2Iz1Pu2T6YpRvd9F/X9f8MN7Lv/X9f8Oei+G/EFr4n0WLU7GKeOGQkKJ4imfcZ4ZT2YcGtWjp0oqnboSr9SK7jkmsp4reTypXjZUk/uMRwfwNeHeDvGOl+ENHHw6+K2jjSpcun2y4j32moBmJMhf1OeWPHqQeK9vvmlXTrlrfcZhExj2jJ3YOMD6153d63beJ/AI07xv4N1qXUJLYCWxOlSShpduNySqpROeQSykd8VD69fLvvsX2Mv4n6fb6F8LfCVjayfabex1bT44pIxuLopIBAGc5Hp1rrdP8eXUnjyLwxrXh+fSpLy2e5sZnuUl89UPzBgv3GA5xk/WvO9W8M65oHwW8HaBe2d/qGpWmrW9zNHZ2slz5ESyMxBZFI+VSB+HGa6nX3muPjp4R1CDTtTksreyuY57ldOnMcTSKNgZtmBn9O+K0+01e+r/9JX6oz+zfyX/pT/Q39A8Yvr3iHxNpVrops73RmiU/ap1H2hnUlclA20YA5+Y89OMVwfgq51690v4hGfRtG1BG1q88+O+vXZNyooCbfIO9AAOSVz6Ct7wS89v8VfHl5c6dqcFrePbPbTy6fOiTCOIq+0lOee3U9s1W+Gsd21r44tLjTNSs5dS1i8ubX7ZYTQrLHIoCsGdQOcdM5rJ35W1/L+On9fI0VuZJ7c36Ms/D/wAZ3dp8G7TxH4sS3S28nfHLBOWkmZpWATYUVU5KqoDEY9AKvQ/FGCLxfpehavaWkP8Aa+5bS4sdRW6USD/lnIAqlCc8Y3DPeuM0vw94h1v9nqDw3a6Pe6drWjGOSNb+LylnlimLhVyfmBA+90yRz1x2XhbxfqviOe1tX8CalolzGQb651G2EcEYHURNndISeBgADOT0wdpWc3bv+HczV1BX/p/1+pYv/GN1rGma6fDejDU7DTxLbT3D3QiM0ir86wrtO/bnGWKgngE1D8D/APkivhz/AK4P/wCjHrmPBL634F0jWvBureG9XvH+0XEthfWVsZYblJMkbnyAjZPRiK6r4M2uoad8KdH0/V9MutOurWNkaO6UKxy7EHGcjgjqAaiPwt+Uf1uVLdLzl+ljuqKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKxPFNtftp8d7pN3cW9xZP5pSEBvOj/AI0KHhuOQOuQACM5ptv4ga2gik1pI0t5FDR6jb5NtIp6Fu8ef9rK/wC0TQBu0UisGUMpBBGQQetLQAUVXvrZ7yzeCO6ntGYcTQbd6fTcCPzFeTfDn4javb+KZ/Cnjy4aaS5uJxo2qSxqgu1jkaNoztAUMCpx+XpkWrsD0Vz2GiuRul1D/haNlaprN4lhLp8109oBHsLpJGo52bsYc8Zrfvte0jTLiO31LVbKzmk+5HcXCRs/0BOTQtUn3/zsGzaL9FQXV9aWMaSXt1Dbo7BFaaQIGY8AAnqT6VFbavpt7ez2dnqFrcXVvxNBFMrPF/vKDkfjQBcoorPl8QaNBf8A2GbVrGO73Bfs73KCTJ6DbnOTkUAaFFUtS1rS9GjR9Y1KzsEkOEa6nWIMfQbiM1JLqVjBbwzzXtvHDOyrFI8qhZC33Qpzgk9sdaALNFUrPWdL1C6ntrDUrS6uLc4mihnV3iP+0Acj8ajn8Q6Lbakun3Or2EN6xAW2kuUWQk9AFJzzQBo0VWudRsrOaOK7vLeCSUMY0llVS4UZOATzgAk+wqtJ4j0SHTYtRm1nT47KY4juWukEbn2bOD0oA0qK4T4p6tOvwi1fWfDWtSW7w2/mw3VjIjBxuAwGwePdSD710Gha7p9xZ6fYSapayam1nFI9sbhTMcoCWK53e+aFrfy/4P8AkD0t5/8AA/zNuivPJL/U4P2hrbTG1S6l02bQpLkWbMojSTzQuQABngdWyeTzXZ3mv6Pp15Faahq1ja3M2PLgnuUR3z6KTk0LVJ9/82v0DZtdv8rmhRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAY3i7xFB4T8IalrlyodLKBpAhYLvb+Fcn1OBXzl8LbD4m/Ea4muh4r1HQ9DWVmLRq4VtzElIRjbgZx149DX0hr/hnS/E8NvBrlv9rtbeUTC1c/upHHQuv8QHoePUHitSKKOCFIoUWONAFVEGAoHQAdqUVZtsHtZGb4d8P2vhnRo9NsZbiaNCWMlzKXZmPU+g+igD2rUooqm7hsFeYx+CLHx38MZtOu2NvdRanezWV4n37aYXUu1wf5juPwr0uaNpYXRJXhZhgSRgFl9xuBH5g1keGfDa+GNPks4dTvr+J5ZJh9s8olWdy7YKIvVmJ5zU2uO9v69TzT4ZeMdR8SePU03xFFs1zQtOurK9bGBMRNDtkAOCNwHcD1Hto/CFLfxb4D1+bXoY7q51LVLqLUPNAJcAgKhzyAq4AHau9TwvpcfjB/E0UHl6nJaG0lkTgSpuDDcO5G3APocemMofD2wttW1G/0bUtS0f8AtRt97b2UkYimfoXw6MUY9yhU0bqz7NfNu/4i2endP8LHigifUvgd4ZOqj7RLZeKI7K2uX/1ogExUAP1A7cHsPSvQr/R9O0H9oHwkuiWNvYLc6ZeJMttEIxIFAK7gOuD3NdNrfw20jWPD+l6JDc3ul6fpU8c9vDYtGPnQ5UsXRieST7k85qe98DQ3/jHS/Es+s6mL3TImigRfIEZVxh9w8rJ3fUY7Yqk9fm//AEm356iez9P/AG6/5aGRpPifx5deJYbTUvDFlb6c0xWS5SScsqc4ODGB6d64vWNQ1L4cXkOn+JbKDxF4Q1HVftdvqMCss1lK03mKZHI2HDdDuBIzz2r3OuQT4c2J0xtKvNW1W90lrj7Q2n3MkRjJ3+Zt3CMPt3c7d2O3TilHRr+uw3qn/Xc5vQFl8TfEzx1a3OpNBLayw2yxeTDJm2MWQoDqTtLbiccEmud8b+BtH8L+DfCuj2dzLqC23ii2iWedlM0CyEs0QZACo5zj3z6V6B4l+Fmi+JPEUevJe6rourLGInvNIu/s8kqDorHBz6dj+Qrkvi9pek6F4P8ACujQ3DW0P/CQ2rNI9wfObJYvKXJyWyclj3pR05fWK9dUEteb0b/BjvFnhjTPC3xa8Baj4VsINMnvLqWzuo7SMRrNDsydyrwcc8/TPQVz3i9YLr4N+Mp/DkSppK6pJNJdXrGae6n89AzRlcKiA8K2XJAIwK9hsfClqmswa1faheaxeQQtHazXhjxArfeKLGirlsDLEE44ziucb4LeHm0fU9I/tHWl0vUJGl+wre4ht3ZtxaNdvqOjbh7UapW9fzT/AEv6lJq6fp+v+dvQxPGOj6dqXxc+HJvbOGY3cF2Lksg/fhYVID/3h7Hjk1qXWk6LonxH0TSvCmmRxapDp1w8MZfbaWcLyDfI0agsXZuB90HkZ4rYn+GtnNrGhakNc1lJ9CV1tP3sT53jDly8bFtw98DtirGu/D/Ttc8VWviH7fqenajbwG2aTT7nyvPiznY/B4z6YPvwKrqvV/jf/MzSdrPsvwPJbZHh/Z8+JNvIyHydXvEAjTYg+dM7VydoznjJrT+I/hLRtI+Fei+IdD0+Gx1yymspYLy3TbNI7soIZh8z5znnNd7p/wAK/Dun6Xrmmg39xY63I8lxbz3bMqF8FtmMEcgcnJ461csvAdnB/Z6ajqepavBprB7K3v3jKQsowrfIilyo6Fy2OvXmlHS3/bv/AJLuU9b/APb347HPXn/JzGn/APYtS/8Ao+sPwLoS/Ef4c6tHq+qzBtQv7qPUI0hhZg4kO07mQsCF24z0AGOK7+bwRbzfECHxcdV1Fb2G2+yrAph8nyi24rjy93J5zuz71j3nwe0CfxJdaxY6hrWkPfNvvbXTL9oIbo996gZ574I6mklok+z/ABlcbera7r8FY63w9ZRaZ4dsLG2vZL+G1hWFLmVw7yBRgEkcE8Vo1Fa20NlaRWtpEsMEKCOONBgKoGAB+FS1Td3clKysFFFFIYUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBm6vrtrof2Zr9JhDcS+V50cZdY2xkbscgHB5xj1xV6CeG6gSe2lSaKQbkkjYMrD1BHWodTsodQ0ye2uWKIy58wHBjI5Dg9iCAQfUV4knx18Gw3OzT59Qg1fzDHN9isvNtryQHG7y9wzuxkEbW5AyelJPWw7aXPd6KyvDerXetaJFe6hpVxpc0n/ACwuMbiOzY6jPowBHp3rVqmrEp3CuXm+I/hmBZpWvLh7W3cpLexWE8lsjA4IMyoU4PU5wK6O7g+1WU9uXaPzo2TevVcjGR714jofi7WPg5p8PhX4jaK8/h+EmG012yj8yIxknAlXseT7+zdanrYrpc9q03UbXVtMttQ0+UTWt1GssMgBG9WGQefarNcU3iTTvD/h7wxpXhRor86sVtdLYv8Au/LVNxkYj+FVHQck4HHUWrPWPFVpr2p2Os6RHe2VvZ/abTULBDEs7d4TGzsQ/oc4qpWTf9bCWqX9eR1dYC+MtMbxz/wiYS6GpfZWuyWgZY9gYLwxxu5P8ORwea4+T4ja7pd94WGvQaZE+v3KQS6SoZLuw8zOxmJc7wOh+Reamu/+TmdP/wCxak/9H0Je8l6r7k2JvRv0/F2PSawLvxlpln40sPC8qXX9oX8ckkR8giLai7j85wD/AMBz74rjfE3xI8QeHfD+o6/e2Wn2FvaXxgg0q+Vlur2FXCmVH3gc5JA2NwOtQ+OLq+Pxk8Cz6LbRXF3JZXxhjnl8tATGvLMATgZycAn0pLVr+ulynon/AF1SZ6pNKsEDyuHKopYhELsfooBJPsKx/Cfi3TvGejyalo4nFulxJbn7RH5bFkOD8vUD64PtXOeEvG2vTeOL7wf4206ytdUhtheW1xp7s0FzDu2nG/kEH+vTHPNfDnxJb+E/hLrGq3MbS7Nduo4ol4MkjzBUXoepI7HjPBoW/wAv1SF0+f6NnsdFeeW/jnXoPGOladd6eup6dqRKPdWOm3MJsZO3mGTIZD03fL64r0OjpcOtgooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAOX+IGj654j8MyaH4euY7E6gfKur6Q58iH+Lao5ZmHA6DBPI4rO8A/CLwt8PoVk0y0+06jjD6hdANKfXb2Qew/Emu5ooWl7A9dwooooAgvklk065S3z5rRMEwcfNg45+tcRbXvi6TwYNI8ReC21G/e18iV4723a1mO3GXLuHGepARvbNd9RSaTTT6/1+o77Pt/X6Hjc/wp8QaF8P8Awmnhq6t7nxD4YuHukjlYrFceYSZIgT0HOATjj0zXWW0vj3xBouoy32n2/hi6+xSw2Vst4tyzTsvEruo2qoPQDPUk9BXcUU5e9e/US0aa6f8ADnh7eFPGs/hnwnEnhC3trzRdWgu73fqUTSXrKCHmLDI5zkkktz04rrJdK19/jnYa82iTHTY9HNjLdJPCVWVpN+QpcOVHrtz7V6JRTvrf1f3q35Ctpb+tHf8AM8Lv/BvjvUPAfinQ7zw/b3WrX87uNZkv4915H5gZEUdVwBgKxVQK6rVdD8TP4m8G+KE0ZLh9Jt54bzToLtPNXzECgqz7UYjHI3D2J616VRSWlv66W/Ib1/H8df0OK07QL+78f3XjXVbJ7Z49P+wWOniRGl2bt7M5DbAxPAAYgDqeeOM0j4d+IdT+Ees+HNRspNE1R9Uk1GxmlmikTd5okTJjdsdMHjj3r2iil6f1rf8AMd/6+VvyOF8L6n8RdTmtrXxR4estEjtyDdX0d6k5u8do41B2bj1LHgZxz07qiiqbuTawUUUUhhRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBm6xrtrof2Zr9JhDcS+V50cZdY2xkbscgHB5xj1xV6CeG6gSe2lSaKQbkkjYMrD1BHWodTsodQ0ye2uWKI658wHBjI5Dg9iCAQfUV5jZfE3wSVje08U2mn627FLiC3jeWG4lBwSY1GG3EZ3IQTkfMRQuweZ6xRWV4c1ibW9HS7urC40+fcUeCeJ0II7jcoJBGDkce/FatGwBRRXlPxT+I3in4f+JNHMFpp7+Hb+VIp76e1kY2p3AMCyyAE7csOB0PXBo6pdw6N9j1aiuf8K6lq+ri9vNQa0OntcMunNBAyGaEY2yli7ZDc4wBkAEZBFReLvEt9o/2Sw8PWCanrN437u2Z9ojiH3pmPTaMgclckgA5o7BudLWH4k8WWPhdtPS9hup5dRuPs1tFaxb2d9pbGMjsDVDTH8btqMH9qXGjfZC375IbF1fHoG+0MAffafpWR8Sv+Rt+H/wD2Hf8A2i9HVLu0vxQdG+yb/A7qwuzfWMdybae1MgP7m4TbIvOORk4qxVDUte0jRmjGsarZWBlBMYurhIt+OuNxGetUf+E48J/9DRo3/gwi/wDiqAE8W+NNC8D6bFfeJLw2sE0vlR7Y2kZmwTwqgnoOtSeFfFukeNNHOqeH5pZ7TzDEJJIHiywxnAYAkc9a4n4k2Pj211238VeBJYb9bO1MS6Y1qj71ZgzsGLhsnavCjPAHNdd4F8Vp4y8J2+qGEWt1loby0yd1tOpw8bAgEEehHeiOqdwlo1Y6EkKpLHAAySe1cTonxg8GeI/Eceh6NqM11fSsyoq2koU7QSTuK4xgHnOK3fGGl6hrfhDUdM0e9+w3d3CYluPL37AeGwNy8kZGc8Zrgvh94v8AFmmeKx4L+IthFbO0R/srUEiESXYQDKAJlMhecAggDpRHWVglpG52cfjeyPimz0C5sNSs7y+837M1xbhUlEYyxDAnt/Os22kvda17xVcRavd2dnYOlramNwVjlSPfK+1gQRl1GDx8pqn4sGfjb4CAJUmDUuR2/crW3aeBba10ufTZNW1K5srqaWa5hkaJfPMjlnDMkatgk4wCOOOlTZuPyf33t+RWif8AWxa8E61c+IvA+kavfRLFcXlqksiqMDJHUD0PUfWt2mQwx28KQwRrHFGoVEQYCgcAAdhT60k022iFdLUqapq1homnS3+r3cNnaRDLzTOFUe319u9YreP9Bit/tN3JfWVpjP2u8024ghx6mR0CgemSM9q4fxBcnxD+0tofh7UDv07SdPbUY7c/dkuDkBiO5UYI9MH3r0nxFqmlaTotxP4gJXTjGy3DGB5UCEc79oOFx3PFRry83r+GhX2uX+u5n+IfHmjeGtGsNUvvtUttqDxpbtb27OGMmNuTwFznuRXSV5D8T7jTbj4OaMdDeSTT49RsI7aSSN03xh1CkbgCRjHPQ122s+J7keL7LwvoH2Z7+aB7q6lmUyCzhGArMgZc7mOANwPfBqu9u7X4Jk9vS/4tG/qF9Fpmnz3twsrRQIXYQxNI5A9FUEmqXhfxJZeLvDdprmlCUWl2GMXnKFbAYryATjkVzfh7xld6xc+IvDviG2hsta0pWPlx5AuYCvyzKpJwp6YDNg9TXlng/wAd+OPCvwk0S80TwhHqHh+xic3d28h8xh5jliqg7gF7ttYdT2qU1r8vxv8A5FNP8/0Po2qGuaza+H9FudU1ATG2tYzJJ5ELSsFAyThQT+PQd65vUPGF9dXejr4djt00y/snvptauoXktrdABtUkMgy2e7gjHSsbTfGc3jf4MeJ768ht4rm1hvbOUWz7o3KIfmXrwQQep+ppTbjGT6pP8NPzHC0pLs7fj/wDvdC1m28Q6BY6xYrIttfQrPEJQAwVhkZAJ5/Gr9cn8LP+STeGP+wbD/6CKdqfia7m8aReF/Dv2VrtLY3V7cTIZVtFyAgZAy5LnOPmyAM4xWk0ozcV5mcHeCkzqqK8zj+J2sJ4d8TLc6JA3iPw6WaawE/liSADcs4zn5SOcBm+vNc7cfGHxxZaRpHiS68IW/8AwjFxHCby9DtuXeBucLksqAkgEqQcDnkVK1/D8dinp+P4Ht2QCATyenvWXBrsU/ie60RbO+SW2gSdrl4CLdwxxtV+7DuK8/1O/wBfvPj1o9rp2tWf2CTRpbu2R7NpECsygk4lXcxAGGyAB26k7Gl+ONcvviN4h8N3GiQwrpdktzaqJwXuixwuW+6oPpjI70Lp8/wv/kHf5fjb/M7yivGLf4reO9T8G6nrWl+FLMvpdzOl0rykqixEZQfMCzY3EsuRxjFWb/4seJ7ax0bxFH4cto/C17LbxzXMspMgEoGXHIIAYkcoc4znkULW1vL8dgen4/huevUVxjeKtWh+MUfhSVbN9PuNKe/jlWFllRhJs2k7yCO/QVkW3xA8Ri38chtMstRufDU4SBIM24lTYXLNuZug7A80rq1/K/3O35js72+X3q56VRXjFx8XfGFt4R0XxXL4atP7DuDAL2fe2cSEAsg3blAJxyrZ655rctviB4qtviJpGk+I/D9tp+ka20qWU3mbpVZF3Ddgn7wxwVUjPsaqzvb5f1+hN1a/z/r9T0uiuL+KfiLxL4T8Gy634Tsra/ktWDXFvPA8n7vu42upG3qeDx6Yqh4A8ba144i0u+tpNNbT3sBLqDw2sn7u5LYMCsZOCByeGI4P8QpR969hvQueFm8ZHxdfjXwf7Oydnygc4XZjnHTOdufmzmu3oqtqF9FpthJdzxzyRxgErb28k7nJxwkasx69gaOgdSzRXMf8J9pf/QP8Qf8AhO3/AP8AGK29K1SHV7EXVtFdRIWK7bu0lt34/wBiVVbHvjFAFyivJ5fiXreu+JvF9n4TawFl4XtDJ5rwtN9rmAJKE712jKsOM9M57V2Hw68aQ+PvBFlrsKxxSy5S4hjcsIZV6rkgH0P0I69aFqrr1+8Ho7M6iiiigDD8U+MNJ8G2MV5r0k8NvLKIlkjt3lG89F+UHk1T1H4gaTpNmbvUrTWLe3UhWlfSrjapJwMnZxyQK5L4rXUd/wCO/A/h6RZp4BfNqd5DbwvM4SEfISiAnaWJGcV2Wla3F4q1LV7I2Mn9n2LQx7rm3khaSUjewKyKpwB5Z6c560R1V/P8Fb9boHo7eX+f6anRg5APr602SRIo2klZURAWZmOAoHUk06vO/i9qMgsvD3h6J9q+INYgs7gKfmaDO6QD2OAD7Gjqkutl9+gdLvp+h3Om6jDqtmt3aLJ9nc/upHXaJV7Oo67T2Jxnr0wat1zPj7Utf0HwXd6j4Qs7e8vbNQ4tJYGk81B1ChXUggc9+mMVynw7+Imv+P7DRrm1bSxvWZtXWK1kP2QqwEaAmXhmGTznpnGKFq2l0B6JNm1pzeMj8RbkXoP9iY+X5RjZmXZjnGc4zj5seXnHNdTDq9rLq82lsWivI08wRSDBkj6b0PRhng45B6gZFXq86+Ml6+gaJo/ie1Oy40jVYSX9YZDskQ/7JBH5ChdF8vvDe7+f3HotFRT3CQWklywd0jQuRFG0jEAZ4VQSx9gCTXO/8J9pf/QP8Qf+E7f/APxigOlzp6KztH1y21uKWS1gvoRGwUi8sJ7Un6CVFJ+ozV6UyCFzCAZNp2A9M44oegbmVrXiaz0W4htGinvL6aN5Y7O1VWkMa/ec7iFVRxyxGSQBk8Vb0fVYNc0W01OzWVYLuJZY1mQo4BGcEHoa84+Fsusa5428V+I9XaCZGuTpsMsUZChIf4YzvPy7mbPXJHXtXqlC2T76/wBfKwPdrt/X+ZheJ/Ftl4USybULe7lF9dJaQ/Z4w2ZXOFU5I61u15P8Tr/ULr4k+FdK0PTzq1zp6zao1orYAcDZC0jdFUEsckjOMcVp+DvHuv6tZ+KLXxPptnpmr+HnXzVVj5RjZS6scsQBhSeGP4Uk1yuT8/uWn53HZ8yS8vv/AOGsd5aajZag04sLy3ujbymGYQyq/lOOqtg8MPQ81ZrgPC3i+KH4YW/inVtNs9NvNVLzJZ2sRRruVifLVQMs7uADnBJznGKjPjPxTaeK/DOiajptmJ9cDTzRxo26yiRSXUneQxB2jf8AKOfumqs+bl6/qTfTmPQ6K891HxxrsmteJbLw/aWVzPoZjVNOdGa4ut6qTIPnG1Ru/utuxwfT0Fc7Ru645xS3Vx9bC1W1DUbXSrJ7u/lEUKkDOCSzE4CgDkkkgADkk1ZrzrWL99W+PmhaAzbrTS9Nl1R4x0MzHy0Lf7oJI9zRu0v62v8AoGyb/rsddrXifS/Dmgtq+vznT7ZU3MJV3OPbauST9M1csNTttR0a31SB9tpcQLcI8ny4Rl3An04NYHxQAPwp8TZ5/wCJZP8A+gGrPgqKOf4baBFPGskb6Vbq6OuQwMS5BB6iha83lb8b/wCQPS3nf8Lf5mbY/FXwxf8AiS30VZry3nvCRZy3VnJFDdkf883YAN7Hoe1dKdXtU1pdLmLQ3UiGSESDAnUfe2HuRnkdR1xjmuA8e6po11488Ladr4nsbGxvvta389rLHC1yoxFCJWUJzktkN/AB3rQ+Mzy2Xw4uNbscrfaLcQ31tIOqssgB/AqzA+xpXXKm+/4d/wCv1HZuVl/T/r+tDvaK8/1PxxqkdzG2mzaGLWaCKaP7TdIr4dA3IMqnHPHA4o0nxnrl5rFpbXE3h8xSyqjiC7jZ8E87QJiSfwNVZ3sTfS56BWFqvjPQ9H1/TtEvbwDUdSl8q3t0QsScZ5I4UY9a0Y9X02acQxahavKxwI1nUsT6YzXBfE0f8V38Oj3/ALZf/wBFmkviS7tfix9H5J/kdzreuWPh/TWvdSkdY9wREijaSSVz0VEUEsx9AKy/CfjzQ/GT3kOkyTx3diwW5s7uBoZos9CUYZwa351hUC4miDtACysI97LxztABOcccda858F6jo+q/FbxNqMnm2WtSRR28NjdQSW8klqg4mCyKpbcx9OAoH1FvZ/1/X9bA9r/1/X9dTq9T8baRpd7dW0hubhrGMS3zWtu0q2iEZBkI6cc4GTjnGOa3Le4hu7WK5tZUmgmQPHIhyrqRkEHuMV5f8D3Or+D/ABDqN9+8m1LW7tpy38Q+VcfQDirHwAvJrr4T20Mzl1s7u4toif7iucD8M4/CiOq+Sf3/APDoJaP5tf19zPTKKKKACiiigAooooAKKKKACiiigAooooAKKKKAOX+IGj654j8MyaH4euY7E6gfKur6Q58iH+Lao5ZmHA6DBPI4rO8A/CLwt8PoVk0y0+06jjD6hdANKfXb2Qew/Emu5ooWl7A9dwooooAK4P4j6JqHjSwk8L/2RdDS54nkm1BHgP7xRmJEVnDD58EnA4GO+R3lFKUVJWY07O6PMvgjYeM/D/hL/hHvG2kSWosmP2K5NzDKGjP8B2OSCDnHGMcdq1PHfgtNb1jTdcTRNP157KOSCbTr9VxNG5ByjMCFdSOM4BBIyK7miqk+Z3ZMVyqyPO9C0HSrbXLSaD4SDSJUkyt+EsP3B/vfJKX/ACGad8Sv+Rt+H/8A2Hf/AGi9ehVgeJ/CNt4ok0yWe9vLG40u5+1W01mY9yvtK8h0YEYJ7Ur6ryaf4ofR+aa/Bmxc2NpeFTd2sM5X7vmxhsfTNQf2JpX/AEDLP/wHX/CprC2ks7GOCe8nvpEBzcXAQO/OediqvtwB0qxQBy134m12y8SXGmp4Mv7uzVFNrf2tzCY5SRyHDspjweP4s46VjXkWv+AfBN9qei6Vaapqd3fyajqUTXIiiiV8s5VmxnaqqvqeuO1ehVBd2NtfxpHeRCaNXDhG+6SOmR0OOuD3we1LX5j0vrsZGta5qtj4Zg1TRvD82r3Enls9is6xSIjDLEFuCV/u8ZrOjsrzxZ4i0fWNS0m40m00gyTQQ3jRmeWZ0KZIRmCqqlupySRwMc9fRVdbk62sefeKv+S3+Af+uOo/+iVr0GuYXwRE/i6x8Q3+tapf3On+cLWKcwCOISrtYYSJSeMYyT0rp6S+FL+t2ynuV9RluodMuZdOt1ubtImaCBn2CRwPlUt2ycDNY3gjXdT8Q+HBda7pqabqMU8lvcQRyiRA6NglWHBHbqeQRW9LGs0LxPu2upU7WKnB9COR+FNtraCztkt7SFIYYxhI41wqj2FC6iZw3jjwLf6j4o0nxj4Umgh1/SQY/KuCRFeQnOYmIBKnlsHB6/knjFvEfivwHqWhQeE720vdQt2g8ye7tjBET1YsshYj/gGfYV39FKyceV7Du1Lm6nlfjXwjr7/CTw94a0nTW1S+sJLPzzBNGiAQ43EGRlznHHH1xWhqvh7W9O+J1p450LTnvY7qw+w6nphmjSZVB3K6Fm2EggAjcOnB5r0Siqu27+bf3qz/AAJSSVvK33O5w+k+Fb278b654t1O3+wzX1gmnWlo7q7xxDktIVJXJbHAJwB15rA8PeHvFmm/CU+An0TyrryZbP8AtQ3UTWvlyM2ZAA3mZAY4UoOccivV6Kmytbp/w/8Amyru9+v9f5I8svPCWv6D4r8Nx6To6eIfDml6WtpFbTXaQi2uFPFwytwxwMZAJGTgetfw/wCGvFuleDPHOl32hxyTapdXk1p9mvI288zLhcbioVR3LEH2r1uih+8mn1v+LuC91q3S34KxzPw5sdQ0r4d6LpusWMljeWVqlvLFJIj8qAMgozAg/XPtWHf+G9a0H4sy+MNCsjqtlqdmtpqNlHKkcyMmNkib2VWGBggsK9CoqpNuXP1/zJSSjynl2p+GLuKy8f8Ai/VoBaXOqaS9vBabw7QwxwkfOVyu5jzgEgADk1naPYa54v8AgNo3heDR5LSO+sLeGXUpZ4jCkHykuqht5YqMBSoGT1wMn0/xFo7a/wCH7zShdvaJeRNDJLGgZgjAggZ4zg9aj8LaD/wjHhqz0ZbyS8hsoxDDJKiq2wDABxwfrSSVmntp+F/8/wAxtu6a31/S35HH6v4Z1zTPih4f1vw7pcd/YWukvpkge5WLyPmBVznlhgfwgmpNN0zXbb42a3r02hXX9mXWmRWsNws8HzvGcn5fM3AHoMj64r0Oind6Ptf8b/5sVlZr0/C3+SPJvC2g+JNN+Gvi7Sr3w5dR32pXd7NaxC5tjvWcfLyJcDHfP4ZqprfhfxRe/ALRvDFt4cuW1a2+ypLCbm2AXymVmO7zcEHHGOfUCvZKKS0/8l/8l2G9fx/Hc848RaV4lg+JmjeMND0L+0o/7NewurN7uKGSDc+8NkkqR2OCaztJ8OeL7Cb4hT32iwzHXstara3aZdjCUwAxA2gn7zFTxnbzivWKKVk015Nfe7/mNOzT9H9yseNar4W8UXX7O2n+FIfDtydYhSCKSE3NuFXy5FYtu83GCBx39hW94y03XtX8W+CNR0/w9eSQaTdPcXmZ7dTGGTbjBl5I68ZHvXo9FW5Ny5vO/wDX3EpWVvKxieKrrVodGeHQtJl1G5uf3WQ8QSENwXYSOu7AJO0ZzjHGc15b8MvBfi34b/EfV7K00e5uPB2oPmKd7m33xMOjlBJnHJU4GSMHHGK9toqY+67jeqsFVdSsf7R0+W1F1c2nmAfvrV9kic54ODirVFAHKf8ACCt/0Nnib/wPH/xFbukaYdJsBbG+vL7DFvOvZfMk57ZwOKvUUAeIaZ4H17wJr3j1NP0i41Wy8SQM2ny2zJ8kjb/3cgZhtwZPvdMD8K7T4O+Brr4f/DyDSdRkR76WZ7m4EZyqOwA2g98BQM+ua7uiiPuqy7JfJBLV387/ADOV0DxFrt5401nRdc0WKxgtlE1jcRXAk8+EsVBcD7pO0kA47+ma6liQpIBYgdB3qG2sba0kmkt4gkk775X6s59yeTjoB2HAqejokHVs858OaRrs/wAZtd8S65odxZ2klnFZabK88D7Y1O59wSQkEtgjjvzXU+KtWfwx4eudUsbOGaQTR+arvs3bnWMtkA5IBHHHTrW7WF400i917wrcadpn2cTzPEQbiRkUBZFY8hWP8PpQtEl2/wAw3bff/hiPxZrWr6Hax3emWdpdQrJGkkU0xSSYu4XZGAMbuc89envXM/F/T5FTwx4kRSY9A1mG4ucfwwMQrt+HB+ma3/F+g3PinTpdHuNLsJbWeD5byacl7WU8bkTZ1Xgghhk8cda6N7aKWzNrcIJ4mj8t1kG4OuMEEd80efZ3+4PLurFDxBf6lY6NLNoWlSatelSIYI5Y0Xd2LM7KNv0ya8e8IeB/GHw++L11faNo9zfeGtUjX7azXFtGyyEZLhPMH3XJ4HZiBnivadL02PSbFbO3lleCPiJZW3GNOyA9SB2zk+9XKFpLmQPWPKwrzr402Umu+FNP8NWo3XOs6pBAqj+FFbzHf6Kq5Nei1RTSLcaw2qTF57rYY4mkIxAhwSqAdMkAk9Tgc4AAOq8tfuC9k7Fia2Eti9sskkIaMxiSJsOnGMg9iK5r/hBW/wChs8Tf+B4/+Irq6KOtw2VjM0TRTosMsZ1PUdR8xg26/nEhT2HAwKZ4q1hfD/hLVNWf/lztZJVHqwU7R+JwK1q5ybwZbXeuXV9e6hf3NtczRXD6dLKDAJIwApAxkAEBtucE8nPFKS5lYcXZ3K/wy8Py+Gfhvo+nXQIu/J865z182Ql3z7gtj8K6uqWpWl5dxothqT2DKcsyQpJuHp8wOKzv7G13/oaZ/wDwCh/+JqpO7bJSsrHN6fZ6xovxF8Ua3e6Hd6hLqXkw6c1q0ZjEEafdZmYbCWJJyMemazfEPg7XrT4Y+J/sMP8AaHiXxJMHvBbMAFRiqeWhYjKpHkAnGeT3r1GFHjt40lkMrqoDSEAbzjk4HAzT6mytb5fL/g9Sru9/n/XoeX+JNH8QWuqeBNQ0/wAPvf2WivKs2nW08YeHdGEiYliFJUZyQcA5we9Ns9N8Xj4r6z4j1HSPMWPSVg0/bMpijzl2jXnczlgoyQB945AwD6lRTd3r6/iJWSt6fg7nmk+iatrvjzwrr6aNc6RqmnqyatdO0flywlDmIFWPmZc5HoM5wcCuxvNZuIfGem6LbRRSR3FtNc3DnO6JUKquO3LOB+Brarn7LSdRj8YavrN2lqyzW0VtYqkzEhE3sd+U+Xcz9t3AFF/u1/r7wt9+n9fcNh1+9l8ctpEcFpcWQgeSSa3mLSWzAqFEoxgb8tgZz8p69uZ1SwfSP2hdH1txi11jSpdNL9lmRvMUH6qDj6Guh0TQ75vFU/iTVrOz0+7msltGt7OczB8OW3u5RMnoBxwM884G3qmlWmsWJtb+PfHuV1IJVo3U5V1YchgeQRQtOV9Vf9V+TB63XT/hn+Zi/ESz1DU/h9rOm6Pp8t/eX1pJbxRxyRpgspAJLsox+vtR4cOq6R8NbGKXRZ/7T0/T0i+wNPEGlkSMDAdWZQCRwSa6OCNooEjklaZlUAyOAGb3OABn6AU+ja9uv6X/AMw7X6frb/I881qHUviVoFto974avtGhe5hmvJb9ov3axuHKx7GJZjjAOAACT7VY+MwluPhhf6XZp5l7q0kNjbRjq7vIv8gGP0Bru6oyaRbzaxHqVyXmmgUi3VyNkGRhmUf3iOMnJxwMAnKaTVul/wCvyGm079Svp/hzTbTSrO0msradrW3jg8ySFWLBFCjkj2q1Ho+mQyLJFp1ojqcqywKCD6g4q5RVNtu7JSsrHL2Pw18G6bq8eqWHh2xgvopDIlwkeGVj3z681i/EHStb1Pxh4QutJ0S5vbbSNQNzdTJNAgClNuFDyKSefSvQqKW1vLUe9/Mw/EWualosFpNp/h281hJZNtwlrJGJIFx97azANzxgH8aybDRrnWviFD4tv9Ok0xLOwaztoLhkM0hdgzO4QsFAAwBknkk4rsqKFo7/ANbWB6q39dzzfRdH1rwF/wAJJpmk6RNqVrqN3JfaXJC6BY3lHzRybmG0KwznByD68V0fw98JjwT4G0/QzIs00Kl55V6PKxLOR7ZOB7AV0tFC0VvRfdsD1d/n94UUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAf/9k=)![Chart, surface chart

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAkACQAAD/4RD4RXhpZgAATU0AKgAAAAgABAE7AAIAAAAPAAAISodpAAQAAAABAAAIWpydAAEAAAAeAAAQ0uocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEFiaGlqaXRoIFNoYWppAAAABZADAAIAAAAUAAAQqJAEAAIAAAAUAAAQvJKRAAIAAAADNDEAAJKSAAIAAAADNDEAAOocAAcAAAgMAAAInAAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADIwMjE6MDU6MDcgMTE6NTU6NTQAMjAyMTowNTowNyAxMTo1NTo1NAAAAEEAYgBoAGkAagBpAHQAaAAgAFMAaABhAGoAaQAAAP/hCyFodHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLjAvADw/eHBhY2tldCBiZWdpbj0n77u/JyBpZD0nVzVNME1wQ2VoaUh6cmVTek5UY3prYzlkJz8+DQo8eDp4bXBtZXRhIHhtbG5zOng9ImFkb2JlOm5zOm1ldGEvIj48cmRmOlJERiB4bWxuczpyZGY9Imh0dHA6Ly93d3cudzMub3JnLzE5OTkvMDIvMjItcmRmLXN5bnRheC1ucyMiPjxyZGY6RGVzY3JpcHRpb24gcmRmOmFib3V0PSJ1dWlkOmZhZjViZGQ1LWJhM2QtMTFkYS1hZDMxLWQzM2Q3NTE4MmYxYiIgeG1sbnM6ZGM9Imh0dHA6Ly9wdXJsLm9yZy9kYy9lbGVtZW50cy8xLjEvIi8+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczp4bXA9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8iPjx4bXA6Q3JlYXRlRGF0ZT4yMDIxLTA1LTA3VDExOjU1OjU0LjQwODwveG1wOkNyZWF0ZURhdGU+PC9yZGY6RGVzY3JpcHRpb24+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iPjxkYzpjcmVhdG9yPjxyZGY6U2VxIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpsaT5BYmhpaml0aCBTaGFqaTwvcmRmOmxpPjwvcmRmOlNlcT4NCgkJCTwvZGM6Y3JlYXRvcj48L3JkZjpEZXNjcmlwdGlvbj48L3JkZjpSREY+PC94OnhtcG1ldGE+DQogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgIDw/eHBhY2tldCBlbmQ9J3cnPz7/2wBDAAcFBQYFBAcGBQYIBwcIChELCgkJChUPEAwRGBUaGRgVGBcbHichGx0lHRcYIi4iJSgpKywrGiAvMy8qMicqKyr/2wBDAQcICAoJChQLCxQqHBgcKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKir/wAARCAFqAj8DASIAAhEBAxEB/8QAHwAAAQUBAQEBAQEAAAAAAAAAAAECAwQFBgcICQoL/8QAtRAAAgEDAwIEAwUFBAQAAAF9AQIDAAQRBRIhMUEGE1FhByJxFDKBkaEII0KxwRVS0fAkM2JyggkKFhcYGRolJicoKSo0NTY3ODk6Q0RFRkdISUpTVFVWV1hZWmNkZWZnaGlqc3R1dnd4eXqDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uHi4+Tl5ufo6erx8vP09fb3+Pn6/8QAHwEAAwEBAQEBAQEBAQAAAAAAAAECAwQFBgcICQoL/8QAtREAAgECBAQDBAcFBAQAAQJ3AAECAxEEBSExBhJBUQdhcRMiMoEIFEKRobHBCSMzUvAVYnLRChYkNOEl8RcYGRomJygpKjU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6goOEhYaHiImKkpOUlZaXmJmaoqOkpaanqKmqsrO0tba3uLm6wsPExcbHyMnK0tPU1dbX2Nna4uPk5ebn6Onq8vP09fb3+Pn6/9oADAMBAAIRAxEAPwD6RpDS0hoAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAFFFAooAKKKKACiiigAooooAKQ0tIaACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACio5LiKJZGkkVREm9+furzyfyP5UguEaaONQ7eZGZFcIduBjq3QHngd+fSgCWioE+1ukDSeTCwJM8a5kBGDwrfLjnByQeARjnIQ2iyRlLp2uF80SrvAGwhgygYA6EDGeaAHTXcEEU0ksqqtupaU5zsGM8j6U2C9t7mTZBKHbBbAB6Bip/UEVMERWZlVQzfeIHJ+tVNJBGnAMiIfMk4jAA/wBY3ozfz/AdAAXaKgjgkgW3iimzDEmx/NDPI+AADvJ6+pIOaWOfMYM6G3JkZFWRly2GIBGCeoGQOuDyAcigCaiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAFFFAooAKKKKACiiigAooooAKQ0tIaACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKia4jDwqNzecSFZELL0J5IGAOOpx6daAJaKr+dcPHmO12sJdhWaQLlA2C427u3IBwTwDjssls8qXCPcShZuF2YUxDGOCOevOT60ATMQqkngDkmoUvIpfIMJaRLhPMjkRSUK4Bzu6DORjPWn+RGLgzhf3jIELZPQEkDH4mpKAK6vcTJGyJ9nxIRIkyhiyAkcbWwM8EHnjqAekFxCWuUim1GVPOkLJEpVSQAPlBAzgEE9e5HTir9RSGQXEQR41Q53qw+ZuONpzx+RoAeI0EjSBFDsAGYDkgZwM/ifzp1FFABRRRQAVS0hdmnAeUYf3snyMWJ/1jc/Mqnnr078EjBN2qGilDpgMRZl82XlypOfMbP3SR198+uDkUAX6a0aSbfMRW2ncu4ZwfUU6igCu8EqLObaXEsrhgZsuqcAYAyMDA6A9STUnmkTyI8TJGiK3nErtbJOQOc5GATkAfMME84kpGVXQq6hlYYIIyCKAAEMAVIIIyCD1paiFuqzRuhZFjjKLGpwmDt7eo28emT601JZIVgS7O+WVym6GJtoOC3PXaMDqTjOB1IFAE9FIGDZ2kHBwcHoaWgAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigBRRQKKACiiigAooooAKKKKACkNLSGgAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKjluIYApmmjjDuI1LsBuYnAUe5PagCSiq73DMk4tYjJNCQu2QNGrHAPDEYIweoyM5HUGnkTmaQB0WIxgIQPmDc5J7Y+7j8aAJaie5hjMQklRTM+yMFgN7YJwPU4UnHsareWi6lZ+deKbhbeRRESFM3Kbn257EDtxu/O3FDFBH5cEaRoCSFRQBknJ4Huc0ARtNOySeVakOkgUCVwodcjLAjPYnAIBJGOM5oeKabz43kCRSJtQxZEiEg5OfyxxxU9FAEYgj89ZiCZFQoGLHoSD06dhzSxRRwQrFBGscaDCoi4Cj0AFPooAr2KhLGJVgktwF4ilYMyexIJB/M1YqvYlWsoijzOu3hp1KufqCAQfqBVigAooooAKhlQtdQMIIpAu7MrH5o+P4eOc9DyKmqvMqm8tyYZHK7sSK2FTj+IZGc9BwfwoAsUUEgdTioWu4Eklj81WlhjEskSfM6qd2DtHPO1gOOdpx0oAmoqFZXeSIpH+4eMszsSrKeNo2kZ5BbOcYx054aqXLLAZZkV0cmURp8sgwQBzyOSDn296AJyQoySBzjmqelOXsfnmaZhJJlnRlP32wMNzx09DjI4xU32O3KMjxLIrSiYiT5xvBDAjPTBAIx0I4qjplrDJpM3ktBE9w0qPPZFQfvsAQwGNw/Q5oA1aKj3S/aNvlr5WzPmb+d2emMenfNEE6XFvFNHvVZUDqJEKNgjPKsAQfYgEd6AJKKKKACiiigCFrWMoVizBulWVjF8pYhgefXOMH1FJJK9stxPP80Eab1WKJnkwBluBksfQAZ+tT0UAJuG7GRnGcUtM8mLz/O8tPN27PM2jdtznGfTPaq5aezSzgiilu0yI5ZmkG9Rj75zjdyOcevSgC3RUcM6TIWTeAHZPnQocqSDwQOMjg9CMEZBBqSgAooooAKKKKACiiigAooooAKKKKACiiigAooooAUUUCigAooooAKKKKACiiigApDS0hoAKKKKACiiigAorl/GWqXUGnSWdva3sSyTWsZvUZVjIkuI42j3Bt6kqxG4LxnIOQK5uK3kPjxPDVxc3kemlPOaBNSnchthIPnlhJ1H3c44oA9Morm/DN/LD4Rmnn+03YtL69gQLmWUxRXcsaDk5chFXnljjuTzqWeu6Xf2D3trfQtBE/lyszbDC/GUcNgowyMqwBGeRQBoUVC0/7yWKJGaaOMPgqVVs5AG7GM5U5AyRxkcjL0aUhN6KuVy4352txwOOR1546e/AA+ioTFI5hLzMpjcswjACycEYIOeOQeD1A7cUhsrdkZJYhKrSiYrKS4DhgykBs4wVBGOhGRQASXYRbjy4pppIE3GNEwX4JAUnCknGOvHfFJBPNN5TNbNDHJEHIkYb0Y/wEDIyPUE9KsVXsN/9nW3medv8pd32jb5mcD7+35d3rjjPSgAjglCW5muXeSJcOVAVZTjBJHb1wKlihigQrBGkSlmchFABZiSx47kkknuTT6KACiiigCNvN+0Jt2eTtbfnO7PGMdsdc/hUlRPCjXcUxhiaREZVlI+dASuQOOhwM8/wjr2loAKKKKACiiozPCLhbcyoJnQusZYbmUEAkDrgFhz7j1oAjsZVmsopFuo7sMuRPHja/uMcVYqlZX4v7O0urJkubefkzLlAFwcMFPPUAY981a/eleNiHd7tlc/hgkfl70APoJ4qvJaCZLhJZZmjuBtKh9mwYwdpXBHrnOc9MVJ5EX2g3HlJ5xTYZNo3bc5xnrjPagBkd2Jlt3iimMc6bw7Js2DAI3K2GBOemM+uKryC4a4tBJctFJ5rnbDEWjkTnAYkfKcY5yOc4q/UE0jLeW6CRlD7sqIiwbA7sOF/Hr0oAGtI5FmS5/0iOZwxjmAZVwAMAY6ZXPOeSanoooAKKKKACqmmLItiBNG0TeZJ8rMScb2wcknqOevft0q3VLSYRb6eIxC0H7yQ7GC55kY5+UAc5z68885oAu1G0MUkscrxo0kWdjlQSmRg4PbipKKAK4WW3jVY91wWlJYyOAVVmJ445AzgD0A5qSOdJZJUXdmJtjbkKjO0NwSMMMEcjIzkdQakqOeCK5haG5iSaJxhkkUMrfUGgCSio9souHfzFaMoAke3GGBOTu98jjHGPek81xNHG0LfOhZnUgohGOCeDk5OOOxzjjIBLRRRQAVXumUeTukmTMqgeUpbcfRsA4X1PH1qxUF1I0fk7ZGTdKqnbEZNw9OPu/7x4FAD5YYp9omjSQI4dd6g7WHQj3HrUbrLAs8kO64kchlidwqrwBgHHA4z35JqxRQBGJkNw0A3b1QOcoduCSBhsYJ+U8A5HGeoqSkZVdGR1DKwwVIyCPSokgMLQpblIraKMp5KxgDttx6AAEYx39qAJqKiaWRPKDQsxkcqTGQQgwTuOcccAcZ5I+tLFPDOZBDKkhifZIEYHY2AcH0OCOPegCSiiigAooooAKKKKACiiigAooooAUUUCigAooooAKKKKACiiigApDS0hoAKKKKACiiigCOeCK6t5ILmJJoZUKSRyKGV1IwQQeCCO1Z3/CL+HxpZ0waHpv2AyeYbT7HH5W/+9sxjPvitWigCO3t4bS2it7WKOGCFAkcUahVRQMBQBwABxisKw/5KRrf/AGDLD/0ZdV0Nc9Yf8lI1v/sGWH/oy6oA6GiiigAooooAKr2DK2nWzJJLKpiUiSddsjjA5YEDBPcYHPYVYqCxk87T7eT7RHdb4lbz4gAkuQPmXBPB6jk9aAJ6KKKACioDdxtHvg/0geb5TeSQ207tpzz2Oc+mDSSPdFbgQxIrrxC0j/K/AOTjkc5H4UAK8YbUIZPs0blY3UXBxujyV+UcZw2Mn/dFT1TkgDatHKzXRzA6BVfEScjJIH8R4wTnAU4xk5lSzt4/IIjDPboY4pJDvdVOMjccnnAzzzjmgAW7V0jeKKV1eQxk7CuzGQSQ2DjI698jHHNIy3TpKBJHEfMHlsq7vk4yCD3PzD8qsUUAQvbJK0wnJlimjEbQSAFMc54x3zg5z0FSqqooVAFVRgADAApaKAI4PO8lftOzzcfN5edufbNSVXsYxDYxRrapaBVwII8bU9hjirFABRRRQAVBNIFu7dDcxxl92IWxulwO3PbrxU9Rv5vnR+WE8vnzCxO4ccYoAkoopk00VvC0txIkUa/ed2CgfUmgB9FRNcDzZYYwzSxxh9uCAQcgfN06qfpxnqKRGuGeEsiIhjJlUtllfjAHYj72T9KAJqoaMiJpgWOJol82U7WXaf8AWNk42r169O/U9TYW0AWESzTStC5dXZ9pJIIwwXAYYY8EY4B6gGqGkQINJY6fIiNJdSPJKU3Fz5p3Z+Y5OBtznjjgY20Aa1FQSXBgFxJPGVghTf5i/MWGCT8oGeMfjUwOQCKAFooooAKKKKAIFs44lhS2/wBGjicv5cKhVbIOQRjpls8Y5FBme3R3usbfNCx+UjMcEgDIA9TyegHPrU9FABUF1II/Jzcx2+6VVG/H7z/YGT1NElpG3ntEPInnTY08SqJOAcHJBzjJxnIpJWuhcRRwxI0fWSWRunPQAd+/pQBYoqOCZLm3SaLdskUMu5SpwfY8j8akoAKKKKACo5ojNHsWV4juU7o8Z4IOOQeDjB9jUlFAEEkk0XnyGMSxom6NIv8AWMQDkc8emKmByoOCM9j2paj8iE3AuDEhmVCgk2jcFJBIz1xkDj2oAkoqvHHPClvGsnnKvEskx+dhjg8ADOcelSQymVWJjePa7LhxjODjI9j1FAElFFFABRRRQAUUUUAKKKBRQAUUUUAFFFFABRRRQAUhpaQ0AFFFFABRRRQAUVz3ifUXks7jS9Lln/tHEUskcKsrmDzF80I46MY94GCGyRjBwa47T557/wAbjw60mtWmkMvnLBcahOtwTsJyZd/mqMj7u7HHTmgD1KuesP8AkpGt/wDYMsP/AEZdU7wnes3ht3vrlmFvf3lqks8mT5cV3LFGGY8sdqqNxJJPJJJJpth/yUjW/wDsGWH/AKMuqAOhoqOeaO2haWYlUUZJAJx+ApDMfNkjWKRmSMODjCtnPyg+vHP1FAEtFQp57vDI22JPLPmQlctuOMfMDjj5geDnI5GOWra/LD5088zRSFw5fYSTkYYJgMAGxgjHAPUZoAV7y3RHfzQwSQRPs+YqxIABA6feH0zmo4pbo2rR+Qi3ccKnqfJLkdA2M4BHpnGKtBQucADJycd6gsI1i062jS2FoqRKot1xiEAD5BjjjpxxxQA8LN56sZFEWwho9vJbI53Z6deMd6ZHZW8aW4MfmG2H7p5mMjpxjO5snOCQTnJzViigBAAOgxS0UUAV5GUahCpmkVjG5EQX5H5XknHBGeOR948HHFioXci9iQTxKGRyYSPnfBX5gc9Bnng/eHI7zUAFFFFABRRRQBXsQosYgiTou3hbh2Zx/vEkkn6mrFVbKeJreBBdtcPJGXVpcK8iggFtoA6ZHQDqPWnJcPIkDx28m2RiH34UxjBOSD7gDA/vZoAsUyaWO3gkmnkWKKNS7u7YVVAySSegqIx3E0bK8n2ciUFWhIYsgYHB3LgbgCDjseCDgh4t4xJK53t5oAZWdmXgY4UnA/Ac96AF85PtHkZPmbN+NpxjOOvT8KqEyXNzp1wtgpQqzO8+BLb5XgAc8noeav1XmCfbLcss5YbtpRmCDj+IA4PtkHmgAEM7RqJblgyyl90SBdy7iQhBz2wCRgnGeM4qRLeGN5WjhRWmffKVUAyNtC5PqcKoyewA7VJRQAUUUUAFU9LZ2sAZZDK3mSfMRjje2B91eg46dup6m5VHRxjTRhYV/ey8QABf9Y3oSM+vPXPTpQBeqPyVNwJ8vvCFMeY23Gc/dzjPHXGakooArxm5iS3jlAncjE0yDYAQOu0k9T2ycZqWKWOZS0MiyBWKEo2cMDgj6ggin1FJbxyqqneoVxIPLdkyQc84IyM9QeD3oAloqu7y263E0uZkHzRxxRneBgZHX5jnJ7dcds1KJYzMYg6mRVDFN3IByAcenB/KgB9FFFABVe6jWTyd1qtxtlVhux+7P98Z7j25qxVe6CHyd6zt+9XHkswwfVsEZX1B4oAkeCGWWOSSJHkhJMbMoJQkYJB7cEj8ajzcxR/MBcM0v8I2bULe5OcD88dBViigCOOaOSSWNCS0TBXypGCQD178EdKkqOeCK5geG4jWWKQbXRxkMPQikImEzvvVotg2xhcNuycndnoRjjHbrzwAS0VBHcgmBJlMU8yF/KPO3GMjI44yKnoAKKKKACo5oIbhVWeJJQrq6h1BwwOQRnuCMg1JRQBXgjnW6uWmk3RO4MK5HyDaAR0HfJ6nr+AsVXgjVLq5YWwiLuCZRjM3ygZOOeOnPpVigAooooAKKKKAFFFAooAKKKKACiiigAooooAKQ0tIaACiiigAooooAr31lBqNlJa3SlopAM7WKsCDkEMMEEEAgjkEAistvCGkNaJBsulZHMguUvZluCxGCTMG3nIAHLdAB2rcooApW2kWNrpP9mx26taEMHjkJfzNxJYsWyWLEkknJJJJ5Nc3oei2enePdatrPz44FsbCVI/tMhCYkusKuW+VOPuD5fauxrnrD/kpGt/9gyw/9GXVAG7HBFFJK8Uaq8zB5CBy7YC5P4KB+FSUUUAFFFFABVewCjTrYRiZU8pdouCxkAwPvlskt655z1qxUFg6yadbOlw10rRKRO4AMowPmIAAyevAA56CgCeiiigAooqv9siMZePfKBL5J8tCxDbtpz7A9T2HNAD2En2qMrHGYwjbnLfOpyMADHQ855HQde0tUJxPLesIbTy5o4nWC9lCuikhTjaGDEE9uPudRxVvy2+0GQzOUKbfKwNoOfvdM57dce1ADjIiyLGzqHfO1SeWx1wKhW6EsaPbI0ymUxsQQNmCQx5xnBGOKfDbQQRQxwxIiQoEjAH3FAxgfgBUtAEDfa3WYIYYm3jyXIMmVwMll+XBzuGAT2PtSvaxSSStJucTRiN0ZyUKjP8AD0BO45IGTxnoKmooArWKr9jgbfBMyx7RLAm1SP8AZGTgcDuelWaitVdbaMSxRwuBzHE25V9gcD+QqWgAooooAKgmdReW6m4eMtuxEoBEvHckEjHXgj8anqGRnFzCqzRIrbt0bLln4/hORjHfg/hQBNRRRQAUVHPPHbQPNO4SNBlmPYUhn/fPEschZED524Vs54DdM8dPcetAEtU9KUrp4DRNCfMk+RnZj99uctzz19BnjjFTIbiRoZCFhQxkywuuXDHGBuDYGOQeDnjBGOaWlFl06EWibozcS+Z5zKrKN75ICDBO7HHHByTnqAadFRxTxzNIsTBjE+x8dmwDj8iKkoAKKKKACmtGrbjjBZdpYcHH1/GnUUAQIkkBghiAaBIyrPJKzPkYC9c7s85JOenXNLHdRvGjPmLe5RVlG0sQT0B+hI9uampGRXKllDFTlcjofWgBagunVPJ3XDwZlUDYAd5/unIPB9sH3oaOSBJWtR5skkgYrNMwUdAccHHAyABjPpkmo7i78uTb5qW4jKs8k8Z2OpzlVbIG7j3x6c0AW6KQEEZByD0IpaACiiigAqBYJIUjS2lwokLSedukZlOSQCW45Ix1AAxjpieigCEXG0StcL5CI4VXdxhwcYI545OMHnI+lTUjosi7XUMM5wRmongYNNLBIVmkjCr5hZ0UjODsyO55xgnA54FAE1FRCUrMkLqzOyFi6oQnGAeex54Gex9KfHIksYeJ1dGGQynINAEMAX7Vc7RMG3jcZCxU/KPuZ4A9cd8981YqvA6tdXKi4aUq4BjIGIvlHAwAeevJPX8KsUAFFFFABRRRQAoooFFABRRRQAUUUUAFFFFABSGlpDQAUUUUAFFFFABRXIXPi3UoH1uOTT4bd7S5tLa1DvvJ8+RYxI4BxgFt20HkDGQTxAfEfiAeIx4ZMmm/2iQJRe/ZpPJ2bSdvleZuzx13/hQB21c9Yf8AJSNb/wCwZYf+jLqrvh3U5tX0f7RdIizx3Fxay+WCFZoZnhLAHJAYxlgCTjOMnGapWH/JSNb/AOwZYf8Aoy6oA6GiioprmC3hllmlRI4RmRi3Cd+fSgCWiojN++eFEYyKgfJUhDnIA3Yxnjp1HHqKan2pjA0nkxjYfOjXL/Pxja3HA56rzx0oAnqpDd7dPjkllS6cBFke1jJVmOOQoLEDnPU4HfvUi2oZI/tLtO8UhkR2ABB5x0wOAcf/AF6SxgEFnEptoLWQopkitzlFbaBgHAyBjAOBwBwOlACvLPmZIbfLIgaNpHCpIxz8uRkjGBk7e/GeacElMySNIVAQq0IwVLHHOcZ4wR2HPTpiWigCulnEiW4bdIbc5jeRyzA4Izk9TgkVYoooArybf7Qhz52/y3xt3eXjK53ds9MZ5+9jvVioJJFGoQobnYzRuRBgfvMFfm9flzjj+9z2qegAooooAKKKKAK9iix2MSJbNaqF4hYglPbgkfrViq9kyCwjZGm2Bcg3AYPj/a3c/nUn2iHz44fNXzJEaRFzyyjAJHsNy/mKAJKKrrNcSLCy23lhnIlWaQBkXBwRt3BiSF4yOCTnIwRoZZY3WeXA80OhhyhCgggE5OenPQEHGKAJndY0Z5GCqoyzMcAD1qCSQnUYI1t1cbWdpmBGwdPlO0gk+mRxzzTzaQM0xeJW89QsoYZDgAjBB47mmyopu7djbvIV3YlUgCLjuMg89OAfwoAWOW4kS3f7MIhIMzJLIN8XHTC5DHPB5x3yaT7MzRhZbiVyJfMDBthxuyF+XGVHTnqBzmrFFAEccEcUkskaBWmYNIR/EQAM/kAPwqSiigAqlpLFtPBMrTfvJPnZWU/6xuMMSeOnXHHGBgVdqlpBzpwy8T/vZeYSCv8ArG9FXn14655PUgFmaCO4i8udA6bg2D6ggj9QKY6ToZ5YX81jGPKgkIVAwz/EFJGcjJ5xjges9FAEQnQTJA7KJ2QvsBzwCAT9MkfnUtFQJaiBLeO2doYYf+WYAIcYIAJPPUg8elAE9FV/tapHvula2Hm+UvmsvzkttUjBP3jjHfnkCrFABRRRQAVBdRGZET7PDOpcb1mOAF7kcHJ9uPrU9QXSK/k7rd58SqRsIHln+8ckcD2yfagB3lMLhXWVljVCvkgDaTkYPTORgjrjn6UxJ5FW3W6h2TSnaRDukRDgnlto446kDnA71YooAKKg+yhIyts7QbpfNYqAd3zZYc568j8eMUSXBtkuJrzyobaEbhL5mflAySwwNuOe5459qAJ6KKKACiiigArivih4og8EeBZdRiJjug3kWMMbbQ8zqVAKgjIAJbHbbntXa189fFCS6+J/xp0nwVoyO9npKM99OgBVSzKJGPzYwgVVHQ7iw7ilK9tDSkoua5tup6F8Fm1q58BjUPEGrT6lNezGaH7RJvaKPACjOT1xuxxjdXodUtMsItMt/slraw29tCESHy2yXUKBlhgYIxjqeADnsLtCVlYVSXPNyta4UUUUyAooooAUUUCigAooooAKKKKACiiigApDS0hoAKKKKACql5pdpfz2013EXktZPMhIdl2tkHPB56DrVuigDnNS8LNfS6rKt0Ee9ktJosx5Eb27h13c8gsoyBg4zz3qifCesHWv7fOpWP8AbAwg/wBFf7P5e0j7nmbt3PXdj2rsaKAMfTdDksPDr6f9sdbiWWa4e4hG3bLLK0rbQc4UM5ABzxwSaxtBh1WD4h6wmoXlvdFdPsgZFgKM8e+625+bG7PJIAHoBXY1z1h/yUjW/wDsGWH/AKMuqANn7O7R7ZbiRiJfMDLhTjdkLx1GOPcVKsUaO7pGqtIcuwABY4xk+vAA/Cn0UAFFFFABVewUJp1si28lsqxKBBIwZoxgfKSCQSOmQT9TViq9gVOnWxjaZ1MS7WuFZZGGBy4YAhvUEA57UAWKKKKACiikJAIycZ4HvQBGxk+1RhXjEe1tyEfMTxgg56DnPHcdO8tUZJ911HNDYtP5bNC0hXZJHlkB2hwMpjLEg9E4DHAqaUXMqXMSFbfKYhnU7iCR1KkY4PbnNAFio3nijmjieRVklzsQnlsDJwO9Hlf6R5vmP9zbsz8vXOcetEEKW1tHBCCI4kCICxJAAwOTyfxoAYLrfGrwwTyAymJgU2FcMVLEPglcjqM5GCMg5pHjuZEnXz1j3MPJeNOUXAznOQTnd6cEemTYooAp2UUE1uLgTLeGaJUafgiVQWxwOP4j0q0iLGipGoVVGFVRgAelNtzKbdPPaN5MfM0YIUn2yTUlABRRRQAVXmK/bLcM04Y7toRWKHj+IgYHtnHPSrFQTSKt5bobpYi+7EJxmXA7Z5468UAT0UUUAFFFRz3ENtBJNcTRxRRAtI7sAqDGcknpQBJVPSg66eBJH5beZJ8oI/vtg/ebr16/gOgsGYee0Kq5dUD5KMFIJIxuxjPHTOfbms7Q5dmm20U1rJbTStKzRBHZUO8lvnKL3PGQM9s9aANWikBBGQcj2paACiiigAqvJa/JcG2doJpxzKPmKnGAcHjirFFAEfmsJ2QwuECbvOJXaTk/L1znv0xz1pYZo7m3jnt3WSKRQ6OhyGUjIIPpin1G0KPPHMwO+MEKdx4z146HpQBJVe6Kjyd7Tr+9XHkqxyfRsA4X1J4pRJcRIgmj853lKkwgAIuTgncewwDjPPQY6RzXcDOES+iiaO4WJ13KSXIDeWc9CQQcdcEUAW6KKKACiiigCPyE+0GcDEpTZuz2znp070yMywi3gkElwdmJLjCgZAHJGRyfYEfSp6KAI4Z4riMvBIsiBmQshyNykqw+oII+orjfip4kfw94SC2t79iu7yURRSqG3gD5m2EA/NgcZ610uvajYaNotxq2rPstrBDcM2/b90HAHIBJzgA9SRXzz4y8Sf8ACffEMXF0JbbQdFtpDHFJtDrMAvmEmN2BZdwwe3IxkGuPGV40aMm3Z2du/wAjrwdJ1K8Va6ur9vmdI3xc1m08GzWOpBl1q6/d2N4ijKgnkuoGAyr82eh6ZyAW0f2ePD6QeHdV8UTgy3es3jhJ5GLSGGM7Ruz0JfeTgnPy+nHiHh03nj34gR2aSCbaBbW8YIyA2PMc7c5G0Nlhx0OBX2NpemWmi6Ta6bpsQhtLWJYoYwc7VAwBWeD9u43rPVL/AIP5WOzMPq0Ulh1u2/ktPlrd/cPgULdXJFvJGWcEyMwIl+UcgAnAHTkDkH6mxVeAqbq5CtMSHG4SKwVflH3CRgj1xnnPfirFegeQFFFFABRRRQAoooFFABRRRQAUUUUAFFFFABSGlpDQAUUUUAFFFFABRWTZ+JtKvptUSG5UR6UcXU8nyxLwSTuPBAwcnoMH0NVE8ZWFxplpeWFre3bXks0cFtHCElbynKudrlduCvQkH2oA6GuesP8AkpGt/wDYMsP/AEZdVraXqUGr6el3bB1Us8bJIMNG6MUdD2yrKynBIyOCRzWTYf8AJSNb/wCwZYf+jLqgDoaKKKACioJL23jS4bzQ5thmZIgXdOM42rk5xyBjJp5aX7QVEY8vYCJN3Vs9MflzQBJVexlWbTraVbqO7WSJWFxHjbNkA7xjjB68cc0saXJFu00qKyp++RF+VmwOhPIAOfzqO2slWzgW7jjkljbzSTlwspyWKlskDLHHoOKAHteR7Zvs/wDpLwOI5IoWUsjEA4OSMHawbB7EeopztcF5ljSNQIwYpGbOXOcgr2AwvOecnpipqKAIlicyxyySsGWMqyKfkYnBzjrkY4+ppqWdvGkKiIMIGLRGT5yhIIyCcnOGIz6Eip6KAK8iqdQhYwyswjcCUN8icrwRnkntwcYPIzzYqCRlGoQqZJgxjchFUlG5XljjAI7DIzluDjiegAooooAKKKKAILKPyrOJPs8dttXHkxEFU9hgD+VT1XsVVbGIJFLEoXhJm3Ov1OTn8zVigAoqNpkW4SE7t8isy4QkYGM5OMDqOD15x0NRrPNIkTJbMoaQq4kYKUUZ+bjOckDj0P4UAWKguZjb4mklhito1Z53lONqgZznoAO+e1DQSukivcuN0gZDGoUqowdvfOcHJ9DUb2kf9pR3Itlkcggyu+TEADjaD0zkg4xnvmgCYXEZnWJdxLoXVghK4BH8WMZ5HGcn8DTEknmS3kWPyVbmWOYfOowcD5SRnOPXvViigCv5EjR7Zbl8+b5gZAFO3dkIfUY4PrUqQxRySSRxorykGRlUAuQMAk9+ABT6RmCKWchVUZJJwAKAFqhoro+mAxSGRfNlG5mDHPmNkZBI4PHX8ugyPHHjG08I+BLzX/MjmxEPsahwRPI4/dgHPIOcnGflBPavH/Af7R8NpoptfHcV1PcW4wt7bIHabkk714AOMdK66OCxNem6tKDaW9iXJJ2Z7/8AZI0WNYP9HRJDIVhAUMSSTkY7kkn1NI1y0KSvcRFUVwqGMNIzg452gZHJI78DOfTj9A+MfgjxHqUdhY61HHdSKhSO5Uxbmb+AFuCwOBjPJPGa7iuaUZQdpKzKDNFQvbrumlgVIrmWMIZtgLYGdufUAsSB7n1pQZlmjjKB08sl5d2MMMYG33yT7Y96kCWio4JkuIVlj3bWGRvQqfyIBFSUAFFFFABVe8ha4iWMFdpdS+WYEqDnggg54FWKguoxJ5ObaO42yq3z4/d/7YyOooAV3mjeZ9okiWMGNEHzs3ORycc/Ljp3zSrcxGWOF3WOeSMyLCzDeVGAxxnkAsoJHAyPWpaKACgkAZJ4rkvEXjnSvCTW9lLdtf33mbWtIh5lw2VLDOMKn97L4G1WIzivG7/xbrvjW4jTxlJd6Po1wXkNnbgiMW21gGldCSc9MttQgknO3nOpUVOPM1f0MKmIp03aT17dT3a78a+FdPu5LW/8S6Pa3ERxJDNfxI6H0ILZFcF4o+If9q65JZeHdRubfTdKtWv9SureIrJIgVtqxlxhlbGQy5Bx1wc1zE19pel6Ekt59ns7K8T+0rmFNqKbdQTDbqvAJfbgqOoDqeuaxEHizSPCF94g1KxtIpdS1CC8ltLwsk8rht0cSBc55WMAY3HkHHWvn8Vmk5U3GC5W3Za6vXp+P4dxUqrq9LHQ+I/FWuL4YlsdYvIxp0A3S37EO0tzEodoAxAVk3jaG+8WUrj5a8zNjeXWmtY2cR1G1uv3Mdz5wP2hw5G5yG+VGma4IPJYL04rvbTxA09lZaIkN02pNK0QjaHA8/cxmu5CMrxIJCqZ+8M9MVjaBbWVxDYaHoty0lzfXjBpJAyOUVRBDLk/NggCRf4QWIHAxXiUsTiq0lGoryTSX42fk/O++h79K0I+7t1f5no/wR+H1jo3hY6zd2yG91Lc0bhuVhIwCCMYLctnAIVgMAg59VVJI5YkjKfZ1jIYNktu424PpjdnPPSm2NpFYWEFpbqqRQRrGiqoUAAY6DpU9feQioRUTy5zc5czKljc/aXnJl+ZXAa3bbvt/lB2ttJ5P3vowq3Uaed5snm7PL3Dy9uc4wM5/HP4VJVkBRRRQAUUUUAKKKBRQAUUUUAFFFFABRRRQAUhpaQ0AFFFFABVS8gvpZ7ZrK9S2jjkzOjQeYZVyPlByNvfnnrVuigDF02yuIPFWuXUsRWC4Fv5T5GH2oQ35E1z1pp2paSulX0mm3Fx9kvtSaSC32tJtmndo2AJAwQQeveu7ooA57w9Z6lY+FZVjhjivZ7y7uo4rknCCa5klUPtzghXGQM4NZ/h6/u7n4ja2l/pstnMumWW751ePiS5xhh1yG9OzDtz2Nc9Yf8AJSNb/wCwZYf+jLqgDaRbpktzLJGjqczKikh+DwCeRzg59qPscbxlLn/SV83zVEyq2xg25ccfwkDB6jA5qeigAooooAKr2EQh062iW1jtFSJVFvHjbCAB8gxxgdOPSrFV7AKunWwRJkURKAtwxaRRgcMSSS3qSSc9zQBYooooAKKKKAIHkxfwx/aY0LRufIIG6TBX5hznC554/iHTvPUEsvlXlurNCqS7kG9sOz43BVHf5Vcn6fWkNzvjc20ZlZJRGyn5McjccnrgHPHXGKALFFQSLdOtwsbxRZTEEhUsVbB5ZeMgHHGefan+Sv2gTEvvCbMb224zn7ucZ98ZoAV5oo5Y45JEWSUkRqzAF8DJwO/HNRieV4w0ds+fNKMshCkKGwX75GBkeo9KfBbw21vHBbQxwwxKEjjjUKqKBgAAdBjtUlAFC0SW409l+1S7HA8mfbtl24HLBlADZz26Yq0beNpnkYMxkQRsrMSpUZ/h6fxHJxk8Z6Cm2b+bZxP9ojudy586IYV/ccn+dT0AMiijghSKFFjjjUKiIMBQOAAOwp9FFABUEwU3luTHMxG7DIxCLx/EM8+2QfwqeuL0j4l+HNd0W91u2v5IrTS5riOdcDEgjzhjkZAYYK8jJOOelOzYHaVmeIvEFh4W8P3WsavIY7S1Tc5GNx9AAepPYV81/E343TeJIfDv/CMzS2bWwW9u1R2XbcAkCM4IyowT7hlPrWd8TfjZdePfD1ppFlAtnaGKOW/PUyzAAlVz0RT+Jx6dfYw+T4mtKCaspX+SW5m6iVz2ax/aI8BXt4kEl1e2gcE+dcWpCDAzztJP6VxHxW+POi634T1Pw94VeaSW5lW2ku2TbG9uRmQrnnnGzBA4JPpXzqDIyhSoAzjOevenBvLYY2qoUD5m6V6tLKMPGpGrd8qtuuv3bd/8tSHUdrFs6xdrpyaYt/cNaJKZEtPOYwhv7wTO0Hk84z1qqXkGSV3dGYdB9aaWEaOAm4nkFenHNSYZ9rI+0npgdB719DT5pXhB2a15Yq2+nXST212d7eZi+45l2qcrvVR8/vnr/jXbSfGLxxJZaZENfuI4tMGI5IT883b94TnzMDgbhz1OTzXDQvKtuqImQMZwcHFOhkQFRI6ggH5Afu/X8KupDCYuVNVVa605lontZN7pdurV9NRXlG9j2CD9pHxpHOoMemXkezn/AEdkJP13H+Vdj8Rfjfb6h8PtOj8JX7Wur6kqyXAgfL2KgncpOPvFl249Mn0z85oyq/y4LOu4jGNvPr6f1zVqOFl3ySsghGPM2nGT7HPXHWuP+xstlKnWjrZvmS2trbdu22u7tfqS68oqx9dfD74j6d4v8FtrmvRwWDaROIJbi5kTaJfLALqf4SRIVx15I71I3xn8FQ28kg8QRXRDhsLbSpsjLYP8POBk++O1fI4u7S3dZoNu9W2wJGPvY+9ntz056de9Et9eTzFUwHyZCCh6L0HPXk9O3XrgjwauTUVUlyzum9FFXsntrf8ApWelxfWqmlo/f/X9M+qdE+PPhfVtYls7pJtLh8yKOC4vCqiUybsEj+EArgk8AsucZr0ia9tba4gguLmGKa4YrDG8gVpSBkhQeSQOeK+FLeeGe7mjlm81dhC+WGO7d95gB07D2xXWr441nV9RsJru9afVdLgVbPUZHCGNByW3kZZiMk8HI4ORnPNXymKadKas777q3e3cn6/yRbnHa39antXxd+Il1p2/w34cmaC9kKJc3cbfNEHPKIez7cnPYY9RTdP+L1ja+D4odb+1Xev2bJDHDAjk3km393IxUBQGOcgnqG4xivFLrUdW1y+XUw0cl1cSS3bs4L+bzjcATwOyZPAwOlTXEdpHJcXRP9oBsRWwmiUtLK6rkbQBux349j9wVs8touhGO0t2+m13/X+Z5VTNK0K7a1Wtl87L+r9+x6x4e8deLLa8FzqdyupQAFr+ARqFikLf6uAqMkIC2c7slQOuRUnjz4mPq982ieFrmWHT4kd7/U4XKOwVA3lxHqAS8YLj++MdyPKFt9Sexa0jLpp5MivFc3bOJJFOZZDjqM5XaeCzcDPJtR6PrlpCptns7O306GASRQoWczM7SFYwwAVzuiYjGDiPrjFefXw0ItOK2POp5piIU5U6lVNt6Pqk/S+t3p22udFY6Ulsk1vaxiG4uWTTw6DDGWXEtzICOCQijOT1hI71bvJmvb7ZY2Ul1FdTRr5cAUeXZW5yRjgbXcFQp6hmHQVzixPpUk5v7jUotRRnT7T9qYrAWAk2IEIWSRlwxLKFIj+bkZPRaDLcQ+GZbVVMHiG8HkwxyIC8UbH5HK9CihizHud2fmOD5VZOLbZw2ulNO9/x8/TZ3/RnIRsmvfEG0NroVvp1i1689/dTwImIo871OP4WVHVicq3mcjpXW68bLTYNOmFhHHdSXpfRrKSP9zbsf3cWUPCBmbzMgD7uODmsS8uRP9uV2miNrayxlbCNJHmbftQbSNvltsVfLIwRhRnLZu3emy6va2firxN4qGkXNu8gMxjj2W6q4UIICCXzIhOSTggHqOPlcbZy9pU0W3V6/JddtPlufYYfXkhErf8ACOatbWqaLaayss5ZbFXW1zuwIkd15wQCFj4H3Y3DDrXrPgL4eXuh64NQ1pLNF0+D7HpsVtltqYAaQseRkDAXsOTzWX8Nfh/4ks7yLU/GEtoPLladIolPmSuclXfnCcySsVHdyOgAHqYlmjjX7RFudpSo8nkKu47Sc4/hxn3r0MvwDp/vK6XNd2/r+rHvOtNQ5E9Ha5Yooor2jArwRBLq5cWscJkcEyrjM3ygZOO4xt57AVYqvAFF1clUmUlxuMjEq3yj7gJIA9cAc5+tWKACiiigAooooAUUUCigAooooAKKKKACiiigApDS0hoAKKKKACiiigAoqJ7mCNZTJPGohXdKWcDyxjOW9Bjnmq39t6V9h+2/2nZ/Zd2zz/tCbN3puzjPtQBernrD/kpGt/8AYMsP/Rl1W9FLHPCksEiyRyKGR0IKsDyCCOorBsP+Ska3/wBgyw/9GXVAHQ0UUUAFFFQzXUcUU7LmVoF3PFENz9M42juew70ATVXsGD6dbMs8lwrRKRNKoV5BgfMwAABPUgAfQVJvf7R5flN5ezd5uRjOfu46+9VdP+1T6fYT3d3E83kK0/2TBgmcqMlcgttzkrz0POaAL1QPeRhZyiyStA4R0RCTkgHj14YHj+lILKDy1R1MoSUzKZWLlXLFsgtkjBJwOgHAwABVigCJmmaSWNE2ARgpMcEFjnI25zxgH3zSLFL5kTyXDEpGVdFUBJGO35sckEYOADj5jnPBE1FAFNbSKK7tttsZTEkm25lfe8WSuVyxLfN/7KParlV5Av8AaEJInL+W+CrN5YGVzuGcZ6YyM/ex3qxQAUUVFcXENpbtPdTRwQoMtJIwVV+pPSgCWikByAQcg9DWP4q8VaV4N0CbV9cuBDbxDCr/ABSN2VR3JppNuyA1LcSi3QTrGkmPmWIkqD7ZAqRmCqWYgADJJ7V8qaL+0BrCfEK01C/cWfhdGaH+zLeNdsULYG7hcswIDf8AfQGAxFa/xu+NdvrGmQaB4I1EvbXKbr+4jUqXBA2xBuoHXdx6DONwPc8vxEakaco25lf5E86tc940bxr4e8Qaze6Xo2qW93d2ODMkTg8Hup6MBnBI6GvOPi78cz4H1M6H4ftIbvUlQNNNMSY4M8gbQcscZ4yMZFfLWk6neaLqEd9pV5NY3cWdk8EhR1PQgEc4IP40zU9Tvdc1a51LU7uS4vLly80r4yzHv/IcdO1ejDKlCcZTfMn06/PbT5kc+h7drn7Q2p3nwrsbPTbjy/EtxvhvbpE2tGijiRAOAzAjkYwckAcY8bs/EepWel6jpVjcyR2up+WbmMOwD7DkdDg/iDWYqurff5QcAdxS/Mh3Ar6DjrzXo0cHCnBpxaTld7dNra6W1/DuQ5NjiXkbMYA3DkGm+V5p3le3zADApQzhcgqN+OaPnCqFIUtxkd69KThU96onLq9vlZba39NSNVsJmEovGCe6jkU8PuULGoBB4bHFNI2Lj5ck7eeMHNKZHCMoUsc9hx16iqhPkb5tNNbR1729dL3WqAfHiNyjHnbnk00biodDtX7vHcf5xSgLMwaRR0+Xmmq5EYjwSN2A3rXU5JJRfwa8tr36Wv2/XyvYklkm2MojQ7sbQuKcIlWFWOH7sT3HeoiqQFgwLbhngcmmgSGBVdvkZuhPOD6mt3iJxqT9tHmdnZL7L0WvTXe/3Le6tpoSRxLO7OqgDtuGSR68++aWJVk+baiHPyge3enPKJHWO1Q5KhCpGOO39amMEZjMe0GVickj7pHGfwrSjSoS0glJq7fSLb25dN1tZd9dtYcn1Hxxx3N0qwIsKFSpByRvwT0zx3HHrVm3KtMsuoMskTDyzkkKMdCfXn17kdKrW5EqrEu6MR7d0mM7eevv61dlhjguEMBeVIAC4Z9wc/TpwORjv9KzjRirez95b+V+qt1UbP11+0ctR68v9ff5liwuVimWW0jkM6vmOMKfnj6Y9xjn64zVi+e78sQXkEJLBZJdrM3mdtpwPlXqPbg9RmoomlvL8TaejTNAR5ZXhf8AayTwMjIrStIpL9pZJSY5rhisMIyN2MgEupGFGMnHJ9fXjxEYyi4c3/gK0f5637Pa3oedUlGEudr/AD/4Yln8TWek21xvxDcyALCIdrrHGBhQpHynHXHv6VNZ6fqEN5LdR+XpwgiMyRyjz/LXy1SPIzw/yk8Z5znOBUq6ZbWBkTTVEcdqqKylN4uJQMqGXgE9Dxg5I5wKsvq0NuzLqjxhWnM8sqOClw3/ACziU+wCjkD7pPXmvLqRndKs9Ftb59fX0/I8yU42/cRvfe+rtp0229d15liwvNRk1VbO6tbWxtLeOGPz2Zpo4wqh/KIwCSWYFskBgEHbNbyPq+i29ndzmK/kMjw2dr5DJJK8gB81vmYF/lbrjCs2TziuctLabWpJrbzpUtbRjJMYsMl1PJ+8K7SDuRQ2MZ5yPTNaVsDcnS9FkV11eWZleRGKpZRr8zJHgnG5ScjOSAQcAKo4KtNRXMr67f1+X+R5eIjG9tPNWvpZ63equt9fLcnbUYNK1K00/wARjzJ7y6/0ie3JmTJO7yAAPlLPt3Aj5lUjoFxN4g13XNJa81V7SKyu7hP9DS4kZnmj3CPyfKAwTkq33hgtnpuBderLrSQ6DbRpYrYXkVvJ5dujrcTENnCsNu1EHmkFT2+6Rmm3NpZT2kkyKt/5ImeP7U5myo/cwQEE/KHlO/aCAGiGAOMfO42yduh24HkbjKcdeq8t1bouZW79tzA028k8LaOZtVsnL33l3rXMzIrlLcExIdv3Q0scYA5yCx969U+HPhXTfE3iM6xcTyX+neHYYtLsMhRDcSIAZJTj72GC4ByARn0rnfB9re+MHl0zQrSWfTPtaw3N3foDALaKLZGg2gb8/KxXI3A7SQC2PeNA0Gx8M6HbaTpUfl2tuCFGACSSSScAAZJJwAAOgAGBXkYenOpU56kbW2/4byPuMNRSftHu/wCvy0NKiiivSO4rvaJtn+zn7LJcOHklhVdzMAFycggnaoHIPAHpT2kkjllaUILdYwysCS2ed2RjpjbjHXn8ZaKAKtpMk8s7RXEkoJU7HTaI8oCAOATnrznknp0FqoYXZridTPFIFYAIi4aP5QcNyck9eg4I+tTUAFFFFABRRRQAoooFFABRRRQAUUUUAFFFFABSGlpDQAUUUUAFVLy7ubee2S20+a7SWTbLJHIiiAZHzMGYEjn+HJ4q3RQBxVpb6PpWueLpNTMUdgptrm5kun3LkKW3MW9CBj6ACse3bTJ/GVjrMsllDpt2JF+zM6bIdsfytJ/CrtuJ2nkYHfIHpEtrBOkiTQRyLJjeHQENjpn1qAaTpywtCthaiJiGZBCu0kdCRigDD8J3DWvg+4uIYJLlF1HUHijhwS8f2ybbs7EbcEY6jGO1QaFrFnqPjjxBdwO6xw6bYrMskbI0TB7olWUjIIzXWxxpFGscSqiIAqqowFA6ACsCw/5KRrf/AGDLD/0ZdUAbgmLyxiONmieMv5wIwDxgY68gk9Oxz2pqfa3SBpDDEwYmdFBkDDBwFb5cHO05IPAIxzkT0UAVzZQtGUlVpVMomxKxfDBgwxnpggEAcDFThFDFgoDN1IHWlooAKitRItnCJoo4pBGoeOJtyIcchTgZA7HA+gqWq9ggj062RLc2qrEoFuxBMQwPlOCRx04JHHWgCxRRWN4o8V6R4P0WbU9du0ghjUkJnLyH+6q9ySQPxppNuyA2aoTa7pFvM0VxqllFIhwyPcIrKfQgmvlX4k/HfWfGbfYdBWbQ9JUMGXzf311njLkYCjH8IJ5zknjHlEsizy+ZPM0jMclnYk59TXtUMmrVIc1SSh5P+v69DN1EnofoKlzBcXVs8F7vSSJ2RIyrJKMr82cE8ZwMED5jnPGLdfCvg/4meJ/As6nQtTZoN432c/zwuMjPynpnGMjBGeDXsNv+1bEdKPn+FWfUVKjZHehYXGOWyULKc9FweP4vXjq4CtCXKtfQpSTPbPF/i/SfBPh+bVtbm2RIMRxJzJM/ZFHcn9O9fIXxG+KusfEbUka9VtP06JcQafDIWUHuzNgbmPrgADt1Jq+Pvib4g+I1zbvrDW8UVsh8m1t0ZEVj1OCSSx6da45X/dDK4z0I7V7GAwMKElOt8W/dfh1+dldGcpN6I9G8G/HLxd4J0g6XZG0vbUNuRNQjeQwk8kIVdeCTnBzz0xk1zPjHxz4h8eaqbzX7oyDcWigUkQ2+cDCJk4HA9z3Oea59pCwLAFRjByOtODttxgEP/EeP0rtjhsNKq5L70v6t6pLffYnmlYQjBKyYHOCo6expmTGVdEAXPDEUrFZCplbLfd4FSFjtKbRtIyuTjFb8sZttStbZ7u+6va9v8302ERuoDl2JYkZGOOfwodo/IHlkgqCMkdadD+74cjbnrnvTSEWbPJGdxA71nJP2fMrLn0d903re97vXX8g6jmQSIFB3FRkkdzSKoaRl37jjK9uTzTz/AHThB1BHUCmmJRy3y7hn6V1VKN5KSinbe7a8l+mr9e4kwTDFhIRgj5fxpqfOriRsPjj6/wCcU/ygqrknOMn60eUqAHPUdj3/AM/yqVRrac0VZXvd9Hsn5q+nRfiF0JG0Tqyvkuw6dcUqEOcN8z4wFI6e9BiWNVOcHHX0PX/Glby1TJII29Qe4rWEasbe15U4rX0euvmm3rayvt2WnQRo2wcM5Ck7unI781Iy+ZG0UeG7qfbtQjiNf3Y3A/ePbNRoqIGKuPUqOhGefyroUYU/dWqkve16eTe9+ttmtri3JMhHQtLvRlBJPXNSRRiQMwPRiUB7HrzTCrKH2x/L94NxwO5pAVcgF8beCMcBfoOTXTCvSpSftdV219N3urrmW+pD1WhaaZXw8cYdsYZSOPp+FRQxxSMyoWPOO4APXr7ehJqZIEjZtnk3a7c/N8hPrz2IOfwI5qS1tGmWGR5fs9szED5twc8YGCAB359vpWVWq604zqU7vqu60Wj2Se71fprrjzRinZ/1+ZZt45mtpNm0op+aRmGcH27n+eOtW4tNh8ovD5t1AF+cyYBbpnYB0PXk89gR1qMeSqeYSslzE2Co58zjgADtg8ehpouZ7y4kjt3azt9waeQsN2AOw7ZIA6/h1qq04ySVT0UV/VtOvN2vfo+GTnK7Wi/r5+lvuNOe6toh5WnFWXA3xq+BLgg46H6E+hx7iyxmnlM+oxmxtmUCORBukjxyAAfutnvg/wAjVO1trS5UosCRCNcNjO5yRjfk89OlSw6g2pN+8D3Ih4AhiLAnn5jgen9axdOU7e1koqWyW2m9+v3HDKP8q23b31/AsvZfZ3inuWa4leR2FvcPujGcncRkAMOOhxkkcDGKNzHZz6fOlisEFnHGHlmmlCmVjg7NkeBjp0wOc897+iaaNVuJVvrkLBbpsjjyNyYyAcn+IYyfTAzk81fuLu21KNI2tYFNgonuGES+XM6vsKr3xwWHcjb615GJjTmrxVl+dtP6/Trg6zp1OXdrfpbt6/18oG177H4dhK3Ni0UoZ2SNm85n3blIHQb8N8vRcY3dh0bJLZrLqwuIdCuYkkgmtYEad7hpED+dvfAVsAHdtJ+Ugk4wMTV9S+0O99baU0ltZRoY2mURqRvO44+/j5cLtGTtk+tUtYudYvX0vULzX7FbuS6JtzDC8rhFJVmdV3KgUMDtHUEknIryMVWUG1zc1tuhyxwrxDikuW7d+r11tazW291daNbMv2uo2vhWxuNPhkujrEiyNbRSoZJprm4OxJShHylY09MkTdM9d+D4VeLvC3gyGSW1kltZpA+pwJIJWADbkm8sjIKNtbapO4KQwXv3vwz+Gmiz6hbeIZi99HprsLGaYhjcznG+5Y9TyAqr0G3cM5GPZa+fn+81Z9Zg8HT9lzSveWuv4f5rtc5fwPoDeDfBlrp80amQyeZIlvESVaV8kMdx3lS2C/GQucCumEiNIyK6l0xuUHlc9M06oprZJopkO6MzIUd42KPjGMhhyCM8HtVbHrLTQloqPbN9oB3p5OzBTYd27PXdnGMdsfjTYbmOaGF/mjMy7kSVSj9M4KnkH1HagCaiiigCKISCaYvFGilhsZGyzjaOWGBg5yOp4A+lS1XgRVurlhbmIs4JkJH735QMjBzx05x0/GrFABRRRQAUUUUAKKKBRQAUUUUAFFFFABRRRQAUhpaQ0AFFFFABRRRQAUUUUAFc9Yf8lI1v/sGWH/oy6roa56w/5KRrf/YMsP8A0ZdUAdDRWP4i8WaF4S083niLU4LGEdPMb5nPJwqjljweACeK8X8TftQ2ipLD4R0WaVtuBd35CKpzziNSSwxyCWBz1HHPRRw1au7UotibS3PoCoLi+tLVgt1dQwswyBJIFJH418Y6r8afH+rSq7+IZ7ZAuwi1RYgffAH4Zri7u8ubyQfb7me8cDCNPKXKjrjJPFexSyLESf7ySivv9Pv7mbqrofd2qeMvDWixxvq2vafaJISEMtyo3EfjXOn4xfD7TtEtrg+KLeeLy0CqrNNOQRwWQAvn1yOvWviv5hub5VK/eCjqKRggJVn7ZXJ6V0f2ElrKf5L9X2a20fkL2vkfSnjX9pm1gVrTwHYm7kYYGoXqlI14H3Y/vMeT97byOhBrwDxJ4m1nxbqR1HxJqUt7cAlQHIAiUnO1QOFGT2rHLxYztbHcAHg05A5ZCFCZBGT1NdeGwWFpSXs1zS01vfey7Jfe/J6kylJ7i7oyGG4Meqnrn2pDKMkhTgjDA8c0eSfLUtIflPzADpS7CjNhuR2wORXp/wC0WXu8vpa/V935rz9SNBuDIRvBYD+EDBx65NOyQoEcYCnlOeRQDIWXyzu9CwxkUbZGRcsoDNngdD6UoRaTcE797Ly6u+mvfTR2D1EkkGH3IcEdyMg0iIjbSXxuHKg9DTvmVWBUEE4JB5Bppk3tyh5HzHbkD34qZ8nOpVXd9mrde6t/lv2DpoOcHyyd/swbkfWmABmzIxRM9B2980qxjbuDZwcHj9aUyN5jBgGGNrNzj/PJqZpNxnU0WnmnvvZ7d1tu30GvISTiJizZyce4PrRHG25fnV+M7e1KI/lDgqT0PHAPalILsSg2nHX3HWmqTc1UlF30srvve99nr0el9PIV9LESrtL7QSpySMcqO9EibQrRnEmfmB61JvVVONyMTxkZLD0o258ss43DjDL/AI1z/V4ODhF6+qVrvpezT3+XltV3e5paD4a1TxLffY9KjEzBQzuzgLGucZY/5PoDWxN8OdS+yQSadPDqMsu5vs0CsW2D/lp6bCeQSRkFSBlsD0nw34Qt7H4aWrTQNFquqyJ+8jfEqiRgvylfSPLYPTnNbsmhabZ6frstjbC1mt7qKytJoCUMI2RhSCOuGlbIPXGO3H5PmPF1RY2Swr9yMuVXV+azSu3e9m3dWtpfVnuU8DTVJe0WrV99j5sSJkaWOZGjKMR83Y56GmKMowABAGTjjH+eteu+PfhfqMV5MdDkm1a5jRZ764kyHw+QpcDgklG+YBQoX5uua8vvbG40+V7S7i8m4QgujAqwyMg/lz9K+5yfMsHm1CPsZe9GL5lpfXZJbtbW027XVvJrU5UpNMpR5O5SASB1B5+tPhQCFhMA3UAdxkdefT+tPMBVMKyuSdx4wRT2jdY1AYN1YgDr75r6Cll9SPvTi9Frs93t5/K7MHJdCIECNtzfJwCCcc/Tv+lOnVXYDO0DjIHQdzj6ZpQjRqCgj+UFjxncPelQtG2VQKEHzbuc/wCRWjoScPZ1Fo7dH66el3va1tGxX1uh7kLG2FRjnAI+UjHfH0qW2DqilZwrM2SnB2EdAfwqJ22JmbHyjCkdD6e9Ir25C4PG3nIwQfWvR9lTjWipSSslo3yv101763dlqtLGbV4kj+ZNc7FjTcx+coM47ng+v+fSrqpbwsFZlaKReNx+6fp24/LHvVJPM2Bt/lK5KIQAM4P9f6U0A5AKKC7bcr1U/wCf61dNRpt13G/m9bLtZd77ve6eiWmco82lzTt7eSbyvLMcUbMVSTYcsR07jGRn8vcUsZ+yl7ZYFe5QZjeJgEGT95u+fbB/WnNA9rH5EM7TR7FkUBs7vXB7HIP6VXiliuljWJ1jdQQd3GW6Yx355wM9Md6zlycqqVdHby11s1HdaPW+/wCZy6yu+n9b/kaCte6ldxeUiRRBgkxSTLEE5KDIAyQpxnj3Ga231NdMZotM06aN2URrBNgL5nZiwJGCCc8joa523hms9glSW2+0udlzsBHXA3bSejBSPTPXoa1bXTdb8Wi6mtrWS9Wx+Z1tYl28Z+UFyN2eegJ9vXxqmOlaVWbam3pe21vRW08rP5HFXpwbvJrkX3f8HXz0LkltFbboL2WW/uoY/MhlQgsy9WIBOPvA5HToOSa0rDw5qd1fQ6tDO0d78ttLbXNu8EdpI0alQgJ+ZkDM3ZeeoyAavgDQdT1HxxHZ2qpd3YiaVrQokXlyAhsSAnKKshORwxCgqG6V9NWXwr8NQSW9xdWr3V1G7TSySStieVvvOyjg+gGMAcYxXhY3MHUio0ly2/pevzKo4GrVk7P3bb20d91bou9ra/NHgkOgzahLc2yaxEl5YzkWgso2YTMC8aqI0YsRsQDjIyxGNyvu9J+Cfw81PSNQ1fxH4vsmgv5mNnZ28oVvKgByzZHXcTgZAOF9GrurfwX4d0CzlfQdPtrSbzPOMkZ2t1BxkEHAAAA6YArc8y7treacbtRQRK0UMKqsrtzkAsyryNuM4xzk88eZNuUeZvU7sDh1h60oPXqtrJdu+/qXIYYreFYoI0ijQYVEUAKPQAU+q0eoWz3iWTSrHetB5/2VnHmKmcZIBPAPGRxmrNYntBRRRQAU0xozq7IpZM7WI5X6U6igCuI5beMLbjzt0pZ/OlPyqzZODg9M8LwOgyKeLmMtMG3IIWCs0ilVPAOQTwRz1HfI6g1LTZI0mjaOZFkRhhlYZB/CgCGDb9qudpm3bxu8wNtHyj7meMeuO+e9WKrwSK11cqLkSlHAMfH7n5Qccc89efWrFABRRRQAUUUUAKKKBRQAUUUUAFFFFABRRRQAUhpaQ0AFFFFABVS81XT9Ontob+9t7aW7k8u3SaUKZnyBtUHqeRwPWrdFAHK6f/al7rniTT7zVHAVoDC0CBfIRlJKrnPJA+8ecnI7Vz1jeand+Ko/D095q1hbyZlaK5nQ3aYQkEyRll2k9AGJ4OQOM9zNodrNJfy7po5b4R+ZJHIVZSn3SpHQjr796yrjwlpdrBJf3ep3sNxEDJJqktyFlRApyC5G0KBntQBY8M6mT4ZefVLsYtr67tPPmYDKRXUkKFj3JCLk9z9a5rxHbeKb/wAWa8ngnUbCyuW0mxxJcxF937y6xtYHC8Z52ntXWHR3tPD39m6K8IDljJJdoZRJ5jFpHI4DMxZm54yemKwbL4evoxurnSNWlF5dhBOky/6O6oSURY1I8tRuPCEdTxzTTs7gfH/jKLxDa+KbuDxnJdPqsblZhcOWbHX5T/dOcjHHORWGu5vlRfkHOM19efETwzoPjSzhi8ewSeHL234h1hGVrcrnJQzEYUcj5ZAvzHC7ua80vv2ZNdjtRN4d8QadqCyPlVlVoxsIOG3jdk9OMd6+qwWaYa0YVrwXWy/rR9tjCUH0PDNzbNqrlScZPFLuAUqchwfTn61s+J/CuteDtVfSvENi9pckb48kMsiE/eVhwR/k4rGIVlIf5nz35zXrRlzxU6c76fL0XW/bcj1EeT5uQWb+4opOANx2t3Kr0pNm3LKPLTuQacihWy/OeRntWS9pOfv/AH9PXXV39LeQaWHJtVgwIIbjPpQGLKUTHy9D/KmfK4KFQB0BI5PtTtq7AQdrg44PWuiNSTVoW5db6790vz7vuKwEpxk5Y9VJ60bFQ5lAOegz0NJEjbmIbGeSWAyRTVXOQxzxxnuKyUpSSk6er2va2nfe9/u7a6j+ZJudxjOCvTFBxx8zENzjPOaT5NqkYVhwQOvpTUTczqpye7FcEVpKcrpfE35/p+D+9i0HiPczeYWyRkAnOKcJArqWIBwQRUUhBxs3mTHPPSmr8uctlCcNjqKn6x7GfLTXz3631222dtkx2utSVVEi/KB8n3fUjtTy6KVbICsuCKgcMQCT+uTj8KRBtb5XK5HQjGaFip02oqGumv5aaejV9Q5bkn3hnBCr17bh/wDqpxVVc87RjcCD+dNjXaP3pwpHHYU2QqFUhMYPB6Z+tNyVOl7SSV99d/w8mreavuxbuwqPhcsN6txnpjNe3fDPwxplz8I9T1LVrSO7nubkx2amMeZ5uBGiBiCPnZgOeBkk8DI8SCb8q4AZug+tfR/hrS9a0vT9P0+81W3t4PD1otwyPCvlxTOGJEjE54VmGQcYJr4XjOpiHgqeGpyteSb1s7R6bX1drXenpoNV6VF3mSDVZdM1vS9I8ZTw2k1gWl+2TSrHHeYXakiFj1OW3J1B9sGoLLxJp0um6dHG09xGbufVJ/s9u8qxRtLJKqSMBsVv3ihtzAKRycc1dv8AxFpxiN740tntrqeKP7FBcZhRc4yVfOY2y3zZwwAPDAElF0ANeNZ3niC+kVLNZ9YuPtCqkh24XqPlX5WbGcAAg9efzOGWRkl7ROL8tr67aP8Am++yRvLPGo7X8++xq6frszQahKbO80/V9alRbOO6hwYrcKFQ71JXjMkhXO5S5yMAE5OufDrQLm4l0fTLa2tIltvtOoSyJlRknYc8EMxRiWU8CPBA3A1BcaPe3GnwXC3076hqr+XbQ6jEsqwQDLLlSBtYKAxwQdxwCcCqYS50uG90241S7srPdt1O/INzGXWKPaMkboyU25JyuABuLHA3o5RUoy9ph5W+/pZL1stvPqefPNo1HaT1/r/hjkLv4WI4jmtrC9s11CMLpsFpcJMWkCMzGbzim0EAEbSeAcnOM+f3vhXxBpMcM17ZMiXEphhWOeORpWBwdqqxJUf3gMZI55r3dpdU1nUNNuZNYt7SK5t2WIWQC+XaKwaWQuSQpf8AcLhenHYGqllD4egmisLeazgutVmSPy5p181bNSG2tuO4+bjGM5PmZGQvH2mBzHMMPFKVRtLZXbt87/f3ZwyzKz0V/l/X9I8Z0vwV4m1draTSbMTi6V2iAuIQSEIDZBfgjcODg81nSaXdW2r/ANl3NrO16knkyWwXcwfoAAOv4Zzx619HX2g6Rr15qGtXKRWkdrkW97FiNgU5eUuMZB+6ecEA9Oag0yysDp9/rhhj0fULREkY+QVaFEUOdw+8wcZ3ZyeoGSM161HOsVSvKUVJdndpO/r1tZ+RhHOIu91r28/Xrb03PGovhl4oktZpxpbM9tCsktv5oEqhgSDtPfAJ2/e7YBrP03w5qmoaxDYpBcRyzwefH5ls+5025DBQOVznn8s8A+73urQ2ngK5TUVeDUdQlCX9u+N4eX7yLg4OYwUQjOSFHXNYen+ODYO+qapfaTJeakqrDa/aiDaoFzHnP3UYYc7tp+b1AFbYbO8wfPypJ+Wln+vz/VkSzKrytqKd9v8APrpu76L70VJfhhoWo6V9g8PrJPdx2fnS3U5O5ZBuVY9rbdhZlfI7bMEDIrye0t/LuP8Aj2mkuRKY40KllJA+YYAJJ4IzjtXtdlaa6kVvrs1/JpyySSPcrAm8spclZHDdVxjjAKrtH8OKyNF1fSdI1htUtIL+/ubySa7eRLRpvNjJ2lUcDAcEhmx8oLFSemN8DXxeEjNVPe5rNX1d1+n6pHDSzZuM4xvPpp31um9tbfd95x1p4Q1HVNQtJBcNL54DzW1gFcxISCxDFgMhQC3oXjHO/jpdM0Xw6t5LHFo8508uvm392NpSFiY96q2DlmLEsVGxFJGSBWlPLrPiTS9U1zwVpk1xmBm1HykVfJRjHmJD/HOFQs2OgPPOwUnh/wAF614k0jVfEksL6nbxFIhYInmGcFcN5eMLujGzBXn5XUckVnVqzxF5VJu1+/V/1rY2UcdXgm1bR2Wz0evb5Nv1vcp6vok/hfxVq90kb3nlwCXRYCAyxyPuyx6gCMKzZbAAB5HFX/B/iZj/AGfBo+iXct0m7TpIkljb7RLtLoxwxZSzBjuIKgNktgZr23w78PE0nQLBLm+ln1iJIjcX0p80sy4O0A8BQwU8AE7RnNRnwHaab4mn8UoIIby3iZvOgswTPkEsWjQZLdQCuWO4461zqqpwSlLX5/5P+kdbybnjav7z0vbsla2683e27bNjwd4RtfCmkiP93c6lMWkvb/ygr3EjHJ9wo6Bc8ACuirC03XZbq/S3DW9/G4JNxYq5jj9ixyp+m7PtW7XLUpypu0j6OlKEo+5sjMuLa2siZjbwmBn/AHgMWSmf4gfT1rRj2CMCLbsxxt6VBcXqW0ioUd3foAAM/iSAT7ZzUEMUhvI5ILdraLJ8xWcfNwcfKMjrjnI71TvKN5HDFwo1nGkrp2TST0+e1vLS34Fq5jeRRsPAPzLnG4emaqRGeOa1hgnUQpv+0JdKWlYY+Xa2ccHqcHjitGqdxIXl8p0jVcgKZlyGPsemfbrXJL3XzI7Z+4+ZdQh1FSim9heweScwxR3Lx7pSMkFdrEHIBIHXA5Aq5UCWqG1SG5VJgrBvnGRkNuU89wQCD6gVUuLK8t1vJtIlT7RcEMqXTM0SsMAnAORkdgetEqjjFSafyNY3a1NKiqX9pKk032iCWC2hh817yVkWHHORndngDJJGMd6uKwdQyEMrDIIOQRVwnGcVKLumPYWiiiqAijMhml8x42QMNgUHKjAzu565z6cYqWoIY9txcN9nji3uD5iH5pflAy3HUdO/AH0qegAooooAKKKKAFFFAooAKKKKACiiigAooooAKQ0tIaACiiigAooooAK5DxrDNqnw/wDE0esadHHFBZXD2+J/MEu2N9rEYGOxwc8/SuvooAjt/wDj2i/3B/KpKKKACsGXwvHbStceHbhtImY7mjiUG3kP+1EeAeTyuCScnNb1FAHlHxL8Hjxno6xeKtKNpd2wxba1pqm4EfqHiA37CSOBuwcn5QCa0fDnwj8BQ+C5rDT7W11S31CFlbUm2TSNuXaWjkwduOcbehr0asW88K6fcXcl7aGfTb6Q7mubGUxF26bnT7jnHGXUnHTGBjT2s3D2d9OwrK9z5j8Zfs6+IfDNjd6npt9balp1pE88gyY5UjXngHgkLyeR0OK8iZMlfKUYzgD1Nfdcevalol8bbxNEpsv4NVjjKoT/ALajdsHXkkAAZNcH42+CHhjxfYDWPBf2eyuWBKfYNjW9x0XgBgoxg/dI7969vA5lFP2eK+FvdLVf8D+tjOUOsT5OLnafkzuAPPamkbDyeSOoPIrstS+GHjDTWvvO0G9MFhEklzMI/lj3oHIHJ3bckHGcY5x0rlJIxGXQdDgj8a9yEI4qn7WnPmS09HZvb79enTyz+F2ZECZMCQ7VBwB0P5U5hGhK7VJHI46UxVzES4yy8Adz/nFPaMhFYMTk9Ow/+vnvV01OVPm5bve71dtrP0f5Ce40QkMATkjkZFJn5vlfZng7zTixkKl1H3cr3yR1o3RicBCNp9P4ajkpRtyOyulq2nr9352s02PUVcbfk5bOTjnOKSRt2TGu4dc9Me9KPLSVhGwVcjJHp6UmHjZli7549McitZX5OTpez5bPVaK3r1f3bNi6gpKPll4zyB0HvTmdRuUjIbkU1CdjRpgj+9n/AD6UYKsFfox3A9OTx/KnGcoU7R2fVrRN3TXmg6iBSJcSjKnkcZ/z/wDXpy4ZjG4PHQY5Oelath4dvNQ0ifU4vNZIJ0gXAHJZWJ/HPlj/AIHWv4Bv7fR9WvdVvI1kuba2MdrG6NgyucZOPRA+QeMZ6YrklXjRhJpbPZ63T72eyeq9Gm9TkrYqMYTlD3nHou/T89exU8OeGtVk8UWSXWg6hPBFcRtdo8DJiMHcwJbAGVB6kZyMV7D51/qKrc6verY6ddmTVp1tV3SRxxbWhy5BO3jcOO2MdRXOXNz4i026iiN1Gsc1qsdwBHs8iFtxxu3fKFbKqeMZJ5AGKVlrVx4k8a20MlwsKjaLURq0cSLH86KI8jfgjPORwvHr83i6E8TWi6sdVou2/wCfmfO18bWxEXUTSik22rt/jt3+XU2NBsb+/srnU5HvNKudTvRZRIszNJ5QbcVaRiTwgYcYIYHvwJJPDA0DV3trVft+l20H+lRsfszKkmQgZ4wDIoCnJbOOpz20rbRmg8QRxWWo3oaxtiRK0gbDO3RlxtOcEk43HnJrCvvHU+l6Dfo7Q/btSnMkM4k2edG3yK6r/BlEUgk8E5rV4GMFaa0/r9Txo4rE16r+ru97abWvtrvpFd79djp7F7iz8q6s9UmudUD/AGaOxu4/lhjfB2D+IoNn+sy2dp5PJq3HOjHS/DtwkkF1JcNcXImx/pAUmR3U9GDOQCvUA52gVxGkaHLZa8lxp13Jp97NbedctAibA3ACbQMbTknGeduevNNsfF1xrer6tpl/p9vJKzu8tyx3BI4wPL2A8dAzDBPJLDrUyyyNNq6s76f5FT9tUcnCXNFK7ezXS/Zpa23b8rnQ61HoJu9QmvbWxE+p35tIJJLdWkCxr+9YLgktuEmMAklkHcYzbi/mt9FvLrS9Jt7TSbv/AEdMxbmMIO1EEQHVyX5OTlxx6Y+sNa6L4d02102KG41mcojylgbhI2HLbuv8SjB4w3THFWTB4r8QW95YaRl28OWn2oy28ILtlSqLtz94qHAxnqflzjHQ8PGlBzqbK23d/wBM3w+EqYhxjT1Tf2n0j1S18tXfq7FTUtfmsobW3tdd0nTbSRVFxp8Be4jTawYAqTkZ2hSuAMFtw55TWvGWu6/cWlzpH2U3du53WcdvJhgrBh5jNgAhlB254IPPrkSaHDfC6gthNEbeLKiSc488qXVX38fMUbOccx+taPhrw3q3jXTmgs9Ys7GC72xFS8SSSEYURhWkU98cDmqnhIQ5uZaeXX5+Xe3+R7dHL+dQqRV2r/FbZ99LvTzvpo+pkatq2qeKppNS8S6lp6Q6ccRxGIbzyCCFGT8wxjkg/rW54WGv+I9A1TSPDenWgmEiB1tozHcPu+ZlI27flO5SzFVzx3Ar3DTvhTomvaNa2Oq6PdaZp9hsEVqbli8zAYLux9R8pwFJHGcAAacOiyv8Qk0/SdQn0vS9JhSWOytdNSOBdx+ZFcp1bOTtPfGO9Z01CMnGLtyptu7fy0T79PvPUWW0nFRmk4q1layX9Pv9x4b4S0rxR4y1Kz8KTRX2hacsjMQLeQeWsRw+JHGCFcbdnQNx04r0OX4Oa74iuIL7W79LSXe1rJAvzCGBc/vUYEEu7DpwNrAH7texXVtObFreKSWTzpGWSQuFeNHJztIxjaDgd+B1qLQNPg0jTP7Mt7u9vBauVaa+laWQlvn5dvvDDDp06dq4XipuPMpWfa3r/VjaGV4SErqC6/ja/wB9t3qM8O+HNP8ADPhq00PTYlFpbReWAVHz+pPqTzmrWlaRp+h6eljo9nDZ2qElYYV2qCTknH1q5UV3cxWVnNc3DbYoULu3oAMmuNJt2R6LaSuyO+vksY0LRvLJK/lxRRgbnbBOBkgdATye1ZV0X1G6t7HWXsbZJGDrZmYPJNt5xg4BX14PSuY0e81TxD40mlEd3Z22w5kFypaJccDy2XKZI9ATiunbTbez8SaaU8yR3SZmeaRnJIC4PJ46ngYHJr05UFhpcsn71r6a20v6L8/Q8+NZ11zJe7e3rr/XkbfkxfaPP8pPO27PM2jdtznGfTPao4/tMSW8cm24O3E033OQOoX3PbtXG6dq2s6l4yQtNdRWJkcLbralU8tSQGZmXOTweorua46+HlQaUnurnVRrRrJuK2ZB50E9tI8gPlBmRhLGVztJB4I5GRweh4IyCKz/ADksrg3ENrdG3ZQrYU4TnqFJz7dO1X7yzivrfyZjIFDBgY3KnIOR06/Q8GqnnX1lO/2nbcwySKsTKu0rkAYPJzzk5wOtTT2t+Bx4xNSU3oltK17Pz8v6ui/b3EV1As1u4kjbowpLmNZIT5jMiqQ+QcdOad50RmaESIZUUO0Yb5gpyASOuDg/kahaaC7hMUcyEuMYB5/KuebjZo7nfk5ZtN29L/j+o+187yQZ2yW5A24IHofenzEiI9h3PoO9JDJ5ifMNrjhl9DSygtGQOfUevtWFZP6vJR7M0p2SQ8AAADgVkW1kseujy5pbaG1gEdvZwkLA0ZHXbjqCMccAY9a1lIZcjpWZczNcazBbwKN1uwkd88gEYIx+PXmnUlFRi13VvP8Arc3pRvdeX9f5Esd1dWsNsupxCSeaUxs9pGzRpnO0nPIGMAnpk9hVyOWOYExSK4VipKnOCDgj6g1m6/fX2n2KTafAkv71VmZ+kSHq+M8461y51Wxs9Hu7Xw3dS6nqlzctcvNpsG0TOWy37wIyHAG08k4XHBrXm96w/ZJUvaN7vT9f0O1gVRdXJEUqFnGXdsq/yjlRk4HboOQfrViuJ0vxD4g090m8U6bJHZXABa4RSfs5C4wUUE4Jx1xjJPTp2kciTRLJE6vG4DKynIYHoQasxas7DqKKKBBRRRQAoooFFABRRRQAUUUUAFFFFABSGlpDQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAhAZSGGQeCD3rFu/DFs1099pE0mk374LzWuAsxAwPNjPyydAMkbgOFZa26KAOeOrazpgKa3pf2uBeGvdP8AmBHqYj8w9SBuAz1NeU+JfgP4b8YatZ6p4Luo7K0mvHbUxExIjUqp2oh+4wIPyEcGQ9AAB7vWRqHhuxvrr7ZCZrDUAMLe2TCOXGScHgq4yc7XDLnnFXTqTpvmg7MVrnlWo/s7aRqnxDnvJPLtfDxskVLa1QROJ9pQkY4GNockjlmxg815L8Rfgrq3g3X7Cw0gz61a6o5SyKR/OJByUcDjIHIOcEAnsa+rblNdsIoTYSw6rHGgWVLoCKeU92DrhMngbdijqc9qbaeKNNubuO0vPM0++LYWC8jMZLHgBWPysTngA5Izx1rqo46vRlzJ30tZ7WE4pnxX4z8Car4HvLS211Y45Lq2FyI0bcUUnBB9GBXmuca383a0S5YsAvOOBX3f4m8G+F/F95ZnxLYQ6hNpp86GN5G+UE9WQEBlJXowIOD71zetfBfwJ4jhhNvoK6cJYSUvNMb7M0YyCPkxtJIyMspI9uK9ajm9Fx5MRTvfdq19+iasrL8dTN039lnxvFDMzFGUKqnaQCAPxPSiazkt7qW2zgqvLL0PHGK+pfE37PulyeF7SDwlbQ2eqwTbZJpp3cXEZbBZyRy2MNwAAdwAximt+zL4fjhiktNb1FL5FAaSZI3h98RgKRz0+Y496645pg3CDm5N3ad90vX7trbNdbmThUTdtv1Pl+C0a7n+WQq74CAR/fJ6D2HFPvrKe3iha4C/v03KVOc4P8P5j8s96+nbD9nHwneWqTL4j1S6hZcK9nLCqFskPg7G+XPAXORggk9oLz9nfQtc1G1azt7/AEHTYMJLC9z5zTr8xDpuLeW2TyCCOeACDnOrmVN8yg3/AHr6Jt9LXbe7Wlu76sXs6vMnfT+up4rpvihtP8KJodpZ2xd/3kty8uGWXIxk7QN3TGCSAB1xVrTtQghLnVoPs39oTKZZpAFVV3L5q8ZwGGcHr0GeFr6I8ZeFvhZFa6Zo3iyGxtZRCIbIqxhm2jKjmPBxljwflJ7cVnXvwastA8RaNrfhXT5NUaxcqbHUL8eUmVx5vzRszHI3Y3AA4wAOK5oYtuF5xacvhbdovvq/nrfc86plNNt8rtd3e97/ANW0PGbjUIfE3iS+QyLLp8LcoJARcbPujHUoDliOhJHWud0Rm13WYNM8N6XLJcHLq+nxKJv72dx4CqCPxUYxgV9ca74F8H+K7eBdf0SDc82Yw2YJWcKRjKEE/KucZwQuccVBps1v4b1K5/tyTQLd0UQ2cGl2jieO3BO0OMscYx0UCs446dWPuQXMt+rd+2myKoZTTorlcvdskl6dX3bPnqy1DxDqtnJ4e0+zW71fVnZWmDYAIUK4dcfJ8oAPpknI4rX8YfBjxR4eBurRU8QwtKD9ohj8u4jZsDJRcE4JIGGwB+Q9NTWfD48fS+JdMiubmZrfyVnuUhtLco2GGyR41Zs9c7z37V0us6xFr/hW7ttOu7+01IweYlvYTIlxIQMgRuQQynj50zwc5Ga2qPFRrQly8sXbfW3e6dn8/wAS8PluGoxkorVu99vu/wAtvI8X8D+APGl74YuL+yt44/MdbS2TUN0M6xoMbyCuCqsz4zycHrxVlfgS2nm00mLxZo8l1LOsl7b3BKS7jg4jw2SSOhwuOOOa9B8K6lfeHLddPTTUZ2l+0X0Hzi5RTtUy7BEsZAGzITHqcsSTnazc6bF4wm1azkt1tvMjut091PLNJcDjd9mNxHgACMKNnbjjFaKlXlWlGUnaztZLr03bs+m7aNoYPDU7yjHV2v8ALYm8d/DrwJp8R1x9CeKbTbVvKtrOR7eO9Zg2Fby/mZxtJJGDgjcSBwvgrVfDllo1ybGw0vSLeJ0vLeKy1Mwvdy7T8rAlSwxtGGypzyOK3/Elvqkml2+p3kNtqQhw6SWdvLa3VsrYDFD5jHkfe5HAIIfOKbpbw+LtJMejajqmk3lkNkk1zpcCmZiOGYPDtYAg/c2/yrlo0qUcPzSV9dZXfu/JJvy266dzs+1oQ6b8P9MvoLjVbrQdIU3sbXNvp8ttuSOaQZMkhYHLH5QRtwuDjqc898N9NtrTxo9leXds9xbQttsQPKVJUO1p44EjRFznGSN2DwSDXqVlHfWGm2sN9cNqc65We78tYieCd2wcdQBgetVba6XXNNS/8PyR2sshG6S7sWLAY5UqShz05zj61nTx0406lH7L0TV7LfyvZ+ib6lOKumUddj1UeKNOnt4tQFipCNLYXK9SeRLC4KleB8y/MMnkV09Q3dql7aSW8zTIkgwTDM0Tj6MhDD8DUoGABXm1KinCKttoWlZi1HPCtxC0UhcKwwTHIyN+DKQR+FLLLHBE0s8ixxqMs7sAAPcmoo72C5tpJrKWO6VM/wCpcNkgZxkd/wDGslFtXDmSdh7CZZpHDK8fljZEFw24Zyd2eh+UYxxg8nPGV4hkgn0F7W8mFtPcx5SHzDucgglcLyy9A2OxPSorHXL5w9xf2DLZsfkkiwzR9cq6gk8Y6j6YqSzkXWdcN4M/Z7DdHAHiZS7uq5fLYxgZXp3PPNdMaU6U+Z/Z10/L7znlUjUjyrroF5OtjdW+qeWyzXEaxSWuMyEZzxjuC3Pb3HeuNU+36np17ZWF68ZJjdnhwqo38XJ4IIAPfnnpWvLpltNarBJ5xVGLK/nv5ik56PncOpHB6cdOKqabZ/2LHceZc3ZtzPtjjmKyAbiACNq7uS38RPcnqTTjUp8l2ve2+QpU6nPZfD+pr1VubyNYpFhuYFmHADuOD7jNTTTLAgZtxycBVGST6VT/ALLjuCZ7gGOeRfn8k7cH6jk49zjjpXPBR3kRiZ1WvZ0NX16WXr37CwT3dzbh4TblWyBIGOQemcYI69s1PFZQxOJCu+UD/WSEs34E5wPapIIjDCEMjSY/iYDJ/IAVjz+MtAhfZHqUd3JkgpZg3BU+h2A7Se2cZ59DRKWrUdiqVD3Yyq6y036Py/4d+ptMm5WwdjMMb1AyPzqhPDJbCM4S4tgn+kGUDexBXDAAAdNxPToMCs9tW13UImOl6K1spIVH1GQRE8HcSq7iMYAHBzu7CrNhpt+ySHWGsMuBtjtLc5jPfLuTv7c7V/GueaclZI1qJzVki5b28LslxHHLAQSNjccZI6dh349qztS8R6Dpt2Yp76P7SrYkhhDSOnf5lQEr16nGaryeBNMvvKbX7m/1tom3KL64Ii6EDMEYSE4BODsz3zmrnhzwxY+F7NrPS3m+yDiGGUq/kr1Kh8b2BJJ+dmPoQOKyq4alVjyyiu+23oawSh8OhVTXNUul8vRvD90hzzLqT+QiH6csR9BSjSvEN/NHNqWrW1iqnIi0633SIcY4mkyCD1IMY9O2Ts3eo2djNbRXdzHDJdy+VAjNgyPgnAHfgE1Hqer2Oj26zajP5Su21QEZ2Y+yqCT+VbKnBR5ErIpSadzNj8E6B5iy3lm2pyoQySapPJeNGfVPNZtmeM7cZwPQVuoixrtRQq+gGKhsb621KzS6spRLDJnawGOhwQQeQQQQQeQRVirEB560n3U+Veg4A4paqS6VYT6pBqM1nBJe26lYbhowXjByCA3UdT+dAGd4X1a/1a31A6rBDBNbX0kAjiYsFUBSAT3PzckcVuVT0/TIdNa8aBpGN3ctcybyDhmABAwOnyirlABRRRQAoooFFABRRRQAUUUUAFFFFABSGlpDQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFZ+k65Ya2b3+zJ/PWyuPs0rgfLv2I/B7jDryOKluI9Ra+tntLq2itVJ+0RS2zO8nptcOAn4q1ZWjW8umaj4mnltZFhm1KOSARpnen2S2TKgdtyMP+AmgCceJbZ9en0qGzvppbeVYZpo7cmKNmRXAL/wC66n8aNd8MWfiMiLV7i7lsQmDYxzGKN25+dimHPBI2lthHVcgGucXTHsPEhGjQ69Hezan59xJPPI1o0TybpMDPlfcJAGNw4/irvKAOai8N32hqF8K36RWq8jT75DNGOc7Y5M74wST13gcbVGMHnrvxNq2ieKkufFF9qFnYuCkenW2nRvbsQPvG55OO+DsPQex9GpksUc8TRzRrIjdVcZB/CtqdZwk21e+90n+adn5rUTRyer+Mr5JLaHw9pcN3cOT59veXYtpogOeIyCzHHPAp2j+OGvLST+0dF1G2ubeVorlY7dnjiI5B3YB5Qq3TjdTr3wBp3lt/Ygh08sMNbvAJrWX/AHoSRj1yjIScZJAxXJah4Zi0qa4uIrS+8M3UwzNNpk0slnLxgHem14yOAMgLnJKPivQozwNSHs6keV99X9+v5R7eZD5k7o1LbxrqD6hqi6Y1tqMNpd+Xb2Fvp00cskZjR92/cQCC5GCozjPGaW6j0LWfFFr4iS41e8vYlhZbO1to5FgCZYLu8vcPmc7sPkk4PAAG/Y+HNE1mxg1HVLDStQvp4kNzdQIHSWRVCkhjyR8uBnnAp9/oWsy6zaS6P4iOk6VCirLp0NhE/mkMSSJGBK5BA4HbPetliMMpfu/ddrNvZ6baJ3u9nZebFZ9TE8S+L72GXT003QLvdcziB7i6sC7RZ5BWPcu/ocjcCOvODUmnatNq9neJpurza9GgMV7aNGlvcW7MCCEdNqjGPuHLck7zwD1Gp6HputND/a1pHdrASY45fmQE8btvTOOAeoBIHU1YjitNOt8RpDawrgcAIo7D+grn+tUFSjGEPe/4PffbtYqzvds8603w/cDUY7fSLK4shhyt+bNrGSBgp2PIIyI7j5iBsKKME8HJq/e+DtUv57y5ex0uxv7vcDqlleSR3MIIxwyRIXAxnazYJAyfTtLvT4rya3llkuUa3feghuHjVjxwwUgOOOjZFWqJ5lUclOO/9eevTS1vLds5Eec+Fk0zVtII0qXX/D0FpChdLqfz40jC/Kv+kiRF2gchQCMcmrreGNU0qxttMFvaeKdDgVIoba+jjjuLdFUKoD4CSAY7hTz1NdTrOr2ekWYk1BZHjkOzZHC0hb8ADxU9s4u0gvYZZRDLCGWFkCjnBDEEbgccYzj2onjKt/aKPut9ddf8Wkvx8iVyN8t9UY914WWDSZYPCMtv4au5mUtdW1lHIcDsVIwa0NM02a306CPWLiHUr1FxJefZliMpHQlRkA4x049h0rPsfFRuLtIbrTbi3hIIa+PFtuA5AZsEjIIBKjNa39rad/0ELX/v8v8AjXPUliLck157K/ze/wAm/kKNSm9UxRZMNWa+F5c7WgEJtSwMOQxIcDGQ3JBIOCMZHAxarKuNYhuI5LfTHluLkggfZtuV/wBoM42fnmqGlR63aed50Fzc3M7Z868uEESAeiIzY/4COT6DpPsZSjzSaT7PRidZcyUVdd0dJUc0Kzx7HLgBlbKSMhyCCOQQcZHI6EZByCRWbHobSIG1HUby4uDnc8Vw8CfQIjAAD8T6k07/AIR+ybiZrudO8c95LIjfVWYg/jWfLSX2vw/4KK5qj+z+P/AKtt4ngum1KSFZnjs4TIFktmhB2g5w7HBzgY4GKZqGtyXFq1tZfbdPuXXeJms/MKKDy20np781eHh7RomEg021UodwbyxxjvVs3Vop3maLcBjIYE49K1cqKlzU4t+v9amLc1G1WSX4GMltqmr6SlrPdRNAcB7qS3KvcANnIjBAQHHXP/AQCKvnTdK1RVuPs6uMFCygpvAJyrAY3LnsciljnMKW8dsLhoIxtYyRPK0i4wMOTnOcHJzn9aZqGt2dlbFr2V7NXO1ZJV2DPsT3pOdRvTT009f6/Az9pQS1fN/Wn9fiaEEEVrCsNtGkUSDCoi4AH0qSuOtfFFndQ40j+07+63FStrGzL1wNxlyqBuxJ7HmpvI8Q6h/q9K0/Tlb/AJb6lMbqZMesUeFYHoMSjGc442nGSV3dmlOrVnBOMPx/4F/wOikuys7QxQvLIoBIGAMfU1m6h4q0/SXKanJHBIoDGISq8pB6ERqSx/AVTh8FBpGk1PXtYu2YACOK5+yRx+oUQhDt9A7Nj1zknY0/QtK0pAmm6da2oUlh5UQXBPU0NxWyHGnXkrzlZ9lZry3V/U5yHW7m9Nze6Hot3e3MykR3LwrDGqjIQ/OVL4zyMg9RxSandeNVMQkt4ba0IPny6SBczqPVRLtAPtsk79K7Oiok7u5tTpqnHlX/AA5zq+DdOu1D63Nf6y7DLjUblmif0zbrthBAx0jHTPXJO7BawWq7baGOFcAYjQLwOnSo5r2FLg2kc9v9taMvHbvKFZuuDjk4yOuDWV4QvtQv9GnfWJoprqK/uoGaGPYmEndFAHoAAOefWkaG9RXJW3iK/vfieNMgMY0aOwugfk+aW5iktwx3f3VEpXHHzb85wtdbQAVHOZRbyG2VGmCHy1kYqpbHAJAJAz7GpKKAOU1uzubiTw5d39lbjUI9SQSNbZkEabZOjFQcdM8Dmr/iHxNZ6FYtO8bzzLMIERYmIEhUNyQDhcEEn+vFblFAGN4Uit4/D6NaXBuVnmmuJJfLKBpJJWd8K3IXczYB7Y5PWtmiigAooooAKKKKACiiigBRRQKKACiiigAooooAKKKKACkNLSGgAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAMO58L24uGu9Fnk0i8blpLYDy5CBx5kR+Vh26AjJwQTmo/7V1nR8jX7KO9twCft+mRsAO/zwEsy+gKs+cEnb0roKKa3AwrDX5tethNoUCeQ3S6uHG1R/1zU7t3IO1tv1FU75taj1WJLm4llt1KvILewDxzAH7gXDFf94vwR93BBrRv/C+mX10bsQta3va7tXMUgPrkdc989ehqrLceJNFtmD2g8RJvAR4GS3nVcHJkViEbGBymCd2NnGT0U6yi9Ir+vNnNVp+7dyfyv+SL2dVv+Mf2XD3OVknb6dUX6/NkH+E80f2Db/8AP3qP/gfL/wDFVBpniWHVNyW8JadPvwBtskfsySbWB59O9XZJZn/4+JY7VO6o25z9T2/DP1pOpKOzUV5f1cydSm902/NNfmkkcxd6RqMuossOm6Vb26vtNxqczzzTr/fG0/oT6dK2INI0TaiBIEuQADLb7oju7lTnI/M/U1fT+zkzjymJ6lvmJ/OpGmhlj8uOEzrjGFX5fzPFVPHcyST27P8A4dmMKTTbvH8/yt+RDDoWmQyCQWkby95JPnZvUknqfemNpWmW6iOGO3tMy+awWNPny25gcg8Ek5xz6EU77JB/0DX/AO+l/wDiqeluFGIrCNR381h+mN1YOsnq5N/JmqlUWigl9/8A8ihkmpwWMcxmEa28WCnkZc7MDJYAfLzkYGeMHvgT/aLp/wDVWZX3mkCgj8MnP4Vn3+tafowxqGp2FgGYAp/ECRn19O5FZh1eS+meTRNJ1a9uZEEf2mZPscKDkoSzgblyScorkDseAY5+0fvL5a8t3b0t+t/yR0e+/wD+fe3/AO/7f/EU2Se8ijaSWK1REBZma4ICgdSTsrjDH8QbJV+2vp62Dn98+kxm4vYsdGBlCo4wMtiMtzhUOcjoI/B2nPIsupSXeqSKQwN9cNIobuQn3Vz6AAdsYqlK61j+ZcaVRrWb/wDJf/kStceKNJ+3BLq5gupFT93bWRa5dznqAq8nFSLqetXRDaT4WWJfvLLqd0tuHXsQEWRwfZlXHfnit62tLezi8qzt4oI852RIFGfXAqahybKhQhDXdvq7XOe/sLWr7nWPEkyKeGt9LgW2jZfdm3yhv9pXXgDgc5mt/B+hw+Y0tkt5LKhSSa9Y3EjqexZySfT6cVt0VJuZ2k6Jb6IJIrCSdbVgvl2rybo4MZ+4DyoIwNoO0Y4AycubWrBdfj0X7Qp1CSB7gQgZIjUqCSe3LrxU1+l7JZuulz29vcnGyS4gaVBzzlVdSeM/xCsiaxuP+E60e8MIZU067S4njj2qZGe22564yEbAJPC+1AFvVPENnpV0ltLHdXE7J5hitLZ5mRM4DMFBwCQRk+hrShmjuLeOaFg8cih0YdwRkGuH8QQPJ4qXU5RrcVlLYCBBp0Mu9pUlc/PsXeoAbjOFOe+OOu0b7f8A2DYf2wANQ+zR/atuMebtG/px97PTigC7RRRQBEbaBrkXBhjM6jaJSg3AemeuOaqWOkJp1tJDaXEyCS7ku3Y7SSZJDIy8j7uWI9cd881oUUAc9a+BtAsPEsGuWFhHbXkMcyfulADmUoWc993yYB/2m69uhoooAKKKKACiiigAooooAKKKKACiiigAooooAUUUCigAooooAKKKKACiiigApDS0hoAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAM/VND0/VwrXkH76P/V3EZKSxnsVccjB5+tZS6fr2hDfYTR63bqObe62xXAUdklAwxwMYcDJPLrW7fzXFvZSSWVr9ruBgRw+YIwxJAyWPRRnJIBOAcBjgGho2r3GoXF7Z6jZx2l7ZlBKkM5mjIdcqQ5VSeOvyjHvSauKyvcr2vjDTLhpobi4j067t4/MuLW9by5YV9Sp6rkEblJU4OCRUX/CYadc8aSt/rLHhP7OtmaNm/u+ccRKfZnHb1FWY/Bvh2OEx/wBkWz5z+8lTzJB9HbLD2weO1XNL0e30dJI7N5/JcgrFLMzrH7LnkZ6msPYJ/HJv5/orIq/Yyt3i695trfTdHjPzK11K95KR2V412KjepWRxngZ60/8A4RV7vnW9Z1DUCeGjEggiZf7pSMAEZzyeffirS+KNKbVf7PEs4lMphEptJRA0g4KCYr5ZbIIwGzkEdQRWvWkKUafwhe5n6boWl6RzptjDA5BUyKuXIJzgseSPbNaFFFaCCsyfUYdQa903SdTgj1GAAS4AkaAHuVz1xnGeM4yCODp0daAOT07Vbz/hTdrq8l4qX39gJdNdzgsBJ9nDb2ABJGeTgH6GoPC1xex+JGs7hNVtopLIzeRqtyk8kjB1G9CjuFUAkEEg5I4OOOgi8P2EOh22jhHbT7e0+xiBnJV4tgTa3r8opml+HrbS7prpbi7u7gx+Usl3MZGRM5Kr6AkA/gKANaiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAFFFAooAKKKKACiiigAooooAKQ0tIaACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDH1Wz1KEXeoaJK1xftD5cFndXBS2DZHzHCkgjr79OM5qPwxZ31pZzf2tZxQXcj7pJkujO05x94nYuPQKBgCtyigAqrqI1BrQjSXto7jcMG5RnTHfhSDn8atUUAcfcatHrXiuHTbq01OC30+6VkkOl3IS5nUZDCXy9gjBPUt8x9sFuwoooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAUUUCigAooooAKKKKACiiigApDS0hoAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAFFFAooAKKKKACiiigAooooA/9k=)

Fig 14 3-D map for 2-D function

1. *Shifted Rotated Expanded Scaffer’s F6 Function*

Shifted Rotated Expanded Scaffer’s F6 Function is represented in the formula given below and from the *Fig 15* you can see the graphical representation.



![A picture containing chart

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAkACQAAD/4RD4RXhpZgAATU0AKgAAAAgABAE7AAIAAAAPAAAISodpAAQAAAABAAAIWpydAAEAAAAeAAAQ0uocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEFiaGlqaXRoIFNoYWppAAAABZADAAIAAAAUAAAQqJAEAAIAAAAUAAAQvJKRAAIAAAADMjUAAJKSAAIAAAADMjUAAOocAAcAAAgMAAAInAAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADIwMjE6MDU6MDcgMTI6Mjk6NDcAMjAyMTowNTowNyAxMjoyOTo0NwAAAEEAYgBoAGkAagBpAHQAaAAgAFMAaABhAGoAaQAAAP/hCyFodHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLjAvADw/eHBhY2tldCBiZWdpbj0n77u/JyBpZD0nVzVNME1wQ2VoaUh6cmVTek5UY3prYzlkJz8+DQo8eDp4bXBtZXRhIHhtbG5zOng9ImFkb2JlOm5zOm1ldGEvIj48cmRmOlJERiB4bWxuczpyZGY9Imh0dHA6Ly93d3cudzMub3JnLzE5OTkvMDIvMjItcmRmLXN5bnRheC1ucyMiPjxyZGY6RGVzY3JpcHRpb24gcmRmOmFib3V0PSJ1dWlkOmZhZjViZGQ1LWJhM2QtMTFkYS1hZDMxLWQzM2Q3NTE4MmYxYiIgeG1sbnM6ZGM9Imh0dHA6Ly9wdXJsLm9yZy9kYy9lbGVtZW50cy8xLjEvIi8+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczp4bXA9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8iPjx4bXA6Q3JlYXRlRGF0ZT4yMDIxLTA1LTA3VDEyOjI5OjQ3LjI1MTwveG1wOkNyZWF0ZURhdGU+PC9yZGY6RGVzY3JpcHRpb24+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iPjxkYzpjcmVhdG9yPjxyZGY6U2VxIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpsaT5BYmhpaml0aCBTaGFqaTwvcmRmOmxpPjwvcmRmOlNlcT4NCgkJCTwvZGM6Y3JlYXRvcj48L3JkZjpEZXNjcmlwdGlvbj48L3JkZjpSREY+PC94OnhtcG1ldGE+DQogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgIDw/eHBhY2tldCBlbmQ9J3cnPz7/2wBDAAcFBQYFBAcGBQYIBwcIChELCgkJChUPEAwRGBUaGRgVGBcbHichGx0lHRcYIi4iJSgpKywrGiAvMy8qMicqKyr/2wBDAQcICAoJChQLCxQqHBgcKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKir/wAARCADFAwkDASIAAhEBAxEB/8QAHwAAAQUBAQEBAQEAAAAAAAAAAAECAwQFBgcICQoL/8QAtRAAAgEDAwIEAwUFBAQAAAF9AQIDAAQRBRIhMUEGE1FhByJxFDKBkaEII0KxwRVS0fAkM2JyggkKFhcYGRolJicoKSo0NTY3ODk6Q0RFRkdISUpTVFVWV1hZWmNkZWZnaGlqc3R1dnd4eXqDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uHi4+Tl5ufo6erx8vP09fb3+Pn6/8QAHwEAAwEBAQEBAQEBAQAAAAAAAAECAwQFBgcICQoL/8QAtREAAgECBAQDBAcFBAQAAQJ3AAECAxEEBSExBhJBUQdhcRMiMoEIFEKRobHBCSMzUvAVYnLRChYkNOEl8RcYGRomJygpKjU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6goOEhYaHiImKkpOUlZaXmJmaoqOkpaanqKmqsrO0tba3uLm6wsPExcbHyMnK0tPU1dbX2Nna4uPk5ebn6Onq8vP09fb3+Pn6/9oADAMBAAIRAxEAPwD6RorN8QzXdt4evrnTpkhuYIHlRpI96kqpOCMjjj1rxXwp8V/HfiL4X674vSTRhLo0p3Wb2Um2aMKGb5hLkHBPY9KV1r5ajs9PPQ98orkvhn46j+Ingm31xLU2kpkaGeHduCyLjOD3BBB/GurMiCQIWUOwyFzyR9Kppp2ZKaauOophmiEwhMiCUjITcNxHrin0hhRTUljkZlR1ZkOGAOSp96R5o42RZJFQucKGYDcfQetAD6KKguL21tIJprq4ihit08yZ3cARrjOT6DijYCeiuOsvF174y+Hd/rXgWKFrtmmi0/7UfklKOVDHpjOMgH2zWx4SfX38KWLeMUt49Z2H7UtscoDk49s4xnHGc4o/r7w/r7jZopkU0cyb4ZFkXONyMCKFnidiqSoxVtpAYHB9PrQA+imiRDIYw6l1GSueQPpTqACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooA5/xv4Xfxh4Zl0mPUZNP8yRHLqm9ZApyY3XI3IehGRmuU1D4P6drlrHaanpnhuygWVHeTStIEE7hSDtWTcdgOMHg8E/WvS6KFo7oHqIoCqAOABgUtFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHHfEDwhqXi+LSYtPvrWzTTtQiv8AM0TOXeMnC8EYBzXXxeZ5Kedt8zA3bOme+KdRQtFYN3cKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAzvEX/ACK+qf8AXnN/6Aa+dPgN4Sn8Z/C3XdIl1m40/Tri/wBlzHaxJ5ko2KSN7A7QfYV9H6vp39raTcWBu57RbiNo3lt9m8KQQcb1Yd/SuZ+H3wy0z4b2tza6FqWpT21zJ5rw3jxMN2MZBWNT0A70opXlfql+dxybtG3R/ocR8Y/COj+Ef2drnStFtRHb2U0LRM/zPuaUbnLf3jk5P4dKf4K8CWGn+DNB+Ifn31zrun6AzxK0+YnBgIVdhHACnAC4yeTk816N438GWXjzw3Joeq3d5bWkrq8n2RkVm2nIGWVuMgdKu+HdAg8N+G7PRLe4uLu2s4hDG11sL7AMAHaqg8e1GrjPu9vusGicey/zufNGlj+1P2afE3i3UGM2vtqyzLqTf69GDxAbX6qMM3A9ak+Jt/P4j8J/CrV9RymoX/yXFwnySPhoxnI/Fh6Zr2CT4LaL/ZN9odtqN/beH7+8F5caXGU27wQdquV3KhKrxntwRXA/tFwWWn3vgDT7Xy7WC2uWRI422+VGDEBj0AA6+1VFrmivOP4KzJd7P0l+OwmvWMHw/wD2mvC0XhOI2dvq8KR3tvGxKy7nZSzAnk8Bs+ozVTw/HqvxO8TfEm1uLXT7u/3/AGO0k1C5aM6fGGkCGJRG/QqpOCvIHrXr9r8O7B/HkXjHVNRutW1G3gEFmZgixwJzyAijLfMeffpWfd/CDT/+E7n8V6BrWqaDfXefta2LJsnz1OHUgEkZPXnnGalLRKX978Xp/XmU3q2vL8N/68jyr45aVq+lfD7wJb+ILmC51y3uDbzXsJLb8AbTuYAnjBOR1zXdeKvhX4f0Hwf4z12Nry8vb/SZDP8AbJ/NUyIu7zACM7twB64HYAV0njH4TaL410/TLLUb/U7a30xjJCtrLHlnPV3Z0YsxPOc9zXV3ukwanoNxpGotJc29zbtbzMxAZ1ZdpPygAHB7AUp3cZW3bf4pBGylHsrfgz5z8L+H9I/4ZL1XWP7Ntf7SeCcNd+UPMIWbj5uvGBVDVvEV9pf7OPgPTreVo7XVLySO9YSFN8SysTGWHIBzz7CvYdK+C+m6Z4IvvCv/AAkGtS6bdhlCeZEDEjNuZVGwjJIGSQT6Yyc2Jvg14cuvhvD4KvLi/udPtpDLazyvH51uxJOVZUA/iPUHrVyd22v7v4bkxVkk/wC9+OxkW/gPxXY+Ktd1TSJdH0LS9U0hrcWdldSMI7gJiOYDykUY45649a8++FWuDRfHWjeDPHWg/wBl65p00gsr+KMK1xuRxslI++DuJVxnnHqTXs+j/DxdO8PzaXqOv6pq4a0ezhlvHXNvGy7TsCqMnH8TZPGOBkURfDm0fxJpGs6vqd5qs2ixslgLlYwU3AAs7KoLkY4z9eTzQrKfl/w7+/X+kgesLdf+Al939bkWk/DnSdL+KmqeMbfU7uXUL6HZJaPKCkYOOcdcfKMA8Dn8O2rjNK+Gel6T8TNS8bQXl699qEZjeB5AYlzjJHGT90YBPH5Y7OkvhS/pDfxNhRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVl3t1oq6vBY6j9lF7cITAs6DMoBwQpIwSMjgc81qVi+KtOhvdGeeSOB3sszqJwNjgD5kbPG1lyOenB7Um7asaV9DZRFjQJGoRVGAqjAApa8oh+MXgzTo430nxZBeW7AH+z7vzPNT2SQqef9l8jsGUV6Zpeoxatpdvf28c8Uc6B1S4iMbj6qeR/nFVbqSW6rahqNnpVk93qVzHa20Yy8srbVX6ntVmqesANod8GGQbaQEHv8pqJy5YtlxXNJINL1fTtc09L7Rr63vrRyQs9vIHQkHBGRx1pmsa7pXh+zW71zUbXT7dnEYluZRGpY9Bk9+DXjnwalfwT4nXwjdOw0/XtOg1fS2Y8eYY186MfiCcei+9VPjzI+uw/aVYmw0PUrazQA/LJcyHdIffamxfqzelaSjaSiuv+dn+OhCfutvp/ldfge72t3BfWqXFpKs0MgykiHIYe1SSSJDE0krqiICzMxwFA6kmuY1zxhPoXjbw/oUmmxywa28kcd0tyQ0RRNxzHs5H/AAKjTfGE958RtT8J3OmpA1jaJdpcx3JkEqO2ACpQbT+Jqd9vP8B7b/1fQ1tD8R6R4ltZ7nQb+K+ggmaCSSLJUOACQD36jkcVJreuad4c0efVdbultLK3AMszKSFyQBwAT1IryTwjqupaD8NfiFqehxWz3VnruozKLhyqqFAJPAOSMcDgH1FbsXjfUvDnwRsvEXiHRV1NFsbdm8i8EhlVlUb5d6LtJJHCh6V7xv5R/FDt71vNr7melxSpNCksTBkdQysO4PINOqO2l8+1imC7fMQNjPTIzXLeKvHZ8L+JNE0ltFu706xK8UU0LoAGVc7QM5J6ddo5zng1T0diU7xudbRXAW3xJ1OTxJf+HLnwhdxa3BAtzbWyXcbpPETje0nCpg8Hr7ZqbSvijYT+Fda1fXbGbSJtCuWtb6zLiZlkGMKjDAfcWAHTn86XS/8AXb8x9bf13O5pGYKpZiAAMkk9K4zUfHtz4euNLfxVon9nadqcywR3cV2Jvs8rfdWZdq7c9MqWAPfvWjf+K5P+Enfw9oFimo6jBALi68248mG2RjhQzhWO5sHChTwMnFAF/RfE2jeI2uxoWow34spfJnaA7lR8Zxu6H8M1qV418P8AxIuhW/xL1/VbC4g+y6y8s1pFiRw2wDaMcHnv+NdpZ+ObtPFuk6DrujLYy6zavcWcsF35w+QBmRwUUqwB7bh7097eif3q/wDmD0v6v8HY3NN8T6LrGr3umaXqMN3eWAU3McJ3eVuzgE9M8HjOa1a828KAD4/ePMd7Wwz/AN+zXpNJfCn3B/E1/WyYUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXBfFXSvEvinQ08LeFVW2XUeL/AFGZtscEA6qMcszdMDsDnGa72ik0nuNNrVHnPw++CXhbwEsd0kP9p6svJvrpQSh/6Zr0T68n3r0aiiqbbJSSCs7xBci18P3shiuJiYHVY7eB5nYlTgBUBJ/KtGiolHmi0XF8rTPHPEvh3VdY+FnhTWfDVldReJvDK2zwQXFrJFIxCKssZVgCR39DtNQ/FPQL2x+FGlaDYWGo6tqQ1CG7umsrKWbzH3M8shKqQMsTwTnkV7TRVt3lfzv/AF9xCVlbyt/X3nmfxDF62v8AgrxVpukalqNnpd5MbqC2tHNwqSR7Q3lEBuCOeKh0B9Xl+OOq65deHNUtNOu9GhijmliHylWLfMAfvY/hXcRxkA8D1KiktPx/FWG9V934O5414T0zUrz4b/EPS/7L1C3vNRvdQmtI7uzlg85JEwhUuoBye3WotdfU9S/ZnOjx+Hdaj1BLG2s1tWsJDLJIhTfhFBIUbT8xAB7V7VRStpbyS+4afvc3m395xeo+B9J8a2Om32ozaxavFarGscNzNaEDvuTg5z6iud8X6U2keLPh3aabZave2ekXcrT3C2s915SMm0F5Apyc++a9Woqr+9dd7/qSlaNvK34WPNImnH7RNxqB07UhYnQhaC7/ALPm8oyibdt37MdO+ce9cZc+E9X8V6P8RbCxsL+0u7rWk1HTjeWctvHdKmMAM6gc4I/I9K9+oqUrL+u/N+ZV9b/1tb8jyzxat78TvBunaDFo2p6feXF3BJfm8s5IUs1RtzkOwCueMLsJzntTWGr+BvjLrmsTaLqWq6L4jhg23GnW5uHtpYl27XReQpyeenI969Vop7O68/xt/khdLP8AqzueIWL+NNN0f4kXugeHdStNRvdR+1WLTwpuZDtVti5O5wuSMAjPc9KcttcN8RvBOvaT4P19beOO5ju7i8t/9IeR4wAZS7bgAc8uQOu3ivbaKFo15W/BWB6p+d/x1PNfCouF+OnjC6l07UYbS9t7VLe5lsZkilaNCHAcqF4J9ee2a9KoooWiS7B1b/rsFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVzvidL+0ntdW0/UZLWKA+XdRsvmRGNjw7Jx909SCp2knPGK6KuI+LXjRPBXgS5nijE+o32bSxttu4yysMfd7gDnHfgd6mTsrlRV3Y6CHXDbzJb67ALCZyFSXdugmJ6BZMDBP91gD6Z61r188fD34e/FPxBaxTeNPFmq6RpDIF+wmXdPKmMbSpyEGP72T7V75pemwaPpdvp9mZTBboETzZWkbHuzEn/PFaNWM07lusXxhrknhnwZq2tQW/2mWxtXmSLsxA4z7evtW1WfrupWmj6DeahqahrOCItOCARs6HIPbFZyu4uxpHdXOBtn8Ta58OB4i8K+N5L/UZbQzCEWlu9sZNuTEqhN6kHgZYnPUGp/Geo6rYfETwDHBqt3Da6hcyx3VopVY32xZycDJ5PQkj2rm/GHw2bwJY3/jf4W6xJoj20RurnTt++zukAyQFPA4zgcj021Y8V3S+K9a+E95qdmEXUpJJprZs4G63DFT6jnGD1HWtFrJNd1p6/oRtHXtLX5HrGn6tpurLI2l6ha3qxNskNtMsmxvQ7ScH2rH0mbTvD+mapdXnik39t9tkkluL67jK2hbGIQ3AUDIwp55rkNB02x079oXxDp9jZwW9nc6DBJLbRRhY3bzCuSo46cVJ8FoIrXQ/FkFvGsUUfiO9VEQYVQNuAB2FZt+65Ls39zsU9HZ91+Kuc1a+ObPWvAyeM73x02j6na3clxJYwXQkVoFlZVtzbbsEsoGGxnJznFet+H/E2m+IPDsOrWl7aSRGFXnMVwrrAxUMVZgeCM85xXkGg/8AJneof9ed5/6Oetfxpqw0/wAC/D5bq7+y6VNc2aX84VWVF8nKbwwI27gDyMfLV7Nx84/jdfp/Wonvf/F+B6nputaVrKyNo+p2d+sZw5tZ1lCH0O0nFcj8VPEcOn+Btai0zxJHputW1o88UUNxEJ2wucbWy2CO4wfeqWp+HbXRfEU/i6y1y4u9fk0mdLe2RIlS7VULKzKiDdg7cMT/AHR3ArlbaPTNX/ZJv7thFdzzWE1zdyvhna7DEs7HruDfpjtWdT4JeS/z/wAv0Lh8cfN/5f5/qeueFZ5bnwbo09xI0s0thA8kjnLMxjUkk9yTWtWL4NOfAugkcj+zbf8A9FrW1W9T436mNP4F6BRRRWZYUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFVJdKsZ9Uh1Ge1ilvLdCkMzruaIHrtz93PcjrgVbrK1LxFY6PqNva6kZLdblGaO5ZP3QK4yGYfdPIOTge9HUDVopFYOoZSGUjIIPWloAKq6lptprGmz6fqUC3FpcIUlibOHU9QcVarP1rWrbQdNkv75LlreIFpDb27zFQBkkqgJx74pO1tRq99DGX4b+FhFHAdPma0jYMli99O1qCDkfuC/l/htq5rHgzQ9d1aw1LU7ed7vTjutHjvZohCehKqjgZxx0q14e8RaV4q0SDV9Bu1u7KfOyRQRyDggg8gj0NQWfirT77xDcaLBHeC9tVV5le0kVEVs7TvI24O0457VWqdidLXI4/BWhxeJp/EMcN0uqzxeRJcfb5/mj/u7d+0AdQAOD0pmk+BdB0Ozv7XSoLu2i1CRpbkLqNwS7t95gxkJVj3IIJroaKXSwzndJ8BeHNE8PXGhadYyLpVwjpJaS3U00ZVvvAB3OM5PTFOtvAnhm18LyeHI9IhbSZR89tKWk3dMZZiWyMDBzxgYxiugooeu4bHO+FvAHhfwV53/AAjGkRWLTgCRw7yOw9NzknHtnFUJfhN4ImmvZH0GIC/ybiJJpVicnq3lhtob3ABrsaKN9w2Kml6VY6LpsNhpNrHaWkK7Y4olwFFW6KKNw2CiiigAoorA8V+MtM8HW1rNqyXTLd3CW0fkQFxvY4GW+6v4n6Zo62A36KKwNI8ZaZrfifVdBskulvNKWNrnz4GiX58427sE9M5xjkYJo62Dpc36KKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigArH8UiCPw9cXtxcR2psFN3HcSfdiZATk+xGVI7gkVsVw/xL8I6x480638O2d8umaRM4k1G6HzSSKD8sSL7nkk4HA68iple1luVG19djg9O+OvhKW6hh8Iw6ul5OR/xK0sfNhkY9Qqq2UPunHcqa9p0u7nvtLt7m8sZbCeVAz20rKzRn0JUkf55A6Vg+Cvhz4a8A2Xk+HtPVJmXEt3L880v1b09hge1dTWjtsjNX6hUF9/yDrn/rk38jU9U9Xknj0m5NpZy3sxjZUhhZFZiR6uyj9ayqawaRpD4keFeH4rv4PWWieKLISz+D9ctLc6vbjLGxnZF/fqP7pJ5/L+7XqGmalZjxx4j1MXEbWQ0qyn89TlTH+/bcD3GOateE9Llm+HNhoviTSGt2jsUtLq1uGjkV8IFblGYEH865nwR8MLjwvN4q0e6upLnQtRgjg093ky8UJEu6L1+UycHocj3A0qN3kl0vb/L/AC8tOxEbWTfW1/8AP/P7+5YPjfxJd+AX8b6TY2EmmqjXKabKr/aJbZSct5obarlQW27CO2aj1X4m6gb3wc/hrTLW9sPE4bynmnKSKQm7aRjC4PU5boeOmaugaJ4w0L4b3XgabR1u5I4ZbOy1ZbmIW7RPkK0ilvMUqG6BGzjrUWoeCdV0XUvh1ZaFpNzqOn+Gmc3Vyk0KZ3R7chXkBJzk4x+dGnNptdfdre/4BrbXez+/p+pv+GPGGtzeOdY8L+LbbTobmytI76G4sHfy2hY4IbfzkHvwPauqbW9PaGVrW7gunjjaTyoJVd2AGeADXEwaFqtx8bNW1W+0Gf8AsO+0ddO895oCrEOScoJN20g46Z9q2rH4e+GvDTT6h4V0CystUWB0hliTByRwOTjk4qX8F/J/m7fhYpW57en5L9bmZ4Q8bal4vtNK1PS7nSLyzupMX9pArifTwUYgMS53EMApyq9cjiqepfEbU7q11a78LRW8qabNLBFbzWNzM160Zw4V48LHyCBndnGTiqCeB77U/Ffh7xJa+Gn8La5b3CyavdRXEPk3MW0702xuS5Y45KjjOT0o0jS/iB8Ptd1XT9A0G08RaDqF5JeWsr6gts9m0hyyvuBLKD/dB9e+Kb3t6/fp/wAHcS7+n6/jtsXL/wCJfiAah4Qh0/w3HH/wkccube+leOaGREyUYFRtAP8AF8xIBwucVY8P+O/EUPj658IeNtLsYr5rM3thPpbu0VzGDgrh+d35dDx0rI8dPqtj8Qfho88a6nqSTXjSxwFYw5MQLBN2BwCQNxGcDJ71uTeG9a17xxP4pktjo8tnpMtjpcVw6PJ5r5JlfYWUAcADJPUnHSjpf/F/wLfOwdl5L89fwM27+JWvaPF4dvNctdOtf7av0tpNFcMl7aJIxVZCxf5sYBI2L1xmr2s+NPFsfxIufCWhaRpcsv8AZRvraa5uH2n59o34Ax0I2gHkj5gM1x0nhDxxdeA9GsH8JwR6npurW97ezvqUTS6iyMSZN3uDk7myOgBrr4dM8Qn45R+ILjQJl05tFGnyXEdzCyrL5u8kAuHKds7QfanbW3m/u5dPxFfS/kvz1/As3fifxZA1xHe2ul6Itjp8U899fB5La4uGBzFG29MAEYJJJ5HHrx/jnxU/jH4F+HfEP2PyZbrVrRmt0fI3rMVIBOOCV4z610d5o/ixPilqt+2iwaxp11bRxaZdz3iRpppCkSDYctlickqCTgDPpztn4A8XS/A7TvDlxpttb6lpOoR3McLXin7QqTNIfmAKqSCAMn64pRd7N90/x1/T+tRvTRdmv/Jf8zpZfHHivw9440nTfGWkaZHpWuT/AGazudOneRoJj91JdwGSemQAPyqDw/cxWXxx+IV1ctshgsbKSRvRVjYk/kK1NS0bVPGviDw/c6ppU2jWGi3Qv2juZonlnnUEIq+WzAICSSSQTwMd6ztN8N6vdfE7xpcapo1zbaPr1lDaw3RmhP3IyjEqrlhnPHH1xS1W2+v5afiPR+mn5/5FW8+KGujQ7PxDpOlLqFncOjnSotPuTc+Qx4dZgNhbBBK7cf7R616lFIJoUkUModQwDDBGfUdq8r8IW/xP8MaXD4Rl0TT7u1tB5Fp4gN8qrHCPuloMF2YDoOBwAT3r1VFKxqrMXIABYjlvfirdrabE631HUUUVIwooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAoorm/Femktb63bTXNvPY5Er2z4ZoD97jkNt+8AwI4Ixk0AdJRWImr3enRqdajWa1IBXUbRSY8erpyU/wB4bl7kr0rYiljnhSWCRZI3AZHRgQwPcEdaAH0UVieNNQ1HSfA+sX+hw+fqFtaSSW6bd2XA44746474qZS5U2OK5mkbdFeP6BBp3jz4cveeDvGGsnxF9kzNIdVl3ifbyskLNsVS3AwoAH3TXqF5q1no1lbtqk/lvJiONArSSSvj7qooLMeCcAHpVtcrsyU72aNCisWx8X6DqOn317balEINPZlvDODC1sQMkSK4DJ+IFM03xnoOrapHp1neOLyaHz4Ybi2lgaaP++nmKu8e65pDN2ivMvBsf2b46eO4RNM8S21kyiaZpNmVYnBYnAyTx0FdVD4/8Mz3ltbxamD9smMFtMYJFgnkBxsSYr5bHIIwGNC1SfcHo35f5XOjoryO51nS/Cf7QOsX2s6k1rY/8I/HIxuJ3dQ7T4wikk84+6o7dK7G41/RPGvw91S98P6p9rtDbSjzrSZ4nRghODjDKenBx+VS5Whz+v4Nr9Ckrz5fT8Un+oviDwSdf8V6PrravcWsujM72sMcSFMuoVt2Rk5A9q6quA+FWp29h8EPD99ql0sUS2gLyyt1JcgfUknGOpJrptI8W6Lrmo3Gn6feN9utlDy2k8EkEyqejbJFVse+MVpKPK3BdLmafMlI2aKKKkoKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACuB+LnirUNC8K/2b4at5rvxDrG63sYLdCzqMfPLgdAoPXoCRXfUzyY/PM3lp5pXaX2jdt64z6UpLmVmNOzueAfDv9njUIlhv/iBrF02MFdLtbpgo9pJAf0X8696sLC00uxistOto7a2hG2OKJdqqPpViircrkpdQrL8S63H4b8NX+szpvisojM6g9VHX9K1KjnghuoGhuYkmicYaORQysPcHrUvyKVr6njPxI8GeFX8N3PxE8G6pHomrW8RuLe/06YLHdt1CFRwWbpxySec9KdfeKLnRPiH4E17x0PsNpe6G1vJNKNsVrePtZ93ZSQAPb6A16hH4R8NxaiuoReHtKS9Vty3K2UYkB9d23Oav6hptjq1m1pqtlb31sxy0NzEsiH6qwIoXu7f1o0/z/AT13/rZ/p+J5r4t1/wRD4O8Xaxp+k2mt2siQrqM1o/7q7lLBVQyr125BYjpkd6xLvVrSP4xeArm78SWF4Ba3YcWpjS3twYhtReS3P8AtMSeMAZxXsUekabDpR0yLT7WPTyhQ2iwKItp6jZjGPbFQQeGdBtUtFttE06FbJy9qI7SNRAx6lMD5SfUYoWkr/1s1+oPVW/rp/kee6VdwWXxk+JNzcxtNDBplpJJEgyzqsLEgD1Irh9Y1nTbv4e+CLq01OwsbIa3aS2+i2kistnEJGyZHbLlhnk5Vck8HrXvVt4a0Kz1STUrPRdOgv5c+ZdRWiLK+euXAyfzqNPCXhuO1lto/D+lpbzSCWSJbKMK7jkMRjBI9etEdLeVvwd/6/4IS1v53/JI4Wzmsrj9peafzIJPN8NRtayEg78zHlD34z07VT8O6dHD4n+KGp6Six6JcRLHG0YxHJcJC3nFe3DHBI759K9O1LQdH1lY11jSrG/WI5jF1bJKE+m4HFSS6Vp02lnTZrC1ksSmw2rwqYtvpsxjHtipcfdt5Nfe7lJ+9f0f3Jf5Hgxvm0v4G/DXVbn7R/Y9jexyai9szBo0PmKHyvPysfzxXoehJ4E1TxxZatoGptresraOguItQe5EEBzxJ8xCgk4APOT04JHZWWg6Pp2mvp+n6VY2llJkPbQWyJG2euVAwaXS9D0nQ4Xi0XS7PTo5G3OlpbpEGPqQoGTWjleTfdt/erGaXupdlb7ncvUUUVJQUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFc34r00lrfW7aa5t57HIle2fDNAfvcchtv3gGBHBGMmgDpKKxE1e706NTrUazWpAK6jaKTHj1dOSn+8Ny9yV6VsRSxzwpLBIskbgMjowIYHuCOtAD6KKKACiuXk+JHhaHxcvheXUJU1pm2raNZThm4zkHZgjAznOK1tE1/T/EVk13pLzSwBym+S2khDEHBxvUZ5BGRxRuroNnY0qKy9b8SaR4diifWL1LczNthjCl5JT3CooLN+ANVtJ8ZaPrd+LOwN/5xUsPP0y5gXA/2pI1X9aN9g2N2ivNfF1lBq3xr8L6dqCtNZyabeO8HmMqsylMEgEdK9GggjtreOCBdkUSBEXPQAYAoWsU/wCt2v0B6O39bXJKKK81+KbXtp4i8Ez2up3sMU+vwW8trHLtikU5PzADLcgdSRR1S7tL7w6N9k39x6VRXC/FfxJe6HoOm2GkTNb3+u6lDp0U6fehVz87j3AGAexOaz9anHw/8feE4tMkmGma5M+nXdvLM8gMuAY5RuJw+cgnuDz0FC1++3z/AKaB6fdf5f0melUV5h4Xf/hZWs+K77Up7kWdhfPpmmxwzvGIPLX5phtI+csQdx5AAAra+E/ii88U+BUm1V/M1CxuZbC6lxjzHjON31IKk++aFqvlf5P+l94PT77fP+rna0VyPxSW6X4Za7cWOo3enz21lLMklpIEYlVJA3YyB9CKZYa9/YPwVs9duszGz0OO5be2TIwhBwT7n+dJtJSb6W/X/Idm2kuv/A/zOxorxm6Op6d8EoPH63tw/iRYY9UlmaZtkqMwLQFM7fL2NgLjjAPXmti68SHxp8SdC8OQSSx6S2jjWbyONyhn34EUbEYO0btxHQ8ZqrO/L1/4Df6P7ibq3N0/4Zfqj06g9K848OXe34heKPh/qDSXWmx20V9ZJLIzNHE+A8W4nO0MRjngHHTFZWiw32l+IPidp3ha0lnmhW1SwtVmAEbvbtyDIwAG45PNS3pddr/pb7yktbM6+z8ewy6Raate6dNa6bd3X2WO6EiuqsZDGrMOCEZgMEZ+8M4rra4WXwxd6p4Z0bwuLCXT9LsWtmupbh4y0qwlWCIEZuWZRknGBnGSa7qqaSv6/hp/wSU76hRRXm+peIdQ8XfFOfwVo19Np2naTbrcatd2zbZpWbGyFH/gHOSw56gEUt3ZD6XZ6RRXHa54JnXRJx4U1jVbDUAuYzJqM06S46owlZgM9Nwww65rD+JcZj+IHw9nSWdWk1fy3jEzeWw2E8pnbnPfGaFq0u7S+8Ojfk39x6bRWXqfiTS9IuVtrydzctGZfs9vBJPKEHBcpGrMFzxkjFct8QdS07xH8F9d1LRtRM9utjLLFPaXDJ8yqeDtIPB6qfxFTKVouXYqKvJR7ne0V594P+I3hKDSPDvh64161XVn0+2QQMTy/lr8u/G3d/s5zXT6t4u0XRbt7W/u3+0Rw+fJFb28k7RR/wB9xGrFV9zgcVpJcrsRF8yubVFeZfGS8s9Z+BmpatpN88sBijlt57W4ZVcGRRztIDDBIwc/nXomnf8AILtf+uKf+gip7+Q+3n/wP8yzRWTqfijSdIuTbXlw7XCx+c8NvbyTvHH/AH2WNWKrweTgcVXu/HPhix8Nx6/da5Zppcw/d3IkysnsoHJPsBmgPI3qK5i0+I/hC+8Sjw/a69ayaoSQtuCRuI6qGI2lvYHNZ9h8R7a/+JGpeGhZ30cdhDFmVrCb5pHJ5JC4RAAMM2AeSDjmjdpdw6XO3orjtA1TwVaXPiXVtG1aFh9pWTVZ2uWaKOTbgYLHaOOy/wCFSN8UvBSQ2Ur+ILYR3xAgcq+05JA3HHyZIOC2M0f8D8QOtornofHvhe48TL4fg1mB9TYsFgAbDlfvKHxtJHcA5FT2Xi3RtR1PUtOs7iZ73S1Vru3NpKrxhgSuAVBbIHG3OaANqiuZX4i+E28Ny682swxabFM0DzTo8ZEi8FNrAMSPQClX4ieEm1qLSRrlsLyZS0aNuCtgZI3kbcgdVzkelAHS0VgaF458N+JdSuNP0PVobu7tl3yRKrKducbhuA3L7jI5FReKviB4a8EtAPFGoPYC4z5Tm1mdHI6jciEZ9s5oA6CeYW9vJMwZljQuQo5IAzxXP+E/G2n+L2ul0+KZPszcl1IBUkhTz3OM47VctPEek6vqU+k27TTTpCsk0b2cqoEdcruZkC8jtnPWren6Np2lNK2n2cVu0rFnZF5OTnGewyTx0HahaPUN1oXaKCQOpxSb1/vD86AFooBz0rk7z4neFbG4vY5tQdotPlWG9uoraR4LaRjgK8iqVBzx1474o8gOsopkM0dxCk0EiyxSKGR0OVYHkEHuKfQAUUV5d47WTWfjF4Q8PWd3eW6+XNfaiLa7kiDwKMIrBWHBYEUdUu4dGz1GiuOfwlpOoahbTaNqWoQy6XfobkJqdwyvtG4xMrOVbOVyP/1V2NHQOoUVyvj3xNPoGnWFnphUarrN7HYWZYZEbOfmkI7hVyfripdX8Q+Hvh1ocMuu3k1raM203TwSzl5D3dlVvmPqevaldWv8g62Olrl9B8ead4g8Q3ekWkNwk1tn5nTAO3AbPpycd84zVrT/ABtoWq3NjBp9zcTvqFv9qtttlPteLON5YphRn+8R2q/aaHplheSXdnYwwzyfedExjgDj+7kAZxjOOaq1nqHoX6K4nV9VPg7x1pCGRv7I8QztavExytvd43I6+gfkEdM4PUnPbE460t1cOtgopN6/3h+dKCD0OaACio7m4jtLaS4nJEcalmKqWOB7Dk/hXmGg3Vh8XNY8Ryagbh9HtSbDT7do2QDAxJcfMMeZuOFzyoXoCTRu7IfS7PU6KitLZbOygto2d0hjWNWkbcxAGMknqeOteX/EbU9Li+KvhODU7pbS306OXU7yVmPKr8sS7R97Mh6YJOKNOZIWtrnqtFYOn+NvDuq+G5Nf07VIrjTIiwknRW/dleSGXG4EDnkdKTwzfj/hE11S+8QLqtrLvuU1CW3W2UQk5XI4AAH8R69aNtwN+isC18b+Hry/s7KG/b7TfEi1ikt5UacBS25dyjKYBO4fLx1pbzxt4fsLq5t7q/KtauI53WCRo4nOMI0gUqHORhc5ORxzQBvUUUUAFFcn468ST6T/AGRo2lyeXqmvXgtLeTAPkpjMkuD1Kr09yK1r7Slh8MXFjYXVzZBYWxPDJ+9zgktuYElieSevvUt2i5dhpXkl3NaiuE+Ct3c33wg0S5vriW5uJFlMk0zl3c+a/JJ5Nc38bNe1K48L30OhXL21nptzbpfXERwZZWkTECkdgDuY+6j1q5K0+XzsSneNz1+iuV8dG70vw7P4k0glb/SYjcFM/Lcwry8TjuCuSD1BwR3zOvjzw/8A2bYXst40cd/bJcw4hd8ow4ztBAPtSGdHRXNr8QPDTMFXUHJJwP8ARZv/AIiukoAKKRgxQhCA2OCRkA/SvJPG3g+60fUND1Tw5ruqSeKbnUokPm3rmO6jJzKDFnaqKoJwoAAGPShatIHs2euUV59421m4vfiJ4Y8FW08sEGoiW71BoXKO8MakiPcOQGYc45wMd6qwa8PBXxU1Dw7JJIdGuNHOq20TuX+zPGSJEUk5CkLux0B6daV1a78/w3/J/cOzvZeX4/0j0uivG9LOo+Ifg1fePZb25i8QSxz6haSpMwW2SNmKQqmduwqmCCPm3EnNel+ENeHijwbpOtqgQ31qkzIOisR8w/A5qrNXT3Vvx/4Zk3XTrf8AD/hzZooopDCiiigAooooAK4H4ueKtQ0Lwr/Zvhq3mu/EOsbrexgt0LOox88uB0Cg9egJFd9TPJj88zeWnmldpfaN23rjPpSkuZWY07O54B8O/wBnjUIlhv8A4gaxdNjBXS7W6YKPaSQH9F/OverCwtNLsYrLTraO2toRtjiiXaqj6VYoq3K5KXUKKKKkZ4T+0Xof2r7Br3h8S/29okZuZ3tzho7XdwzEEEYbOMc43+len/DrxJp3ivwDpWp6RHHBC0Cxtbp0gdRhk/Ajj2wa0pPCvh+aa6mm0LTJJbxdty7WcZacejnHzD61LpPh/RtAjkj0LSbHTElIMi2dskIc+pCgZojpFr5/1/W4S1af9f1+hwWsvq9l8Yp5IdV0nTTeabFHp8uqWTzBwrN5scbCWMK2SrEckjHpXWaMviYagDrGt6JeW205istPkhkJ7Hc07jH4Vr6hplhq1obXVbK2vrcnJhuYlkQn6MCKoaZ4O8M6Lei80fw7pOn3IUqJ7WxiicA9RuVQcUR0Vgeructrv/Jf/Cn/AGCr3+aV02saPrV/eiXTPE9zpcOwKYIrSCUE/wB7LqT/APqrn/FGmazH8UtA8Rabo8+p2dlY3MEy280KOrSFdvEjrkcHvXcwSNLbxySQvA7oGaJyCyEj7pKkjI6cEj3oXwL5/mxv4n8vyRzdv4d8SRXUUk3ja8njVwzxNYWyhwDyuQmRnpxXO/Fwgap4Dycf8VNb/wAmr0mszU/DWha1cRz6xounahNF/q5Lq0SVk+hYHFHVPs0/udxdGu6a+9HDfGmykFh4a15VLQaHrlvdXWB9yEttZvoMik+Its+u/Ev4f6bZfvHtr59UnK8+XFEFwx9iTge9ekNbQPaG1aCNrcp5ZhKDYVxjbjpjHGKp6V4f0jRPMOkadbWZkADtFGAWA6DPoOw6DtQtH87/AJf5IHr91vz/AM2cB8J4h4ZuPHGj6kwhkstZlviXOM28qhkf6YU8+1VPhHqeneEvh7Bd+Jr6HTW8R6tPdWaXLbS4kIC/mFBz7j1r0jUvDei6zcJPqul2t3LGuwPNEGO3Odp9Vzzg8VU8U+F7XxRp8On3drZtbq+WklhDvCvfysj5WI43Z4HY0R0t6JfLT/JA9b+rfz1/zKfxQOPhT4mz/wBAyf8A9ANZL6PN4h/Z5i0q0G6e78PRpEB/E/kjaPxIFdpqOkabrFp9l1fT7W/t858m6hWVPyYEU/T9MsNJs1tNKsrextl5WG2iWNB/wFQBUuN4yXe36/5lKVnF9r/p/keRavqa3v7KdtDbKXu7rT4NMjgA+drjcsRjx6ghuParGjaHL4R+NugfbP8AU33hhNNjl/hM8G0lc+pVc16VH4Z0SHVjqcWlWi3pcv54hG7eRgt7MRwT1NWdS0qw1i1FvqlpDdRBg6rKgO1h0YehHqOatyvJz6t/o1+rItaPJ0X+af6L8Tz7wzaSaj+0D4t1yEZs7Oxg0wSDo0vyyOoPquAD9at+Cv8AkrnxF/67WH/pOa7JLW30LR2i0bSwY4VLR2doqRlz3xuKrk+pI+tct4I0rV4fG3i/W9V0qbTYNWltWto55YnciOIo2fLdgOffvSjo7dl+qf8AmU9bv+tjuKp6vq+n6DpU+paxdx2dlbgGWaU4VcnA/UgVcqlrNgup6RPZva2l0swCmK9j8yI89WXHzY64746jrSd7aArX1JrK9ttRsYbywnjuLadBJFLG25XUjIINeQwA/Dv9oLVtQ1o+ToniuJBBfvxHFcLj927dFz82M+o969V0HR4PD+g2elWhzFaxhFOAM9ycDgZJPA6VbubWC8t3t7yCO4hkGHjlQMrD3B4NVtPmXn9zFvGzPK/2iEtz8L/taFFvFu4Ft5kbEmGf5gpHOCD0qf4gW9vY+JvhlbWsSQRR6vhI0AAH7s9vxru7Pwj4b065S40/w/pdrOn3JYLKNGX6EDIqXUvDmh6xdRXOr6Np9/PB/qpbq1SVo+/ylgSPwpR0t6p/db/IHr9zX3nBeD7x7H46eNtP1ptl3fLbXGnmTjzbdEIIT1wTyB3zXMLZSReE/jJdWQ/4k91LKbPZ9xpBEfOZfbcQMjuvtXs+paDpGsxxJq+lWN+kJzGt1bJKE+m4HFW4baC3tlt7eGOKBF2rEiBVUegA4xUuN48vlb8tfw/UpStLm87/ANf15HjPjKwsNW/Zy0Cw0+KCfUbiGyTS0gALfaPk3FMdCBvLHsM5rRn1vTz8QfEmni8s9BvbPT7dNQ1CVlNxfEoSqxh8oqjOCdrElgOODXo9h4b0PSrt7rS9G0+yuJM75re1SN2z1yVAJqSbQ9JudVj1O40uyl1CEbY7t7dGlQegcjI/Oqn7zfnf8Vb+u5EfdSXb/O/9djwWC9tpv2NLiCG4jklt4dsqK4JjJuuAR2Ne/wCmnOlWhHI8lP8A0EVSk8J+HZtM/s6bQNLksfMMn2VrOMxbz1bZjGffFaFpaW1haR2tjbxW1vENscMKBEQegA4FU3dt9wtt5X/G3+R5r8Pr17T4r+PdL1pvL1K4u47u28w4M1rt2pt9Qo446ZrgtWsnt/g58UJ7fjRrnWi+ngfcKiZA7J22luOOPlNe+6noGj600Z1nSbHUDF/qzdWyS7PpuBxXJfF7SL3VPhZqGh+HtLlu7m5WOOCC3VVVAsitzkgAYFZvRL0S/Ff5Gkfj+d/z/wAzA+KGm2eqeF/BUOhJCdSOqWjaYbcDKoBudlx/AFGT24FXNEv7Sx/aH8XR3lzFA9xY2KwrI4BlOCMKO/JHSu18O6LpVnaw31noVtpl5LEBMRapHLnuGKjnn3q/Jo+mzapHqU2nWkl/GhjS6aBTKinqofGQOTxmtHpL5t/erGMdYW8kvudzzXwVs/4ST4qj5cfb+f8Avwc1yrQwj9ixcRxjNqHOFHLfaev1r2iLwf4ag+0+R4d0mP7WMXGyxjHnDOcPhfm59ab/AMIZ4X/s3+zv+Eb0j7Du3/ZfsMXlbvXZtxn3qLe7byivuNb+8pebf3nB/ECOKC7+GHkokYTWrdU2AAKpjOQPbpS6Tq+naJ8ffGh1i+t7ET2FlJEbiUR+YqoQSM9cH0rvZ/CHhq6S2W58PaVMtoMW4ksY2EIzn5Mr8vPpVm50LSLy+t7280uynurUYt55bdGkh/3WIyv4VV/eb83+KS/QzS923kl9zueBWt9aXP7NvjyKOeNpF1O6doicOoadSpKnkZ967D4iWtqdH+GkZghMX9t2ShCg27TGcjHpXo8/hfw/c2DWNzoemzWjyGVreS0jaNnPJYqRjPv1pk/g/wANXUNtFc+HdJmjtRi3SSxjYQ85+UFfl/ClHS3ly/8Akv8AmVLW/nzf+THG6ptT9pbQiuAz+H7gNjuBJwK0PjBoFj4n+HtzpF0u+9uZFXTVXG9rn+ADPbGdx7LuPaumPhfQG1SPUm0PTTfxYEd0bSPzUx0w+MjH1qa80PSdQvoL2/0uyurq35hnmt0d4v8AdYjI/Ck1eCj/AFu2NO0nJf1pY8q/Z18ULqHhe98O6ihi1zSJyl0JGJklX7qsc85Xbs9gq17HWRY+EvDmmakdQ03w/pdpenObm3so45Dnr8wGea16uUubV7kpW0Wxg+L9Pi1LRkhm8NW3iRRMG+x3LRhV4Pz/ALwEZHT15rif+ETsv+iLaN/39tP/AImvVKKgZkafaSW/hFbWx0yLR5Vt2WKyiKlLdsHABXjrzxXzd4OBs/2Y/iDBqIKXsd+yTpJwwf8AdDB992a+qKxLzwZ4bv8AUWv73Q7Ce6dleSR4FJkZfuluzEdic4oavzeat+Nxp25fJ3MP4NwXtp8HPDkWqB0nW1ziTqELMU/8cK10mh+JNH8TWstzoGo29/DDKYpHgfcFcdQa0sYXAA6dKw/DPhi28PNfzwW9pbS6hMJZIbOERxR4XAUAAZPUliASSeB0q5S5pNkxVopG7XkvhLStO8d/FLxn4h1W0gv7Szmj0iyEyB1XyxmQjPqxH516vNDFcQtDcRpLE4wyOoZWHoQetUNK8OaHoTSNomjafpxk++bO1SLf9doGalb3f9f0r/eN7W/r+r2MnRbPRfAFnp+gWyvEuo30/wBmVImK73Ly7S3IGFGBk87a1tS16w0m/wBOsryUrcalMYLaNVyWYKWJPoAB19xWR4uSV9c8KNDbXEyw6qZJWhgeRY0+zzLuYqCFGWUZPrWB4l0bxU3i3Sb6GKwuof7ZR1dUlLwQrFIAHwMKo3HJ/vMKFq1fvb8geidu1/nr/kV/iajp8UPhrdP/AMey6lNEx7B2QbP5Guv8d2Wk6l4G1Sy8Qf8AHlcQGNsDLbz9zYO77tu0dzipvFnhqLxRootDL9nureZLqzuQuTBPGco2O4zwR3BIp50u18QWFufFGh2U1xA2fLuIknVHH8SEg8HqDwfUCla8HB93+Nv6+4d7SUl2/Jv/ADPGv2etWl0HWta8A+I4jBrNk26AytlniXnyxyRgbtwA4+djXvtY48IeGhqw1QeHtKGoB94u/sUfmhvXftzn3zWxVN3SvuSlZu2x5f8AHCN7jT/CNvbc3UniW08rHXI3ZNega7brd6FdwSaXFqyyJg2MxULPz907uPzrLn0GTW/GNnq+qReXa6OH+wQMQS8rjDTNjgYXhR15JOOBXSVP2bd3f8Ev0K+1fsv1b/U8r/4ROy/6Ito3/f20/wDia7bwhp8Wm6O8MPhm28NqZi32O2aMq3A+f92AMnp68VvUVVyTL8TaumgeFdU1aUgLZWsk/PcqpIH51hfCfR5NE+F2iwXIIuZoPtU+epklJkOff5sfhUGuWWt+M4rvw7qmkHT9La/Xzrvz1dbm0QqwCgHcGcjBBGAM854rqNR1I6WIki0y9vFYYH2SNWCY7HLCktE33t/X4/gN9F2v/X5/eaFeZeEDZan8QPGfjfUjEtvYzDS7S4lIAhigX96wJ6AsTz7V1/8Awk03/Qua1/35j/8Ai6mfwpoFzff2hNotmbmRhK7PCuWfszDoWHqefejW9/6/q118w6W/r+tjyG8S60r4T+KdRiia0ufG2sslhbsu1ljnYRqSOxKBm/EV0PiObTpdd8CeC1uY00GSJ7qYswVLlLZB5ceTwVLYYjuFFej6toel69apba1p9vfwRyLKkdxGHUOOhwe/JqHV/DOh6/8AZv7b0mzv/sjb4BcQK/ln2yPYflQtLfL7krL7nqD1/H729f8ALyPOLbxFpetfG3UNamkRNO8M6SYYZj/y1eQGRnT1AjQ4Pcc9CKnW2k8N/FSG1i26j4b8bSPdeQ3zG2ukQOZB6owUH2OPTnv/APhGNC+2X11/ZFn9o1CMRXcvkrunQDG1j3GABil0/wANaJpV4brTdLtbafbsDxRAFVPVV/uj2GBRHS3l+t2/xCWt/P8ARJL+upJNrNtD4gttGdZTdXMEk6YXKhEKhiT25Zfzp51eyGuLpAmDXzQG4MSjJWMMF3H0yTgZ68+lc/YpeX3jfxDqUNtJHJa2sVhYG7hkjjkOGkdgSOVLMoJXP3Kq+CdP1f8A4SnXtT1u2t42zHZxyRs7GXYC7ONyjILSYz/sADgCha2+/wDy/QHpf+vX9TG8do8Xx0+HNzL/AMexN7ECegkMXH4mvSL84025z/zxf+RrK8W+Gl8SabAIpFt9QsLlLyxuCMiKZDxkd1IypHoTV5YE1jSBDrmmxYkGJrWcLMhI/MMO4yPqAeKlq9Nw9fx/pjvaal6fgcJ8HVu5fgDpaaVLHFetbXC28koyiSeZJtJHoDiuG+JGj+P9D+Esljqs3hh9MjuIN7WkVx58khmU7yzsQSXOWOOcmvddL0TStDgaDRNMs9OiY5aO0t0iUn3CgVLf6dZaraG11Szt723YhjDcRLIhIOQdrAjgjNXJ3nzea/B3JjpG3qYOptqUXwu1NvFD2TXy6bcG5ayVlh+42Nock/dxnJ65rmPhdo2uy/CPwx9m12XTALHJiFrHLuBdmU5YZHyleK67xbpN14j0ttBjBhsrwBb253AEQ5+aNB13MOM9ACT1wK3Le3itLWK3to1ihhQJGijAVQMAD8KS6vvb8L/5j7Ltf8bf5HProPiQMC3jCZgDyP7Pg5/St+7Wd7OZbN0juGjYRO65VXxwSO4zUtFD1Vg2dzj/AA/Y+O7LVPP8Wa/o93pqxsXjtrJoWB7HcWIAFcz8YPC2ga94Ok8TaYY/7ehMbaXqFnL+8ll3AIilThs9B6de1eqSRpNE8UyLJG6lWRhkMD1BHcVh6R4H8L6Bc/aNG0Gws5gSVkigUFc9dp/h/CjdjWhxXiGzutN+NXgXXtR/1VxZy6ZPKPupOULKP+BEkD6VX1zRJfFnx21BbY/uNO8NSWc0vZZp9+1frtbNepX+n2eq2T2mpWsV1byY3RTIGU4OQcHuDzmm6bpVho9sbfS7SG1iLF2WJAu5j1Y+p9zzSa5lZ+f43/zf4CWm3l+Fv8keS+G9SXTP2W763uwYrvTrK706eA/eWfc6BMepLLx7iu/+HOiz+HfhtoOlXi7bi3s0Eqn+FyMkfgSRWlL4Z0SbVhqculWj3oYP57QgsWAwG92A4B6itSqu223u7fhf/MVrWS2V/wAbf5BRRRSGFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQB//9k=)![Chart, surface chart

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAkACQAAD/4RD4RXhpZgAATU0AKgAAAAgABAE7AAIAAAAPAAAISodpAAQAAAABAAAIWpydAAEAAAAeAAAQ0uocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEFiaGlqaXRoIFNoYWppAAAABZADAAIAAAAUAAAQqJAEAAIAAAAUAAAQvJKRAAIAAAADNTgAAJKSAAIAAAADNTgAAOocAAcAAAgMAAAInAAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADIwMjE6MDU6MDcgMTI6MzA6NTMAMjAyMTowNTowNyAxMjozMDo1MwAAAEEAYgBoAGkAagBpAHQAaAAgAFMAaABhAGoAaQAAAP/hCyFodHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLjAvADw/eHBhY2tldCBiZWdpbj0n77u/JyBpZD0nVzVNME1wQ2VoaUh6cmVTek5UY3prYzlkJz8+DQo8eDp4bXBtZXRhIHhtbG5zOng9ImFkb2JlOm5zOm1ldGEvIj48cmRmOlJERiB4bWxuczpyZGY9Imh0dHA6Ly93d3cudzMub3JnLzE5OTkvMDIvMjItcmRmLXN5bnRheC1ucyMiPjxyZGY6RGVzY3JpcHRpb24gcmRmOmFib3V0PSJ1dWlkOmZhZjViZGQ1LWJhM2QtMTFkYS1hZDMxLWQzM2Q3NTE4MmYxYiIgeG1sbnM6ZGM9Imh0dHA6Ly9wdXJsLm9yZy9kYy9lbGVtZW50cy8xLjEvIi8+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczp4bXA9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8iPjx4bXA6Q3JlYXRlRGF0ZT4yMDIxLTA1LTA3VDEyOjMwOjUzLjU4MDwveG1wOkNyZWF0ZURhdGU+PC9yZGY6RGVzY3JpcHRpb24+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iPjxkYzpjcmVhdG9yPjxyZGY6U2VxIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpsaT5BYmhpaml0aCBTaGFqaTwvcmRmOmxpPjwvcmRmOlNlcT4NCgkJCTwvZGM6Y3JlYXRvcj48L3JkZjpEZXNjcmlwdGlvbj48L3JkZjpSREY+PC94OnhtcG1ldGE+DQogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgIDw/eHBhY2tldCBlbmQ9J3cnPz7/2wBDAAcFBQYFBAcGBQYIBwcIChELCgkJChUPEAwRGBUaGRgVGBcbHichGx0lHRcYIi4iJSgpKywrGiAvMy8qMicqKyr/2wBDAQcICAoJChQLCxQqHBgcKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKir/wAARCAFqAh8DASIAAhEBAxEB/8QAHwAAAQUBAQEBAQEAAAAAAAAAAAECAwQFBgcICQoL/8QAtRAAAgEDAwIEAwUFBAQAAAF9AQIDAAQRBRIhMUEGE1FhByJxFDKBkaEII0KxwRVS0fAkM2JyggkKFhcYGRolJicoKSo0NTY3ODk6Q0RFRkdISUpTVFVWV1hZWmNkZWZnaGlqc3R1dnd4eXqDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uHi4+Tl5ufo6erx8vP09fb3+Pn6/8QAHwEAAwEBAQEBAQEBAQAAAAAAAAECAwQFBgcICQoL/8QAtREAAgECBAQDBAcFBAQAAQJ3AAECAxEEBSExBhJBUQdhcRMiMoEIFEKRobHBCSMzUvAVYnLRChYkNOEl8RcYGRomJygpKjU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6goOEhYaHiImKkpOUlZaXmJmaoqOkpaanqKmqsrO0tba3uLm6wsPExcbHyMnK0tPU1dbX2Nna4uPk5ebn6Onq8vP09fb3+Pn6/9oADAMBAAIRAxEAPwD6RooooAQ0UGigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAoqvPfWtrPbw3NxFFLcsUhR3AMjAZwo7nHNWKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKBRQKAFooooAKKKKAENFBooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAqOaeG2j8y4lSJNyrudgoyxCqMnuSQB6kipKjTzvOk37PK48vGd3vmgCnJFOuq27NmaMtIQ2MeUNoAH3hnJB5wevarDRTIszW0uZJHDATZZU4AIAGOMAn6k14D8Vfi9KvjGyg8H61BHZ6au+a+gjSZZpWGfKVz8uAoyQGBPQc1e8NftENawR2vjbTnadNonvLMKixu/KxNGxGHHII3cAZODkCeZXsTzxvY9ya4Eck3nI0UMUYkM7lQh65HXIwFycgD5hyecSI6SxrJGwdGGVZTkEHuDWL4X8Z+H/GdpPceGtTivkt3CTBMho2IyMggHHoehwcHg1sGFGuUnO7eiMi/McYYgnjoT8o56jnHU1RRJRUCfaYlgRsXBLkSyfc2rgkHHfnaMe+e1Pinin3+TKknluUfYwO1h1B9D7UASUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUCigUALRRRQAUUUUAIaKDRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFRSODMsBSQiRGO9RhVxgYJ7E7uPofSgBk8S3Xm2l1axzWksW1/MwyyZyGQqeox68HNeWfGz4nSeFLVfD+kTQw39/bSNPdPKVaziPy71CnJc5O0dc4Paun+Ifju2+Hfh61KW01/e3TG3srbzcs5VCd7O2TtGBuY5POfWvkoX13LdLNIFllubtp59RSQI08xDEbdwCrliQpAIU/MMHFZzlyrQzqT5VoNZobCU2ktoP3UK+T9sg+W3Xq8hj5ycgAknlht4AxTxFcaZ9jEMYhMaSyRJOoZ404VmZeACTuLdxgJn5StMKzLbXBEisJHjQsYfMVmypVR5m9nRVwFXGWGTyOakMFsLiaeOSH7Gz52+WFW4KnaipGAWdVPXLYd+ucEnmOQS1Mv26z1CxvZo51m8+KTz2EikAO8xfOxZCAgI/hUqDzXqPhj9ofWNLbZ4itm1a1fAjfaI5lJzt3PhY/nG5hwPlTvnjyuJFurhI5JriaXdsmWZzMZHHzvGIwQPLDHexPG4gDOCWSO4+0xsotZI5pXcvLIFM1xu52b8EKoXbvJwFX5Qo3NvpSa2LjJx2Prnwd8VfCvjWSC20y9MOoTRGVbG5QxylR1Izww78HpzXXzQJPGEk3AB1f5HKnKsGHII4yOR0IyDkEivhmYTN/aHmGOezDLLO9uNzOyoCB5p4XOTkgfKMhQN+1uu8PfE/wAXeFLi3Fnrkmo2MDKZLK4V5ElJBAt0ZyzrxtC7OAOWB76qqnubRrJ7n1rJ9oiW4lj2z/JmGDG07gDxu9zjtxT/ADk+0CA58wpvxtOMZx16fhXlvhn9oHwpqsYi1uY6VdqhkkLI7QFQQNyyY5GTjOB0r1C1u7e+tUuLKeK4gkHySxOGVu3BHB5rVO5qncmoqpDaNBLFFbhLayt0VYoYQAG4I2ldvCj5cbSPy6v89oYwbzYhaXYnl5YEFsLnjg4xnsD3pjLFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABQKKBQAtFFFABRRRQAhooNFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRTWdUxvZVyQBk4yT2oAbJPHFJEkjYaZiqDHUgE/wAgax/EfiXTvBHhiXVvEF5K1tAVUyFAZJGZsABVAyeew6DPY1dbURp+jzahrksdnDEGllaQBBDGDkbiGYZA6kHB64HSvlz4meP7/wAd+IjHp+oBdGhuwmmR/KIw+wgzuxTO4gPsXBILZB6B5lJRVyZSUVdmF4n8RXnifxLeaprswjaRZJYY9QjaRLSI52RxxknHIUseQT8oDBirYaq8aWkWr3jYeEx5JHnQRBRvQKAQpIyC5ydoxjPyls9xZW6XtxMLi6klAePlpIwEG1SdxAkUOQM9CedoUbXkkt44Zoke1gkzGEha+jZACSGMnl4YntuySWYhVyOG5W7u7ONtt3ZEsmy1SUzXE0jyEs5JaZhKeCGLFI3ZQoxhiAScngVIsgkE82lQtZRGNMxxIAyRDOCzEMQ75+VVyejMWOWZsBvfKsJVjtzNKJJCtyxnY7lBZiiJ33FsnJxtUnsxLDvnkC3B8+OcBomjVprlhhmd3JKx46FeQgBByfvIBym6aWRGe1sYre0AhNszqxRnySAPmk24IHIUt83JYlklS4VLKC6uxp8USvdJGsSuoHyhBsGSfvHl2OWZgBnlmzSW0s8sE07TTSIrobch/PlcEZeV0AX5eVAACqTzuDBpBJDFHD/oiTworSskKiNJljQKpO5izjewVScD5SdrliACK0kljLbstxPJNA0/lDKEyLGrK8mQEAQ9WZwGY8DpvJmMZ+y3s1hDIkcVs7IiSEm3Vh/fZiFLA5YKCdqhcjcTTjFqKWdhG3kQQs6Msc+Dtdtzbgq5LDarJhyS5ZsDPRrpeTeZcyz2h8+fENo+RvbfsRXTftG0ktgliSMHcN2GO/mSjzZmCWyWdkAhBhD7YAmPmDP94lwMDaQQnJJySdLwx4k1/wAKx2U2g65caUbqFFk2wAW5AGSxjfKu+04yAvQsTzubHvGt0luJ7y9d5IY9iJLmVnYZYh+qgF9u5dpUcLuzuYAGmy6lBHqDveSNHuDROw8x2wWcyHbkbedvyhVwvLZIE2tgTa1R7t4O/aCtDdqnjWyjguLshU1Gwt2EbxhiELoWZwDuyGOAdzcDGT7BoXivQfE6SPoGrWt+ImKuIZASpGM5HXuPzr4pSVxBb3X9lAW9xcSOkUsyxo6jOwk9yAcLgKoCHAySRbtdS1rS9Vku9J1GPT2E0MRe2DxSkmNQSqq25lIBABxwzEBedusaj2ZtGq1oz7be0TZcfZ2NtLcHLzRKu7dgAN8wIJwAOQelOLTLO+UXyAgKsGJctzkbcdMY5z68evzboXx/8SaBcXEPiRbXWrZEVo94NpcAtwFGAwP3TgMAx3Bs7Qce0eH/AIpeEPEiQix1mCK4lDf6LcnypVK/eyp9CCM9K1Uk9jaMlLY6qO4jkSIkmN5k3rHJ8r44zweeMjPpUtMAjl2Srsf5fkcc8H0PvxUSxyW6Rx2481TITI00zblU5JI4OeSABwMd+MVRRYoqFblD5u7dGInCFpFKgnAPBPUcgZHfIqagAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKBRQKAFooooAKKKKAENFBooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKgb5vNN5FCsUThomLbuAoO45A2kNu6E8AHPOAOqXLyW9xa74QFbdIFZHOScAZzkYB5A6jGeceNfHr4hafaae3hW2dLi4zHPfbXfbboHXbG+1GGXBPBI4xkcjKbsribsrnG/Fr4nL4gT+wNPuLm00mykdLpbgiWS9ljDM6Hy2bdGMxfMWUZY8MB8vlkM1pq72kBTz2eY5lwSz7oyCoVgI0C4XJydo2kbsHNgtFqEN7cxIRCrJEkp/d28UYG5gEPzMFYg4A+Zmj4UkBpmub+41QS3/2S3H2dnhW8iHBPKbAGJPMYY+hJXBZlDcspNu5xyk27iQxTXkvnRw7bKa4TyrtkUM2zPl7ST+73uAvK7UDAnIJzDK13Jb3l1pN/bQvHBtkWON03/ec4eTnO0ZB75PQkZga0eW1tYtWvJPKll3MAWMirGHZy0YDYIJbcxJIHO0kEUHyGXUZrWK5+03LmNEEDm4Yy8rlsYG7PTJJU45zmlYmxL5sEN4XtJFezUBkMaBN6iUrEEQEu3QsVZgSepA5Z0NjaQta6db2sk148vlzu0geJWXBm4DAkDKg4ADYwC2CXdHcyXNw9xYWaRWSROjfZg6JIEAySSgLbsAAAbgCcgZJpEjv5Le1h1SO2tLeCHyYWnyib+jEowHzqCwGdoLByCeTS1C7G3NxcD7eqwWcs3mSLM8+T5cars52qEJUKCcE/6xQo5YVY04X0M1491dwf6HHCTOilxtVZMhWbpznJCsANwHO1Wz54UlsYTf6r5NtFNNOoh+Uy/NhfJQ8ld2cMcDLvgfK5oD6aRdCDF99odLeNjBvlcKq5ITgjBOSxxuOAB94h8ulgsmrL8iDT7y1a6tVm1BriQRtgBHi2vJtVhvVWZmAZscADaME/dM1rNBfXUSWVncG7DrMpVAsccMeGyse4ByMMACfmz1ywA0ftVzIzpp1jNCYrQPOZJE+d2IKrIxYAALvznnZ5gIUZIhVr28tbWK0FgsZczt5RMce1YgGRnOMFhncMcAksQoJDvcbfX9RW09Y7uWxS2hUTny3kyWFoqpumYJ0KqAcfNlym4ZyMSvFrk2pXDJDb3LpEY4pPMSXyzuwFOSqggqwLAYJGeRg1SeEvpZhnvo9ruIXnWddkru4ZnOWyzYwfn2YAO4g1BcHTJ7K/H2+OfLb0IZ/kONqKkbKCQMYBzwpUkDlaSTFa/wDVx1lcQedbP9ujEttExkEJkXYqxqcFm67idp2gkbAF+XGG21xpyTRt9pvLmWSSQF9rLE7MB5hVgC/Qr2J+UHHz4TRieC3uprfT7a7eK3ie0uHlg+VAACwDMVCchzhgMkk4+bAiin1ebZbWGlxw3UCoLi8lkG8MxJG5uudpbcvLcNkfLgPRjv8A1sMjis3024vGs5nurlg1sHZVWVnYrHiMMSCAshyegU85dNt+QTR61JarFaSXjvEsZnZwkanBIwgKqvLMMnI2MxyQhqnt1JtLgiaKCG3W6aWcTq8aEEgqHZgCQxwScYGYtxBIAbLaWs0M8UmqRxwuyxSzq2y3xuWRyifxuFUZH+yBksyLStdk77v+v66HaeA/ih458OLHY2moWOqWjWge2trhWMceNoVd3ylfwJAJyQFyw9g8KftC+EtYW0tNbuG0zUpiI+YZDBM5baGjbGQrHkbwuB16V8xQf2M6TGG78xpYdhub1S7RM42BAoGWIA+8OFGTydqmxGLFHuI7HR7oQR+dFcy3EKgxqgIBycBXI656FuA3ArXna3NlUknqfcsFzZapbF7aWC7g3YJRg65HP5jg094XDTSwyESyRhVEhLIpGcHbkevOMZwK+IdA1bW7K9s5fC9hBZTWawr9sEgzlkG7cynLZJYlRkjgEZFe5eHP2iHe3tP+Eq8Oy2yMMXF7bSEJETyhKSAHBQo2QxHzr3YLWimnuaqpF76HtVldJe2UFxCS6Sxhg+wpn/gLcj6GnWl1Fe2qXFszNFIMqWQqT+BAIqpour2es6ek9lqFpfYVfMktHyoLKGHGSRlWBwexFXnhileN5I0dom3xsyglGwVyPQ4JH0JqzUfRUBkuIY2aSPzyZQqrCACELAZO49gcnHYHAJwC9J4pJpIo5UaSLHmIGBKZGRkds0ASUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABQKKBQAtFFFABRRRQAhooNFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFQO0dz59o3mj5MOV3x8MD91xjn3U5HHTiieQSCW1t7mOK7MRZM4YpngPtzyM1j+MfGOleCdAl1PWJlAAIhg3gPO4BO1c9+KAOe+KPxIs/BeizWVpJcSa3cQE28dtD5zQA8CVx2HXGepH1r5We5vr5IVt7SSW6muGvpZpHUzsmcxyOW+6TuGMnoOBh/m0/FfifxL4ovr3V9QeKNLiI7g8qFYY/PmRVXAIZF5GcZOOp75lzBJFcRQ3N6tnbrH5qo8SQK5AIk+UZPzEgkdDgoRlNo5pS5mcdSfMxJLe5l+Rpwl6HS3LqGaR5S4yxcLmPhGCLx8quRgE7ks7iw0Vrlpb1by5VFlR1usqiL92PqQ5DbSFweQpOADVNE0qa1trFCbuUXBJETMTKZPlYonAUgIDn2XOc4W3FM1xJctbacJYg2FubqMMIkRSgIYcbchuE5VVduSAVlrSzIa0t/wCF3htHtIv7PLymPJQ6cGVECZZxuG59uAxzwdrZOCae6Xzae0S2FvFPfSTFYpGGYSMKQFIwhC7tzHHQliCBU4TWHlDafPbrN5BQ3Kzb9zAB3IkLE5XCkdgSW4xuDHksrSeOc6pNPm4895XBhVinEbADDFMqSoXGOB8vWi/YVxbmzkhkuW1K9k/dJA6wzQBmZYxtO5cHb9zB6gE7WOcgNa/wBKtprQ6ldfa1hhwFt5GdtzAfPv44KqBtz8oCjAO4CktnpJcxWVk1w8r7YZGdijOpLNjhcoBtUkkevFacF1qFxft9j01RdKSWa5z8sifJH8gyqMojOAcfeIGFwKLf1sN6LX9EQPdLDeWc9zpewxyOsMNyUhYxxjarMWIJI+VBnjMbYJYtTJRqs8EzXSQ2lnLJEGjSfjdJ5bb8J94Msa/L7kqPlYi1ZNqnmKiXcbKBH5nlzGUkggZbLDZlvJGAOgRf4WFZ1wljaO/wDaWqyXF6HIuEhwpYyLhx5gGSAAAQeOCAPmpoFa/wDw7J762mXP9r36WawhpFtUcIzQmUEIFXvkbu5yVPQErOw0yaazW5uprmGNA7QJcPNvSNHdmcKTt7cdueQMmotmmmOZvsl1q0rW5n3xRMynaSgJYjdhQeW+7nqOAKs77yOSO2j06F7kzwqbVmWATFsZAiztb5ynJBGUXggEBPsLp/SK/n29+2V0ia7kcB42aLyd+5gS8kgIBG1XBY+jHPWmRnU7uOW503TXt7K4l3xrGAucZCkBBuz5gyMDaDkDAzVi3jvbqC3/ALQntg0kYNvB5aTuAxBTy1bk42Yxk5Hy8nimXaRxapNceINUVrt1ikiiibaY84f5ZMMQAS3I5blstuBJ5BdXt/mxnmauqSTSTWtlBgRRbyI1cgIzyJGwAbcCh5A4ZQOAMQ3emwRDbf63JBakEwWztuMWVzG21WPyktJgjsM8B1ykkWiQtDbXE0t/PGWSKJSZNpLk+WSDgjBBBX+Jn68ZmL28dvBMmhrPbFpPLBiEY3qTtGT8zDIkIB65K/NswK2Htt+X+ZKJ9IMamDdLBFGzNApaSS5ES4Ru/lBSM54IUydBgMkt3aXV2J30kraGeOVPORLf7QCUDjzGxxhjnBOQ+TwvFq4bWJntZb6yjaVmYC3cllMZb7jbVOfn8sjPALRnBLk0qy6kVuUvLq2WeRZVZbZmaSJVibJClwoXYZcnGcbsEFlNQtrkXX9P+vvKFq+q3VqZ4dLNvBLFmL7ONm6YZEThUG7IZvlwMbmTPGKfc/2zCY3e/sLO0ZA6xrGgDL/EVRlUHcAW28cMB0YA2XdYNZRta1RHvTIu1IkRGjDYwVkIJGC55JH94HIBNK2uNHihs7Rru+1BZTsNrCXyVJz5ZGcEnIAwOG5wRVedhp31t+Df5klxpd9IgTWtanEu6aNYyC7LOjEuW2EliGaTLcnAyeCoMon0xJ0upL59uYENtHfMxfMXysSSMEAoD2UqwyMAGlH/AGYgEdvpsst1NL5irFCXiQbtvmJkbmUEHAOQc4PIq+kMxa7kt9AVJpJFgdGbMMZ+YrlV48vyzGQWyWZdwJyTQ/MHe2v6IfpmvQ6DZzz2d3LE0SorNYPKiyyCQ4V3GA7EI7AtniVh/BivR/hx8b7/AEKY2/iWHVL/AEy5Z5ICybpYsiMqke45lGX6A8BgcY6ed+dqkeoXy4tHvreBRG7TjekQOHzk4GGUs/c7nPIbIQx3sF9KIpraZ2il3uIz+5fDblLHHloV81sDkjeeTtYEZW1Q41HF3/U+tPB/xH0LxrcXVtpn2i3urUjfBdxhGYYByuCQwG5c4ORkZ6iurZQ6lXAZWGCCMgivh37FdG7gutN1MJdwhn+1qFcbo4y3yOzEhgXHIxjcGONmR2ui/FvxJpOqWDf8JRLqNmHJdL/YglDlivBUNjjGQ2ASOcCtVU01N44iNtT6o8qT7b53nt5Xl7fJwMZzndn9KbFcNstluojFPMuWRAXVGAyRvAx9CcZrzLw1+0H4L1TRxNrupQ6Req5jeBg8gbGPnUhfuk5xnn1r0fRtb0zxBpkeoaJfQX1pIAVlgcMOQDg+hwRweR3rU6S9RVcWzRRhLaUxjzTI+8mQsCxZhknjk8dgOAMDFK9yYUnkuYykUTDayZcuuBztAz1JGPbNAE9FFFABRRRQAUUUUAFFFFABRRRQAUUUUAFAooFAC0UUUAFFFFACGig0UAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABSHODjGe2aWqaq8tzBczWkUZRJFLSMDJHkrwMZGDtyeew/AAS81G30jRpNR1ueC0it4d9zKW+RMDnBPJGenc18sfEHx3rvjPxXET5dnp8O021pHIWmCfK7FtrgbiV4YYwOhA5rpPix8R9R8VXg0fw5eNp+j20x+03BRc3JGQpUk4PzLhOnzbWyMAjyDybBEtrRb6WQy2zQIWJiXJw24BFJbOV4bJIAHXAXCcr6I5alRP3URXUUVpJPNrOrMNQSQ+Zb26BXAA2qqOB8q7D90YAGBgY4f8AZtIguJg2mXMyqfKdI0Z1+Rcn5iuQxZkBwR0Y8BgKcs1p9oA0PSJruZsSJctsEixhgEP3docbdpO3JYM2TuGLlpJrDSJIltBLOGVUVwjNbqS7SH5VXBLuwwSOhGDtBENsxbaX/BsR+dq11bW63VtFZxxRM0RmXy1ZsAeX8vJDRjBX5c4IwRGqq2aO6ksJ21fUhaWvlpILSJFQMilAFCE5HGTjoSsec4+WvLBbW8MZ1HWHkvFffCbd0RoV2Dbknk9DhQcLtAH+syGfZdBtd6skl/fqhEcIV9rFGU7iN2RkBs5ONrEgDC7hf1oGnT8v8x+oHTp4ZzfXDyL5pCXBdpGgD4KjauEUEZGPRW4zgCxpBElx52haXPaRMrkuswWTavKZZwcZx1XADDd/CMWoJNVSRRDZiCTJe1iebCxSrIqrGI1/1h8wrgHjIXgKpU13tpzHFNqes2cFqvltCDarKFhLHgBwWOFXgEnI+Unmp3Vv+CLm0t+v6Ibb29/c2gbTRZaZZSQxN50cZyj7yeHPzEgn7x6YAzkE1Mnzo1rDrAs2ZS7rEEjjiDKFwAfmbd5asHyTtZTyWY1ADpsi3Eup3t08MZ3S20t0zyMwdmMbsvy7SxI4GSTuyM7akstkk0a2mkSxQIojDJG0c+VVhhn3AliyM20bhztz8i4bE+v+X+e5Us5NIZYre1glvht+zq9wjuYi3JVQPlHO9h0IO/k5DB9ne3MTzQ6Jo7+cVia4uI3jVieuOAVUEljgf3EbrGSbjTazNbJIYbXT7SSJHXzZ5A7FIwBjawIJUxHHp5RJJyxdcQX0lv5l5qNvBags0sb2w3NKCrY2tnAG9wMdFWQ4y53mjBy7/i/8hIIr5PL+xQWrlYis0uzzXVWVy0YyABgBVEeMHKrjDsrV44XjIjl1ThohFcSwuqCSMgguJGJLMoJ4H8IZeA2Chg0x7ee3Sa6mg3JtJnZpZCAdioF+U5OFUsOA0hw2AVs2MoyselaRJaGPfGJzEoJVVXODvGWB+dTkgOqehND0Qv62M159BVZYVku9WlaR5maWR8Pwx8wbejFcZznB5OQCDeSZrS/aC30SY3QYMlwLKIbgU+cbQqgAkvhe3CHoVqW3m1BrMmNIdMsrSNmiPmmZWjkO4RgsGB2hjuBGWAZeMkFY7XVBYXNtJqEMKx4WZhCZfMUIY8q7E7lDoQT0GMrxxRo2Dkktfxf+QqXGq29w1rbwxnNqhiMhZkXJB2jHRdhTGSWCCPnooitLfUWui8d7btcmIRJMC0yozgMVLMxwcrO3HVg2cqwpZbi1lk32+onany2zwqkKsFCl8RwlMFx5eSeRgrklA1En9l3l7dx2tnNNBKABcxK0nlruZF2tJuJIAKAg4K4JAZCSbE/L8LlNnsXtJ45NX/fyqrSz26RxYYOpw+ACQGbPBOcAnmNaZdXuh+VPHFBNqLxYkLK0mwu7ANIcsccEKcg5by+oyp07f7RM8x0zSobaM3Edo0gVIpiFXdkIAvLFIjnONy9MSEF8T397CqmO1NllRMhlkEsh3kMmVAPKNMcAYK78DhAHdD5rav8ANIrfa/JvJIdN0lJruOKQO62aICxTaUwAfUNtJ55QjD7asNJqsDPZ6bb+Ykakma9m3oICDsGVxz5RJJ67e/C4kmtNUvU+zrqaxR7Psp3QbhNiPCsGZmBUOFBfIx8r/wAIIqNJabXmXWJ4bG3cPC9sYYmlG4F1AUAoSBuGcgEBccA0rLt+BHMmun4j4v7ZkSO3sL+KBZA07yiV5StyEw+WLEbndHPTHRv7pBJpl2LUm0vPIhe5cT3JsVhZkD5ByBjILcAY2srZOEXDZo9OvJJLXNz9kZCkRt7mR1kYDaGjU7iRuQgAgkxqvIYElwXS7uEvPpbLZsQyBUkVshI/lzkcDzsFv48KxAJJY/roO76L8LjIzD5c0VprE8qRuu6Wa7wHZFUMFHDYO1cAMAdyZ/1dRwJokjJBBPN9igAWR5DKy3Kq/mvH8rAbQCS2AOVjPG4mrjK9tp8gm0oCO3jZDatHGf3aOQFJySCZEQsvJ3MGBHmEF81xqXnCQQqbNYQVVJsNMNw3b9oIXP74ZAXlmXOCFJft+YXfT9EZ0VvplxbTwQ6U8dtI4AuFjztLcIA7ZO3cUy2cbVwMeYQbsE6pdRSNpBsLSR1hms/JMZdGJQ72BUgAkLu64Y5PzEFk0OqX8fk3K6bLc/P5KTSsq5csjAqxxuwd4P8AB5OO2KseRqZuI7kX0UlxdPE4QWIcW0m9fLKZ5BDBUOeSoI+bAFO3f9RSkn1/H+v62Kskl0mm3CX+kh7axBiW3ZEzlQYyeAdpwHJxnDZbOOK3dI8WeLfCXiKabRp7PT57xxut7l1CXThsO0y9A28SHIIwdyglQorJjDrFI8Ey3ckDFc2v3XznCEyFwVMSkKSu4hgpJwVpt1AsWVTVGSVFhDTPHGQ8SRx5IGwFwQAyqTyr887stXT0/II1OWV1a/zPbtH+P122rW1r4h0GO2ikh3ytaSPK6NjIXBUDOM9+qsvVTXrVprGn63o1nqWmXzNaXLoY5YF3bvmxsIwcc8HoRzyK+NNlqPtVvJqtyYZpZWu5FuId0bEkAFsZflJCSD91xgAsymXTNQNi0N3pOuXllHkSzSxX8izTOu7cSdwABWSRQQMnyTjG850jKXVHTDFW+P8AA+1TbRedJMqKk8kYjaZVG8qMkDOOQCzEA8cn1pqJPG0Me4SxLGRJJIfnZhjBwBjn5s9O2BXzN4P+MeteH9eQX2oJqOgyzL9qF7ePPPCm0HzY2JJGQclPm/1bY2k19A2PjrwrqcPm2XiHTZEwDn7Sq9RkdSK0TurnXCpGavE24Zo7iISRElSSOVI5BweD7ipKrobPUYoLmIw3Uat5kMqkOAcEblI9iRkeppWS4iSQwyee7yBlWYhVReAQCq56AkZycnrjoyyeioTcokkwkDRpCgdpXGEwc9/bHPpxUoIYAqcg8gjvQAtFFFABRRRQAUUUUAFAooFAC0UUUAFFFFACGig0UAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFV2dblnjt7nY8EqiXYASOA205BxlSPfB4oABtumR/wB9GYJWwDuQMQCvI/iXnIzkZwewrx/42+NRDOvhzSbox3EtrNHeS20KyyqkihfLBPCdVJ4BPyYZRuZeq+LHje48JaBFb6TIkep3+9Y5XQsLeNV+aQL0ZslUVSRlnHYGvlK6n0qW+3fbn1O+Ziz3M8kj4Z2XOQqEOpLcg9RvXqVxnOWlkYVKlvdjuVJrTS7RJJdWvvtMyRxt9k8wuSQpCJvUgFScE4GQvQg4JuQAxWMkVtpLRWHDuXm8r0U5mYAgg9RtxuBI+X5KlhklExj0nQme6k/0VHn2x+SwbavyZO1QWU7ifvAZJwcuMN1He+dqV/FcHa7Ti0s/M8sFdyEggcFT0IB6KcfMVxbucrk+v5/oh7pq9xFK11Np+m2JuGCkWxPmLwUARhnaPlABw2OOduBVlGntIA+ozJFJb+W8ZlAziRsbAgG85V+cYJwxyWMYlki06zle+1mWW/u4ZNs9vDMZczZJdmPADbjJ0wAFBG7cGZu/ybNL230rCSOyTKkiRxSgSYSRQy+YMkyqc4+6ccAqAhbaf5fmFhNaz2fkaPo8qjAjnuLiANuGGYEtvXBzE7Zz3PTykNXmfUts8FoLa3nBkZnuJneREwhXLDgEusIHzEEsi4x5m6KSPVXgK6tJZ2FrbiaJoYR5qllCD5gG+bjbgAnkrkDzNzJLb6fHalr+5eXT4Z1aeLzQyzROnyODGw24YjjaTyT820qFbXQlyT/q/wDw5AbMy3UqSa/LcyZbLJKII4CdwJPX5MMz/LztVuOdythtNFleE2di17KAJTaMWIijYk+Vv2ZOQQoLcgkMCMVJbW1skKxWOkEWnlxtPezQgCZC6hh87rtHz7s7sgqMYALVdDavNtCxW+k27O8tzNLmdvK3HIPGHKpvBAPOCvBIBP6/qw3Jrr+hVgeY2EUsGkb7nAaAzeTGybcuxVAvQSiTAIORxxjFWfs+o+ZJLe3lst4JQlsixFxC6oqgRkuACMKCxzn5WywbNQXFs0kc9jHqrx3KRJFPIArKJFADAyZzjeu3Gevzj5TxPcJY3Fx5mnW0l1FPKd90FlkjDlAuBgk52jzNnbeFJBj5NN/6/Em93p+rK6yafBbrJd6hcXBktkaC2MoHlEFlZP3f3zkqd+BkGTI3CoGl04RkGwW5ZG2COZPmd2BBd5TkdFlbjofLyWC4TRhjura28qxsVtJlt45HkuI3WGXafMxGE3YYmdcrkY246vsWby7yKVIZLq3innkaZ1Du+0hMFt5B2owW4BGxgMDPBVgXV9Bc1tf1t/X5lVn1KK4VpbK3hUiSc28jp5cjYIVWABL/ADJCBjaQcDq2+mX1tcppaNq2oxwCG1EUkbW4KRuSYwRtc7iRnnHC7yF3KMukS2tby3v7/UrmWWcKgc5VFlGxlGEG5PmCE8H5S+PmUZfBaWRmgSGxuLifzIUkkhDFEUyhUkDOVQE5GH4BK8jDmjWK7fchcydmvwX+Yl1LbxW89zcXl85gkZ/IjnjKMz/vRhoh25IOMAhTjG5RXtYNMlYpa2FwyWzpbxO0JUTbSwLMGB6nL4JXqyNlQDVlJr6GNr2LQYw+4mSESYj2mLcqfL8v3Aww2GKkoMnkPEespslu7uFruG42t5SFsylgGk3BwNwZupwu7Bzh9xaT/q7FdRTV7fNL+v8AgkbSXUhikTT0s7Fwkis0u1lRUTavAYrhNmXGCw8pvlJO54TU7+ES6hNDakySzLFHHN5iMH28gMowT55XHG5pQACcCOWSxtlX7Vqs0zW/QQkRZjZmcMqJkgPHLGuDyBvHGxaI20wKsSrcak+4v88QklQImPKyuRjcrtgtwGibPL0crtp+n6hzbNL82FxE0tosl5rDWseF2wrbrAbcHCtu3EkrtaFSAedwPIiwUkOmXcz3F3cXfkOJN0AkYbVGHXBz6RyFV2jEm3JKGpdn2ZQkWkX0nmKIy2yNxHNvUttAbOwloCGLfwFOhJEkVxepCssFnHa5Z0klM8r2/I8wo6Rx4wI4nU+okDZIBNG6un+P+SJu1/SX/BKFpbWLXEUMumzxutzHBGogZ1w4KgldpLYMisASu8LscE4JkmZ7hGuI9DmcRw/aFgJV0WFVRlDKCGYAKob5gCpD4B62Wi1NXkiWdphNst7t4Yz8ztJtDkGUL8sjE5yAHRTgBt1JcJLdSvqOjXTXU0ameNX8pGdfmkx93B2gqCBnOGQdjVKOzt+D/UHUTbd/x/y/UkZdWXVoo3jsWnZ1+zf6WyNFtyCC+ArMW3tvIwHyw4cA1Ql95cUk97bKGgjWO2FnvCSM7HKAkZIPmAkdGVkC7QoJMdLmt5Vtr5VhhKrKZLp5QwjKxfJgAv8AIu7hVyr4BBSmW8lhqkKOY2aaW3ZBeC1lbzZNvmMRyWLb5JEY7gOEYDANKzilfT7kNa3dvwb/AK+RLJC1reK13r0lpcMzjNqP3bngJhT87gJIjZOdyMVGPL5jmWJWeQ6k887QzLMjyxxowATfjbjG4IdwDBtroRuwymyxQxKTpMkscLbpIZFW2LgmDG5yAFyjRjCg4aLcDhzVW4MkWnh7TTljMsKGOZ/KJjUzEHcN+R8yxsWY8N8pAEtCa6v8QV3Z2/Bf8OI0ujSxyoupTiLLRRXEkskzAnfuchNuQqNJ0AGTGSdrOKYV0maFbYzypNdRl5b0uGJk45ZzkbQ/zkpyFDEDkkaFyuoyX9oLRLQqrC6aOJmh3pgEKqlBsZnBj43YaQKTggmCZ76OzuZL61spSsUqXETXDfJncGEeF2q6kSY5YDOOcqCRcXv+o/eW35xIFh0+0ZJ7HSFRIgJxDcW8ku/KiRQccsAXjQHKnvyGIqRTbb3MOm3SW6xxvDhNpcKkbpuIUnJjCliMYbLKdrYF2ZtWhuJJYvJVkcNNeQ3TRLb8+XvkDxhlUSkkAAYAK4xg002940qxQ3MMDM83losBTykDMERlMnylXLJxkrtxuK4Jm6S1/JgpN7v/AMmRVuZ4ri4uvtNk11I8zIp+zyAE7ndsjooYbG2ncA0hZcDKCS3mlljnmjtWF15E4eOWRE3R7kYkAcqeCSu44MgdByQJCZX0qT7NqMNukuWdDlfKiWSTYwjB6q7OvLHYIidxVlqQrcbobS4b7LskkXZJbeXiMqkrAENuDDdGQG3L+7JRz92pfJayt9zC8k9f/Sl0Ig0tvDcQxWkkysjTfvLZYwB5bZZWHJ6XCHawBMisi7hiqcV1Ywyxm3069FrcyBnniiDMCWIGTIB5hOZUOQFw4O0lQDZ8md0jjgu4oUkACpKRH5YYFgrSBnGSI45RxglH2lWGGcZNaXUku4ksx0aaWabcLfcTGDIHXOMupb5TnyiRtIOKTj5fcwtL1/7eXyOj8AfEq78D6o0qWd5e6fNbLJNboWVZOpeUbhksFWR8/KCDgkbQT7db/Gzwm9qHuJLxJUISZY7GZ1STGSoYoM98cDI7V80oNS2h/JhgQI6LO1y5bO1BtChS26MgMflyUQr83Ux3D3CWm9NPMebZgyWsv2nDorqWKgqFj3Asu0nZtHUYFUqnRNfidUK04K1r/NM+w/DnivRPGGmC60S8juonX5o2G11BAPzIeRkEHkdCK1/IX7QswZwVQoFDkLgkH7vTPHXqOfWvjuy17VtE8RSajpv2nTr2KcJugjWcBciNwxUkEqAM5B8wBWAUtk+5+Efj54U1uwlfWL1tKuo8HyLmBlyNqZKsCQ/zMSMBTtxlRjJ2jNSV7r5HVSq+0WqaZ6akksKW8d0fNmkO1pIYSqZwTkjJ2jjueuB3qZJEkz5bq20lTtOcEdRWdZeJdE1G0S6sdWsp4HztkSdcHHHrVkRQi+hkitc5jkIuE2hV3FCQecktgHIBHynJHGbNi1RRRQAUUUUAFAooFAC0UUUAFFFFACGig0UAFFFFABRRRQAUUUUAFFFFABRRRQAUUUyVpFhdoUEkgUlEZtoY9hnnH1oAbMZGjZbZ41mABHmDcBz3AIPrWL408V2vg3w1Pql1h5MiO2gzzPKfuoP84ABJIHNa08ttYwT6hdiOHZFmeXGSEUE4JAyQMtge59a+UviF4/i8XancyX1+X02QAw2bzMIYkBVd6ADExMhXPXHkyYwDxMpWRlUqKCMXxDrEfiLxFdap4mu/tF00iKbV5DKp5ZkXaqnbjKKducL5nOWQNUAuXAhh077DbbGjP7wW7OU2P99gGyCB/CFBQMTtVsSWt3IpvoPD9kz3sXlKzPtgGXYAP5bEHh/K6L1SPOBndC9nPLbmXVtUV4ZQp22sHmKU2kyFBySwjU4bGF3DONxYcr1ev+Z53M27y/H/ACJ47a/a2nS8nW0SWCdZyIJI5YpPLLAPvQ5QKzDIwSNwGTtDUon0dpPsoM13GSY7mQymSRuGdjGFBDsMkFiNpKgg4ORZW0037Vfi6kkvGj8x7m0tnkkOFQMxOACAANuSoCHbn7pFPN9qSTxfbtOttNgjcS+RNKsSSydWU4+5+8JwPlK4x/AcD3t/X4Ex1vb/ACC0nuv7Pxp+npb3uYvtYnkjQPIGkALxqd24sOm0dVB45Z+y8tZt0l9Hc6l5ao32YIrmI7Ou9sFR5buDgE+ajf8ALT5XTQv9ljtNXvJrCO2ZIIy7pGp8tnjA37yRkxyHuBvbHAGaSxaPex/ZLX7Re2vzCRvNdnJIUKMDhQNkPzNhcswBIUECWpN07v8A4P8AXoMcadBcWMUslxrdzatOd1sSxxncNyB/lIAXJ6EORwY6ltp5oZDJZaLOpEyx/NAUWKMoUjEqLvZlMjqQdvO0gZP3bttFfxh4tO082Xl70V7tRHIWdkYkqB8yLugK5PLEEfKWwgjnF1Ip1a089EjFxh1ikKlmBZAcnCqzM3A2lEftTVm7b/j/AMAJT93X8/PstiCYXkmjwz3uoJaRQYkUWyNvYhPlU+btzgGU7cfNtIB+dTTr6Sztrd4Na8po1Vi4tLllMuWEjLs8sEKWQr22Egn7tLEmmSYf99qsrttJjlzhSrAlmGEjzGrgljgDnkRkU6OWWN3W2t4YL1jJLFHMy2zSZOdghBO7LoV2Hk7toz2eidv1/wAifl+FvxY2OCKxvpDa6NIscUhILQpEkhRirFlkIaMFxkfdIG4fwZpRb3j2tv8A2fcWEMAA2zRfvxIOVy2FABEKRkgjOWGdpkIqa4s9SnvozFqEiSxKGjOnqWaRlPy4Y/fzjcORuBDf8tKopdaSY5GW5uLlrkKYrZ2LyQqij93+7J48vy1yRnKNkArimou10vw/zFzqXW7+bf8AkT3CiKRln1BYYWLvsinRV89XDNGMlmABmwc4+4rgsMAMmGmxSxKlrfzxklpLuCIvuIEoTLMQpGUkz1G1mHBj5hM+oJqJDeHIBFOrpERItu/UyZ4b5WyZV2k84ZMEx4GhcjVLgwyxXUltNEyXCW6APcZUleDk7jvjbBx95lH/AC2ODdL/AIf8ga5Hq7fNL/NkcE97c2LS6VBZrLBL1LAGRhE2H2xKVLBvJC4bIcqCP3nKiKe5d1ubuzjW4tpYjJAVCq5X5A24ltqrKGJ2rhE3ZJTFMhkMmLq5vb39+ywx2/kmGUPznKjJY5MP3RnD5AJjyM23ttMa3ku1iVtNVXFxLMpRpyxOHQEqpdV3lR/eUpzuGXyWfb7kCad3+jf/AAP66GlJLbWt0l7czzyu5WZozdC3fchLnI679ylchPvZ6bhSTadZ2cbxLZSXojhRA7goksWdpkEkh27X27gyk4VlHITNXbOe6ea0mi060kikk84QxTlFZHYMYwyr8p3soHIwVGeFJGdFDLZaJ9n1eWLRhGPJ8yKQORgmN1IIOTuR2wpP3mx1pP4b/wCb/wAiYt89r2+5fldlgvewSXUNjpE0MYM0sRuXUEgSlwAwyGYblVkP3WTBIyQElNydQeC1S5tvtTLcLN808I+Qqrhn2Ak+VJyN2UkPUpiqGmQKjSRrJeT3EC+a8e4OZsxh3kwmXK7j94cMmGz8tXrZbW/1lbS003Up5oZY47V23pH5kbbCh3ccq6MN2MNKw4DCqdotp6fcvzBr7S1+9/frYSytWW+eBL7UZVdG2XAEZjI3FcZ45DzjdgEqVz3ytcy6XJfpZ7ry6iuXETwwXeCIxyepAJICAADne6A5AqW8t3DyBNHiDzKQn2WcRtCVjLo0hA4UxySgqD8/l8ZKHNu7tdbbWFsLqDTr9zJ9luIGlcoN0iphpOpAkMD+uSpwQSamD5ra/i/0RU/dbb/Rfr/kZtysWleUosWlkliNs5lSUxCPYC8m/b8ylN5yvbaw5UVPIw0u+iuYPDtu9vb3AZ4/tMIjRHYMB5iueMOnz5AG1Txkimvp8n9mNa31zFMkMMgmggiURq0e5iQ394Ik2Dz82MjBqS5S2sLqSK41v7WI5nfzrOMG3WJuA4RQ2UVnz3Hylcg4oa0vb8H+rKUk3yc13r1f6L+vMSKe7+w2Z0s2k1uViKsrMg4ULgqVx5hMSArlvmfurZqe6tdQvrUpbMLW7lcoI/J2tuMr7hECwwC8dwQrKhXzCvQ7qxWFneaTbSW0mrTHyYoiVifcblVCAJt+XAPlAc5OOmcVO97o7jzraG8HnuFt0naV5HkKqzxs464lGcLkkT5PJ4XlH9CnTas7fg3/AF933D78+fYIuqXsVsDKpdITkbFRpEDscncy3Dqo5B8krz1GhbpNZ3SJYambtoonFs8cMapIVxGQkb4yPKeCXOcfuzzkZXOmFva6NaSX2jG2jS1E/wA0IRtobMbAAluZRcJvOBho8/w1LKqRTCTTvDcsf2q6iCRyxLKdzlzGpycuSv2hGAxyiE4IxS9ppzX691/SG6V/cS7/AGf+D/S0GTWdncSWcd/qEqtujDHd5oOSispULlyCYpNgXJUNzkA0iX2nWN6E+3XN8kyTxuxuhGZISNzR5UHaXCrjIJJcj5SAafcmHfNE+iyyyLBduq28Cs0TYIEjMoK+WCxjYZyNoPB62rqeRLqbU/Llt9QsmlkjhjMRKsqSfOo3YOx8A7QxCJuOABUuWm6/8CKUejTf/bqKpm0tLe6il1SS4kjYgRpKQLzYwV1B5CiRBvDEkknA7ZfNGha6ge/muljkkneJJgBcyMHBlBBO1ZEVX+buwxwRma11K4WeaK2sZbVraYb7iNg7QxsquuAGO5I2UMjANuReuKhkt4BplnI+jSRRXFpHcSwiHe5VjIHZQBlUYEuhP90AnGCUqvd/+TA6T6J/+AphOlmluHubqXczs8rtOU84b5UDurAGPJSQHO7mcYxgAWDZ7vNubO7uY2tW+1NK0wDwiPg427lLRsWwuWLJcIeMcVnns0undLMJaw3LQO1zZlSFMu9GY7dodTN5bgkADbjPFJB9hnuLeW1a3lmukuI7W1gkHmR8xgggHAcr5gRgAW2ofpa55P3bv0lczklFe9p6x+f5ImbT2NvNLBLIokuJLQM026TzGgn2R8jG1tykPxt83GTj5YmtLmWeYxXsp3xqbeN7bc43Fon3LtB2EyhWVQWPmbwDtIoaxtZI91pbRh7aAPcMrtxGgLq+MsGCshjdfuhhEBgmi9hddSub+S+uoN0zSGV23MxdHiSb5eVTd5e44yPMAwcAFJySs+ZfiV7spaOLv5fgRQ2+qmG2mtbm2dYWtJ5rgnakA3IFd5Cc7VOAGAP8Y420s8+q2ouZ4EkM3MSvL+6e6klOH/dMuSWxhkyQWDYLdamSxubXVp7PVbqO3WK6K3UQhaVIouZWSQR8lNhbBAwChxj7wryPqUK28txaPqk8SQW9vBHliwj2HaygESRg4AZSQfMXB5xSVZOVuf71+tv1/Qv2TtfkT9H/AMEkCXy232G7tJbVrWCaEPHEZlRxI/7ovGSSV2x7SxyOOdpBKT60v2y3u7hpY0YK0ZmVlDELG4BZgBuWOTYCDhhGmQAQTA2oQWc9vbS3TxyTR2rslwfLym0bFZlyoxE6bX6gpyF6GZ5bOJLvbYRwqLjzLZLgMBCGkYbJFI+YKyugl5x5vPoujjNq/KpLy/4chcilrzL+vvJZJIppHt3Ec4kdf9KaJgoGAhT5lJQq0r5VgAwkXGMJn2b9niC63alO+o3M9sm62WGVpJRlfLYOWJwh2uB5ZAOdxHAIHmvgn4eHxveatDBsBtAVe6tTsWUtuWNkIBV03RHJ/hZcgnOB9E+CdK0bwhYWekW+potzN5iyRXOI5byVAoLqrckKqn7uRg5z3rOnUw/tPZrSXY7qMais+bmidpRRRXadQUUUUAFAooFAC0UUUAFFFFACGig0UAFFFFABRRRQAUUUUAFFFFABRRRQAVUsZYtQt7XU1inhae3VljnDIyKwDYZM4DDvnkcinxst00c8MsiojOpTbtDkHacgjPBBxjH4ivFfiv411UTw6PpfiEWVqltBJcX1i6oblnzkB8kxDGwgqejjnplSdlcic40480jmvjL46tr/AFzVtI1LVBPpFrdJEthCw+coqhty43bhL5nOQMR+6k+eQx2sFoc6f5ETIYJIdpiXd5rtE284dm+SY4weY0HUDCRX2jfbGj0u2OoXiCM/aJUMhBVQine2cY2KcDAzKw/gWrDT6nIZBGBDcJFMkolM0fmRssX8IO3Kr5QwOWz1yFY8stXr+P8AkebUnKT6/kSCDWL+3WOSf+z7Ur5fkkmWZE+YHDE9SHlAHrMg6uuKaW2iRNHBLJ9qmmdIZpAWMsuSHBVAB5wLRY75L9ehFjUH0xZDb6rqBuZ5U2CAylIz86nlVI6nyidx+7E/+wQ22uZRAkVjpcUzIVZrS3EflsH+RBIjgFsymLsMgA9dpDafXT8DCLfLdfh/myaxDCJJLHR4/tS7Y1MsHlmZ3BKkDYA0bvtHYFX2nAOaIILhLpnXVWur10RWNoQHdNy+VIVducsY5DxklznknEs1sr2a+beRWOn/AGcLDlAGhDxMvzE8DCvk4HzBWxyRWbeKJbRJLfFz5IYTR3qPesvSRyrAkD/WMCRjOzd16KOu3+X4sWjdu/zLMP8AZfSQ/wBqTJI0SFV83ZH8iocH5VAjWLlsH7wP3afcf2lcWjSQ2S2qJnfazL5wkREwBsAOOCFyOn2fJ+aM1dDX1xZo8CNbkM7rFeSySFTIRI4wSSfnYrg8nyz0YvWLd2VpPcrJKYm1W2KNetBcNA7IMqXUnIJIBYt3EkZ67skbSlpv9/4vQSdvi28/8lsi2sbmxlmvNQjtoJlUJsi+zlfklVVYtyMGSZcekBA6rlha0+yGW4gmhSyeJZH1GPf5ikuGVGZuDtSRht4JL4+YJVi0urJmilsIGvJVtxH9oEKBpF3Mu5nwCxO2ZC3Od8YPzKKgLa2+pLM0cMckdtO00K6hhbiEeWXGzHJ2ccddueqVdnJ2dvm7/giV7re/4R/PfsXY1upV+zRmFYZdxV4HMnmBycbSRgku0afN18054ZqqQC7tW8h9XvPLsik8ZmiWJJFCqUZHIxhmSEZPQEHsamu47GWSS3n+1Xrszo4d3ID5G1GEWFOZfKBHXBbvtxXtFaS+gs/DsLaZqSXMf2OZrqO381SrmMuoHzHaU6jnJH8RqFNLfT5pfldlcl43S09L/O7/AEQky2UFlJLbaZPqdtGfLDSqd3lKgXzF38/NGFcbRxu9FFW401KzYWhtJ7eykeaRJJZFkWFfMbzEVVxgg7VIAxuRiODmk8y4eyiuL6WOytBGkvlRHOE2hlj3N38ry05BB755zll9HsNQOk+Suo2V8WZYYLonypUcK2ACOGMbFQSchk7qDVq9m7X/AK7sXx2j1+/8rL/MsXa2tvJcm+1C0mu7WILAZ2UGNgrB/Vs74nPOcl0bgs2Us7+x1GEfY7QXUsJimIDeaY5Au0n5yOCYgOBj98AeVQUt+uoI0TabpdrF5StJHNMFPlqQN6gD7mXjZwq8Yn7bxmePU4LizjupNasFkkjEk0dnEIyJMAsoLH72ba25xyZWPY4nnUorq/m/ysi/Ztar/K34Mq/atVt9Rln0jSryP7SVUhiixOVl2h8D7zCV4WGSTnP8LVPcRzpN5EuqadaWdzavCHu4txSNlZztycnb5aY6ncw71j3GoaJcym2vJdS1dDbyNG6SHbbyfITIIwOBiN92OoPqM1tPby2sj3ejaHp8VxEyTwszKzIylZVGAM5xEqgDqZcdW5qVVQmtLP5L/gjdBuHvf123f6GZNe2s+nNBqEl7f3tyGgPkxuMTkFtmOBu8xlG3B6H2pbcaTq8kVnHoUdmS8zxRz3RUiN2DI2CeMI684wQoPODU9lq99dCTTdU1eOzvbaCOCFgoVZEC/unD5G3kxHPXA3djnPlSRltrzUNTYWR+/FpUG0QxttlZCV6Aea4AOcYIpqLldt2+/wDWxpdRtFfg/wAkl1+RrSWl5eiCSCzs7O7tt8sM0zlRgo7tAiDGB5qXHBHfbyOaztTkZo3SPWbS4htUVhHG4jAdAsRxhvmH7uB8DOQBjlWFR6jNaafLZSLps2tTxurvLePJIjZWN3QEHDDzRcg44+8easWwn1CGLVY9Itxd+RFGktw+2OMIPLUBT32yWze/UEZxUKSvfaPy3KVNxjzdXt3/ABd/62K5vtPTRYhqt/cTyTRswEBaJXw4JAOACGEtynQ/MvUAmpLYW8mh2wbTdRuUdPIxGshV8pt3Fd3IDtasBgAngdqn0fUZtbkm1S6S1ha286G4gW32RpGxa4IHP8QS4UjHTAOdxpYdS/te+uZ73Ws21nIkUdwsYRY43UW7DBHJKFWHPIjk6dQnJro7/P08v62K5Xfl7fm9tloMhhuzo8d//YETtK6TWfnFH35kLIoz8zgCKRApOTlRgnFJEdQ0tdo0ZlhnPn7N6l/sjRNhuDgMYtw3YGSMnJ4qXTNRutSE1zPeyxS28z+RLkYjZm3qpJyqotwIm6n5X9KzJXjTS4x/wkc0xkt1Es+1zsxC5W3DE9ATtIGOGPaqgrtprr2/4P3ilzLR/wDt39adPM34FubUXUU91bxLbzzRX7Ru7SROsrje8mAWb592RyRGOQTijU7nxBJq1x9ss7PTTJKFSIycWwSKBTIB90gKYZOTxt4qpLf6ZpVsNOWxOmxx3MyQTzrvafLAhpscqVjcIyjBGT0OaoySaZdWsFm0VxOyJEokbcyySGCNo1JU4IVhKoB+bYwUEbeOeEm487XfpHbv+Xp63NPYfvNunaXW3n/w/pvspp15DL9lsDa3sipdxItwNyTFdpfB5DJseOdT03F8Dmqlza6jcalEi3ZubS5naPKQ4Ljfbvt3Z+WPJjcEcbiR3psd7oE1vNeXNsttJBNBMlr5JSG4DkJLlMEbYmEu0nn95jPygVEbfRoLEahZ3CRy3tpLGhUCNoXtmicyqf4TKEkUbf72PUUKc7JNP8N/+Bv+AKklNy6+afa/f+mXrITut6ya1Ckk2VEXkgCW1nQDdIx+7G03lK2CCCztTrKyvmtrMWslvcajdCElI1O9zG/ltHKhP3gjEGPjKZJwBUM2jWVzZmPRb+5ntbe1kvXdrhiHgWPcVA6YjliQEY5LL2GQ66Rt91qi61fRJbXiuvlcSC3kJ/0hHUAAgSoGUckkg8dMnUcVu1f+6v610KVOM3Zcv3tf16DrZb5YVa0miFhYpb3c00krMYEZoikgbB37CGTA6YIxxUUNxq9hA4tLeCG5tg1i8EUq70m2CKRGQDpJ5aknuxwpyaZdW1xbasqWqWt9JFIfLeLKxOjKTLBGy5BXd5karweQV+9TH1SW0tRHeQSXAhihaG3liEgnj8mAjeo+6CqIVJGQM5yc01+9+GcXfXVW/wAv607lqm4b038nf/P5kpuZbRbqxMNygQm3ER3bx5RfMbFc7nj82PEhHAUAYxUtxe2Op+dcXkkd2tlska1cKXkQBWVwBjayxB0cDj90gOSRivHdWzR2cImtGmJUrcthmeAIreTNgHA2zlM5wPKUYGwVHd29vqd1JLb2cTZv2SLTPLKG1Ta5mCN02KTGwBzy3QZbdpKDjK9SmvVf16fd6GcXCXwVGvX5enZk6Wdrb3C2MAtjNeSxPJJZT+X50cgXBifoPLkQ5UZ5fp8mVpSWsTwWptdUeOynzBbLPMrqQcM0TFuE4ZcZ+UOM8dQl8yi1vYbW8Mdu11JBiX/XFsJI7Z4X5WhjU4PIYYHcv/tmY3v2ueRYtQRIfs6+Xi3uJInVlJJ6NgOMg8l+uGNXTjGelKbT7P8Ar+tipqtBc9SKku/67eevb0YyWTUtPjnlaC1nntJ8r5UJ+UhndowMfPCUJJA42EdjSrqEUV3LNaRzW72hxHZIfLmhKL5buhBDK20BiD1IOc4NEMoIRbaIvDAbYW8F4puYXmMgK854G3crADBxjGelVf7Ou9wljt55pYkZJ5bnImmO15HkY4bj5wRnntkjJuU6lO6rR5kKFKjV/hvlf9f195oy3EdnPcxyJbzwWcwuZU8hMtMoCSCSEHoJBnIIGGPYkDa8K/D288Y6hfweH5YbS9tHDve4ZI4gI02w4wCCG3KSwG7BI+6c8pHHqX2ZLua1kubCG2d4pEcn7IGGFDyR8/dCj58cADjFe6fA7TX0/wAP61r2rRt5MsixvO64dxEGJlOcq2VkAJxncjZ5ySqlKly+2pT5el/PzIlUrUE4VI82n3/h9+m7t5m18PPA138P/Dtzd68loL+6McbGE7lfBbb0B3OzyN26FQBxXo9h4cjm02ZPEMNvfzXe3zo5Iw6IqnKoCRkhTkgnuSRiotBsXvrhdZvoVCYzp8bg741YcyNyRuYYA7qMjPzMK6OtqSq2vWab8v8Ahl/Xfc1w+HhTbqJWbKunWEemWYtoJJ5IlJKefKZGUem5uSPqSayJPGNpFc6gsthfrZ6aZBd35jTyItib2J+bcQB6LWtqMF9PbKumXkdnKHBMkkHmgr3GNw9uc15xrPha8n07UdI8N2OsW1xdJepPJeXrvaypLHLwqlygzI8Z4QEAHnrnY7DvNL8QR6jevZzWN5p90sfmiG7VQXTONw2swxnjk1rVzWmNc6p4wbVW067sbeOwNti7QIzOZA3ABPGB1rpaACgUUCgBaKKKACiiigBDRQaKACiiigAooooAKKKKACiiigAqEuZmX7LPHiOTEwxuzwfl4PynJB7/AE5zTpjMIx9nVHfeuQ7FRt3DccgHkLkgdzgZHWuY8Y+P9F8EGGK+WWa8ug0kdvboMso+87McKoADEliOFNJtJXYGL8TvH994ZaLS9ESJbu5hLvdv8/2Vc4ysf8b43EA4BIHXOK+eNWnt7q/gk8TSPrGpSFvNkIyXkcc7UX5MfKyrx91IyPlKhbWuavrfi3xJdXWt6l9huJLnZHDaII2GMBAWZ2EZUqSV3dQwz3HOXMOlRw71iFiQDcwkNItxaSq27YWy29QrRgMQDgcAHdWD/ePS7X3L/g/keZVquU7OXolq/U2pJZbiNFhtUkjlX91EEVYJUMJcAh0yCDhQAeBHEMHarGby7j7OrX9zHZxKo3RW5+6B23noOCDgAgQ2+Dyppkst3a+YY7OKyidgzvKyoS2fL3bE4LBI8kfL8wnA6jGbqFvp7v8AaJHN1ICY0nulV443Qf6qRE2YyZEALA/6pcZBIXKFnpD8P8zkcbv3tPXV/dsFzc20OpJb6bZ2rXDKp8+VvMM8bsImXzA28H52HJzhj02IRZs7nUJre4M0ckMEbumLuRpZkGSGQAcnl2jGWyTcKcggENtHN+sltHZyraTAvG1ycxxZDM4XzBvKq8cLnO47YnPRiDbuLaARRwapM5a5fyxbW52mVsKQmerONmB0BfycrgEVacU7R38tX970CpeyU19/+S/4b5FO91Wx0y4m8yQ6tfw7y0cmCpIBLHYAFKkjnjJjZhnHSLRzHqEinSl+021vJ/obzwrGyqFXNu5j5O/JTkbSWJI+Y06G5luDLf6fpxkmOy6iBi8h4JUiZlUj7rxA8pnJO1U5zWhc2d0LmSK3mjt7LJjiit1Ejsq70C78YUkIsW75xldwznJnmTdk9f8AwJ/cU48kdV9+i/z+7zKdw7/ZlbXbwvZSIgleJWTJkAIZj1I2ukhOVO+Z85yappHp8d3bvpGn3EAWMXtpqFm5JVtx8xGZgchcomMkDZnHztl93BZM8UO5bh76NUguo4lusyRyLGw8vA2LwQgGF2eXwCCTpRwPFaTPFFa2E0RUsI0AjcMZpQAocAKdy4BPRYT/ABfK6kkvi/H/ACRVNWj7v4aL73vZ6foTQi9ZlmuLi3tlj+RoVXeBhoWbLHbgjEa9xiGU9c5wtRtNNvJpIb+7upLy3ZRayRvG8TxyROyKcKBv8zblT/Du9KuXCJc3pt73VkkkvICttGUeKLcGlYlgjZO5WAAJ6XJI+7inWv2lrOUaTpMthbzEGa1klXYkypDEXQbSdz/aGTpgeaG6pkEpcitfV99F9y1/AVKD5uZL7v8A5J/Pa/5Fy4nuk0uU2dhH5ZilLeWqW6j93Nv+QfdOwTHAHDbPQisTXbAT3EB8Q6j5MbRKyX0VnERKRKfMwwO44Jkxjg7VHAIq1eS3cE1y82vQSXCxS3K2kUaRqzKVkAVmByvG7BGWCleN2abp8sOmINS0PR5tqxO08MyiaNWjlMqeXIxB2/Iu7H3lDdDg0r8kE11/7dX43f4FU4vmclr57vb5JfJNGjaWkLX1rdw6ZLLeOI2SSfzJESViGx87HGJtynuAvXOSaIm1+KQpDLEdFe6ItrzykdoNsEfl5xgZCeUDnoQc85zI9jr155FtDqllB5kaxW4CYeVjDEAr7iQrYIBweHLfhTtptNnzPbxXV0t8Fe7sZowVS5PmeY8Z4AQbcDOT82Ccgikn+753rfr/AMFt/kVGN6jitbLbffbRJWv6mleajpsO+aLU52ht1TKDZtbjCgnb1ZIrXOD1EnTBxj+HPsN/qk//AAjFrLaEWcQuVuJztLecq5UgFh87RN1H3GHIbFX9UOq6lpUM8cFpY7pUciZE5bzrs7hkkKFPnLjk/IhHUgY9lY2SXt42s3l5Z6sLiWORLNBGsn7yAAIAuCSHmJA/uqcDuOXNS362/mt+nQ0pUoxlKK0dtlp+C9e5u6m1pdWk2m6zqNlYPcL+7bcXEfDMCeMjBi2fS5b3BzdJs/J0OR5b+9lkC/6NJA0qgOIy6KmDg/vFgXp1bHXaRSuINO1CGef+x75WjBR7m4lIWJgGTLEtwA81v/k87ENtr+mQW9hNrNv5DW9s8D2zIrqGeIqFY4+ZWMTHPXYw3LyaqcpKypyTf3fl19RRpwjFxneK87P7r3f9aFfSNPTXtcuf7M0wwRzwLCDfXDEqsknlJ8uSSAJYSM/88wR60uuazqxefU9Klt47X980tqkgY7Jt7gvjHOy4xtBIBTnpWFq8EMhub1tWaS9jhhYQwQYADKpC7t33VBAzzjCj6dMlvbG8W3m0PzJ/LbfDPGIoostgpkkYVZmkXg5wvXgGqnSaqc1WS5f69b/gHPT5FKEW3st/LvbpsULbWIbhLm5vNXeLZKqSuyo7PuG+XygAAqmQSEDBAEnQHOYDaaXdabpw0W3uFt5U2zTkbrgXUbHJX0TbNCcDGdo5BBNSRXElj4ftLrTYbB7i42JNbw22JMAup+Ysc8WwYnHWZqR9PTwtphW21XffXrzwGOI4SweORFLsScnMTNg7cjPHqM+bmSUNk7Ja7/htve/T0N+WMJSvpKWvT/J+e5Ldpoeqfa7XRdFmaW3mAdd7eaS3kqXyWyRvSRSCePtGQM0Sz508R6f4WWO0DQi4hd+bkgTlGXOc5iMgJXkMFIORzBY/2RHY3EJ1K48y5kjWS4nyItrowldTwHImWNgCM/ugQeuEtLG11m0tbWfU7iMJcwRWyzSjzLaF96MWBGNqvsYAY4kPPORLmve5k7LXVennt+upaopRj723m/x82X/s2tQabdfbIolvZIZJYYQvyLEbLDPkHq0QJGf4o+ByazpJdcGlIjWtsqPC8t007/NMzCUF5MkfMSpxnJ3ItX9O8NRXU0Mkl1PY3cemPLbpFMpaS5QARR7scs7SJgdQOO+RSu7C9uLUXTXbzJqhAtBNIXySHbYVOcneXUMed2DgZzXPGpGLcHo15bb/AH9/ludMaKqWcWmvV6/192vqzXTUNXtPGH9p61DZ6hfRPI84CBGupoMo8RI+XAAVuBghUOM5qrbXup24hjhjdd1s0ayiNW8+ZSzRSgkZIWKeFcHtjjAFZt9rmq2OpXY85L0xam8wllgAWWXzSzMNuAFbYMjPqBitp59Kmu722spNtpNaxTaLK42us+1YHbp8uXjYnABJVT0qqeHlKKcUmtNLdOny2JxEo0GlVhv1T7frq3bsuxUbUrZbO4EDfZl3xSul6TJCku+YNbr6oUmL/UHI54sj+z5bWe6jtYxfWiRT6TDgqrI5ErpgYXKCKYY5JaXH8IqhePpzW90J420y6hgkv5V2KRNJLFb+XGoAPyiQO2DghW65zWFG93purRziPbe2sgkMUq4+cYJ3DdwPm4x1yelVCFObtOPK/wCv039e5oqcprmw023uk9fPR/cdEdNtbK3jms7qZLCAh7m7tv3Uix+dCDG5/iI3xsCAOecHORntcanb2sISaGRIo5YhCCHWKN18njHLEhyV5PTvg1Y0vUGvyFjlWQ6pJCL3T2YCOSNA4ck4JUAKrZH3Tg8kKRRkuBLZxX1zDHbNOokecwiQK8KMIVVc5AcqA27I79Bit5YetQV73X9fj/wDnpYmnVk4VoK/47f8Pqat3fm70jULeVMQalcNfjbky2jlHkCAdNhPfjPB6jFTX8txrU2oTlftdzeSs9rqSlVuDbASOCwAA4CFCflwPl5AUDkHlmsNz2kqoY8RsYnEiydQct0IOPu9MY+ptQzIzRCCGSD7RH9m/cSnG1zuJ5IJwSwwTjGMnjJ6o4WliIc8V7y/4H+Wq22MqtOphZe4/d6f8Hb+rkuoSxS3JuI43Vb+FjbF02P5AZolXCFVLDygMBcHLZ5AqS11I3MUlpeql2kcO2Anh4WYJCzBccnaqnB5GwHPXMNxd74Yofti27Dys208Rm/1cKqjhsH729zt6Lx7Vm3Uk6GJ2gSAQtjyFRsISAcsWzktz1Ofl7ACooN0Zcj2/r8jpqQjiqXPJa9H1+/+r+lze+1s1wVlu7wRzk2itIiDEgMPmucj+KMYJHzEYDEgkGAXNtqkc81xIZIFYJ5XkoJEhBYoFKxnaVVSxK8EDHFZ0cpls3j3Eo6lEHmN90EyMNvPOVUDPHOcE8iQXEr31ulrLNFdysIw00Ch0BYEEOPmJBGM4Bxx0JFGJw8UuaOn9ehGFnKEuVi2d9LZFTZZglRCIGibbJMGJwSPmBYNtIxjG3I5wRbhkjWzkiWZ1S3jkETK6KdnzjcNqkjcSoPPI6nGMUdacrHa7iTMy+axfKujHgggYUZIJ7nPJPOK3vB+gXHibxppenW8PzvIkkvks6GG34JKHoNucgnOWAznkHaM1Vo81TSxlWpKFS8Ov9f16n018KPDenn4ZWRnVRdawjX12rFnjuGmJcKfMJLAIVU884JOeSep0iyttVshYrAE0exkVYUtwEt7jaD8oHUopx6AkY5A5oR2T3rJ4TtY1gsrW2WK4uYVGBBjasSjkK7KAc9hkgZwa7WGFLeBIYVCxxqFVR2AHFcWH5K0FVcLP+vv+f8AkaRw8qVVtu/ps/kPHHSiiiuw3CiiigAooooAKBRQKAFooooAKKKKAENFBooAKKKKACioLmUiN4YJ4Yrp0byfN+YbscErkEjPUAj61w2q6xrOiakdPfW3ntD5Zu9Ult4gbAEt12qEGcD7wPWgD0CivMLbxlf317NYpq98bW2lkSO/sdM+0XFyAkLBjEsbYT96cOFCkBcE557vQdTkv/C+m6hqDQRzXNtHJJ5bgpuZQcKckEZPHNAGpUc8jxQPJHC87qpIjQgM59BkgfmRTncRxs7BiFBJCqSfwA5NZmrazp2gaXca9qt09tZpEm/zSQBz8oCHoxLAY6k4FAGgIoYHlnCqjSYaRvXAxk/hXyT4i8YXviDxlqdzIpuY/tmEjiYsjwAMykTbwIRtjVjkHALNyMqdvxf471vxfqUCzXsos4rySKOxs08lPM2sEEjswBYbWbaWw+AFGGJHC/2hd2y29vp9nBD5h82wjYZdjwFgKA5ZslRkA7vlyAC2Ob2jqr3Fp3exwYmpCX7u+vZbkkVhLa2dymsX7acPJjjmaIhmb5SrO5K5LAl0wAPuFcknNRvqdrp1jutYIrQMGjuXKGWVJVjG0Ovyk5AXMnTf5hxgrSvYzebc3b3bWlncQyLCXlFxJtK4ZWI+R1+V9rZBJ2HI3VJd6lp+mQsdKt4dstsXZQwcpGpCZDdJCuNmNwDeUWHDioTU5Wj77+6KOWzive92/Rb/AD9PO/oOS0v7yOFdcRbKKaCSG4Qy+YQy48t1Uj92w2lSdzEmGTIB3ZA1hpFzNhvPv3LBTOweWaTcNzHO3OCyIMHBVJzwWFQlNV1OGNZ2FrACzfaFbc80e1QVSMjcDsWM/Nz+9JOfMUGW3jstIkkupJd908aK11JKCwKNgOrH5TmUHH3SEt2JB38w2p+7fnfZaR/r7y+VwV37i+9sVJ73WY5p7Wb7EI2intp7nenUgTKVKsrhViDEZXAjJGfmyWek2thHILiX7VPPJEInuQEhEhYLGQBkKQX3EHJIhcdHOEmvLrUyf7MX7TcAyhXZXEQBxuAf+86LDEAOMu44yDUsMflTLdperdXDKsiySYW3Em5hlkA5QI08hY5GEHODy5Oz5JO7/ljt6N/16EqLUeZe6urlv8l/w2vrcadfk8lDpccpijhe4smkdY1UQ5cJuJw5QCNioySUxzk4pf2LeXrJFq9wLYW7hEEIzFCu1FZWAZXDR45JOMxtknk1K2pINQWDSLWS7L3EBgs5APLjLEFA5PyLlUhBIOTh8kcmo0ieeyjW6XkRjMskpKgqpkEirgMQ8Ydiku3JkByN3A5ez93byjv82XCm3epFf9vS/Rf16loX0NrbCDRLBUmmhDRQxkMqCQbgxfg4CeSrMcfMjnHU1Xl+1Xaot1K9rBKsdwLCMqGmgkbGYpzuU7EgiGCF+6wx8pJS6v4bVIvPjRpbR2ktLaOP/j3Zh50kK4yUVHdUKuT0f1IFVrORoZo7+5m020wY3gtoS5VhBnLDgkBmYSAAbWk4zu4X8FWl7nktZf5/18zSNP2vvr3v7z2+S/q3kWIbiw8MW6F4/OuIjgOkWJkEaswD8kN88uM5UYteM9ny3ep3pu1WWK0FkGumSICS52pyrgDC4/fg55IEJPJQZVLm10Qh4lntj500qW88iyPnyFjdDj/Wo8jbVP8ACI39WxRY3F39iaX/AECwhkNv5ykeZHC6LAoLA/Nna/yD5sBz05CuoPnty376yf8AX5/jcaUqyu/et1+yte3/AA76mla6Xp9tqzxXrG4dXlhjvTIXEtvKoTLKfuskRmbO1QCi5z0Ne6u9TazihFq2jW0TH+0WVQ32eOR3iciHO4qNxA78Y96fEDpcLGysFingcXJSU+bJIy3YjeBiPvAll5B5EZ9aylL393JZQSyG2KzWv22Y5eWEv5kbNkfKqlVZj1AJOKV1y+0l971f+XpuVTozqy5I6pfJL+vPftoTwR29pqQbWIFTW9Pvd88V3N5kd+Q8nmgHkBiVC8KeRnNX4Ly4tNLtjpMi2ViY1cz3eXQ4BXMfOQfNS5YK23hhkelS3lt9PlS9gtd7NYx6ikkjZcyIzfe9/Nyc5OUVc8k4j1LWkg/4l0RjNrGZLZlIbaYSqiOUbfvE7pZOOMu3YirhSlWjztWWmr1+5a63/UctKvsoXk+y0W3Xy9dLjZNI863YandXF1LaXLw3dnIwjaIGEMkkYztOGWUfeOQFO0Zq9p8sukvs0G3l1WBczMbpgjDnzSUJUElo7aI55ABIxlhio1sL2dr69le5uufOnnBOwxsIiitwGKRssrHkYKjAwcrfeIFsbWS38pleCaZCYso1qsnloEUEcjyrY856S47URpTxLtHVa6vy62X5roOb9j+7lq+0dF976X9O25DcWV69rd3Wpaq88VrLCt9a28ix7o3ZkO3ryMKOU6tnBAyXz3ljbxvb6PbX2rRxRMrSSrtKwtmJRnbnjzTjj7zqecbayLKN9bm+03UqyzKpSV5TsEKqpcycct8iS8AE5A7kA9ZBr9rpd9Zyxwy4Dh3XC5WBZluNp5z5oSGMc8cnnvTlGpUqKFOLl0fb7vyNZKOHp80naT1Sj2ttfrr/AFoMtl19dNlbS7OwtrZdMnV7SXBd4drb27nKndjLZ+Qd+uVrstzri2226mE1xOReQtJ0lY/OAuQB8/mtjIGHHTtRgzr2oadawXQsXKrZsC/3IyyoehGfmZm29OvNTW8d5pkJuo44pP8AQnuYY2TBRGd4pNx4+YHPQ8gD6C5U6eHrcs0nLyut/wBe9/MI05ypyqXS7XSvp53/AC8g07RIoLtLi8huTHBFDLbpLKqiclgrxgAHjzNwODkcgjOaisv7LEt1barZr9quJh5bOz8q0kRAHA24TzDu77sdudK78Q6nrWp2Wnaq9vZH79usY3ENdSicPnDDjzFOCVIC4znNQX9noqW8sMl9HJL5anekgLMVi8yRTnoTI6IvXiNh25z9pJzba0fbtccIw9mlVbU/m9jVkS3v7JI7WyMcqWr2kSSSblkktDFL52cAKXiZ0wAeTnPzHGd4gszPp99q0flRm4lSOSx4ZoSPOD7SDwqmAHvkYzjocqyuNUMVsmlwTq1xIkUMp+VS4jKugJ4+YOueemK0pPDs7b77UZ8Txq08kOwFgzMiqV7MplnUH2VsHPFGIoUKNRKlLXfv8vnZa9NjTC1sRHSpJKO39L52t82Y8Gqz2KOjN5ckbCe1wNrxSgoRJkng7U45710c1zpVhqkZnhaTS2WHUhBEC4jfzQzRL2ACPtPToOmaxdb09U1QWNhO08ryG2htoYw7vJG/lrnnPzfMw69QOetJpGk6hqECW1tHGY7nb5aF8NNudUKK2CqtuI+9jrmuyNShLDt1nZ6evX+mc9aiqtbnoba36dtfwG6jZbrSxGnXCSvHbxxzReYTlnDS5APAVVZVPTDBu3Jzo5pEaWz3sI2BMRJPy8hgR04OAeldRNbbtGk3OZXNqYredEw8qiURwEDqC4Vlx1CovTOTh6mkmrX8s6J5l0yiQpAcQW8CxLhATz8gIUg427cc54wwdZxm5P4Ve99P66+h1VeVwjTveX329P61NC61aXUrkvepEFujIlzMqMQ8CeW6DaCDhSOCGyRx0Wsi3ivJkRrlnYKyhBLIEXJ3YyxOQcnOPQk5FdBa+E1S0f7TItzcJMbRYNy/uJRF5yIeeQ7eYu4YXCNzyMSXuRd7LGPzFuR5NsSuFh89UInYngs6CVQvBXYD2FFbERxFRrDq/wDX3/rbUxoKlgo2b9LbLff5W8uhyckwS45w7srAhCw2FlIKkN3BOfSrENzcbY4rSURuHVhiLkLHlhJnnGMsSB6VbttBfVtSU2cEz2QldWuSSXmwQeh6MxZVUYGWYDOcmt+PT9O0vDwwJd5aNtiDzPP3A7IsjqHlDBsHGxODkgHWWKfJ7GK5peX3f1cclS0qVXZdnuYF5YNZWM1oCsciOUw5+Z2DbSiYzuJ4PHygY5JOTlTL5N0VhUxxsDJCGkEhVGGcFgBuIHB4HIPA6V0snmzRJFYeZfTJGkCi25eebCrv3Dnah2Iu0kEgEHB5k0/w9tiinn23GyUm3t2kEizAtsVCTgYLlhvX5Ttc56GsoVPqyvUfvPp3LlVeIlzbRMq2019SgN/KwhghkUtviAPOMKCpBYbQuAMHLYAHWnatbNPG8EUeyaLG6F5Gd1AyQPlUICVkJIYlsxvyM4PRzSw21kdjtNGiIY3GVaRYXMcUg7hnJaNR1WNBnOQ1Zkely6hdRWsEG2ONA8rctbs+5ofMQfekJIXk9GEnbNQpTk/b4h8q6f195l7aP8Ggr/11OfskljDwSxyltylURFY5P+yeozt/IDuCOntNHt7S8S5u7hjcPEDHMyAJb7sxiRgCQgSbYpY5yJCVAZQauafZf2bbeXE6SXMjcXCAAvIxV7Yg5xz5bludojP98gVXuNk91MsJGy4UTRFlwMgq0KNk8qdrKEx8qkO33TinKtjGqcLqK/H+vyMqlelQu95fl/X/AAxRit5tXvI7aLTjd3dxvKRW8QG1QhbaoZGcnAcbjjDDOTgk/QPw6+G3/CGWdk9usdxr9+ssQ88jbZBGw7HByw4OQp64APV6yPhp4cuNC8ODxLd6bHe63qTj7BayyGN5lcluW2n53BfJKgYBJwoLD1nwvcQ6bdNa67byWWuXkrljKpMU2WZgsEmSCoyTtyG/iZVziu2lOCpNR9PVf5XOWEJV6jU1p+v/AA39XOm0yxGm6bBaiWS4eKNUe4lwZJmChd7kdWOOTVqiis0klZHqBRRRTAKKKKACiiigAoFFAoAWiiigAooooAQ0UGigAooooAz9UsrVoZL94EF3bwP5N0lqJpoflPKDBJP+yOvTBzXBafd3mi2TaZc3muQalKyvawS21p59y5J3PuRyjZwc72Xpx2rvr5L6O4W8trh2t4I2aSyjhVmuDg4AYkYPT2rjRDfa1FJqeseHdXg1NCjR+VLArWy5OFhO8hmGTktgHJxjAFAFRJUF8JNDTWR4kHmLqMaQ2zTciIsz75BF08nGxjgEDscdho2naNf+C9NtLaJbzSjaxfZxOmSUCjaeeQcY56iuSt/DFzp/m3v2DV5J9RuHlzb3qCZFZIl8udmOMMY9xKfdJwvAFdXpWl6joPgnTdL09raa7sbaKEmbcEfYoB5HIzjg0AVrKGbRPGlppFteTy6bdafc3AgnbeYXjkgUbXPzbcSngk9M1518c/GFtmHQoZMCxlW5vWkQ+WMrgAg8OoV2YgZw5gA5at3xX41/sPXYtS1WzutMurPRrxVQxecJZHntFQRleHBbjsR1IGRnwfxTpeuv4obVfG+mSaY14s1yloW5eJsec25Txw2Ag6Z3MFUMTE5xhFykr+Rz11OUeSLtfr5f8Ey47q+1WGZbS3eGFLZCs8zBkdVJ/dhs7WwAAW3DbGkxI4YVda30u38yYmWZctI9zIcOARu8zttlUnKnCbi8YNVb513+TbyyEWrKYhEcuhJEYQDGCzrhNuMMqs+CODnQ2kt7diDTNTxMJGjW7ZztDnJ8pCOZCThsgFuARliorn5XOPtcQ+WC6f1uefFLm9nh1q+v/B6InlQPqAtriPzb6SR8p5pURhfnZweSPLKsmV+8F+XOBVhdKh8lft7NPPdGSSaCOIAQM5Xz4wgzh0/d7cEHLBSoIYLTtVsrWbPh67S2lYblKuGfaP3qE9cFdu5uowApBbpFqF4xt0ubN1tm/dSxROAFAdcLFyRtCNuZT3Vg55OauMJ4nVe7BdOvzLdqDUY+9N9fysul/wCtCe7uGiuGLXxZp2YTNEcyXMqn/Wxr/tN5a8D5jGzHbjFINPmje1nktN9wNsktvJKCAxCqqAjJIlCuVXPRc4CKWZY4FtIVu7tkNzOoWOcRksyBVUrGM5OVMYT+LB3HCsCYJLq6QJvIY7THlXACyKoWT5hxuSN1weFQFtvI5iDdd+zoaQX49Pkv1NZQWHXNUfNN/cv6/I0W1N5Y1njnZmjJMYEZMayxnbAyPgeYWBlUYHDF3+6tMTFxqVzC6tFpfnPClwz7TB5iKjZOMJGA6IX6fMCN2SDh2NydVvHMsiQwwyq6sdqxh8bVGWwCAFO1T6sTgbjU51VLmK6MSp9mgy7ZZvLbkNGjN1PzZOwDllyTgZDl7j+r4fTu/wDItYey+sV9X0X+ffsbdoYR5C28ChLlUjIh/d+YJUKgZ7EhWhBPTczHqDWVLqM+owslsY5JLiPfK2B5bs/zMu3I2hdqrg4CqpPAIqjqmoPAtxHIxkZnYmUggzFyGdyQOC4IwOykg9cVRnlL2os1R11FgkJiRCWboNuQeSfl4I6jGBW7orCxUYfE+u9v6/qw6FP6zJ1q791bL+v6/M6OG5iS+M5jDxzuZvPlH/HwAwy54yI/MyWdgAQuABgimSaxGFSSV2KqI0Rm5LxJK8jufQtcHIGeACDxgnLu9TF1HJJOFc3JFxKikDe4yFiCA5WNMEYPYDoMVn3F6dQuv30wkA3SOSQvmyPjeQSMDoB24Ud6qjQhRg61TWX6/wBb/poKUZYuooPSP5Jdv60/BaUVzPcSxBHjuJvLfiIhdse4mTJyAinczBjyCucAEGtGfURDCyuqRPGry/Z2/hlH7q3jB6N5ay+Zxnq2fblVnnt5pLe5M3kXDqZkXhpQpOBkjOM9vUDuBixPfZUBo0QK28JGMCEbdu0f7R4yTz8v1qsNhY1qnPU18/67fp92+L57qlFWiun9d/6dy1q2ptPcSx+diCORFcscsSgwMDOWwS7c4zk5q1pzu8Mdnc74mngaG837VdIFxOSi5yWZVzuIwTgZ5rKt7ATaU9wsFwixp5s3y/I0YdE3qSRzufHGcfnhjaVLBDLKITOIdskmQUMaHBBIPOGDD+lYSnSrVVz2STOhUJRw/s6PbXvfvbyt+Bs3WvN5jXjIqPN51y8KH5VaUGNEx1AVCcexWsKCOS3k3PHNFhAXCjYwV0BVtxGADkH6HjrTZmmt3UzxeYCCoMq/K2F2jGOuAQRg+ldXp+l22p3N3FpU4nEwe4hink3lbOMSqFf0ddiEDPTBFbYycI2jT1Vv6/D8TGhCGGv7TTv5f039xQj1KMw4jT7OhQWdvas3IiZP30hH95sL8x67jj7vFF72XVNUeTBQSK01yEUtvVQzHgA9FOM9O5I610zWS6rA94Ykb+1lSa2kcAmKVvMLIR/d8y2cA5+6c9WOB9MsxJ9ps4rqCD7Kk5iEQMxhMv2WWIjHJY4Yegz3Oa5oYxQpez9m03pdefT1vf7n86dKhGo6kal2u/T/AIGn5P0pXPhpZkt/IkVkvYp7iKZsEKYlaVUPf5oyufcj0xUVz4auPtTg3cbCLexg8wgyeUknnhSeeBCRnGPmFaqeFIhb3MxuT9giuJUW0X5Sbn7NLLEEPXnbGvHLEgdhVWTSxLdarHBdykrbyysZGP7gsjzgKc5O6NZEb1Lc5rmoyqKVlJ7X283+i/y1ZdXFxmm3KLt3/D8Xt1/KhbeHb6wsdVm1FGhZ7aeBFRs7popY96EjhuNzYBPC56Cuhj0yGwkum1zX3fV5sr9mLkiSUzTKSvGCvmIvBH8RJwM1Tv8AR0ayH2nxS0Vh57rbiYjO0GOMShRztMTA4Az8pqnLoloTLq2p3F7NezzJstzB+9lndX3grjqJlIx3HbPFdU6VSu5Kcmm/efTT53tc836xHSejV7aJu7vp2ul+hHD4S02HRZb/AFe/mQrEJAsKA7iywNtA9cTMPT5R0qe2sdIuLK0mFrNLKwkEcTW5LMitES21M/Lua4UN/sY6rV+48U6P4YuEsNNs4r9LdbiLzMg+XukuUBDY5Yo8RyOygduJ77XdQELzWGnR+ZqD5xb/ADSR7keWN3OMZK3bAZ/54+gNE8RJ1FCFJa7Xf3k06df2bqTqO179Fp0/zIQ2sPp50W8tbmO2e8hvrWZosLFCLeZThvUKg2jr+7buKS/0eKa3e8vfEFxHJCpRgzrHsO2eRV7dXgjx67hjtTtHvdduruKz8TyzW8EEETRyeV/rUDSfLvAxjy5bg+p2Y6il1FdNg017jWJmvJxG6ypEpCEssgBx7P8AZu/581Hs5cz0lFr+WN4/e9vvD2j2Ti0+qfvX2221M++jstKt3hiv0XVPD87S2VxE+fPTzImjOSMEjex49PStOznvtTF1d6Fp/l2t07yJayvsaOaR3CGI4xgGWPB45TtT9PnsIry4TwtB9o066vlFvBchQkrZjcQfMcnc6wr04BbsCax76/8AEKaOZW0poII4omeeGQ5AEaKjnacjoh+uKlUlOpdNLW+9+t7NdBqo/ZKEru6V7+7uu3XXz3L0ml2ty6yy3JuILSS0ivLdl+/EYSiXKIMscRBH56EkEcYqtBc/YbT+zhNBdXFs3n2/yrlw9sqyQMoOd2fKXBHLI3cEVfsdNa5tLS+Mwu4rjTYYkVgYXDAPGASpw21xgE/whaivdf0nQyV02B4RNGw2+SMbTJIUDH18v7MeCePcmk6cqjbScl3ei/4fftcI1VFcieq6Jbff0+/fUfcvKbeZfm0y18qNUnuEywBhVIc7cjCxFRuJBVrjnqKibSbRZZ7eXzLu48ua2uUeZCbeVHQW9wuGClT5ipjHTzMZ5pEW/wBSu4XlsPskN9ZS20jMoeJ0O2WPG3JXCzQgE9PlHbFWpdIt7qyt7nUpJ9TOwyLtfarDGVG3jOXu4epGAr+uKTim1GLvptFW6d/+C+mlg9o4aytH1d3/AF9y+Y06ow0syLIZpooraTzYULMsi3X7u4CnAUGNmB/2pUBwTThpF1d3AivHXT5Lu4ligtEZQ5bzGlSMSZ2q2UCKeOZBjuC3T9atb2/tLPRxMqzORIbCHbJF84MJIPyf637OCSesY5wcVJa2+ry29s8XkWtxNJagI0hGLhVCQyjPBJMqE4zxGfQih3pq11F9lq/+Avl80R1b5b9by0Xb9P6vcrJttPD8NzosUdhKixXNtOxzuwHZlc4JBDqNvODhO5pLxru4tJksbC5CyySeWjMsQijaPIjUNg7oysi5Aw2HNWBa2ltcGaxd5LtbX7bZSXsm3BhQ7SADjf5fluBg+nY0JePcWzy6bFNNI6hoVj4W2lt2WONZJchJB5SrnBxyT9LpJ005Rjy36y3+7f8AH8BVZqpNczc32W3zfbTe1vnYT7BZafdSy6wfPkmAuZbYLuWAo2wlAM5CMXj6nAhY4IZafdzLBNb2IZU3tJbSJCDlfLby0mQfecGORwNqgh/NbnBw60tpbqEeYjWlrukmt7Tf90SFZsCUE7U2mDpjPmH3pW+waRJKukWqfapvKuIlY7JLmGQlf3btkNhVGeeTLJ/cGJXvTuk5y7vb+vRClN8qjOXKuy7bK/p53210MXWLm7t4bQXUfkG6V4I0Rd0ibtgkcR8cFcRDkcKwIBFdt4Q+GepGaz8QeN1NhYDdNJaS7vMfAwwePb8qsgweSQoPAyCOp+Glrb3Ftc6r/ZiTTGdHtbi4tD+4UKOBkHa3mGTnjJyc8CvUPDekSa3qEWrXjxNZ2su6CJFz5kq5GSx4ZVJyMZyyq2flGO+EcVH+M1GPZby9Oy83roc8KtOtNUcNFp7tvp5ef5X6PU0/DOkPMy6rqVs8LDixtpUCG3j2gAlP4XIyMdhxwciuooopaLRHuQhGEeWJy3i/xC2lz6baQX5s/tksiNNDb/aJQVQsFSMAlicdACayRr+rXsd+1hrSFNJ01bxpFswrXLF51KSI4zGy+QFYAAhiwwMYHQ3/AIUtJLpL7RhBpOoLM0xuYbZD5jMCGLjjcSCeTzzWcvgRoI7gWWryQtfRNHqDGBW+0bpZZWI/ufNPL0z1HpQWdPYXDXem21y4CtNEkhA6AkA1YqO3gS1tYreLOyJAi5POAMCpKACiiigAooooAKBRQKAFooooAKKKKAENFBooAKKKKAM3VL6GJjaXltci0mhcz3iMI4oECnJZ9wZOB1HT1Fedajolrp/jnT9HbS9MtNPvp032NjAEt7iMeZjzkwAzZC9iOK9WIDKQwyCMEHvWTB4T8O21hPY22gaZFaXJBnt47ONY5cdNygYOPegDhtG0TSr34jatol7plncaTZGVrWwlt0eCA+XanKRkbV5dzwP4m9TXUeFdWisvhpod/qs8hU2MHmTFWkOSg5bAJx6k8Dqa0ZfCfh2402DT59B0yWytyWhtns4zHET1KqRgZyelabGK3tmJASKNMkKvAUDsB/KgDkdV1HSf+E/8O6lNPbSQtpl4LW54dd8k1oilWGeu7GR2NZHxF8Hy+NvCM9hHK9zew3C3dr5wwFdT90KRtxtLoNwP3snpWxp3hG01DU7zXZbQ6bLcPmzWBRG0akfNI6YKmSRuWJB4SLPKA1peZq+m2zrdWsVxGGO2WyBB25UDch6HlicEgBawrTqpWpr+v66nJVpucuafwrte7/r5nzB4c+GWu+JLv+zotOfSrEM0V7dS/dgA2hkEefmckAAnJyM5zjFDxx4CPw2aTSTLFcC+TIupG2goSBh8dChIbYM54Y524r6qstTsL2DzbGYTXBIY7kKPEpOM7WAIzgjOO3oKyPiH4Ht/FXg+aN4ohqdrifTpWyDHMpBUBgQwDY2kg989QKWIqRlaNTyemyXd/wBemxzYdVIyfLt1v/W/4L12+TbmWGaRNyTLDDkyxvEF2gNuwVHyght/ynhRwF55p6U9w+pfaNPS3tbLaSquySYDMQTgklCcYzwAAobg5Ow3gjxU2sL4eg0i78sOfOikVQoXfnBfadp2jO489fTFekD9nu7l0A3t1e2EGpGHEtu9uBHG7AkgNGBk7mJGFyMBQcLV46pGnR5Ft1/r8fxNsDFRqpt6vb/gnij3U0uqyS3m14wrwm5iJCyheZCTkGRm3ZOT/EO2BUsswS1jjjcm6lYeWoZVUAc9SNu3dlsDjdnrjNS63p2v+H/E50nxJHPHqMO/bJKWkaRXORgk/dJ3HK4OWbJz0zhbrdSmV5WkuEbbsiRXVccDC55XlAAAeN3HHPTQfs6F4bjqxTq+/sMvYriztoZooZYGKsk84Z9xd1OUYkAAlc/LzkE8nNTwXkc4tHJWK4B8tXUn92B0ALMccE4IAwcYxzV2wtWuUE1zaPJayBtoRCI23OsQkQfNiQkPxt6L8oGAVorYrbNdFIpCqqxAUjzAoxkHPQYOcgcqSenFc2EqxVW03qup2Yin7SHND7kK8CGYxzBdkJjEcsiny0+bG19vIB5PJB+U8c1Xk097u1iltbUx4jUYAIMmeN3PqQwGOuKtWMW+OS8sZjb3TRyjaiiQOpicycbQF+XI9t3bFa9qlu1vcC9iu7a2uVN8/lAGOMNvVVaMAIMblYHaDjoBkUsXKopupHX+uxGHrU4r2cznmuI44xJGqwrjcIwuMkn65OCCBk8ADvmptLjC2/2u2F0ZeROgRdjxAMZcMe4Ux8f7R9q1/wCwLSe3iluNim5tRcy3MER8u2fB+QqCNuVMb5xgbjgYFMXwpqzqdPgQg3Fv9qt7aWQMVTeUeRTg94eoxlcHpxSrY+lVgoT91L+mVGk4Lmpu+pE+nQ6g1x9sllin2m+zIMB0kRTGox8qksQCTgHK9MYMEvhm9S4BmgHyw/a5LcttaODy/MBbjjIyOnXHqK1pr64uNwvknn0+Uym5l8oM32Z/LZMOvGBJG7BQAAVckHLCp5NSS4jLQtulaNl067lZi0RDRSqu49CWjmQHOcuRnArCHt4K1OSt9/p/w3/DDliU/wCNB+v/AASrowGm3FrFPqV1DYrfW1wk5U+XEkZZnb7pAOXG3HB3c1PoF3b3R01LwWsOoFoR5904CvHG+Cj55AaNyDk4ZVx6CtBr3Qb2cwReVZRT2jtaxj9zsvCphZWC4wrM6n5uixYPBNNGt6SyXV7eW0dxJLNFfGbKbjA/y3Fsv8SlmkfHoo61jNSkuZ0r37adv89Tn9pG7UZtPTfW2/p/SINPudOmtSEgjSW9sYxprCJcQXUSKsn4sYwwx1Mg6nNOa0057Ly2it47GWeK8JRtxCMkTTRH08oTthvvZGD0xT4vClkNVfQDqCObmaK2e8i2iPdsVkdQOq5DqT1Zsd81VXR9FuLOI/ZwqvbwJHKr7SgZfLlmcE84nR8ezemMNYVK7UZf8NbX+vN7gser+7U6du97fgvwNM6Jot34gkhsrp9P02KW4WFoZvLDLtaa1kJPLNIskiDuAvviqA0uzfVBNaTfYnug0l1CshiFvBItv5JwMAkSyE4zjKD0pLTStBaRtQkuGhvJzby2VtHsCn95JFMQpUrgNHuUdgR1NU7fT9Mi1a3ty0MxEbNdTyEyvIWWNHAXBC7G8xwSOxznArWNBxSfvaLq+6vv93z+Zh7fmk0p+Xw9v6a/4Y1dP0nTrC2e6S+mae5mFtZWcsw3Lvs5RHIV6grK6gNj5e3NZtm2j+H9VnhtI92oC2E8M90QUt5EZLhQB3JVNmQQct71eWHQZozeNCZNQXdFHZYaQJG9u6oXU52lZmRRjAXjjNNibw4JDqNhpqX13J5kzWgizbhY5I5yvzDC4jWUHHG3tzirnTi03NNrS95duj/V/eRTrTU/dbu9NI9e/ovzK0HiDT9N1L+yEnkFtHP9mnu2cyLPHl4nYDJ2/u3yCO478VNN4msLS0uPtGiC8h1KGOSe6kjKrLMRE7c4/vpMOOmTirNhZQy340uy0VRqM1wln9tKiOGLfG8BII+8CCr8Zyckdah1C61TUpr1m0ldTV1F/BtbdDCHP2ggjjdsDyKfX5h2xVKNGdTl0u1du7vbtdf8Alya1adlpukr97f16Et0NTmtmspLaO7i8hoVw/7mPy0WIE/3spHbuCMg5BHU1NBpfieyv1tLsWFvBGcN5C52DG/gcf8AP6P8jln2DWDYNa6jfQWgSLayWaM0y7G8jC88/wDHoOnXd78Mht9LbQ7Rbl7vzVtsLNdXTRkS4IO0biAPLktMcfdiwRwRVRnOCUKCdl2S/wCAvxMZKFS8qzWvTV/d/wABEbXHhvWvtK6jq92ZLVLby2WTy4mAnZWKqc8hJFIx3Ln1qqi+GTdW9oLO81WMktcyW7O7xlt6bsdCd7w4PfaB35fMmg+HtStNQtNQ+aaGaGWFB5zDpGXLZ4LK0jDjAKjjBrTe5W90+5t4tOnkjugfMWKJY/NZsHO4dzKbM59vTcDpyVlPWS1tvL9En+YnUoqn7ily67K3lpexX8P/ANpRReRo2l3Nh5jRPH9oYKolJjVHAYZx5jQP6YX6gwJbeLBcvdafJKtnKbfdDFIrsse6MxBQwwCMxj3I5zV/R4dfjiisnZrGSGKFrR2RZRIW2GLnjH702/UHjrkAg558Py7jqk90tznyEkt2n+zRSxbowi7uu3Zs4PI6k5FKlzczXKr/AN1Wf3tfqKpOnfWSs7fE+br2uWE0bw1as8M8zG0uLlXt/tRCssTnKgHsfLeJiePm68Cm2+tF7aFdCs2vLS3hlguLFYNyqhjZy2TnpJNPjknaB6ZpbiXQrbT7r+ztIaW2uB5vkjdJkZ8xYy/JG1JFUkHgoT15q6txquo5uIY57O+sphHdobtUVlcOJN0a5z+++0HpwJMdNuMHaKalb/t53fbot+hq3KXvO7XyUfxdxIzfXtsbyKaLTol3qkMoPyKrIwDKcAD5lXI7WhAOF4qtpdolq39qTx6mbeaKS8jklWMxq8qoXQDHPyEEk8rIn90VqRWl1LbyJqd46ybiP3SKDxJNznkEEtdjoDhI/WsKXSLU3kbXFzJb3lpcyedb3kEVwxIkjAyAPmTYJDtOVHlHpurSm243d2vTlX3rf5ow5oqfKmk/L3n/AJq/kWbAWsNhF/ZaxXclrHKYbpLLy3IVWw28AfMqtNJnOSYFHVasaoL3+xrq53rp4An823uRv8tcSptBHT76qOw3L2Bp8UzoyRaVpUZYt5iL5PkxhWeNZFzjq20RYxyJyOnWmmnXc2tXM/8Aaf2eNfkvLO2Zw95E0TF5VDZDGUKAGx95170KXJqrL0V3166r8gt7R3lf/t5+nRfnZiw6DAkTR3kz5S7kcyIoezaGVAfMjiONpVGZvUYX0rSuNRa4tjPBARFdpGsMcEgUfvRuEabvl43mIY6CADtgRpFY6fOu2aO4vUXMFzM4md5gzqHQnLcygNxwR2+9nOjvFuLdLbTNJe8s54Ss1hLGiNDh4xG6kYJZ1ERZvVmI61PIpS55rXvL/L/gsHOU1yptry0X3/8ADa6Dbe51K+1BTJcJYyLc+dPaSReVKxaSXzWUNlXAYYIxztQH7ldf4W+E+peJZobq3kh03TLKI2pvBlpJ5VLGQKhbaqkyEHpnZkAZ5ytP8N+MNRuLZdJjg1GNDIJJnchB1dAXYlizCRpen/LYewX3uzsJrPR9O0DSI5ZL37OozM3yQLgDzWAHIGCBn7xGMEA4xruc1H2VW0m9Oll3S6/PQ1hNQm4qmnddP/bnZ2X37jtD8J2SWUOh6DIkdpaT/wDEynAxI4Ko5j4A5kDcsDwOnJr0OKKOCFIoUWOONQqIgwFA4AA7Cq2l6Xa6PYJaWMeyNckk8s7Hksx7knkmrldFGiqSerbe7e7PXpxUIpJJem1wooorcsKKKKACiiigAooooAKKKKACgUUCgBaKKKACiiigBDRQaKACiiigAooooAztd1T+xdFmvvK85kKKqZwCzMEXJ7DLDPtVbRtWvrrVL3TNXtbe3vLWKKcm1maWNkkMgXllU7sxNkYxyOeuJ/EWlyazoM9lBIscrMjoXztLI6uAcdASuM84znB6VW0XTtSXWr/V9Yjtbee6ggtxb2s7TKqxGRg29kQ5JlIxt42jk5wADcooooAp3+l2mpR7bqLLgEJKhKSRkqVJVxypwzDIPc1k3Wm61aWJEF/LrBVWP+lCOKYttbG1o1VOu3AKjHXceldFRUSpwk7tf0iJwU4OD6nLnxBYyQrYMkmmXeVRobtdjAg4UBjw+W4BBOeauyoJLzT7YjbGxM2CeDjoD+GPxrTvLG11G2a3v7eK4hYcpIoYGsQeFpNPeOTQ7+aJIX3R2Vy3mQ45+RSQXjX7uMEhccL1B48ZQnWcWtl0+af5Jr5lYaEaVVzfVWXlp/mcP8VfAS+O9NjNt5UerWcqfZHlUFZN4wyOcZ28Z47sDXy/qek6romqNDrFvJp99atkgMEZOSCQQudoWPAGTg8jqRX2JeatNas8fiDTptKDLsW5yJrctxyJF5UfKuN4QnA45YDI8UeF9B8dWER1BIZGK5RokUyoTy0kTkEFW4JXGMjPXIPo4CP+zRh1WjR4tSpKjOSmr3ba81fp99rHytGq3c2IxE5lzc/8fLeYjIHESqzDIDGRARzkgcrjjTibz7gRxySWsr2kt1JDduzl5GZ2iEbbsqwcoobKkljkEFgew1z4Ga7YXfneEZYNZsFO1ILxykvlnkq2dqkBl4KkHJB47cDqNvqejM1prNu2ni4xHMl1BJtRZGDnbhAQEZFbAY+2fmrnqrDTbi3aS6dfuOmlKtJKVF3j3v8A1r6lu80uG8hkl02K6VprSaSWEtse0RAzKpBx5iYQqWJJO1eQRtL5NJlsLsTxahNLaKFubZ5wXF1Eiqpyob7uxkyuNwG5edpzBH/aEnnvBJsu5I3ayERZZTFky4CoWyBs+4em8HditNg0up3kEdq5tI4J/s6W1yMRszSbGiJIxEVlUcAZHbk1yaR92FWyXf8A4K+X/BN5Tq7zp39Lf5/1b0IjaTwRwxSRRT3cQie7mjdRHcWap5ZRQ3JK7WjOBjMYPUFjGt9LCVVUurcW6pFbzSO5NtIYAhUnkOjGOIgZIAKgD5iKm+16ldW9tLBb3Iu9RM7kBEcx3IZN+AMsA7qxKkYG8gDAJMrahaS3t1DYWN1b20Nqt3a2nk5PMaRyRvwQFfy0bfk4xgYJOKUpSfvuEv61/r/IwaUVpCS9P6+7yXZkkkkS3dvp1vcyafJIguXLK0n2S6iMsjRbWyCuy4YYAGWweOcw2uuWUtjc6grqbmzNvPbp8zIC7xu0TYwML5L4B4LS8AHFKuoWjWssxutlwt8LV0eMDywsMwS4IIyNocLjIB8skkk/Ln/2pZCyNzeJGYmljnaGNVO2PzJVkiV+NzsZBIOmNhwRtFL2DkruC+T/AK+X3ijUSdlKX3efp8n5LoXCNHuLJ4oADc3Dy6bcTy/LuHD2uSeNxeNQ7Y4BOccYbqL2slpNDJaNINkrR2cLBwnmPIoSPAHyxyeWQRyQxA4JFTTeIbTfFLrS25ZEie4ggTHmocRSqitzvkilJL5+9HxjqGx6pGNdt20KJ/7QjndbN7RMyW2N8kEOzaQcs4Ru3ykds0vZe7eUNVr8Wn5dO/b8aVWope7J29Pm/v8A8ie8vdHt9fil16BNSitbmNfs1tEsbTtGTFhEHARkEL7RwSTjjiqcU9tZX8Xn3FvNLG5guJhEkjFYN8RijTbkKYfLO8c7gTnPR0mo2ME9qLPTszykppcpjLSWuHEtvkEEux37OuOMjOOZTND9rkns7W5Y2T7ltRbsGljwzQSNLjIDQyBNpz8qgn0FRows1yq1tPe6enbb8N7EOrUVm3L7vl8v620Gf2zomm3CG8s4vtk6RNDNtB+zlHaKXc33iXESvyOC7f3iTQtb7Tzq1vb2MDRh1LSXNvb7XuwwiWRVIAKKDHIcqcfMy8AnOm5jknSeCxnuZ4Y3WQzxrHBF5TRKWXcQd5hCFuTkuvbICx3r6fY2WiRaetl5lwsiTTTKHdTG8EikKCVUlJGLjPJHA3ZrRRpRXS/rfp/TI56km2ubW/VL8/w+8isNYvr3UpYNPtrtUljjV44k8razSFkaVjj5hcGJgwPTcDnJqpFqE93c2uo6fod3LHZs93FCG8uCOGORW34GedgKNnjBGBxVyXVdWtWkgSaGM3ZRVtLdWaWVg4dHLYypWWTIHy52MpPTM5D2uo28V1qdxb6a+YzHp1pj9wctIWBLDb5aqdpJ4OcHaQ1xcIe9FL5Rbv5+vYmSlL4tv8XT5fjbTzZnX+l6/fSRxGzglltpEtUhEm4QkgW+9iMD76gg5ypx2q1cS6otxc3Q1NoLfyWnWOGEN5qSq0pUoOVXbOAQS2MkgnAw8rdWTeTcarfqrPAhtbJUNwZFkRWG8DGd6Pj3CEnNRXNroUEjXtvNJDD9nbyI5LpyFDZkVWAOf9XIkZ+bru+p195RS1t6Jfn/AMExUoydpcvlo3/XyRLNbaaZhcLf32nuJZJJGe8KzIc7fnBLAsHhkYkYzvU4H3Vr6ZFpFikdxpU+oai1xbRrcALuXzwXLLkAbfmSEjJ5BOcjo+Kz0m2knXRbXUNRtJjvWSUMTKHjAUFcAE7hMBnHBU89aWx1jUzqsuni4jAvEEz24tzbxjbLK6YfBbq+RxzvKk/LUSXucm6XeV/nb/ItOb95N/dy/K/+bQNfHT7iSBdJtbbT5YXTFxb4ZWYR5lHOOGtiw7/K3cir95FrM0yRRXNkiFSzC0kctICyldjAcHzIoQuP4nTOQSKSayudTEVtJBpUU7SyTRy3JZ/m8org5ClQTDK2QG+dU4AIJbe2zv5Mn9qXNjIA0ohhlT72wlArBFOBLDDwQT86jqNxLJtWf3L/AOS/yMXPySfm7/l1+YlraJJpMX2bVdTh8hWSEyrHDyMrGc7c43m3OScryeCuRltB4bswIxbwz2tzA0BmuLw+ZA7qGjcqOMqGTO3H3XHsbUFpp8zi8s7rVLu4dzbqLnDMJGdvKdQBuGHMLep+cYPSl1jVIoJ1zokX9n3VtIPOmCgxRyAlQo4+ZV8vAJ5KgDqDTtFStK/zdvwSRpFzbfL+Ct+N9WW/tN5DYtLo2lbIsq1t9ol6oMPEGydxIjkjTryFGDVO3OpXV1JldJtdQsoIre4VCTNOql13g4I+6E5OQfkPQ4q+41F7FntPsVhhibWFD9oXlzJFtcELj94ijg/d/AUDbXF7bW86+I932cm3ZHsfs7AQuyxqSGDHchY+vBHVeHSelk/uX/BMp8urkl6ttv52TViS+sNHtXlOrX004fywVluNgyvmqjbUA5xC3JzxOO4y1fTjptnqMPkxWt1OjTRwXGnvJmcbwWDhjz+7DjknImUfw5FtpdOa4TT7C3ZZZvn89IBI0TICis4bnosfPrJOOuAtm2nubjUpIW8hp7ZY1km8oJ/BgMiAc/NHa5BYfMQOBIahyVnzfi239xd5paN27aRXbt+vyG6hd3lvbo13cw2CyuIvOeQuyMQw3cYHDGJ8hsjygwBKYFfT4p547b7fqLyxQtCbO9S5EayoSojSXHzDa5jzhhgI+OQDStFdxSXEzXdxcqZYIzBZxKyoBIBG5jkJJ/edMEZAxkebuWTTxp+nhIzNHcNcTKiSW8TGQIzjbgEscqpZxnoY0znBy05KOl//AElf5kWhsrX8ryf9fOxVbVo7XT4zollHeWEMRLsziJgvdSQoG4oSpK/xBj1wTbsbDxFq1yTFoj6jerK6mTyFjnSKQly3yAgqBIpz234AIxTEi1PV2hh07R5s3iMkummCMK4IUZUliybd3BIO0KmQcGvZfAulp4T8PTX+q2QjuGTdJbwvuSGNcsUG3r8zsAAT8gjHUGspTdOHPTjd9l/nt6irVKcLRqPV927/AHLXr0Vn1Nrw353hvwjY24tUj1OVWLQkb3kuZCXKLgcKGJAPZQMk13ehaQ+nwNc30rXOp3Sr9quG74ztjUdkXc2B7knJYk4tt4Y1O4vRrv8Aan2LURH5VtCsXnW8cOc4dGwWZuCxUoRhVBwCW6axkvPsKvq0dtDcDPmC3lLx4B4ILKp6c4xx0yetGHoRjeq42lLV633/AA9baHsYSjKlD3pXv5Wt8v6ZaoqnFrGmz7/J1G0k8tC77J1O1R1J54HvU9vcwXcIltZ454ycB43DD8xXWdhLRRRQAUUUUAFFFFABRRRQAUUUUAFAooFAC0UUUAFFFFACGig0UAFFFFABRRRQAUUUUAFFFFABRRRQAUUUhIVSScAckntQAMquhV1DKwwQRkEVzmp6FpOkaXfXdmBpm4iWVoAMSFTkLtPHPQAYPPBFWv8AhL9EfSotRt7trq2mmkghNpbyTvK6MyuERFLNgo3IBGBnpzVq2m07X7W3vYR58cUpePzI2Ro5FypDIwBVgcjDDIPoRTTad0ROEZx5ZK6OKktdfsdFgvtUtGupZI/Nm+wxSM6MSoVChLsThifuvgq33eDVEa5Z6lCEngjv0R8BJUBdHGRlg3CAHOSxB/2R29TrM1Dw7pmpXP2qe2VbsIyLdRfJIuV253DrgHjOcdqqrKnXhy16anbvo/vWx5dXLZKbqYeo4S/rtb8b/meVX3hvwTqLy3F/pNrbTuw33UHyOG/2ZEIJOPRsc159428LWvhy9szo8ci6DIqKsDT+YYyWKPHl8ffWRsZ4BGc+nvF14WuLGwU20S6zJC5KLOyxyhOuAcbWYY4DbdxPLDrWBPpGg6sJItUsWtZJ0ZJbfU9yvu+6RyMOOcB1LKSOCRzXlOphcNPmnCol2upx+9+8l21XzMqkM0UOWcoSWmvwtfPRf15nz2Z1uZHmik8tRKhitFBZ2hmZpPlxzmGR5ASOWwRxjFVY9QWSNbgfaJ3nV1mtEtnVVZyocE8BhKI3dV+6rHHqa9lvfgn4akujcWWp6hbzNucyi4DEFwd3DHGRubp6nrVHXvhHFp9n/aVlq09+LeJLeW3yu7yIhuHlnhQQQrLnjIxxUPMcFVlanZLa7T3b77fj/mVTp1FG7bbXROOyXq2779+m2h5hJqt2+n2jy2cokkRHRkt3/fldxhd8j5nk8y6jb+HIB/hGZEa3nkisZ7O80ywllGyJbd2a2Jy8IT5TuYSiVCxHIlOPahc3kUE0MMVzBCmSA5mXI3Id64YjIkKxyK/3UYnnJNNfXp9UlN7/AGXJeeZOj20klwCZGEsYkV0GS5b92dnUZ3YI5rt9j7OVmo/j8uorupG8Ob1ulv66afp99mPUJUxFLpM8gFqUnSS2ZmghZNrGMn/looEzBmwoGfSpTLJPqclrJb3dtqM160bJvSJHkkR1eRnLBSRNvKAMAenGaR21WzuPtMQae3RdlzFC/wAssXlh5EaQqAoMMRJQhTyCM8gNlsnlYtfyWJZYyjyPK0gRdpjlmij2BnypEvBOdu6o921/d+5sfXr/AOBIVNV1GfUDHbWckbXKNOscfllsv+8Xy/m+RUm3AEZPO0/NxU6nWzJNLaQW32EMNsSXLeUq5aaBnBXJyJdq9DhCpC4NHlavNcfY77Yk0hJMyx5ZJm/dSCRs4x5yl/lYnPzBcEgVoPtsWsyTyRy3FtcOZLd0YQwIhfeFQHcGcSSMpXB2PkZNWkrq1v8AwH/MzbTT0X/gX9a/0h72k095BJG2m289vE5a5nuWcOiGIL5SbVGRCUORwynOQQQLMS3kvnWJ1DT4ijJOsjxN9om3K0MqgFshVAkZjkc4I4ORV+wKJvtf9oRMkbJA7uoFwyeX5ikKBuwyqu08EfMhU4zTfI0pZr9BqIt7pnWaUs3mSsmfLcAjhQo8xiDnckinA2ZGic7q1/uX9f11M5cjjbT8X1/L8l2RPGxeS3tG1eW0klilaCEQIZnmZ4pEDMF+TMoGScgFGGRu4rXI06LUoraXVtSttNupGLw2zBz5fluhfGDgBSCc5O12AAxioLi88Po0uS8MkluzRtbZkIkCllBIJUBmfnGSHjRsgHNXJ4IZreN7SynijU8SJap5ghRhKxJk24bZGCpwQSGXJzScpKzba9WWoRWltH/d69/6+8Gk0+xWV7uBjIluIrlYsyTcbQ7ZBwCDuYHJBKxnPam6fFa2VjJ/ZVrdS2UU0imd4laU7XLKwjcqDkeUcezDAyDUMr38mjtBDbSrHDbCJLiW7QMcDyzhzlBGGdxkkZU5BwDjRuJdTvzK13Lc29+pHnNc2zb0IRWDgnYC4VUBG37wBHDZpXT2t+LBqSVm3r5pfhr+o2znv7i3fTm82S5so1snW7coCAvARkVlIVjMBkg7SuM4OGC6vXuGtrjU7G22xTy2qR2heVxIYptjKDxgsxHLfMrrzxToo7sTWMFxqF1K1vBEg3QfupYw0ioUlIUEYLMGGco2ByhzVku7SFf9E1uNZLdmVklwxaNmMuQxwgYs6KV5KshboTVxv0uvkl/X4mTjFvo/vfz2/RD77SLfULyC1e+Rr+ID7MbqQKJMFm5K/MMFZlYgDLGE9yaPtsEenb4bNLm6UxSFbRGm2zKjsHLNxyYQSD/DJLgHAxMlziWKbS7GOUsFDCaFoxNEfmkILbAcBmyA3+rnzwEJElu19b3JK6WbaF3jeJ5JUdmky23auTuYNGCAWGQjqDmQA5NxtZtfN3/BGt57u/4R/Mhtpb17j7VZ6Xf2l1PDIqBpf3IdA20ZUZ8wSfZ8KRkuF5G7NJNFJcMYLi50azgn3ixM4Zo40ZXx+8OGGEcfw9k4zkAs7C8juDZ28sq28zSLbXEe540kIWIfM75C75IySATtVWHsl9faKk0X2i8cWd186IAZFVXJy5RMbQFZsgEcs4Gdoqk2neP4L/MlpSlZK/zbf3a/1cmmhUWGNTneG5aIs6GbZGjZLsDtCbR5juuOqlWGTtzVaC+0pFS7t4bpTtMbR3ECOpO4qjFudrHyyzbiPmdiPlY1FHIq2sca6W95qUCIZN9syBioZiWMnAKybw395k4HJq48uqPNFdx26208iukTGeWSPaSCiuUQru2orZzhvMSTuTUtpu35u/4FqDitfwsv+D8x9y97PqE0dzbW8VkZPssgmuS0jY3jKmPIXH7knnlvLbOHzT5NOvCyRfbJ4Iof3UQwjsUeIASeYXbgF4VIwDtCkcocNmhwRa3t7A0M7kqvlAAEPuRVPzOpxLGzEA/IwHWIiqkcOjwyPBLn7W4WM24le4G5s4KooBI/eHIA48tlJzKKItpafgkvz1Isnqv1l8+3kRXLabEzX9m1tc+YgG+4uJC/yyRjOFUk/Kz/AHW/gLdYxnSknubeJktNLnTY3lt9sBCAM29wyj944CtIvCklWfHSqok8qzZJrE20DRBHZ2RYfmQ7XLEBwyp5/G0ndgYO/B9Q+HXgDWNdvrHxBqk1tFp1vcrIlvAA/nsm11cS5AAEij7oYYDCodn2/M2UJSaTvb+uiND4afDnxBpyprvjFEN8FYRpGwLAOeS5A55y3yluWJyOlelaRpsesXUeoS29u2mIFls2U5FwxGRKMHBTB+XIyTzgADL3WPX7ptNtxusovlvJ4ZcjP/PENjkkdcYwMc84rpYYo4IEhgRY4o1CoiDAUAYAA7CojhozmqtRttba6L5aL77s7cPh4qXtLL7v13+Q+qd5dTQ3Nvbx6ZcXkVwSss0TRBIBxy4dwxByfuhuh9s3KK7juPM7nTrCfTp/EMFnbW8N9qdhbRCOJVX7Il2gO7AHDEuxyOhAOQorpvDC26eIPESWAiW0E8HlLCAIx+5XOMcdeuK6BrS2a1a1a3iNuylWhKDYQeox0xSWlla2FuILG2htoQciOGMIoJ9hxQBPRRRQAUUUUAFFFFABRRRQAUUUUAFAooFAC0UUUAFFFFACGig0UAFFFFABRRRQAUUUUAFFFFABRRRQAVSmivptQKSfY30t4iskTxsZGY57527cdsVdooA8/toJ9Ki0u9ubK7W3s9d1SWVYbWSV1jkluBGwjRSxU71wQCMEHpzXQ+DopY9GuJJoZYRc6hdXMazRlGMck7shKsAVJUg4IBHcVv0UAFFFFABVXUdNstWs2tdStYrmBudki5wfUehHYjkVaooA5h/Cb2NuF0a6YomStvcgOMdlDkZAGMDOeuTmqyX7adZr/wAJHbW+mSAkF2jWSFgNuCJcAZO4DDBSSGwCBmuwornr0ZVlpNx9GcbwdC7lGKu/62uefx6L4OkkkuY9N0eRrg72f+z42DZAGR26KOn9TXG/EDwjb/2Ytx4MggScuiTWttGkOVBLLImSBuEgjJGRuVcZ4FerzeF7WO3dNGkfSWLNIFtjiLeVxkx8Dr82BjJ5PU5ydVa50qyWbWrH7ZDEVRp4pySzMVUYjPPJbGASeAADkCvOnSr4ecZRlOa9Vb7jixGHxEotvk8tJf5v9T52g8D+O/MmkTw1dwwL5MvkPKjbwrAHbhsE7Cy/NwyswJOADhRWqwhgdTBaKOM3Bjt9z3MKhge+FzASw3EZGR1FfTiPaXke+xtoZlJI2BueDgj0PPGOtcXq/wALNF1aTyZNPvLW12bBaW8m1VJbccAg457DGOcYzit/rs+a9Sm4fOGvl8R5UMVC1pNP0jN/nH8Dxua2U27297e3iJ5rS7Qd0Th1KswYjdKAEEgYA7l5JyM1BOkVrqa3WovlXWVR9qv+IrnzQZFCqePnyDyAVKv613PjL4Xab4W02LUNMsZ7qyt8eazQCR4wCTkgDLYyWyePlwxIrkBFqaWK+d4ZvfL8oSGK9sSiAqo2gPJgEAByo5O1tvOBjeNenJaS0/xf5HfBSkueCdv8Nv1M+W30O2iinZFET5aUCKRxLCw+WRmHy43bUIySJEb1wLN59jjtRcNp7J+/V4glsifMrHcp3gEcI5QYO4u68lOJXmvIrzymgtD9qlVoJGlDsW3uPM37eCV8kNtGWTy2PXNBk1aISSI0fy2nlPBGjlnjYoHBb723dC4J4Acg5+fNWnF22/FlPnvq396/yJGutSjuo0s7SeB8jy0Ujc6qjDIRQ2djMjMo52qrY+XcIXhvtQkR0nS2SVlkSOAP5oiUowTna2SVRRtHLqgB+cGny2t800ZTU2a4MxhU26CLzWCyqCG3Z3ASHAJGcSDkqAat0LFbWVrq7acy25uVt3uEQMCq5GRjdjYAO+SpCnYRSW3u/gv8yVbmW33tlsWl3qFu0cl3NDdzMUuFjgy5yXRmA5dgSXYrtB++ABiq++1e8+3alNdxRsfMjS6vFBkj8pWXDA7i4UovudrYzkUiR6dDdXNtDI97PMy7PNiM24eYoMiZVhkvn5hkN+OKm01xaSQwWulyWhuSIZklC+RuAJZvMUEiM+ZwSSNpzk8ENy3u/wAf8hqLS91fhb8WQLeadEiXKLcXSsxiSOa0keKT94VjMO7PGEfCnGCWUcZIsNPNaRsqaeIYIA77J/K8mSNxtIJyRvyYAPUCN+M5KQS6x9nUyK63Mls0UyxszeYu5VXIxuQ+YjgknHmBjkbvmLlb3+0FWLUliumhwy20PB4ZY2bnI+WbIzxsdVGShFTdPX9GxtWbX6/5IfdS6jA1tMbqytI8ope5DSK64V23hgoB3eZgEZbM69sGCztpPs4e8v0gtHRJ3FuohBxIuRuxhcssK5BPLRvnaDVZ1g0tbiXUdSmuLuOAWxjjutuUK5PG4E8rIxB/iWPrvzT5G0rNxK9oZ72MSJE5imYyYQMeH6YGO/yq7twVUmrvb/JAoJJcq+dr/mQouiPaNGCREd5kvIJW3IW+QymNQcJ+8BIO0kLt46HRS9ea7le102S2hlkjmWcQqiEBVch1Kg7RHuyQCGOcA7sUNd6w8y3cVgUvYJWjsf8ASwGSYt5IBwcM5L5I6HYc8bhVaSZwbbzryFCkEDwWsIbzt7bWEYw245AGP+AemRno/wCrmju3r+f+X/DFhG1eRJJtMjsLXzMbDANytNuBJAAC48xnAYZUBcZIXNNh08zRm2ttR862ZCktzGQPnEaqvUEMMIpIz8gmC8HIqtdz29pG51zVZ7lZGkllt3KhpWLbsEKThHO5hg4w/uMtEMNykdvLpDXUq22zyVt38/YhIVSWxyCFTjJ3K6jgACtU/wCkJR0uvyv+Yvm6O3ltpto9zLJMkVwyb3Yk4bG5htZjx97g+TI38QxNZai0zOulW8KqsUcctwZ4o/LJmKhtgJwMu44GM+U/YEvurzUbhIbq7mSyt3VmWOefEh/dR4TOck7fJ68geUcghzV3SvD+s+MdYt9NXUlgimkL7YUMT7ASm4knIQeZPk8dGHVkFTddf1ZVk0k/xf8AkdD8OfA9/wCLry5e/wBQhigt45Fu7i3G35pCgMDZ+U8KwIwCAV9se8GNdPhsPD3h5YTMVC7yhl+zwgHMzE8MSRgf3mOeQGqHTNL03wNo1pp2iwPLPcTGG3LAtLcSlWbLSt/sq5J7BTgdAek0XSm02CZ7mXz7y6k824mx1bGAo77QBgD/ABq4R599jqpUVJ36FjTdOg0rT47O0DCNCzZY5ZmZizMT6liSfc1aoorpO4KKKKACiiigAooooAKKKKACiiigAooooAKKKKACgUUCgBaKKKACiiigBDRQaKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiuX1Z9D1qwS513RZrkxytDbWV9BkyyEA5SNvlJ9GxwN3IGaAOoqg2lLNrK6hdymfyRi1hIwkBIwzgd3IJG7spIGMtu80Gjm28M+JbjV1jutZ0ZoYrW9f55bbFtA+I3PKgM7HjuSe9etUAZt/oGn35kkaBYLpwMXkChJlIwQQ2OfurwcggYII4rNvrHVbKN5Yo4dRQKxYJmKU/NwFUHacL7gkj346SisJ4ajN3lBN+iInTU1ZnK2OoWVy0duzvZXUm4mzuGdZSBjPychgAR0yOeTUureH7PW9Jm0+7Rngmj2M8MHlsD1DBgQQQQD6Vs6lpGnazbiDVrC2vYcg+XcRLIufXBFZM+g6jazzzaTfpcxyAsllqamRI2PZJB8yLkkkEP2C7QAKz+rqCtBK33HJPCrdanll38A5WuJ5o/F97apMVDRi0jjXCsWQctzt6DPRfl6cV5PrnhmXQNYXS9dmuN0a7BOW2xkeW2RGqkBgVQIyjkjy+R90/UK6/DpyxprkP8AZFxKzIB5I2nGDnzeUC/MOTjuO1ajeVcKpkfzV6r+9i5/EDP5UnOS+IwlHl0tb5L8z4xjTTIJXaG1nvp9pWaWeMzFXLIu3BUglCynGAcjacq+KtwSyWcUMGjaWzQLtk865jWNCmyRgXZQPMUKJN33tymRT2x9CfEH4ZHxa4uNHvYbG5batxGyuwuFB6bipKkjHODzHERgoDXmnjD4S+I/DmlvqEWqSy2kMK7/ALDZnzEPmK8nLMW6jKsDkkDONxNF1JN/8ELN9b/P/JHHpPqQheGEywMscs/2i4mBAmIABOwgK7EK2em4o5PGTBYrc+Z5NtOnlzIhW4ghDgr998AkAf6zPlhdoL7cZzmjcLZJaTqdamhtIWZYlt5IwJY3DIGIUAnBAyCCWXJ+UnFLdX9hqBe+P2u6UkeRJKXnlAjwQrF0YKDn5sZBYHjacVVuxKg9rfgxslpYKlxZtrDebHCIZ7ndGeQBuXd94qPL2BQcbQCPvFake50e4u530+zjuZZpY0ado2lHIByN5bLMV3YyCP3ozjBE9rO15PJ9l0uSztppnkEaxi2YuC+QpVl4Uk4Ug4BK5IQEIt1q0kkbbYbCxmZflkkZXAVPlXcc9Y2gyyjP+rOdwJqb30f5l6p/8Mh6TETR2uj6PHJKSPtbvGkK4DnCtgcAt5hx1wkbD/V5pIZ9WeAfY5Lc6gqPM0rrvbAYMULBBlldYmVD0J24OdtVp4biGK1W71C2s9MDLHJE1qPldApPDBsnmTBJ/v8ATzDuatxpyXDSyXdxcQxwlxbGYg7QnzqgiwMMFRC3ZS5wcZFeaJ5U13+9kptoYnEMermVzH5X2qVwI0jZHR2DNuJ+VslVxwuOuKrS3ulW9x5DzXWs3MTeZIly7SocBmcDGRkglS3ODlgeM063ubSS6tjpGlFVtXikglFth5F4D8lh0BJ3bsg4Klcb6mhudQGnwmwtbXT7ECSYGNhIPJOe7Bt23dtYEZYAjvyvJl21u/0RIxFnKyWOjPLeqglSZrSONkl6goAuB8wdsHkfKnVcU+L+0ZLryb2S0W6+0Rqo2+aISgIUpxmNSqwjdn5htbJPK1Rb3T6cbKa8gsbe4CgTQxKiy7YhyCWBIJXJbHJORw3NWSPSpJLlYLy61AufMcu7StOwAwwRWUhju/izjcy/w5Yt/VgUU9P+D/XoWrS0F9qFnBHrF5PdX0RK2tnJtVJdzgqAp4UFyRgZOZOOcn6i8J+F9J+HXh+4vj9pW5njT7ZcEvI0jLnYi7icgFyoAGTkdawPg58OofB+nvqF7ZxwX13BFGQTskAUs28lmLIW3LlVIHyKcZOB6BZWKa7fpf3kUn2S0kzaxSZIlkU8TEt8xAP3VOACC2CdhUV5y0NIx5pe7/kV/CFzZazPPqr38F5fsMLCtwsjWULHhCoPyMdvzdMkAfwgDq6qvpdhJewXj2Vu1zbljDMYhvjLDDbT1GRwaoapr01nqa6fp+mTajc+T58iJKkYRCSoOWIzyDwK6krKx3JJKyNmiuTtvH1tewx31lp9xLpLSQRtfblXY0oQoNhO4/61O3f2rrKYwooooAKKKKACiiigAooooAKKKKACiiigAooooAKBRQKAFooooAKKKKAENFBooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKzdW8O6PrrwtrOmW181vnyjPGGKZ64z0zitKigDIPhTQTcW050izMtqqpA/kjMYXoB9K16KKACiiigAooooAa8aSxskqK6MMFWGQawf+ESt7F5JvDtxJpczK22IEyWuSOpgJCjnDEptYkfewSD0FFJpMTSe5y8uo6npYiGt6c7RsP3l5Z3MkkSnPVlxuUYG4nBUdNxq1bXNpqUchs/IlVWKOIoCxQ9ME54P1H4VvVyS+G017Ur/Ub9brTlkcQwpbStA7qhb94xUgksWPB7BevWsZUU9jnnQT2G6j4W0zWbGFdVsIo7uJdySw+Tm3kI5KNszwfUcjgqQSK8Z1P4G+JVt5k06+0m6WMEWkMjO20cYAUxdSFx8zsANoJbbk+3R2XiTTJtpkt9YtFBYSfJb3S4HC7dnlyEnvuiAHr1pbPxFpt+xiE6xTDg2t5K6TIeozEyg5xzj9axalHV/ic8oyjrL8f+B+p8keINI1jTNWmtPEjx2V5PKWSCSEOyPtG7AZyoVjk+Zkk4DMRuOc++bTxepJqOq3FxL9nES2pIPltn54maP72QV+YAZJbPKlT9j6r4a0fXrZodY0q3vY2wSJLMDOOR8z54Ga818X/BRJs3Hgl7PTppMBor+c+XGQQQ0YRWxwiDbwPlXoNwdqX9f8ES6f8AA/M8A87TYYI5W0u4uLeQzJhIg6xsFwCGdAxbmQnJIGI/veWVq1cXd3ujebTio8wmSFohAsyFRnIy5Y5SMAfdBCgq2/FdH4p8FeK/CF0730dk8UzSAX6IzweW0WWLy7VAI2thQmTukzwRu5Zl+xRFLrXN2pSRNG00Mse2PcyYyWIYn7oyP4WJ6RkMxta6/mTyx6lcsv217SFSw8mOJZZcYUFD5JYjaVByGBJXdwSQDBdrDGUn1fWrhLiKISrbxyqpMilckFQQpJ3DoTkbj3Ai/wCJNb6gl/vbUbpm84K3mLuwSFYYD8tgfK2cMyZ+XctLA4t7WDytKlEzkiEmFW8uFgHdliLZfAJXLHkdSM4DBL+rf5kkQ0yMNcpYy3NssscyRRwedhW6KzPnjK42K2RnaXYjI9g+CngCWSaDxNq+mWtnZPGXsYnwHlUnCPIF4bAAPKryFYZLOTzvwt8Ba34x1h9R1iNLXSorhmcRK5kikBH7tOcKxOGLHJ7nlgT9Bv5lm1p4c0FGtpBB8rFlC2kK4XdtX7x5ACnv7A1Nm9B2bdv+CJIjeI9Rm0mNhHplrt+2SxxbPOcknyFJJwRgFiCCAygcklerqCys4bCzjtrZAkcYwAABn1PHcnmp66oxUVY7YQUFZCMMqQCVJHUdq4fV/DF1/aUU2pWVx4vtxb+WguTbI8Mm4ktjEaYwQOBnjmu5oqizzmw8NeILLRP7BurY3bz3dndS6ms6eUDEIN+QSHJJhbov8Q98ejUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABQKKBQAtFFFABRRRQAhooNFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVx2veKdR0HV1SebS5lkYeXpke77U8Rbb5u/djAwWI2HABGe9dPqGnW2qWbWt6jPCxBIWRkPHPVSDWDq/hvU9ZA0+6v7YaQJklULC32hdjBlXdu2kZAGcZx780AGh67qtxqmnQar9jki1Wwkvrf7NE0bQBDFlG3M28nzhyNv3Txzx1Fc1ovh3ULPUrG41O7tpU02yeytVt4mQsjmPJcljk/uV6Y6n2rpaACqOo6Np2rIF1KyhuMDCs6/Mo9m6j8DV6igDmR4e1LS4pDpGoNfAAeVaak+VHOT+9Cl89cFgwHTHSmDX7e1mhh1eG40i5mXKi8KRxk7iNolj3IzHGQud2OSBXU1HcW8N3bvBdQxzwyDa8cihlYehB4NZOlF7aGMqMHtoY88FnqlqUuI7a9gfBKsrXKt3BOOPpx2rg/FHwY8O6vpsg0KyttHvS/mi5FuFjDA5yy5Dcc4/XIJFdxceFEijUeH7t9Jw7MY413xNnHGw8L90Y24xzjrVS61a80eY/2xpE4hBAjvNNtjdK3H8SgGRDwTnBUADLZOKxdOUTnlSnH/AIB8/wDiX4WeLPDcIvNNhs7u1RGW4lsroySCNcFN4fYUXsWUnYCSTxk8x4O8J6j4s1yx01b2aCGZM3c0ETxyLlt5bLrgqNuMjAB5AP8AF9b2uo2mo2yzWd/bXcLjKPFdiVW+m3r+BqC4Gm6T5+pyW0cEhAMs8dmA8hzhRlvmdicAAZJOABmoUuxmn0X9feUNM0ux8JeHYNI8PWi3HlfLb2/ntKzEnqzcbVHdjnAAAzwK6HR9Ih0q3fbmW5nbfcXD4LSt7njgdABgAVT0DTrliNZ1lWXU7mEAwsQRaIcN5II4JB6t3I4wMCtyuqEOXV7nZTp8ur3CiiitDYKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKBRQKAFooooAKKKKAENFBooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAoorCvPGGkWepahYNJJJd6ekDTQxpklp32RIOxZmwB25GTQA7UdB0eOS51Zz/Zsyxu815DMYQvykGRxnaxA/icHGPaubsrXxG99aaxe2EepW1rv+zRkmC4IOP3rI2QGIyFTKkZ5IJIHVafqdnr8c0MtnJFJbSIZbW8iXdGwIdGxkjqAwOeCAa1aVk3cTim7sjt5TPbRStFJC0iBjFJjcmRnacEjI6cE1JWTr2rpp9jPBaXNqNXmt5WsLWWVQ08gUlQqkgtzjpXBN4j1BNcsdJsdX1WWHUQqzXN5bLG8L+aikRZjXoHOSVYfdwetMZ6nRWB4YnuvtOt6fd3ct4NNvlginnC+Yytbwy/NtABIaVhwBwB9a36ACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACgUUCgBaKKKACiiigBDRQaKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooApX0OoyT276ddwQRoSZo5YC5lHGAGDDZ35w3XpxXmqeF/FFpqd7Pf2drchvsF3LNZyMzTvFfmdwqsoG7ZngY/hx1OPV6KAOe8OJcT6xrOqS2k9pDePCIo7lNknyJtJK9ua6GiigCKe3juImSUHDKV3IxVgCMcMMEH3BBrCfwbbTxFr3Ur+7vVZTBfzNH51vtOQEAQIBnk5U7uN2cLjoqKAM7R9Hj0eO4xc3F3cXUvnXFzcFd8r7VQEhFVRhUReAPu+uSdGiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAoFFAoAWiiigAooooAQ0UGigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAoFFAoAWiiigD/2Q==)

Fig 15 3-D map for 2-D function

1. *Optimization using Shifted Expanded Griewank’s plus Rosenbrock’s Function.*

For Rosenbrock function we are trying to evaluate 2 set of dimensions such as 2 dimension and 10 dimensions using both GA and PSO. *Tab 10 and 11* shows the results of this function.

* *Two Dimension*

Tab 10 Shifted Expanded Griewank’s plus Rosenbrock’s Function 2D Result

![Table

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAkACQAAD/4RCURXhpZgAATU0AKgAAAAgABAE7AAIAAAALAAAISodpAAQAAAABAAAIVpydAAEAAAAWAAAQduocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEdlbyBUaG9tYXMAAAAB6hwABwAACAwAAAhoAAAAABzqAAAACAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABHAGUAbwAgAFQAaABvAG0AYQBzAAAA/+EKY2h0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8APD94cGFja2V0IGJlZ2luPSfvu78nIGlkPSdXNU0wTXBDZWhpSHpyZVN6TlRjemtjOWQnPz4NCjx4OnhtcG1ldGEgeG1sbnM6eD0iYWRvYmU6bnM6bWV0YS8iPjxyZGY6UkRGIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iLz48cmRmOkRlc2NyaXB0aW9uIHJkZjphYm91dD0idXVpZDpmYWY1YmRkNS1iYTNkLTExZGEtYWQzMS1kMzNkNzUxODJmMWIiIHhtbG5zOmRjPSJodHRwOi8vcHVybC5vcmcvZGMvZWxlbWVudHMvMS4xLyI+PGRjOmNyZWF0b3I+PHJkZjpTZXEgeG1sbnM6cmRmPSJodHRwOi8vd3d3LnczLm9yZy8xOTk5LzAyLzIyLXJkZi1zeW50YXgtbnMjIj48cmRmOmxpPkdlbyBUaG9tYXM8L3JkZjpsaT48L3JkZjpTZXE+DQoJCQk8L2RjOmNyZWF0b3I+PC9yZGY6RGVzY3JpcHRpb24+PC9yZGY6UkRGPjwveDp4bXBtZXRhPg0KICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICA8P3hwYWNrZXQgZW5kPSd3Jz8+/9sAQwAHBQUGBQQHBgUGCAcHCAoRCwoJCQoVDxAMERgVGhkYFRgXGx4nIRsdJR0XGCIuIiUoKSssKxogLzMvKjInKisq/9sAQwEHCAgKCQoUCwsUKhwYHCoqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioq/8AAEQgAyAPkAwEiAAIRAQMRAf/EAB8AAAEFAQEBAQEBAAAAAAAAAAABAgMEBQYHCAkKC//EALUQAAIBAwMCBAMFBQQEAAABfQECAwAEEQUSITFBBhNRYQcicRQygZGhCCNCscEVUtHwJDNicoIJChYXGBkaJSYnKCkqNDU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6g4SFhoeIiYqSk5SVlpeYmZqio6Slpqeoqaqys7S1tre4ubrCw8TFxsfIycrS09TV1tfY2drh4uPk5ebn6Onq8fLz9PX29/j5+v/EAB8BAAMBAQEBAQEBAQEAAAAAAAABAgMEBQYHCAkKC//EALURAAIBAgQEAwQHBQQEAAECdwABAgMRBAUhMQYSQVEHYXETIjKBCBRCkaGxwQkjM1LwFWJy0QoWJDThJfEXGBkaJicoKSo1Njc4OTpDREVGR0hJSlNUVVZXWFlaY2RlZmdoaWpzdHV2d3h5eoKDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uLj5OXm5+jp6vLz9PX29/j5+v/aAAwDAQACEQMRAD8A+kaxNQ8a+FdIv5LHVfEuj2N3FjzLe5v4o5EyARlWYEZBB+hrbrm/C/8AyMXjP/sNR/8Apvs6AD/hY/gj/ocvD/8A4NIP/iqP+Fj+CP8AocvD/wD4NIP/AIqukooA5v8A4WP4I/6HLw//AODSD/4qj/hY/gj/AKHLw/8A+DSD/wCKrpKq3+pWelwxzahcJbxySpCjOeruwVR+JNAGL/wsfwR/0OXh/wD8GkH/AMVR/wALH8Ef9Dl4f/8ABpB/8VW/d3K2dnLcSK7rEhYrGuWIHoKqaFrNt4h0K11axWRbe6TfGJQA2M45AJ9KAMv/AIWP4I/6HLw//wCDSD/4qj/hY/gj/ocvD/8A4NIP/iq6SigDm/8AhY/gj/ocvD//AINIP/iqP+Fj+CP+hy8P/wDg0g/+KrpKo6bqiahpMN9LbXGniY48m+TypEO7aAVzwScY9cj1oAyf+Fj+CP8AocvD/wD4NIP/AIqj/hY/gj/ocvD/AP4NIP8A4qr1n4itL7xJf6JFFOt1YRpJKzoAhD5xtOcnp6VrUAc3/wALH8Ef9Dl4f/8ABpB/8VR/wsfwR/0OXh//AMGkH/xVdJRQBzf/AAsfwR/0OXh//wAGkH/xVH/Cx/BH/Q5eH/8AwaQf/FV0lFAHN/8ACx/BH/Q5eH//AAaQf/FUf8LH8Ef9Dl4f/wDBpB/8VR48/wCRdtf+w1pX/pwt66SgDm/+Fj+CP+hy8P8A/g0g/wDiqP8AhY/gj/ocvD//AINIP/iq6SigDm/+Fj+CP+hy8P8A/g0g/wDiqP8AhY/gj/ocvD//AINIP/iq6SigDm/+Fj+CP+hy8P8A/g0g/wDiqP8AhY/gj/ocvD//AINIP/iq6SsLV/GWi6FqcGn6nLdR3VwcQJHYTy+afRSiEMfYHIoAg/4WP4I/6HLw/wD+DSD/AOKo/wCFj+CP+hy8P/8Ag0g/+Kq5pnirR9X1CSws7phexrva1uIJIJQvTOyRVbHvitigDm/+Fj+CP+hy8P8A/g0g/wDiqP8AhY/gj/ocvD//AINIP/iq6SmiVGlaNXUyKAWUHkA5wSPfB/KgDnf+Fj+CP+hy8P8A/g0g/wDiqP8AhY/gj/ocvD//AINIP/iq6SigDm/+Fj+CP+hy8P8A/g0g/wDiqP8AhY/gj/ocvD//AINIP/iq6SigDm/+Fj+CP+hy8P8A/g0g/wDiqP8AhY/gj/ocvD//AINIP/iq6SigDm/+Fj+CP+hy8P8A/g0g/wDiqP8AhY/gj/ocvD//AINIP/iqPAf/ACLt1/2GtV/9OFxXSUAc3/wsfwR/0OXh/wD8GkH/AMVR/wALH8Ef9Dl4f/8ABpB/8VXSUUAc3/wsfwR/0OXh/wD8GkH/AMVR/wALH8Ef9Dl4f/8ABpB/8VXSUjMEUsc4AycDJ/IUAc5/wsfwR/0OXh//AMGkH/xVH/Cx/BH/AEOXh/8A8GkH/wAVRafEDw7fwX81pcXcqaaM3eNOucw84II8vOR1I6gAk8AmrNh4w0bVPD8ut2E1xPp8Wd0y2U3zAdSq7NzAdyoIGD6GgCt/wsfwR/0OXh//AMGkH/xVH/Cx/BH/AEOXh/8A8GkH/wAVWxpOrWmuaZDqGmvJJazDdG8kLxFh6gOAcehxzVygDm/+Fj+CP+hy8P8A/g0g/wDiqP8AhY/gj/ocvD//AINIP/iq6SmvLHFt8x1Te21dxxuPoPegDnf+Fj+CP+hy8P8A/g0g/wDiqP8AhY/gj/ocvD//AINIP/iq6SigDm/+Fj+CP+hy8P8A/g0g/wDiqP8AhY/gj/ocvD//AINIP/iq6SigDm/+Fj+CP+hy8P8A/g0g/wDiqP8AhY/gj/ocvD//AINIP/iq6Sub8Uf8jF4M/wCw1J/6b7ygA/4WP4I/6HLw/wD+DSD/AOKo/wCFj+CP+hy8P/8Ag0g/+KrpKKAOb/4WP4I/6HLw/wD+DSD/AOKo/wCFj+CP+hy8P/8Ag0g/+KrpKKAOb/4WP4I/6HLw/wD+DSD/AOKo/wCFj+CP+hy8P/8Ag0g/+Kreu7uKxtJLm43+VGpZikbOQB/sqCT+VVtF1vTvEWkxano1yt1aTZ2SBSucHB4IBHI7igDK/wCFj+CP+hy8P/8Ag0g/+Ko/4WP4I/6HLw//AODSD/4qrc3i3RoPEyeHmunfVHQSfZ4reSTap6FmVSqj3JGMjPWtmgDm/wDhY/gj/ocvD/8A4NIP/iqP+Fj+CP8AocvD/wD4NIP/AIqtjVtTh0bSbnULpJnhtozI6wxl2wBk4AqvDr0dwmkSQWV7JFqsfmJKkQKwDZvHmkH5c9B154oAz/8AhY/gj/ocvD//AINIP/iqP+Fj+CP+hy8P/wDg0g/+KrpKKAOb/wCFj+CP+hy8P/8Ag0g/+Ko/4WP4I/6HLw//AODSD/4qukooA5v/AIWP4I/6HLw//wCDSD/4qj/hY/gj/ocvD/8A4NIP/iq6SigDm/8AhY/gj/ocvD//AINIP/iqP+Fj+CP+hy8P/wDg0g/+KrpK5vwH/wAi7df9hrVf/ThcUAH/AAsfwR/0OXh//wAGkH/xVH/Cx/BH/Q5eH/8AwaQf/FV0lFAHN/8ACx/BH/Q5eH//AAaQf/FUf8LH8Ef9Dl4f/wDBpB/8VXSVT1TVrHRrL7VqdwsEO4ICQWLsTgKqjJYn0AJoAx/+Fj+CP+hy8P8A/g0g/wDiqP8AhY/gj/ocvD//AINIP/iq0dP8RaZql4bS0ncXQjMrW80DwyqgIG4o6hgMkYyOecdDWikiSqWidXUMVJU55BwR9QQR+FAHO/8ACx/BH/Q5eH//AAaQf/FUf8LH8Ef9Dl4f/wDBpB/8VXSUUAc3/wALH8Ef9Dl4f/8ABpB/8VR/wsfwR/0OXh//AMGkH/xVaHiDxBa+G9OW9voriSIypF+4i3YLMFGT0AyQOT3rUoA5v/hY/gj/AKHLw/8A+DSD/wCKo/4WP4I/6HLw/wD+DSD/AOKrpKralfxaXptxfXCSvFboXdYYy7ED0A60AYn/AAsfwR/0OXh//wAGkH/xVH/Cx/BH/Q5eH/8AwaQf/FVs6VqMOr6PZalbK6w3lulxGsgAYK6hhnGecGrdAHN/8LH8Ef8AQ5eH/wDwaQf/ABVH/Cx/BH/Q5eH/APwaQf8AxVdJRQBzf/Cx/BH/AEOXh/8A8GkH/wAVR/wsfwR/0OXh/wD8GkH/AMVRff8AJU9C/wCwLqX/AKPsa6SgDm/+Fj+CP+hy8P8A/g0g/wDiqP8AhY/gj/ocvD//AINIP/iq0tU1+w0e4t4Lz7U01yrtFHbWc1wzBNu44jVsAbl6+tZtl4+8Pah5JtZ7xo55xbRzNptykRlLbQhdowoO7jk9aAD/AIWP4I/6HLw//wCDSD/4qj/hY/gj/ocvD/8A4NIP/iq6SigDm/8AhY/gj/ocvD//AINIP/iqP+Fj+CP+hy8P/wDg0g/+KrpKKAOb/wCFj+CP+hy8P/8Ag0g/+Ko/4WP4I/6HLw//AODSD/4quiMiCVYy6iRlLKmeSBjJx6DI/MUrusaM7sFVRksTgAetAHOf8LH8Ef8AQ5eH/wDwaQf/ABVH/Cx/BH/Q5eH/APwaQf8AxVSJ458PyKzx3kr26khrtbSY24x1JmCeXj33YqW88WadZy6Mo86ePWpFS0mhUFG3LuBJJHBHPegCt/wsfwR/0OXh/wD8GkH/AMVR/wALH8Ef9Dl4f/8ABpB/8VXSVl3Gv2tt4ks9EkiuPtF5FJJFII/3eEALDcT1+YdM9aAM/wD4WP4I/wChy8P/APg0g/8AiqP+Fj+CP+hy8P8A/g0g/wDiq6Squp6hFpOlXOoXCSPFbRtK6xLubaBk4FAGL/wsfwR/0OXh/wD8GkH/AMVR/wALH8Ef9Dl4f/8ABpB/8VWzpWow6vo9lqVsrrDeW6XEayABgrqGGcZ5wat0Ac3/AMLH8Ef9Dl4f/wDBpB/8VR/wsfwR/wBDl4f/APBpB/8AFUfDj/klnhT/ALAtn/6ISukoA5v/AIWP4I/6HLw//wCDSD/4qj/hY/gj/ocvD/8A4NIP/iq6SufvPHGh2OtnSLiS9/tDaWFvHptzIzqOrLtjO4e4yKAI/wDhY/gj/ocvD/8A4NIP/iqP+Fj+CP8AocvD/wD4NIP/AIqtDR/Emk6806aXdiWW3IE0Lo0ckWem5HAYfiK1KAOb/wCFj+CP+hy8P/8Ag0g/+Ko/4WP4I/6HLw//AODSD/4qukpqSpIziN1Yo21wpztOAcH0OCD+NAHO/wDCx/BH/Q5eH/8AwaQf/FUf8LH8Ef8AQ5eH/wDwaQf/ABVWj4v0RPEiaBLdvDqUmfLhmt5IxJj+67KFb8CafrHijTNCure31JrpZbo7YRDYzzCRuTtBjRhuwCcdcDNAFL/hY/gj/ocvD/8A4NIP/iqP+Fj+CP8AocvD/wD4NIP/AIqukooA5v8A4WP4I/6HLw//AODSD/4qj/hY/gj/AKHLw/8A+DSD/wCKrpKKAOb/AOFj+CP+hy8P/wDg0g/+Ko/4WP4I/wChy8P/APg0g/8AiqnHiuCTVBa2mnahdwi6NnJe28SvDFKPvBsNvAB4LbdoPet2gDm/+Fj+CP8AocvD/wD4NIP/AIqruleLPDmvXTWuh6/pepXCIZGis72OZ1UEAsQpJxkgZ9xWvXN33/JU9C/7Aupf+j7GgDpKKKKACub8L/8AIxeM/wDsNR/+m+zrpK5vwv8A8jF4z/7DUf8A6b7OgDpKKKKACvNfHjWfiq91DRLgX7QafbHyntLC4uFF6wypLRIwBRccEj/Wn0r0iRS8bKrtGWBAdcZX3GQR+YrK8O+Hl8OWc1vHqN7fLNM07PeGNmDsSWOVRc5Jzzn24oAx/B/iRvFHw4+2XIK3sMMlteowwyTIuGyOxPBx71zOjaze6P8ACXweba5+wWdw6w3uobVY2sZ3YIDAqMtgbiCB6V09h8PodNvNWubXX9YV9X3G6BaDaWP8YHlYDc9RWHrXhf8A4R/R9C0a2fxHdaZZzySi+sCr3NofLKqgEaglTvY5KsR06HgAgi8Vazo+geKdem1mTW7GxmS30yaSKFIJt5Rd+6NFLbWfBIO04OPUbd9fa74Z8TaHb3erNqtlq8rWsomt40aCXaWVk2AZXg5DZI9TUehaA+p297Z6hd65qOh3lqYpItdULIX3cFPlV1AGc5A5246cbGn+DoLKa2lm1TUb+SyjaOya7eNvsoYbSVwg3Njjc+44+poAxfBl14k8Qwz311r4SK1v7u1MC2cf7xVJVCW6gqcHjrjnOa5yfVNW8R+BfAWpXerXMNzf61FHObdI1DfNIVbBQjK7BgHj1BOCO80DwdH4c02/srHWdTdb2RpjJMYS8MjZLOmIwMknOCCOBgDnNO3+HGnW3hWy0FNS1Mwafdrd2c5kjEsDjOApCAEZZuoJ+Y89MAGNDY6lc/FLxHbabq72Vwum2YN2YEkdiA+DgjaMnk/L9MUWvinX9S0XwReRX0VvJrLmG6AtwysRG53c9OVBwMf0roIfA6W2uXmq22v6xHc3kC28h3wsAijC43RE5HqSSe+ap23w0trS10m3g8Q60ItHkMlkpa3Plkgjn9z8wwSOc9TQBmRX3iiW48W6WPEhD6FslhvDZReZIHh8wIwxt2g5HC5OeoxXY+FNVk1zwhpOqTgCa7tI5ZQBgbyo3YHpnOKyv+EDjW+1q7j1/V0l1tQt1gwYwBtG3MXGFyv0PrgjY8O6HF4b0K30q2uri5gtl2RNclC6r2XKqoIH0zQBp0UUUAc348/5F21/7DWlf+nC3rpK5vx5/wAi7a/9hrSv/Thb10lABRRRQAUUUUAFeffElrhPE3gprKKKacam3lpLIY1Y7OhYKxH5GvQa5vX/AAZH4g1mx1KfWdTtZNPfzLWO38nZG+MFsNGxJPuSKAOWnub9fjLodx4ttItO3W81vphs5DPHM5HzB5CFI4IwNnU9aSHxN4x1eyg13RLK9a3a6YtbymzS0a3WQqfnL+aHAXOTgZ/hxXV2/gu0HiC31rVdQv8AV721BFs168eyDIwSqRoig474qK18A6bZapNc2l5qMNrPMZ5dMW4/0V5CcklMZ5PJGcHuMcUAZmoavq9p4qaHUtXm0iJ7+FbNXtUa0uoMpuQy7Syyt84wWXnGB3pvguG7fx/4vkn1a8nSC8jjEMgj2sDECM4TI25wApA9cnmtm58FW95POLnVdTksp7kXUmnmRPJLhw4/g3gbgDgMAe9WrPwvaWHie+1u2uLtJL7a09sJR5LOq7Q+3Gc49TjvjPNAG1RRRQAUUUUAFFFFAHN+A/8AkXbr/sNar/6cLiukrm/Af/Iu3X/Ya1X/ANOFxXSUAFFFFABRRRQB5zqV8PAnxLvLxkJsPEFk0qoP4ryBfuj0LqR9TWb4ee70O31L4d3U4N7JPGLR4xgG3nBeZl9NmJse+B716PquhWOtS2El/F5jafdLdwH+7IoIH4c5x7CiTQrCTxLDrzxZv4bVrVHzxsZg355H6n1oAxdU1K6k8Z2PhTS7r+y4/sD3stxEiM+xXEaxoHBUdSSSDwOK5jV/F3iTS/Dfii2e9jOp6Be20aXggXFxFOybdy9AwD84GOnFdzrfhi01q+sr83FzY6hYlvs95aMokUN95SGVlZT6EGs3Uvh9p+p+H7jSZdQ1CNLy4FzeXEbx+ddOCCC7FCABtXAUKBtA6UAVta/4SbR44nl1i8urKS5d7m4sNPiM1pHsG1VQhty7gcnazYI+tYGrTXuqXngZovE81ytzfTj7VZpEqvtWTa+1kIDhflIIIBzxnmu5vfDsl4LB11zU7e5skZBcwtEHlDbc7wYyh+6P4QKoy+ANLfT9Ptorm+gk0+6e7iuoph5zSOSXLEqR8245wB7YoA6dQVUAsWIGCx6n34paRFEcaouSFGBuYk/iTyaWgAooooAK5vxR/wAjF4M/7DUn/pvvK6Sub8Uf8jF4M/7DUn/pvvKAOkooooAKKKKAK2o/8gu6/wCuL/8AoJrzTwzfw+ANbksr1jHpGs6euqWgUZ2zpGPPjA7lgAwA+lek6rYNqemzWaXtxZeau1prbZvA7gb1YDI74z6YrIHgvT5dP0m11Ke51H+yLhJ7Wa6Kb1KjCqSqqCOnbJwMk0Acl4csZrP44ebfDF9eeGjdXXtI10Pl+iqFQeyil0/xN4x1iz0/X9Lsr1rSeffNbzfY0tRbbiCVcv5ocKM5PGc/KK6n/hC4/wDhNv8AhJ/7Z1P7b5X2fysw+V5O7d5WPLztz3zu96Zp/gHTdM1F5rO81GOzeYznTPtH+iiQnOQmM9ecZx7UAYGqX2seJ9A8YXVpqxsLTTHurGK0SBHE3lJ85kZgW+YkgbSuBg81ZsdW1CxvPh5YW9yFstRsmW4h8tTu8u13qdx5HOOnpWvceBLCS81Sa1vtQsYtWVhe2ttIgimZl2l8MpKsR1KkZ75pjeArX7ZodxFq+qxHQ02WiCSNhgja24shJyuFPIGBxg5NAHO3vifXLbW7WWLVWuoZNdjsZYra2Q2ccLyBAvmsocyjPO1mAPGBVmfUvEl5rXjOztdd+yR6MsMlqVtI2PzQGTadwPGeDnJ4GCOc6Q+GmmLbtbx6nq0duL0X0MK3ChbeUPvyny9M/wB7PtipV8BRR3ms3Mev6wkmsoqXXzQHhRtXbmI4IT5c8nByecGgDZ8N6hLq/hTSdSuQomvLKGeQIMAM6Bjj2ya06ztA0ZPD+h22lw3dzdw2qCOJ7koXVAMKuVVQQAMdM1o0AFFFFABXN+A/+Rduv+w1qv8A6cLiukrm/Af/ACLt1/2GtV/9OFxQB0lFFFABXO+MNCfXLew+w6imn6pZXIurGR1DKXVSCpU9QQTnHI610VZur6Fb6y9rJPNcwS2btJBJbSmNkYqVzkdeCeDxzyDQBzmka7d3fiU6N4o0waVr/wBjkFtfWjiSKeIldzRlgcEEKdrg4x74rn/CN3qdj8J7S+XxA8cl5fujPdRrI0YN1IH8lVjLPK/UBtwz0wK7qw8MQWutf2teX15qd+sRhimuzH+6QnJCrGiqM4GTjPHWsn/hWmlrpSWEOo6rDFBei9tClwubSTLN+7G3GMu3UE89aAOeuPFfiG18K+MnF7cLc6LJGbWa9tYlm2PGrYdUGz+LjjOOoB4G5Hq2taX4v0iLUdTF7Y6pYTzvD9nRPIaJUbKEcnIf+In8KmvfhvYXsOrRPq2rKusCMXmJ0bfsUL/EhxkAZ9MYGBxVkeCVOr6VqMuvatLNpUZihVzBtdGwHDARDO4KATweOMHmgDitdu9a8RfC+LxHcasUtry7tpDpqwR+WkX2pAgD437wQpJ3Y6jHetXxv4i1vTJtbn0vVnH9nW6Sw2tlbJKqfLlzcs64XP8ACFYNjnBrXb4baZ/ZFxpEOo6pBpU0yzLYxzKI4GEgf5Ds3AZHTcR6YODT734dabez6qzahqkUWrRBLu3juAEdgmwPypO7A9cHuDQBR1PVNfvPHGn6PpurLp8F/pMlyWW2SQxSAqARu69eh4qtLea54j0vxN5Gtm0i0fzLAIltGftUkcQMjybgSFYtgBCuPWt2PwPBF4isNZXWdUM9hbi2jjZ4ijR/xK2Y8ncRk88dsYGHz+CbKTVNQvbS+v7Eamu29t7aRRFOcbdxDKSrY7qRQBP4G/5J54d/7Bdt/wCilrdqjoukwaFotrplpJNJBaxiONp33ttAwBn2AA4q9QAUUUUAc3ff8lT0L/sC6l/6Psa6Subvv+Sp6F/2BdS/9H2NdJQA3YpkEm1d4GA2OQPTP4VxXwqjSTwOyyIrgajdMAwzyJ2IP4EA12N3A9zaSQxXMtq7rgTQhS6e43AjP1BrG8KeEofCNnLaWep6heW8jmQR3jRtsZjliCqKeT6kigDkn8Ta7DrenSLqrXkNzrP2KdLe2T7EkbMwCrIyh2kAHJBZQcjjFaWi3fiLWfF2uWp1wQWuk6jCojWzjbzoygZoyTyM569asxfDTTYLOG0i1TV1trW9F7awi5ULbvuLYX5ehLHrk88EZNX9G8Jp4e1bVNUttS1G9m1D55oLh4tjOAApGEUggDb1xg85PNAHDzeJvEWoLBHa+IpbPXZNW+zT6HDb27GGDzCpZdyM3CAN5hJX2rW1PXPE+oaprNh4cXUmk0kpBFJAlmUmlMYcmbzWU4OQP3YHc57DG0vTL1rYpb3PjfS9VcySGyRM2kcrOWIDupQrluu/kc98V2tz4Ht7zVl1c6jqGn6jLCkd6+nXHlLdbRj5hg/QEYIHegDntPbVtS+LGlyX9/c2U3/CPfaJrSB4ZI0fz41kiB2t8rFeSDu44YAYq58Zbqa2+H5VGdLae8hhvHQkYgZvm5HQHgfjXQXHhGwl12w1WCa6s5rG3+yqltLsWSHcGCNxkgFR0IrWvbK21Kxms7+BLi2nQpJFIMqwPagDO1m6bQ/Cc1zpFhbXUNnblxbNN5KGJVyQpCsOg4GMH1FcJPqLatp/w6vBp0OmwSalH9mtopzKEiELBQSVXBx25+tdQngGGHS30q21/WodLdDH9iE0bqqEY2BnjLhcHGA1LfeALG6t9FgtdR1HT4dE2tZpbPGQrAYDN5iMWOOOePagClBqGu+KbrxC2jat/Zh0m7eytrdYY5BNIiqS0pZSdpLYAUrgDqaxItYv/F+o+BNTtJV027vdPvy8gjEnlsPKViqng8g4znGec11914LtJtWvdQstQ1DTZNQULex2ciKlxgYBIZSVbHG5Sp96kvfB1hcDSjYzXOlSaQjR2clkygxowUMpDqysCFXqD0oA5aHxH4htLPxBpOpaxaC+0m9t4V1SS32mWKYBsLGoIaXBwFAIJI4pbTWNTvtG8cafqc11PHY2ebd72COKfbJA7YcRgL244Bx1FdBdeAtLutHNk1xexzG8S/a/SUfaGuF6SFiCMgcAYwB0ApreArRv7WK6tqyyavAkF1J56MSFGMjchAJUkHjAB4A4wAXPA3/JPPDv/YLtv/RS1u1naBoy+H9DttLhu7m7htUEcT3JQuqAYVcqqggAY6Z960aAOb+HH/JLPCn/AGBbP/0QldJXN/Dj/klnhT/sC2f/AKISukoAK868SyX0fxq0BtLt7e4uP7MuMR3E7Qpjdz8wRz+lei1y9/4IW+8Up4gGv6tb3sUbRQiL7OUiRuqhWiP5nJ96AOU03VZ9L+J+vah4ptBaaodI8y1tbZt8M1vHliRJwS+VxgqMAVe0bWfGV3d6HqRtbyTTr4I18lz9jSCNJANrQlJDLwSOGySPQ8V0mneC9PstYuNWvLi71bUbiEwNc37qxWMnJRVVVVQfYfzNRaJ4FsNAuFNpfalLZxMXt9Pnud9vbn1VcZ4zxknB5680AZOm6trDeJ7ey1vWZ9PupLmYNYTWsawTxbX8s28uwliPkYhmJ4PA6E+FcV22l6rc3eqXd4W1S6jKTiPGVkxvyEDZOOmcegFbFp4Kt7e4s2n1XU72Cxm8+1tbmRDHE+CAQVQMcBjgFiB6Va0PwvaeH7q+lsbi7aO8ne4NvJKDFEznLbFAGMn1zjtjmgDD8a+GrXxV4m0vT7p3hddNvZra4iOHt5lltdrqfUZ/Imqei+Jbu91rSNA8SKIfEGm3zecBwt1H9mnCzp6qe/ofSupufDpufFFvrf8Aa+oRPbxtElsnleTsYqXUgxlvmKKSd2eOCKsXug2F/renatPD/pums5glXg4dGRlPqMNn6ge+QDlU1TXvEVv4ivtH1b+zzpF7PZ21qII3SVoQMmUsC3zEn7pXAx1rpPCmtt4j8J6bq7xCF7yBZHjHRW749s5xVG58D2Uuo391aahqGnrqf/H9b2kqrHcHGCTuUlSRwShUmtJNBt4b7Tp7Se5todOhaCKzhl2wMpAA3J3xgY9KAKHjLXLnRrLTYrFkjudU1GHT45nXcITJkl9vcgKcD1IrNjvtZ0zxxH4bvtVmvbXU7CSa2vWhiSe2kQ4b7qBGGCCMr14IIrotf0Cx8SaS+n6mjmIsro8blXjdTlXVh0INVbLwwlpcTXcmp393qMlubZL64MRkgTrhAECA5wclTkgZzQBzfwmtJ4tJ1OaTUbqdP7Uu08mRYgu4ScvlUDbj35288AV6BWB4W8JxeFIriG01TULuGeVpmjuzEQJGOWYFUU5PpnHtW/QAVzd9/wAlT0L/ALAupf8Ao+xrpK5u+/5KnoX/AGBdS/8AR9jQB0lFFFABXN+F/wDkYvGf/Yaj/wDTfZ10lc34X/5GLxn/ANhqP/032dAHSUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHN+PP+Rdtf+w1pX/pwt66Sub8ef8AIu2v/Ya0r/04W9dJQAVy9142+zeJ5dBTw7rFxepAblfKFvtkhDbd6lpRxkgYOD7V1FcBqsWoTfGyBdJvLe0n/wCEdf8AeXFuZlI+0LxtDpz3znt0oA6nw94k0/xNYSXOmtIDDK0E8MyFJIJF6oy9iK1q8y1LSrrwNp1rbWd8bq+8Ra1/p99NMbQOWVm2BlVjHkqACATycdQRX1uLxN4f8I+KjdaoYUS3S5sY4NSmuZ7XkqwMzorFSQSM88H0oA9E17Wrfw9oV1ql6GMVuoJVerEkKqj3JIH403Sr3V7i4uYtY0iOxEe0xSw3YnSYHOf4VZSPdcc8E1wHxB0BYfhffX9xqeq3c0zWkm2a+k8tCZYlOEBAwc5wQcHkYNbNyvmePrTwib3ULfTY9Ke9XZfTCa4lMxXaZi3mEKMnAbuOwAoA7mivINV1bXLPw1rliNWvGOk65Ba218JCJHidkOx2H3iobBPfPNdBrumXWj634dtrTX9YKahqkgm8273naYWO0ZHQFcgcgZNAHf0V5fDZXkt9420g6/rIttIEc1owvm81We38w5k+8VBHC5xycg0+31O78R6Z4Xja+1C4vrnSPtM1jZ3BtfMb5V+0STqylVBz8oDZLdDigD02ivJbbVNYvPDPgKSXV72Oe+1B7a5kjm5kUeYOeMMflHJHbpVrUNY1HwtZ+N4bbU7uaOwezNtLdyGd7YT7RIwLZJC5LAHgYoA9QorjL62l8MR32r6brd5eR/2VNLHp91M9yJpUXeJVZmJUdAQAF+YdOKyfD8HiSS70HXF1G3FldKovA+sTXQvN68FIjEFjYHnCEAYOeAaAPSaKKKAOb8B/8i7df9hrVf8A04XFdJXN+A/+Rduv+w1qv/pwuK6SgDO13V/7C0efUXsbq9it1LypahC6oASWw7KCBjoDn2rDtfiHYS/2VJf6bqWmW2r7BZXV2kZilLjKLmN22kjoGArX8V/8iZrX/YPn/wDRbVxmheD7zxN4O8InWdYifSrO2tbqOyt7Qxs7LENoeQucgZxwq5oA9Joryhp/FPia31fUdLvbexubDUZo0ll1iaNLZInxsktliKMCoySxyc5yBxWpBbXut/EjW9OuNa1S2tobS0uEjtblo9jksTjI4HGCMcjrQB0OoeJb0ate6b4f0pNUutPiiluo3uxAQJN21UJUhmwpPJUdOa6BGLRqzKUYgEqSCR7cV5fb2sej+N/iBqdp9tmn0yytrmCNr6dhI/kSttcb/nGRwGyB2xTrm4v9N8IeHfFWmazfXl7dzWv2qKW5aSG6ExAdFi+6hBbjaARjnNAHqFFee6FZXeteMvEsV1rmrRw6ZqUJt44boquPLDFSO6kn7vSufurjVYPhnd+IE17VTfadqzxw7ro7GX7YI9rr0cbT0PTHGKAPYqK4F55/D3xJNo+s30lld6NNdTG8m81YZEcfvFXGF4Jyq4HtWZ4eudTi8VeF3W91Oaz1S3nMk95dswvcRh1lEBLLCOcgAjg8gUAeo0V49dTaoPAvi3V117VVutG1i6SzxdHaqxyKArD+MY4wcj2znPWTtJ4k8ca5olxqd5Ypp9pAbWO0uHgZjIGLTEqQXwdq4zt45HNAHa0V5tdXesXuv6f4ah1FdSEek+e9z/aEmmtdyiRoy4aJHY7dmcA4+bJzxXV+DI9Wt/Dq2niG9gvr62leJ54XZ9wByAzFV3MAcE46j1zQBvVzfij/AJGLwZ/2GpP/AE33ldJXN+KP+Ri8Gf8AYak/9N95QB0lFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVzfgP/AJF26/7DWq/+nC4rpK5vwH/yLt1/2GtV/wDThcUAdJRRRQAjEqpIUsQMhR1PtzXJWPj7+0b7ULOz8Ma3Jcaa4S7T/RQYyRkdZ/myB/Dmuurg/BH/ACUbx5/1923/AKKNAHR+HvFWm+JVuRYNLHcWj+Xc2txGY5oG9GU/Q89OK2a8l1fU5rL4peKtb8Pqso0zw6y3ZX5lNwDuUHHcKBn2UitPR7DxFLqGkai2oxLpl9C0d2o1q4umu96Eq8S+UoiYYJ+QgAA9MUAej1T+03v9tm2+wf6D9n8z7b5w/wBbux5ezr053dO1ed6V9pt21rwTeanqcmqyXqfZruS/lMptX+cSK27K7FRwcYBYKD96tc3c2m/FC8sm1O5TT4fDYucTytIkTCUqZMHqdqDJPJ59TQB3NU5NQ8yyvZNLRb24td6CAPs3yqufL3HgZyBnoM+1ec6BcaknifwwftuqTWWrW1x5s93eN/puIw6yrBuYQjnICkHB5Aqv4atP7P8Ahb4vv7G7vobqGbUTHILyVtpjLMpAZiAcgZbGT3JoA9VtJJprKCS6g+zzvGrSQ7w/lsRyu4cHB4z3qWvO7XUrnV9Z8L6DfX11Ba3GhLfSSQzvFLdzAINpkUhuAWY4IJ71i65qmt6b4X8Yaemr3r/2LqFotnfCU+aUmaPMbOOW2h8Z6889qAPXqK42xjutL+KpsF1O+urW70h7qSK6mMirKsyKGUdE4c8KAPauyoAKKKKAObvv+Sp6F/2BdS/9H2NdJXN33/JU9C/7Aupf+j7GukoAKKKKACsPxX4ptfCGjnU9QtLue1VgrtaqjFMnqQzA4+ma3Kw/FcEV1YWdvcIskMt9AkiMOGUtgg/hQBsQXEVzax3MEivDKgkRweGUjIP5Vzfh3xzbeLYNSm0DTb2aKxd4lnmMccU8qgEIp3Fucg5KgAHn0rlfD1xdWlrefDaV5WurW58iKfJBOnvl/Mz6hcx8dGZKPCga18GfEQ2Uj2rW+uak0TQnaUKopGPTpQB6XYTXFxp9vNe2v2S5kjVpbfzBJ5TEcruHBweMjrSahNc2+nXE1hafbLmOMtFb+YI/NYDhdx4GfU15zHd6jdy/DSL+17+Ianp7/azHMczEWm/c2c5bJJyec89RmmT3eo2Hg3x7bRatfudInf7HPJcM00YMKPt3n5iAWPU0AemwPJJbRPPF5MrIC8e7dsOORkdcetSV5/c/bbrxJ4Qt/wC1tQhh1DTJ2uUinK7ykcRB+vznnr6EVgv/AGn/AMIL4vuB4g1cS+HtRuYrF/tbbtqBHHmN1k+9jDEjHagD16ivNNfvrvV5ZfsV/qEtzFoyXDWtpdNaR2jsCwmeRTlycYCbWHGcc12nhK7nv/BeiXl3IZbi40+CWVz1ZmjUk/maANeiiigAooooA5v4cf8AJLPCn/YFs/8A0QldJXN/Dj/klnhT/sC2f/ohK6SgArnm8YW0+pXFloun32syWr+XcPZLGI4X7oXkdFLDuATitq/WdtOuVszi4MTCI5xh8HH61xPwcnhf4a21rCRHfWks0V5G4+eObzGJ3jrnBB5oA6vR9dtta+1LbxXEEtpKIp4bmIxsjFQ3fqMHqMitKvKrnxn4lg0zxjNO+lq+jzxWaTW1q8TOzuq+azM7gBVYnGG9c8YN5bDxHptzdXMmoxwadc6dKVgXWJ72Qyqu8SxtJGuwYGDg7eRjnFAHo9FeWaVNqUGi+AtabWtRmuNSuIbW6jmuC8UiPC7HKHjOUHzdeetRtP4p8TW+r6jpd7b2NzYajNGksusTRpbJE+NklssRRgVGSWOTnOQOKAPV6K88gtr3W/iRrenXGtapbW0NpaXCR2ty0exyWJxkcDjBGOR1rK/tDUDqWj6rp+p6leW11rwtpL6S5aOCeNndfKS2yy7V2434UkrnnNAHqSXcEl5LaJKrTworyIOqhs7c/XafyqHSrm9u9Lhn1Sw/s+6cHzLbzhL5fJA+YcHIwfxrivDOkQN8T/GxWe9Ro5LUKVvJcDzLfLZBbB5JxkHb/DisfQfEOpX3hHwJZX2pXKLrk863l8JSJW2b2WMP1UscDIwcDAxQB6zRXmOrXOqaHeeL9HtdUvZbODQW1S0mkuGkltJBvGzzGyxBKbuSTgfWrGmm+s9a8C3P9r6hcf2vbOl5FPcF43xamQEL0BDDqOT3JoA9Gorz3TXurDxPpx1691MSXN5L5F5FdtNY36usnlx7A2IiAQQNuCU6nt6FQAVzd9/yVPQv+wLqX/o+xrpK5u+/5KnoX/YF1L/0fY0AdJRRRQAVzfhf/kYvGf8A2Go//TfZ10lcJpnizw5oPi3xha65r+l6bcPq0UixXl7HC7KbC0AYBiDjIIz7GgDu6K5v/hY/gj/ocvD/AP4NIP8A4qj/AIWP4I/6HLw//wCDSD/4qgDpKK5v/hY/gj/ocvD/AP4NIP8A4qj/AIWP4I/6HLw//wCDSD/4qgDpKK5v/hY/gj/ocvD/AP4NIP8A4qj/AIWP4I/6HLw//wCDSD/4qgDpKK5v/hY/gj/ocvD/AP4NIP8A4qj/AIWP4I/6HLw//wCDSD/4qgDpKK5v/hY/gj/ocvD/AP4NIP8A4qj/AIWP4I/6HLw//wCDSD/4qgDpKK5v/hY/gj/ocvD/AP4NIP8A4qj/AIWP4I/6HLw//wCDSD/4qgDpKK5v/hY/gj/ocvD/AP4NIP8A4qj/AIWP4I/6HLw//wCDSD/4qgDpKK5v/hY/gj/ocvD/AP4NIP8A4qj/AIWP4I/6HLw//wCDSD/4qgA8ef8AIu2v/Ya0r/04W9dJXnfjTx94PutBto7XxZoczrq2myFY9ShYhUvoGZsBugVSSewBPaug/wCFj+CP+hy8P/8Ag0g/+KoA6SsF/BWhv4kXX2hujqanK3H2+fgZzt279uzP8GNvtUP/AAsfwR/0OXh//wAGkH/xVH/Cx/BH/Q5eH/8AwaQf/FUAa+raPp+u6bJYavax3VrJjdHIO46EHqD7jmstvAvh5tAk0U2MgsJnDyxi6lDSkdNzhtzD2JI4FM/4WP4I/wChy8P/APg0g/8AiqP+Fj+CP+hy8P8A/g0g/wDiqAJtQ8FaHquh22j6hBcz2FtxHC19OOhyNxD5bGONxOO2KkuvCWj31vZxXUE8jWJJtrg3kwniz1xMH8zn/eqr/wALH8Ef9Dl4f/8ABpB/8VR/wsfwR/0OXh//AMGkH/xVAEt74I8P6ho0WlXVi5so5DMIkuZY9zk53MVYF2zzliTnmn6h4P0fVJbCW+ju5JNOUC1cX86mPAxuyHGWx1Y5J7k1X/4WP4I/6HLw/wD+DSD/AOKo/wCFj+CP+hy8P/8Ag0g/+KoAcfAegG41GfyLwS6mNt4y6lcjzh6HEn4cdsjoSKZD8PfDMAshHp7/AOgoY7fddzNtQnJQ5f5k/wBk5HtS/wDCx/BH/Q5eH/8AwaQf/FUf8LH8Ef8AQ5eH/wDwaQf/ABVAEZ+HPhgw2sSWE0UdpKZrdYb6ePynJJLDa4wck4PbtVuHwXoUGoX96LWWSbUUKXfn3c0qTr6MjsVOBwOOBwMVB/wsfwR/0OXh/wD8GkH/AMVR/wALH8Ef9Dl4f/8ABpB/8VQBb0Twlofh1JF0ewWASrsbdI8h2/3QXJwvsOKj0jwX4f0G+e80jTUtpnz0kcqmeu1SSqZ/2QKg/wCFj+CP+hy8P/8Ag0g/+Ko/4WP4I/6HLw//AODSD/4qgDpKK5v/AIWP4I/6HLw//wCDSD/4qj/hY/gj/ocvD/8A4NIP/iqADwH/AMi7df8AYa1X/wBOFxXSV534L8feD7XQbmO68WaHC7atqUgWTUoVJV76dlbBboVYEHuCD3roP+Fj+CP+hy8P/wDg0g/+KoA1tY0ez17TXsNTWV7aT76RXEkW8YxglGBI56Hg03RNDsPDumrp+kxyxWqHKRyXEkuzgDCl2JA46Djrxyay/wDhY/gj/ocvD/8A4NIP/iqP+Fj+CP8AocvD/wD4NIP/AIqgCafwT4dudeOszaZGb5mDPIHZVkI6FkB2sfcg1NbeFNItPEk2vQQzrqU42yzG8mYOP7pQttwOwxgdsVT/AOFj+CP+hy8P/wDg0g/+Ko/4WP4I/wChy8P/APg0g/8AiqAJ7HwZoum63Nq9pDdLe3H+vke/ncS8EYdWcqwAJwCDjtiiw8F6Bpl1HPZWJjMMhlhiM8jRQuerJEWKIeTyoHWoP+Fj+CP+hy8P/wDg0g/+Ko/4WP4I/wChy8P/APg0g/8AiqALOn+D9G0u/vr2xiuornUFK3Mhvp2Mme/LnDDswwR2Iqkfhx4YOjyaUbO6NhLMJ3tzqNyVZ85z/rPXn3OD1AqT/hY/gj/ocvD/AP4NIP8A4qj/AIWP4I/6HLw//wCDSD/4qgB7eBtBk1OPUJoLqa6jh+zq82oXEn7vGChDOQQR1BHJ5OTzTLX4f+GbI2ht9NKtZMWt2NxKzR5GCAS2cY/h6DsKP+Fj+CP+hy8P/wDg0g/+Ko/4WP4I/wChy8P/APg0g/8AiqAI/wDhXHhn+zruwNrdm1vZfOuYjqVyRM/OWb95yTnJ9SATnAxYvfAvh3UfsZvbBppLJPLhla5l8wJ/dZ925x7MSKj/AOFj+CP+hy8P/wDg0g/+Ko/4WP4I/wChy8P/APg0g/8AiqALWr+D9B1y3tYdS06N1sxi2MbNE0IxjCshBAwBxnFalnZ2+n2cVpZRLDBEu1EXoB/nv3rB/wCFj+CP+hy8P/8Ag0g/+Ko/4WP4I/6HLw//AODSD/4qgDpK5vxR/wAjF4M/7DUn/pvvKP8AhY/gj/ocvD//AINIP/iq5/xH4+8Hz694Tkg8WaHIlvq0kkzJqUJEa/YbpdzENwNzKMnuwHegD0Siub/4WP4I/wChy8P/APg0g/8AiqP+Fj+CP+hy8P8A/g0g/wDiqAOkorm/+Fj+CP8AocvD/wD4NIP/AIqj/hY/gj/ocvD/AP4NIP8A4qgDpKK5v/hY/gj/AKHLw/8A+DSD/wCKo/4WP4I/6HLw/wD+DSD/AOKoA6Siub/4WP4I/wChy8P/APg0g/8AiqP+Fj+CP+hy8P8A/g0g/wDiqAOkorm/+Fj+CP8AocvD/wD4NIP/AIqj/hY/gj/ocvD/AP4NIP8A4qgDpKK5v/hY/gj/AKHLw/8A+DSD/wCKo/4WP4I/6HLw/wD+DSD/AOKoA6Siub/4WP4I/wChy8P/APg0g/8AiqP+Fj+CP+hy8P8A/g0g/wDiqAOkorm/+Fj+CP8AocvD/wD4NIP/AIqj/hY/gj/ocvD/AP4NIP8A4qgDpK5vwH/yLt1/2GtV/wDThcUf8LH8Ef8AQ5eH/wDwaQf/ABVc/wCC/H3g+10G5juvFmhwu2ralIFk1KFSVe+nZWwW6FWBB7gg96APRKK5v/hY/gj/AKHLw/8A+DSD/wCKo/4WP4I/6HLw/wD+DSD/AOKoA6NlDqVOcEYODg/mK5qD4e+Hraa5lt49Qiku23XDJq12DOfV/wB783U9c07/AIWP4I/6HLw//wCDSD/4qj/hY/gj/ocvD/8A4NIP/iqANXTNC0vRtONhpdjDb2zEl41XhyepbPLE+pzVLRfBmgeHrt7nR9OW2lcEcSOwQHqFViQmf9kCq/8AwsfwR/0OXh//AMGkH/xVH/Cx/BH/AEOXh/8A8GkH/wAVQBtHTbM6suqG3Q3qwG3E/wDEIy27b9MjNZ0ng/RZtfl1qa2lkvpoWgkd7qUq0ZBBQpu2beScYxnnrzVb/hY/gj/ocvD/AP4NIP8A4qj/AIWP4I/6HLw//wCDSD/4qgBbPwB4asJLJ7bTdr2LFrZnnkcx5GCBuY/Lj+E8e1Pk8DeHpYtSjNiypqjs92I7mVPMLHLfdYbQx6gYB75qP/hY/gj/AKHLw/8A+DSD/wCKo/4WP4I/6HLw/wD+DSD/AOKoAnfwZoUml2Fg9pIYdOJNm4upRLB/uy7t49MbugA6AUl54J0C/wBD/si5spGsTL5zxLcyoZXznc7KwZznByxPIHoKh/4WP4I/6HLw/wD+DSD/AOKo/wCFj+CP+hy8P/8Ag0g/+KoAni8G6NFrcGrrHeNf28Yijmk1C4fCAAbcFyCOMkEcnk5PNbtc3/wsfwR/0OXh/wD8GkH/AMVR/wALH8Ef9Dl4f/8ABpB/8VQB0lFc3/wsfwR/0OXh/wD8GkH/AMVR/wALH8Ef9Dl4f/8ABpB/8VQAX3/JU9C/7Aupf+j7Gukrzu88feD2+JOjXS+LNDNvHpN/G8o1KHYrNNZlVJ3YBIRiB32n0NdB/wALH8Ef9Dl4f/8ABpB/8VQB0lFc3/wsfwR/0OXh/wD8GkH/AMVR/wALH8Ef9Dl4f/8ABpB/8VQB0lZWteG9N8QGD+1FuX+zuHiEN5NCFYHIbEbqCR2J5HaqH/Cx/BH/AEOXh/8A8GkH/wAVR/wsfwR/0OXh/wD8GkH/AMVQBrHRrA3b3XkkXT2v2RrgSMJfKznbvzu6nOc5zzmsi1+H3hyys7+1tba6jg1HP2tBqNwfOJIJJ/edTjBPUjIPBIpf+Fj+CP8AocvD/wD4NIP/AIqj/hY/gj/ocvD/AP4NIP8A4qgBF+H/AIdRtOKW92DpY22WNSuf3A77f3nvj6YHQAUh+Hvhxor+Nra8ZNSObxTqVyfPPq37zn/DjpTv+Fj+CP8AocvD/wD4NIP/AIqj/hY/gj/ocvD/AP4NIP8A4qgB8XgbQob+wvY4bv7RpqBLRzqNwfKUfw4MmCD0IOQRwcioF+HXhpbK9tBa3n2e/fzLqM6nckTN6t+85J7+vGak/wCFj+CP+hy8P/8Ag0g/+Ko/4WP4I/6HLw//AODSD/4qgBR4B8N+dFK2ns7xQC2BkuZX3RjOFbLfOBnjdnHGOgrX0rSbLRNMh0/S4PItYF2xpuLYH1JJP4msf/hY/gj/AKHLw/8A+DSD/wCKo/4WP4I/6HLw/wD+DSD/AOKoA6Siub/4WP4I/wChy8P/APg0g/8AiqP+Fj+CP+hy8P8A/g0g/wDiqAOkorm/+Fj+CP8AocvD/wD4NIP/AIqj/hY/gj/ocvD/AP4NIP8A4qgA+HH/ACSzwp/2BbP/ANEJXSV534B8feD7P4beGrW88WaHBcQ6TaxyxS6lCrxsIVBVgWyCCMEGug/4WP4I/wChy8P/APg0g/8AiqAOkrEvPB+iXupvqL2slveyDElxZ3MttJJ/vNEylvxzVb/hY/gj/ocvD/8A4NIP/iqP+Fj+CP8AocvD/wD4NIP/AIqgC9Y+FtF07T7qytdPjEF5n7SshMhnyMHeWJLcepqpZeBPDum6fdWVjYvBDdJ5cuy6lDbM52q27cq+ykA0z/hY/gj/AKHLw/8A+DSD/wCKo/4WP4I/6HLw/wD+DSD/AOKoAYfh34b+x2Vr9mvBBYP5lqg1O5Agb1X95wR29Ocdasz+CfDtzrx1mbTIzfMwZ5A7KshHQsgO1j7kGof+Fj+CP+hy8P8A/g0g/wDiqP8AhY/gj/ocvD//AINIP/iqALlt4U0i08STa9BDOupTjbLMbyZg4/ulC23A7DGB2xVJfh34WVdq6UAv2gXKr58mEkBzlRu+XnqFwD3FL/wsfwR/0OXh/wD8GkH/AMVR/wALH8Ef9Dl4f/8ABpB/8VQBbn8JaLPqtxqTWjJeXEQhkminkjJULtGNrDBCkgMMEAkZqCDwL4dt/Do0OPTydOWXzo4ZLiVzE/8AeRmYsh7/ACkcknuaj/4WP4I/6HLw/wD+DSD/AOKo/wCFj+CP+hy8P/8Ag0g/+KoAst4P0V9Ju9Oe3maC+P8ApTG7mMs/GMPLu3sMcYLYxxVYeAfD4bTm8i8zpgxZ/wDEyuf3A/2f3nvj6YHQAUf8LH8Ef9Dl4f8A/BpB/wDFUf8ACx/BH/Q5eH//AAaQf/FUAT2XgzQtPvIrm2tJN8MjSxJJdSyRxOc5ZY2YqrHJ5AB5rdrm/wDhY/gj/ocvD/8A4NIP/iqP+Fj+CP8AocvD/wD4NIP/AIqgDpK5u+/5KnoX/YF1L/0fY0f8LH8Ef9Dl4f8A/BpB/wDFVm23iPQ/EHxT0j+wdZ0/U/I0XUPN+xXSTeXunssbtpOM4OM+hoA7aiiigArm/C//ACMXjP8A7DUf/pvs66Sub8L/APIxeM/+w1H/AOm+zoA6SiiigAooooAp6pq9hotn9q1W6jtodwQM55Zj0VR1JPoOao2/i/Rbm5ht/tE1vNcMFgju7SW3aYn+4JFXd+Ga5e+l+1fH/T7TVBm3ttHefT0b7pnL4Zh/tbAfpgVpeNvEFzo2paJarodrqcd/exxW8kt6YWiuMnBIEbcAdwc8kY9QDsKK81u/EHjHWG1SfwzaXvm2F/JaQwxi0NrL5bBXEjSOJck5wVC4GODV5NT1/V/Hd7o9tq/9n239lw3aeXBFK0TOxBAYghug5OQe3rQB3lNkljhjLzOsaDqzHAH415vaeM9bv/DvhaBUnl1DV0uDPNYJCJMQHaSgmYRgkkHnPGcD0zPElx4pl8Kx23iCe7sZE1y2jhkDWwluIHkG1pFj3qGVlPTCkjocUAeozaj5Or2th9ju5PtCO/2lIswxbccO2eCc8Dvg1crkbjUtU0/4i6Fop1B7izubKeSbzYow8jptwxKqOeewA9qp6JqHiLxDoWm+JrLWbeGC5n8yawnjQQJbbyCN4Uv5gA67tuc8CgDuqKKKACiiigDm/Hn/ACLtr/2GtK/9OFvXSVzfjz/kXbX/ALDWlf8Apwt66SgAooooAKz9Y13TPD9n9q1i7S1hLBQzZJJJxgAZJ6jpUOueJ9K8OeR/a800X2jd5flWss2duM52K2PvDriuc+KF1FffCS7u7Ys0M5tJIyyFSVa4iIyCARwehGaAOt1XV7HRLBr3VLhbeBSF3EFixPQBRksT6AE1W0XxNo/iGxmu9Iv454YGKzEgo0RHXcrAFfxFXriC2Mkd3chc2oZ0kc4EeRgn06ZGfQn1NcVL4Vm13T/GF5ZsLJ/EcKQ22Rt3JHGVV3HUbyx99uMjORQB0eneLNF1a9S0srtmmlQyQiSCSNZ1HVo2dQJB7qTWneXlvp9nLd3syQW8Kl5JJDhVA7k15lq15ql7q3gXSLrRn07Vbe/SeQiaOQeTGhWUrsYkIQR97b6YNdf480W/13ws9vpJQ3cM8NzHFI21JjG4fYT2zj88UAaGleJNL1m4lt7GeT7REgkaCe3kgk2HowWRVJU+oGKmvda0/Tr+xsry6WK5v5DHbRYJaQgZPToAB1PHT1Fef3+tz3PxR0i7m0q5sG0fSru51KPek0nlMo2r+7ZgfmUlRnJ64FZGo+L9En8ReHNWurm4e8/tAy3P+gXAEEQhkCxpmMFgC3OMkksenQA9M8QeLtE8L+R/bl4bc3G7y1WGSUtjGThFJA5HJqO/8Z6Hpmn2N7e3UqQ36b7bbaTM7rgHOxVLAYI6gdRWZ4p8K6rc6hL4g8N69eWWqRQBEtnKtbSquSEZMdyTznjNbWg6rHqvhmw165gW1e5sknk3DlAV3EZ67eSRQAaF4o0nxKLg6PcSTfZmVZRJbSRFSRkDDqM8ela1c94LiaTRH1WZCs+sTtfOGGCFbAiU/SNUH4GuhoAKKKKAOb8B/wDIu3X/AGGtV/8AThcV0lc34D/5F26/7DWq/wDpwuK6SgAooooAKz7DXdM1PUb2x0+8S4ubHZ9pRMny9+dvPQ52npVPRfGOi+Ib17TSp7iSZIzIwks5oRtBA6ugHUjjOayPDf8AyVjxt/1y07/0XJQBp3/jvw1perf2bf6rHDc7xG2UcojEZCtIBtU+xINXtU1/TtHmhhvZZDPOGMUFvbyTyuB1ISNWbAyMnGOax/F+k2+o+G5vDFlChm1QscEZESlw0kxz6E5HqxArN8U22oW/inTJPB00cmu21i6yWlz/AKqa0DD7zcFW3gBSOpznABIAOy03U7PV7FLzTZ1ngckBgCMEHBBB5BBGCDyKZqus6fodl9r1a7jtYdwUM5+8x6KB1J9hzWL8P7m1uvDLy28VxDctdzG/juQBIt0WzICBwOTxjtiudMOsa98VtdnspbJZNAhhgsY7+FpERpU3s4VWXBbpuySB2oA9BsL6HUrGO7tRKIpQSvnQvE2M4+64DDp3HI56GqEfirRZdEutXiv0ksLR3jmnRGIDKcEAAZbngYzntmuMPxGstY0HTotXW50z7Ysgv/It5ZsCNyjRo0anG4qeeoXPcg1a+F2p6VqVnrVrZDcI9YurlEa2dFVGlJjI3KADx06juBQBu6Z498O6xqkGnWF3cNdT7vLSSxnjDbVLH5nQAcD1qtN8TvCcDOJNQnxGxUumn3DLkHHDCMgjPcHFWbZV1fx5e3LDfBpFuLOPIyDNLiSX24QRD8TSeI40vdS0Xw/GoEU0/wBqnRRwIIMMBgdjIYh9M0AdJRRRQAVzfij/AJGLwZ/2GpP/AE33ldJXN+KP+Ri8Gf8AYak/9N95QB0lFFFABRRWTrnifSvDnkf2vNNF9o3eX5VrLNnbjOditj7w64oAm1rXdM8Pac99rV4lpbJ1d8n8gMk/hUuqarZaNp73up3C29uhALsCcknAAA5JJ6AcmuR+KV1FffBvVru2LNDPbRSRlkKkqzoRkEAjg9CM12c9vBK8M1wqk2zGSNmPCHaVLfkSPxoAz9E8UaN4jt559HvknS3bbMCrRtEf9pWAK9D1Hao7Dxdomp30dpZ3haWZS0BeCSNLgDqY3ZQsmP8AZJrAPhp9f/4SrU7RxZ/27ZLZ2rgY3qqMBM3f5i3HfaB61gavc6tMvgfQLvRmsNWt9St3DrNHIpjhXEjoEYnZt6htvXHNAHqd1dQWVrJc3cqwwxKWd3OAorO0bxRpGvzXEGl3RkntsedDJC8UiA9CVcA4PrjFajoki4kVWAIbDDPIOQfwIzXA6Lc6lB8VL0+JtLhgv7zTsWU1lOZImgifLJyqkvucEkgcYGB3AOr1TxNpGjXUVrfXR+1TDdHbQRPNKw6ZEaAtj3xUWs+L9D8PzCLVr3yGwCxELusYPALsqkID/tEV5v4c1bXNH8BT+P2WwvTfTtc6hHJG/wBoaISbAqSbtqhAOF2kdee1dn49j1e88H3UfhzT7W7ivYW+2CSXy5WjKgHyxtILlcgFjxgcHsAdLe6nZadpz397cxw2qLvMzN8uOufen2N7b6lp9vfWUnm21zEs0T4I3IwBBweRwR1rnJb211H4RTXenRNDazaK7QxsclF8k4U/TpV3wN/yTzw7/wBgu2/9FLQBu0UUUAFc34D/AORduv8AsNar/wCnC4rpK5vwH/yLt1/2GtV/9OFxQB0lFFFABRRRQBV1LU7PR7F7zUp1ggQgFmycknAAA5JJ4AHJqLStasNailfTpmcwv5csckbRSRNjOGRwGU4OeQK5bxy8h8aeCLd+bV9RkdwehkWI7Px5OKNOaRfjlrMcXEL6PA8wHQuHIXPvtJoA7dmCqWYgKBkknpVPSdXsdd0yPUdJuFubSUsElUEBtrFTjPup571zXi7xPpdtq0WiavLcQ2jRia6MdpNL5y54iBRDwcZbPbj+I45rwl430/TfhpDHbSzLcfbZ4jJ9imdYPMnlcOQE+bC84GecA45wAek22tadeanfafbXSSXWnhDdRjP7reCVyemSFPGeO/WsFPid4UkkjRNQuD5rrGjf2fcbWZiAuG8vHJIAOe9c54G1fQJfiBr2n6a88sN5a2qx+faygzFVmMpcsowSWyS2NxJxmus1oDUvFWjaQBmK2J1K4AHGI/liH4u27/tnQBqavrmm6FbpNq12lssjbIwclpG9FUZLH2ANWbO7jvrOK5gEgjlXcvmxNG2PdWAYfiK82sl17WfHXinWdNewa70mX7BYwX0TyBFCBmC7WXYXJ5bn0xiu48Ka8vifwrp+spCYPtcW8xk52sCQRnuMg0Aa9FFFABRRRQBzd9/yVPQv+wLqX/o+xrpK5u+/5KnoX/YF1L/0fY10lABRRRQAUUUUAFFFYf8AwmWif29/Y32i4+3eZ5Wz7HNt3em/Zt/HOKALj67pkeuxaM14n9oyoZEtxkttAySccD8ag1vxVo3h0gavdmEld52QvJsXONzbFO1eDycDg+lYOs/8lm8Nf9g+8/8AZK1PGUGtSeHbyLwxY2VxdXMbRy/aJShKlcfL8pDNg8biAPfpQBp3etadY6QuqXV3GlkyqyTA7g4bG3bjlicjAGSc0mla1Ya1FK+nTM5hfy5Y5I2ikibGcMjgMpwc8gV5x9tt72H4YpYW0ltphuWH2eZslJIoyqBj3IIbnvW9pzSL8ctZji4hfR4HmA6Fw5C599pNAHcUUUUAFFFFABRRRQBzfw4/5JZ4U/7Atn/6ISukrm/hx/ySzwp/2BbP/wBEJXSUAFFFFABRRRQAUUVyvxM1W80b4d6pd6a5iuSqQpKDjy/MdULZ7YDHn1xQBqweJtIutafSbS6NzeRkrIsETyJEQMkO6gqh9mI5461CPGGhNqK2Qvv3jzGBZDDIIWlHWMS7dhbtt3ZrndOk1DwXqOh+GJ47E6ZqMckFvNZxPHLBMqbiX3MQ+7k7gBz1Fctr8Gs6J8JY/CF/pJN8bmO1sLyKeMrcv529XRQd4bAycgdzntQB7NRSKGCAOdzY5IGMmloAKKKKACiiigArm77/AJKnoX/YF1L/ANH2NdJXN33/ACVPQv8AsC6l/wCj7GgDpKKKKACub8L/APIxeM/+w1H/AOm+zrpK5vwv/wAjF4z/AOw1H/6b7OgDpKKKKACiiszXvEOneGrKG71abyYZriO2VsfxOcD8ByT7A0AR6/4Y03xGlub9JEuLV/Mtrq3kMc0DeqsOnTp0qi3gmG51Cwu9X1jVNUbTpVmtkuXiVUcdG/dxqWP1JrevbhrWxmuEiMrRIXCBgN2B0yao+F9cHiXwxY6wtubYXkfmCIvu28kYzgZ6elAGbN4D059cudSt73UrMXrb7y0trnZBctjBLrjOSOu0jNOPgxF8T3Ou2+tanb3Nxb/ZikQg8tIxnaFBiP3Scgkk565HFdLRQBxsXwz0yPQLTSzqWqP9gmaeyu/ORZ7VmyW2OqDgknhgf5VfvPBNhf8Ah5tKu7y/kZpkuDfNMDcGRCCrbiMcYAxjGO1dHWbZ6pKNItrrXbVdKuZpFia2Mwl2uz7UUMvBzkH2z7UAZ0ng2GTxJp2ttq+pm40+IxRIXjZGVvv7soWO7vzx2xUen+AdM0vUXns7vUEtGn+0DTPtH+irJnduCYz97nGcZ7Vb0/xIb3xjqmgtZGE6fDFN5xlB8wPnHy446etblABRRRQAUUUUAc348/5F21/7DWlf+nC3rpK5vx5/yLtr/wBhrSv/AE4W9dJQAUUUUAFYnirwvD4t0r+zrzUL20tSwaRLQxjzSrBlyWRjwVB4x75rbooAw9Z8Mtrej2+n3Gt6nCsRDPNbtEsk5HTf+7I684AA9qbpvhibTVuf+Kk1u7kmj8tJLqaJ/J/2kXy9uf8AeB/nW9RQBj6L4ZstFuZ7tJLi8v7kBZr28k8yV1HRc4AVf9lQB7Uv9gOkGoJb6zqcL31wZzKJUdoMgDZHvVgq4HTGRng1r0UAZmieH7HQIZlsVkeW4fzLi5ncySzv6ux5PsOg7U7U9EttVv8ATLu4eVZNNuDcQhCAGYoUw2QcjDHpitGigDEn8M/aNSu7iTWdVNteY82w89fJwABhfl3oDjkKwzk1e1HSoNS0SfSnLwW08JgYQEKVQjBA4wOOKu0UAIiLGioihVUYCgYAHpS0UUAFFFFAHN+A/wDkXbr/ALDWq/8ApwuK6Sub8B/8i7df9hrVf/ThcV0lABRRRQAVz2leEU0nxNf62ur6lc3GoBRcRzmHy3CAhOFjBG0E4wfrmuhooA5ObwI8uo3V6nizxDBJdPucRTwgAdlH7rhR2H19TV+88KQXNzZXkGo6hZ39nB9mW9hkVpJI+MrJvVlfJAPIznmt2igDCHhO1j0f7Bb3uoQFroXc1zFcbZp5NwYl2xyDgAgADHAxS6h4Wt7zWG1S0vr3TL2SIQzy2TIPPQdAwdWHGThhhhnrW5RQBU0vTLTRtLg0/T4vKtoF2ouc+5JJ6kkkk9yah0fRbfRIruO0eVxd3k14/mkHDyNuYDAHGTx/OtGigCnpmlw6VBLHA0jma4kuJHkILM7sWPQDgZwPYChNLhTW5tVLSNcSW6W4DEbURWZvlGOpLc9eg9KuUUAFFFFABXN+KP8AkYvBn/Yak/8ATfeV0lc34o/5GLwZ/wBhqT/033lAHSUUUUAFFFFAGL4q8Mw+LdFfSry+vLW1lI85bQxgygEEAlkbAyAeMU3VvDLazoUOmXGt6nGqEGSeFolknx2f93tI9gBnvW5RQBg6Z4Ym0xrhz4k1u8eWFoka7mjcQk/xqvlhdwwMbgR7cmpdH8L2WkXs1+Zbm+1GdQkl7eSb5So6KMABVzzhQBmtmigDEn8NLPBqca6xq0LahMs3mRXWGtiuOIuPlU7eQcg5NTadoMVjefbbi7udRvfK8kXN2U3KmQSoCKqjJAJwMnAzWrRQBzH/AAgem5lgW5vF0yaf7RJpYdfs7SbtxONu/Bbkru2n0q3deGTdaldXB1zVo4LsBZbJJ18nAGCFypZM452sOprcooAytS0CC+8ONolvPPpto0Pkf6GEDCPbt2DcrADHHTPvUmg6OugaJbaXFd3N3DaoI4nudhdUAwq5VVBAAx0z71o0UAFFFFABXN+A/wDkXbr/ALDWq/8ApwuK6Sub8B/8i7df9hrVf/ThcUAdJRRRQAUUUUAZ2t6Ja69YpbXhkjMUqzwTQttkhkU/K6nnke4I5INVbTwvbWlpqaC8vZbvVFK3OoPIBO3ylVKlQFXaD8oVQB6Vt0UAQWVqLLT7e1EsswgiWMSzvud9oxuY9ycZJ9aq6Fotv4e0ePTrJ5XhjkkkDSkFsvIznoAOrHHHStGigDOtNFt7PXtR1eJ5TcahHDHKrEbFEQYLtGM/xnOSe3SpbfS4LfV7zUlZ3uLtI0fcRhVTO1V44GWY9+SauUUAYF/4QtbvVLq/tb++02W+jWO8FnIii5CjA3blOCBxuXacd62LGyttNsILKwhWC2t0EcUaDhVAwBU9FABRRRQAUUUUAc3ff8lT0L/sC6l/6Psa6Subvv8Akqehf9gXUv8A0fY10lABRRRQAUUUUAFFFFAHP3nhFL3xfa+In1fUY7i0UpDbp5PkqhxvTBjLENjk7s88EcYnvPD0l1q0l9FrurWqyoEe1hmTySB3AZCVPupBrZooAxr3wtpd3oVtpKRNawWbpJatbtte3dPuupOeevJznJznJqXRtAt9Gku51nuLu8vXV7m7uWBkl2jCj5QFAA6AADrWpRQAUUUUAFFFFABRRRQBzfw4/wCSWeFP+wLZ/wDohK6Sub+HH/JLPCn/AGBbP/0QldJQAUUUUAFFFFABVbUdOtdW024sNQhWe1uEMcsbfxA1ZooAwtN8KW9hfW13cX99qUtnG0Vob10b7OrDB27VXJIGNzZbHGaLDwnaWmrjVb27vNV1BFKRXF86nyQeoRUVUXPchc1u0UAFFFFABRRRQAUUUUAFc3ff8lT0L/sC6l/6Psa6Subvv+Sp6F/2BdS/9H2NAHSUUUUAFc34X/5GLxn/ANhqP/032ddJXN+F/wDkYvGf/Yaj/wDTfZ0AdJRRRQAV514nhfxfqWq2R0S/1PTrW2exhktmgCrctgyP+9kQkphFBAODvFehyIJI2RiwDAglWKn8COR9RWdofh7TfDlq9tpEc0UMjmQpJcyTDcTkkb2OMkknHU80Ac34F1641r4ezwaoGj1XS0ksb6N/vCRFxk/UYOfXNc7pVxewfCjwUtvLcpZyyrHex2LMLmSPDnEez5jgjJ2/NgHHQ12lv8P/AA7aXV7c29vdxzagpW6kGpXOZgeu4+Zz9e1Yev8AgeC107S9L0jw8dU0S2lkllsv7QdZkcptUxvI3yqMsSoZeSD65AMmWfV/C/hXxZ4htrjV2iEqR6WdUnnd4omKK7+VKeNrFiCw3YXng1tahFdeHPFPhv8AsjVb+8tNWme1uobm6a4DjyywmQsTsIxk7cLjsKs+F/CFvZtck6RNpun3NsYJdNu75rsSkn7zAsyrgZHDHO45xjnZ03whouksGsbaVGWIwxM91LIYUPVY9zHyx/u46UAcx4CsbvWrW51C/wBc1Z3tdSvLdIxdnYybioDDuR1B7EDFcyvm678PPh3e6rd3k9zca3HHLN9rkVmDNNk5Vhz8ow3UdARXpml+DtF0WxvbPTIbmCC+JM4F9OxJOcsGLkqxzyVIJ4z0FQxeAvDkPh+PRI7GT+z4pxcRRG6mJikHQoxfcv0BA5PqaAOZh0Yaj8UvEdit/fWka6bZqJLa5ZJDgOATJncfXrz3zVSx1PVdU0D4fXM2r3sU2oSmG6aKTb5o8qQ5YYwT8o5P1rsU8CaBFf3F7Db3UNxcReTK8WoXCZjAwFwHAAA6AdO2Kgi+G/hmCKzjhtbxI7BzJaqNTucQMepQeZ8v4ep9aAOYhsryW+8baQdf1kW2kCOa0YXzearPb+YcyfeKgjhc45OQa7XwZqM+r+B9Fv7xi9xcWUTyuf422jLfiefxqA+A9ANxqM/kXgl1Mbbxl1K5HnD0OJPw47ZHQkVqaNo1joGlx6dpUckVrF/q43meXYPQFySB7dKAL1FFFAHN+PP+Rdtf+w1pX/pwt66Sub8ef8i7a/8AYa0r/wBOFvXSUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBzfgP/kXbr/sNar/AOnC4rpK5vwH/wAi7df9hrVf/ThcV0lABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVzfij/AJGLwZ/2GpP/AE33ldJXN+KP+Ri8Gf8AYak/9N95QB0lFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVzfgP/AJF26/7DWq/+nC4rpK5vwH/yLt1/2GtV/wDThcUAdJRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAc3ff8lT0L/sC6l/6Psa6Subvv+Sp6F/2BdS/9H2NdJQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHN/Dj/AJJZ4U/7Atn/AOiErpK5v4cf8ks8Kf8AYFs//RCV0lABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVzd9/yVPQv+wLqX/o+xrpK5u+/5KnoX/YF1L/0fY0AdJRRRQAVwmmeLPDmg+LfGFrrmv6Xptw+rRSLFeXscLspsLQBgGIOMgjPsa7uub8L/APIxeM/+w1H/AOm+zoAP+Fj+CP8AocvD/wD4NIP/AIqj/hY/gj/ocvD/AP4NIP8A4qukooA5v/hY/gj/AKHLw/8A+DSD/wCKo/4WP4I/6HLw/wD+DSD/AOKrpKKAOb/4WP4I/wChy8P/APg0g/8AiqP+Fj+CP+hy8P8A/g0g/wDiqfr3jnQvDWp2un6xLex3N4cW6Q6bcziZuflVo42DNx90HPtVrQvFWjeJHuY9IvPNntGC3FvLE8M0JPI3xuFZc9sigCl/wsfwR/0OXh//AMGkH/xVH/Cx/BH/AEOXh/8A8GkH/wAVXSUjusaM7sFVRksTgAetAHOf8LH8Ef8AQ5eH/wDwaQf/ABVH/Cx/BH/Q5eH/APwaQf8AxVat/qosZbBUs7y8W+nEIktIvMWEFS2+Q5+VOMbueSPWr9AHN/8ACx/BH/Q5eH//AAaQf/FUf8LH8Ef9Dl4f/wDBpB/8VVuPxPZS+NJvDAiuBfRWQvi7RgRmMvsGDnJO7Pbsa2aAOb/4WP4I/wChy8P/APg0g/8AiqP+Fj+CP+hy8P8A/g0g/wDiq6SigDm/+Fj+CP8AocvD/wD4NIP/AIqj/hY/gj/ocvD/AP4NIP8A4qukooA878aePvB91oNtHa+LNDmddW02QrHqULEKl9AzNgN0CqST2AJ7V0H/AAsfwR/0OXh//wAGkH/xVHjz/kXbX/sNaV/6cLeukoA5v/hY/gj/AKHLw/8A+DSD/wCKo/4WP4I/6HLw/wD+DSD/AOKrpKKAOb/4WP4I/wChy8P/APg0g/8AiqP+Fj+CP+hy8P8A/g0g/wDiq6SigDm/+Fj+CP8AocvD/wD4NIP/AIqj/hY/gj/ocvD/AP4NIP8A4qukooA5v/hY/gj/AKHLw/8A+DSD/wCKo/4WP4I/6HLw/wD+DSD/AOKrUu9e0yw1S0026vEjvLxisEOCWcgE9unAPJxTNZ8RaXoEavqtw0e4FgscLytgdW2oCcDIycYFAGd/wsfwR/0OXh//AMGkH/xVH/Cx/BH/AEOXh/8A8GkH/wAVWquu6W+hDWlvof7NMXm/ad3ybfXP9PwpmleINN1p5k0+d2lg2mSKWF4ZEDDKko4DYPY4waAM3/hY/gj/AKHLw/8A+DSD/wCKo/4WP4I/6HLw/wD+DSD/AOKrpKKAOb/4WP4I/wChy8P/APg0g/8AiqP+Fj+CP+hy8P8A/g0g/wDiq6SigDm/+Fj+CP8AocvD/wD4NIP/AIqj/hY/gj/ocvD/AP4NIP8A4qukooA878F+PvB9roNzHdeLNDhdtW1KQLJqUKkq99Oytgt0KsCD3BB710H/AAsfwR/0OXh//wAGkH/xVHgP/kXbr/sNar/6cLiukoA5v/hY/gj/AKHLw/8A+DSD/wCKo/4WP4I/6HLw/wD+DSD/AOKrpKKAOb/4WP4I/wChy8P/APg0g/8AiqP+Fj+CP+hy8P8A/g0g/wDiq6Ss+w13TNT1G9sdPvEuLmx2faUTJ8vfnbz0Odp6UAZf/Cx/BH/Q5eH/APwaQf8AxVH/AAsfwR/0OXh//wAGkH/xVSX/AI78NaXq39m3+qxw3O8RtlHKIxGQrSAbVPsSDV7Vdf07RnijvppPNmBMcMEEk8jAdSEjVmwO5xgUAZv/AAsfwR/0OXh//wAGkH/xVH/Cx/BH/Q5eH/8AwaQf/FVt6fqNpq1hFe6dcJcW0oykiHIP+B9u1UtS8T6VpN4bW7mma4WPzXjt7WWdo06bnEattXg8nA4NAFH/AIWP4I/6HLw//wCDSD/4qj/hY/gj/ocvD/8A4NIP/iqtaj4v0PStPtL67vs296M2zwRPP5oxnICAnGO/TkU7QvFWkeJWuV0e4lma12+cJLaWEruzj76jPQ9KAKf/AAsfwR/0OXh//wAGkH/xVH/Cx/BH/Q5eH/8AwaQf/FVJo/jrw9r+qtp2kXz3NyqsxAtZVXA4J3lQuPfPPajUfHXh7StcXR72+db9mRRDHayyctjaMqpAJyOM9xQBH/wsfwR/0OXh/wD8GkH/AMVR/wALH8Ef9Dl4f/8ABpB/8VXSUUAc3/wsfwR/0OXh/wD8GkH/AMVXP+I/H3g+fXvCckHizQ5Et9WkkmZNShIjX7DdLuYhuBuZRk92A716JXN+KP8AkYvBn/Yak/8ATfeUAH/Cx/BH/Q5eH/8AwaQf/FUf8LH8Ef8AQ5eH/wDwaQf/ABVdJRQBzf8AwsfwR/0OXh//AMGkH/xVH/Cx/BH/AEOXh/8A8GkH/wAVXSUUAc3/AMLH8Ef9Dl4f/wDBpB/8VR/wsfwR/wBDl4f/APBpB/8AFVqa1rumeHtOe+1q8S0tk6u+T+QGSfwqXVNVstG0973U7hbe3QgF2BOSTgAAckk9AOTQBjf8LH8Ef9Dl4f8A/BpB/wDFUf8ACx/BH/Q5eH//AAaQf/FVe0TxRo3iO3nn0e+SdLdtswKtG0R/2lYAr0PUdqjsPF2ianfR2lneFpZlLQF4JI0uAOpjdlCyY/2SaAKv/Cx/BH/Q5eH/APwaQf8AxVH/AAsfwR/0OXh//wAGkH/xVb91dQWVpLdXkyQwQqXkkkbCqo6kms/S/E2laxdva2NxJ9oVBL5M9vJC7IejqJFBZf8AaGRQBQ/4WP4I/wChy8P/APg0g/8AiqP+Fj+CP+hy8P8A/g0g/wDiqrzfE7wnAziTUJ8RsVLpp9wy5BxwwjIIz3BxXRalqVno+mz6hqU629rboXllboo/Dk/QcmgDF/4WP4I/6HLw/wD+DSD/AOKo/wCFj+CP+hy8P/8Ag0g/+KrVvNb0/T9DbWLy48uwWNZTLsY/K2MfKBkk5HGM81DoHibSvE9rLcaJcSXEUT7HZ7eSLDYzj51GePSgCh/wsfwR/wBDl4f/APBpB/8AFUf8LH8Ef9Dl4f8A/BpB/wDFV0lFAHN/8LH8Ef8AQ5eH/wDwaQf/ABVc/wCC/H3g+10G5juvFmhwu2ralIFk1KFSVe+nZWwW6FWBB7gg969Erm/Af/Iu3X/Ya1X/ANOFxQAf8LH8Ef8AQ5eH/wDwaQf/ABVH/Cx/BH/Q5eH/APwaQf8AxVdJRQBzf/Cx/BH/AEOXh/8A8GkH/wAVR/wsfwR/0OXh/wD8GkH/AMVXSUUAc3/wsfwR/wBDl4f/APBpB/8AFUf8LH8Ef9Dl4f8A/BpB/wDFVtalqdno9i95qU6wQIQCzZOSTgAAckk8ADk1FpWtWGtRSvp0zOYX8uWOSNopImxnDI4DKcHPIFAGV/wsfwR/0OXh/wD8GkH/AMVR/wALH8Ef9Dl4f/8ABpB/8VWtqus2GiwxyajMY/Ofy4o0jaSSVuu1UUFmOBnABqOHxDpVxop1aG8RrJSQ0mCCrA7dpXGQ2eNuM54xmgDN/wCFj+CP+hy8P/8Ag0g/+Ko/4WP4I/6HLw//AODSD/4qtDRPEmleIlnOk3Rma2YJNG8TxPGTyNyOAwz245qS313TLvWrjSba8SW+tkEk0KZOwE45PTOe2c0AZf8AwsfwR/0OXh//AMGkH/xVH/Cx/BH/AEOXh/8A8GkH/wAVTtT8e+HdI1KawvbyYXMJAkWGynlCkgEAsiEZwRxmtjTNStdY0y31DTpDLa3KCSKQoy7lPQ4YAj8RQBi/8LH8Ef8AQ5eH/wDwaQf/ABVH/Cx/BH/Q5eH/APwaQf8AxVdJRQBzf/Cx/BH/AEOXh/8A8GkH/wAVR/wsfwR/0OXh/wD8GkH/AMVXSUUAed3nj7we3xJ0a6XxZoZt49Jv43lGpQ7FZprMqpO7AJCMQO+0+hroP+Fj+CP+hy8P/wDg0g/+Kovv+Sp6F/2BdS/9H2NdJQBzf/Cx/BH/AEOXh/8A8GkH/wAVR/wsfwR/0OXh/wD8GkH/AMVXSUUAc3/wsfwR/wBDl4f/APBpB/8AFUf8LH8Ef9Dl4f8A/BpB/wDFV0lFAHN/8LH8Ef8AQ5eH/wDwaQf/ABVH/Cx/BH/Q5eH/APwaQf8AxVdJRQBzf/Cx/BH/AEOXh/8A8GkH/wAVR/wsfwR/0OXh/wD8GkH/AMVWo+u6ZHrsWjNeJ/aMqGRLcZLbQMknHA/GoNb8VaN4dIGr3ZhJXedkLybFzjc2xTtXg8nA4PpQBS/4WP4I/wChy8P/APg0g/8AiqP+Fj+CP+hy8P8A/g0g/wDiq1rvWtOsdIXVLq7jSyZVZJgdwcNjbtxyxORgDJOaTStasNailfTpmcwv5csckbRSRNjOGRwGU4OeQKAMr/hY/gj/AKHLw/8A+DSD/wCKo/4WP4I/6HLw/wD+DSD/AOKrpKKAOb/4WP4I/wChy8P/APg0g/8AiqP+Fj+CP+hy8P8A/g0g/wDiq6SigDm/+Fj+CP8AocvD/wD4NIP/AIqj/hY/gj/ocvD/AP4NIP8A4qukooA878A+PvB9n8NvDVreeLNDguIdJtY5YpdShV42EKgqwLZBBGCDXQf8LH8Ef9Dl4f8A/BpB/wDFUfDj/klnhT/sC2f/AKISukoA5v8A4WP4I/6HLw//AODSD/4qj/hY/gj/AKHLw/8A+DSD/wCKrpKKAOb/AOFj+CP+hy8P/wDg0g/+Ko/4WP4I/wChy8P/APg0g/8Aiq6SigDm/wDhY/gj/ocvD/8A4NIP/iqP+Fj+CP8AocvD/wD4NIP/AIqukqK6uoLK0luryZIYIVLySSNhVUdSTQBgf8LH8Ef9Dl4f/wDBpB/8VR/wsfwR/wBDl4f/APBpB/8AFVf0vxNpWsXb2tjcSfaFQS+TPbyQuyHo6iRQWX/aGRVTUfHXh7StcXR72+db9mRRDHayyctjaMqpAJyOM9xQBH/wsfwR/wBDl4f/APBpB/8AFUf8LH8Ef9Dl4f8A/BpB/wDFV0lFAHN/8LH8Ef8AQ5eH/wDwaQf/ABVH/Cx/BH/Q5eH/APwaQf8AxVdJRQBzf/Cx/BH/AEOXh/8A8GkH/wAVR/wsfwR/0OXh/wD8GkH/AMVXSUUAc3/wsfwR/wBDl4f/APBpB/8AFVm23iPQ/EHxT0j+wdZ0/U/I0XUPN+xXSTeXunssbtpOM4OM+hrtq5u+/wCSp6F/2BdS/wDR9jQB0lFFFABXN+F/+Ri8Z/8AYaj/APTfZ10lc34X/wCRi8Z/9hqP/wBN9nQB0lFFFABRRRQB538U2uk1vwK1hFDLcDXh5cc0hjRj5EvBYKxH1wfpVdvDviDSdc8TePtVvtF03UpdK+yWkPnSNaW6qdwkmkKKXOQOQowMiuh8V+A4/Fmq6dfXGv6xYHTJluLWKyaBUSUZG/54mLHBxgkjHbk51fEHhyz8T+FrvQdXeaS2u4hFLIjBZDjBDAgYByAemPbHFAHG+E9d1248dXWh3Wp6hd2cujrewXOpWMUEgk8zYSioqHZ3AkQNx3Fchfal4t8R/s73PivUfFM0QuNJm82ztbSKMO3mlQTJt3AbQVIGOCOcgk+lQfD+GDVk1VfEGuPqS2DWBu5LiNmZC24MVMezcCOPlx6g0zSfhrpelfDy58Fvf6jfaTPG8Si6eMyQo/JCsqL3JIyDg+3FAGdqmo6z4bbwNZW+sT3Ueo6ittdPcww75IzE74yiKBjaBwAcdSaSHUPFHi2DXb7w1rcOnTaXqs1ha2UsKNBL5LBXM7FWf5juI2FcAr15rQv/AIcw6hHoYm8R64H0SYT28glhZpJQNod90Rz8pIwMLyeM81JP8ONKk8RXmq297qlmmoMHv7C1utlteNjBZ1xnJHB2kZ75oAxpLxLb4+Xt62JEi8GxynyzncBdSHis/QvE3jzVn8N65b6dfvp2pvC9/BdNYJaQwSgYeFlk88lSy8OCW54U8V2H/CDwf8J+/iz+2NSNy9qLNrQmH7OYASRHt8vdjcS2d2cnrjioNB+HGl+HLwNp1/qv9nxymWDSZbrdaW75zlExnAJyAWIB5xkA0AddRRRQAUUUUAc348/5F21/7DWlf+nC3rpK5vx5/wAi7a/9hrSv/Thb10lABRRRQAUUUUAFYepeMtE0nVhpt9cXCXTbcKlnNIvzdPmVCv61uUUAcV41/wCR28Ef9hCb/wBEtXRa7/asWmzTeHLWyn1IqFT7XIUXHJ6gEnk8DgcnkVR1zwimu61p+pS6vqNrJpzmS2jt/J2IxGCx3RsTkccnHpirepaFLf6nFewa3qmnskflmG1kTynGSclHRhnnqMGgDzF5o/8AhWvhLTo7OWzih8S29jqVvMwbDLKxkyRgEF8H05rrL95E+OekiDgSaNMJ8d0EgK5/4F/Ougm8K6TP4ck0SSBvskpLsQ58wyFt/mbuu/d82fWjSfDkGl382oS3d3qF/NGsLXV4ylxGpJCAKqqBkk8Dk8nNAGxRRRQAUUUUAFFFFAHN+A/+Rduv+w1qv/pwuK6Sub8B/wDIu3X/AGGtV/8AThcV0lABRRRQBh6L4x0XxDevaaVPcSTJGZGElnNCNoIHV0A6kcZzWR4b/wCSseNv+uWnf+i5K7Oue0rwimk+Jr/W11fUrm41AKLiOcw+W4QEJwsYI2gnGD9c0AVvF+k2+o+G5vDFlChm1QscEZESlw0kxz6E5HqxAqve6dqui+PI9csrJ9T06TTFsZUWaNJLYo5YP87KCpzzg54zU03gR5dRur1PFniGCS6fc4inhAA7KP3XCjsPr6mr2peFIdXt4LW+1PUpLGOFYpLQThVuMd5GC72J6EbsH060AYfwpeW60XWdR8vyrO/1m4uLNOo8skDKn0LBu3r61U8RNrVl4y1O/wDBDC7uVtIhq1k6g44bymiJ/wCWu0sdvQgDPJAPZ3+iQXulwWEE9xp8MEkbx/YZPKICEEJwPunGCPSql94ViudYm1Sx1K/0u6uI1iuWs3TE6rnbuDowyASAwwfegBPB50hvB+mXGioyWS222Jpx+8RQfmDH13A57ZFUvD2nrrnhnUb2eSe3bxDJJMZIjtkWEjZFgkHH7pVPTqxrXXw/ZxeF30G1MttaPA0G6N8yAMDuO5s/Mck5Pc1LqGkx32iNpkNzc6fGUVElspfLkiCkEbW5x0x7jigDltBt9Z8J+Lbbw/c6lPq+j3ltJJaS3ODNbNHtyjMANy4YYPrxVXV9J1fwVf8A9v6NrF5f2NxeodQ028KuCJZApaIgDaQWHHf9K7HTtGSxmNxPd3N/dmPyvtN0V3hOu0BFVRkgE4AzgZzgVT0/wqll5S3eranqkUEnmwx38yyBGzkHIUM2O28tg4PUA0AbtFFFABXN+KP+Ri8Gf9hqT/033ldJXN+KP+Ri8Gf9hqT/ANN95QB0lFFFABWTrnifSvDnkf2vNNF9o3eX5VrLNnbjOditj7w64rWooA4b4pXUV98G9Wu7Ys0M9tFJGWQqSrOhGQQCOD0IzXZz28ErwzXCqTbMZI2Y8IdpUt+RI/GsvxV4Zh8W6K+lXl9eWtrKR5y2hjBlAIIBLI2BkA8YpureGW1nQodMuNb1ONUIMk8LRLJPjs/7vaR7ADPegDCPhp9f/wCEq1O0cWf9u2S2dq4GN6qjATN3+Ytx32getYGr3OrTL4H0C70ZrDVrfUrdw6zRyKY4VxI6BGJ2beobb1xzXdaZ4Ym0xrhz4k1u8eWFoka7mjcQk/xqvlhdwwMbgR7cmpdH8L2WkXs1+Zbm+1GdQkl7eSb5So6KMABVzzhQBmgCt470S98QeDruw0t0W7LRyxrIcJIUdX2N7HbiuYutQvdb+K/haF9Jk065sra5mvo5JY5SsTptAJQkbS4GMnPfArs/7CZF1P7PrGpQyahKJPMEqObbAA2xB1ZVBA7g9TjHGF0Tw7YaCs7WglluLp99xdXEhkmnbtuY+g4AGAOwoAoeI40vdS0Xw/GoEU0/2qdFHAggwwGB2MhiH0zXI+PfFekXtn4gsNQluUNlZ3EFrb/YpmWWcxMvmM4TbgZwuTgHcx/hI9GTS4U1ubVS0jXEluluAxG1EVmb5RjqS3PXoPSl1XTotY0a90y5Z1hvLeS3kaMgMFdSpIyCM4PpQBy8Gm2njnwHpH2PVdRsFt0jaOa1zC4lRdvIdckA59M+tW/Bd7rDf2ppHiKVbq70q4WEXqIFFxGyB1YgdGweRV+78O+fDpqWmr6np/8AZ6bENrKgEq4AxIrKyt09OOcYzV/T9Og023aKDcxkcySySNueVz1Zj3PAHsAAMAAUAWqKKKACub8B/wDIu3X/AGGtV/8AThcV0lc34D/5F26/7DWq/wDpwuKAOkooooAKKKKAOH8cvIfGngi3fm1fUZHcHoZFiOz8eTijTmkX45azHFxC+jwPMB0LhyFz77Sa6fW9EtdesUtrwyRmKVZ4JoW2yQyKfldTzyPcEckGqtp4XtrS01NBeXst3qilbnUHkAnb5SqlSoCrtB+UKoA9KAMLUnkk+OGiRTcwRaRcSQg9BIXAYj32gfhUfg0O3jLxxGkaSRR6jFJArnCiUxfMc4OD0ycV0N54Wtry00xDeXsV3pagWuoJIpnHy7WLFlKtuA+bKkHrUa+ELWHQ206x1DUrJ5Lg3Ut7b3GJ5ZSclmYgg57jGMADHFAGF4Smv4/iJr0PiPTYrXVru3injmtZjJBJboSihcgHIYnOeTnoABU9h/yW7V/+wNb/APoxq6PTdEh0+6ku5bie+vpUWN7u5K7ygJIUBVVVGSTgAZJ5qja+EUtfGM/iMavqMtzcR+VJBJ5PlGPJKpgRhgFJyDuzxyTzkAXxbM1n4amtbACK61KQWcBRekkzbS/1ALOf901s2drDYWMFpapsgt41ijX+6qjAH5CobvS4L3UbG8nZy9i7vEgI27mUpuIx1ClgP941coAKKKKACiiigDm77/kqehf9gXUv/R9jXSVzd9/yVPQv+wLqX/o+xrpKACiiigAooooAKw/+Ey0T+3v7G+0XH27zPK2fY5tu7037Nv45xW5RQBxWs/8AJZvDX/YPvP8A2StTxlBrUnh28i8MWNlcXVzG0cv2iUoSpXHy/KQzYPG4gD36Ut54RS98X2viJ9X1GO4tFKQ26eT5Kocb0wYyxDY5O7PPBHGJ7zw9JdatJfRa7q1qsqBHtYZk8kgdwGQlT7qQaAOC+2297D8MUsLaS20w3LD7PM2SkkUZVAx7kENz3re05pF+OWsxxcQvo8DzAdC4chc++0mt+98LaXd6FbaSkTWsFm6SWrW7bXt3T7rqTnnryc5yc5yal0bQLfRpLudZ7i7vL11e5u7lgZJdowo+UBQAOgAA60AalFFFABRRRQAUUUUAc38OP+SWeFP+wLZ/+iErpK5v4cf8ks8Kf9gWz/8ARCV0lABRRRQAUUUUAFc7470S98QeDruw0t0W7LRyxrIcJIUdX2N7Hbiuiqvf20l5YyW8N5PZO4AFxbhN6c9t6svPTkHrxg80Aef3Oo32s/FjwtE2lS6bd2Nvcz3qPLHIUidNoBMbEbS4GMnPfAqbV9J1fwVf/wBv6NrF5f2NxeodQ028KuCJZApaIgDaQWHHf9K63RPDthoKztaCWW4un33F1cSGSadu25j6DgAYA7Cq+n+FUsvKW71bU9Uigk82GO/mWQI2cg5Chmx23lsHB6gGgDdooooAKKKKACiiigArm77/AJKnoX/YF1L/ANH2NdJXN33/ACVPQv8AsC6l/wCj7GgDpKKKKACub8L/APIxeM/+w1H/AOm+zrpK5vwv/wAjF4z/AOw1H/6b7OgDpKKKKACiiigCjrWs2Xh/RrjVNVl8q1t1DOwUsTkgBQBySSQAB1JArLtfF6SalYWOo6Jq2lT6jI0dr9rijKyFY3kOWjdwnyoflYhvbrix4v07SNY8L3Wm+I3MdheNHAzhtrK7SKsZU9m8wpg+uK45L/xL4I8QaLpHim6h8RaLqV2LKx1Mr5V7bTMjbRIBw+VDDeuD1J9wD0uivEb/AErUreTxV4Kg1/Xhrks8V74fum1m4DvC6n5Ml+VjKShs9RtPXBHReHtXsvEWmQeKLTVdQ06w0bR2SczXs0scdwUJk85GY+Y0IB5bJJfk5UYAPTKK8i8Lz6tbeOPC8RvdXex1nSbl5ZdQv2ka8dBEROICzLb58zIVW6NgquOV8G2mo6v8Pr3Xb3xLrhu7VtShjC3p2bVkcKSpByV2jBPI6dKAPXKK8ZifVoNL+GGqJ4j1g3WuR29re77ovHIkloXLeWwK7wRkORuz1JrqfA81zZ/EDxl4ee/vr2y082U9sb65ad4/OjcuodstjKZAJOM8UAd7RRRQAUUUUAc348/5F21/7DWlf+nC3rpK5vx5/wAi7a/9hrSv/Thb10lABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAc34D/AORduv8AsNar/wCnC4rpK5vwH/yLt1/2GtV/9OFxXSUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXN+KP+Ri8Gf9hqT/033ldJXN+KP+Ri8Gf9hqT/ANN95QB0lFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVzfgP/kXbr/sNar/6cLiukrm/Af8AyLt1/wBhrVf/AE4XFAHSUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHN33/JU9C/7Aupf+j7Gukrm77/AJKnoX/YF1L/ANH2NdJQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHN/Dj/klnhT/sC2f/AKISukrm/hx/ySzwp/2BbP8A9EJXSUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXN33/JU9C/7Aupf+j7Gukrm77/kqehf9gXUv/R9jQB0lFFFABXN+F/+Ri8Z/wDYaj/9N9nXSVzfhf8A5GLxn/2Go/8A032dAHSUUVl+JPEWneFNBuNX1iRo7aADIRdzuxOFRV7sSQAKANSiuOvvF3iDSNKk1nVvCgi0qGPzZxBqAlu4IxyWaHYE+UckLIxwDjNdTp9/a6rptvf6dOlxa3MaywyoeHVhkEfhQAzVNKsNb057DV7SK8tJGVnhmXcrFWDLkd8MoP4Vm2fgzQ7LVItRjtp5rqDPkNdXk1wLfIwfLWR2WPjj5QOOKv63rNl4e0K81fVJfKtLOFpZW74A6D1J6AdyQKLz+1v7T0/+z/sf2He/2/z9/m7dp2eVjjO7Gd3bOOaAHvpdjJrEOqyWyNfQQvBHOR8yxuVLL+JRf8k1DDoGlW+k3WmQ2MS2V40z3EGMrIZSWkz/ALxY8e+OlaNFAHK2vw08KWX2E2umyI+nq6Wkv2ycyQq4AIDl92AAMDPy4yuDT7D4d+G9L8PX2h2FteQ6dqDbriEalcncScthjJuXd/FtI3Dg5FbOm/2t5t9/a/2Py/tLfYvsu/PkYGPM3fx53ZxxjFXqAORk+F/hWWx0yza1v/I0lt1iq6vdr9nPYqRLkEDgeg4GBWhpfgvRNG8RXuu6fDdJqOoDF1NJfzyiXHTKO5XjoOPlHAwK3qw/7ZuNf8K3F/4Lls5rlnlitZL3cYGeOVo2J2clco2COvBoA3KKQZ2jdjOOcUtABRRRQBzfjz/kXbX/ALDWlf8Apwt66Sub8ef8i7a/9hrSv/Thb10lABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAc34D/wCRduv+w1qv/pwuK6Sub8B/8i7df9hrVf8A04XFdJQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFc34o/5GLwZ/wBhqT/033ldJXN+KP8AkYvBn/Yak/8ATfeUAdJRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFc34D/5F26/7DWq/wDpwuK6Sub8B/8AIu3X/Ya1X/04XFAHSUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHN33/ACVPQv8AsC6l/wCj7Gukrm77/kqehf8AYF1L/wBH2NdJQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHN/Dj/klnhT/ALAtn/6ISukrm/hx/wAks8Kf9gWz/wDRCV0lABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVzd9/yVPQv+wLqX/o+xrpK5u+/wCSp6F/2BdS/wDR9jQB0lFFFABXN+F/+Ri8Z/8AYaj/APTfZ10lcbbXOsaD4k8SMvhXVNSt9Q1CO6guLOa0CMotLeIgiSdGBDRN29KAOyrzj43add3Xg7TdQtIZJ49F1m21K6iiXczwxlg+B3xu3fQGuj/4SjV/+hE8Qf8Af/T/AP5Ko/4SjV/+hE8Qf9/9P/8AkqgA8ReKdFt/Ad3rJvYLmxntW8honDfaSy4VEx95mJAAHOTXl2h+Fv7GtfhXoXidpoZ5oL6K4iMzITuQyLCSD23bcd+R357q2S0s9UOpWnwmvIL8nJuootLWUn13i5z+tc54zHjDxD4y0G7i+GUl9o+nCYXNvqN9ZbpxKmwjZ5rL8uARknPTjrQByfirQ7XT/A3xT0nS4RN4f02Wzl02Nv3qWlwQDOsZOduNy8DpuI9a7rWrfRrD4n/DWHw/HZ21kJ9RRIrLakI/0ZzgKvyj5mb8Sa34r97fSTpUHwy1WLTihjNmn9miEqeq7Bc4wfTFU5LawlntJ5fhFdPLZIqWsjQaWWt1UllCH7R8oBJIAxgmgDhdV0PSLnwD8UrmWMSzabrF1NaO0zE20q28JDpz8rbsjPXjHTit37NZ6X8SfhzqFjhbzXLa6W/uDKzPdqLUSKXJPzYYDGemcDtWtHpWjRW8sEXwZkSGbHmxra6SFkwcjcPtGDg9M05NO0mOW2kj+DkyvaY+zsttpQMOGLDYftHy/MS3Hck0AY/hIeH18OfEQeKFgn0a18UXEs0Vx+8QrGsDICpzu+ZRheckYwelVoNA0Lwx4d17xlrelp4eudSsJUtrLSLdIJ7G1Ck4XaMCY5DM54UlV6AZ6CPTNIhtZ7WH4Nyx29wVM0K2ulBJdpyu4faMHBJxnpT7Ky0zTZJX074PXFo80TQyNBb6UhdG6ocXHKnuOlAHNeD7DTrH4qQWSQ6NbWOpeGZPOsLJxIkx86EKZjwssjK7ZOwZBP3hXLRWOj2n7J2sSWdvZ2+pky/amhVUmbbfSIgkxhjhSQA3QdK9YspY9Na2bT/hZqFo1qrJbmBNMQwq3LBcXPyg9wOtQXEFjd28tvdfCO7nhmn+0yxyQ6WyvNgjzCDcYLYJG488mgCnfrp+v/Ga60PxbDDd6f8A2PFPpVrdKGglYuwmkAPys4+QZ6gcjGSTxU8c48I6Rb3N3PNp9r8QYrPS7pp2LNZCYYxJnLAMHAb0QYr0a6Nvfabb6fe/Ci+ubK1AFvbTR6W8cIAwNqm5wv4U3URbaxDbQ6v8J72/itFK26XUWlyrCDjIQNcnaPlHT0HpQBX8KWFjofxg8T6ZpCLbWsmnWd21sjnb5paVWfb2JAXJ78Zr0KuEtEtLDVP7TsfhLeW1/wA/6XDFpaS8jB+cXOeRx1rX/wCEo1f/AKETxB/3/wBP/wDkqgA8ef8AIu2v/Ya0r/04W9dJXCeJdT17WdJhtbXwPriPHqFldEyXFgBthuopmHFyeSsZA98dOta//CUav/0IniD/AL/6f/8AJVAHSUVzf/CUav8A9CJ4g/7/AOn/APyVR/wlGr/9CJ4g/wC/+n//ACVQB0lFc3/wlGr/APQieIP+/wDp/wD8lUf8JRq//QieIP8Av/p//wAlUAdJRXN/8JRq/wD0IniD/v8A6f8A/JVH/CUav/0IniD/AL/6f/8AJVAHSUVzf/CUav8A9CJ4g/7/AOn/APyVR/wlGr/9CJ4g/wC/+n//ACVQB0lFc3/wlGr/APQieIP+/wDp/wD8lUf8JRq//QieIP8Av/p//wAlUAdJRXN/8JRq/wD0IniD/v8A6f8A/JVH/CUav/0IniD/AL/6f/8AJVAHSUVzf/CUav8A9CJ4g/7/AOn/APyVR/wlGr/9CJ4g/wC/+n//ACVQB0lFc3/wlGr/APQieIP+/wDp/wD8lUf8JRq//QieIP8Av/p//wAlUAHgP/kXbr/sNar/AOnC4rpK4Tw1qevaNpM1rdeB9cd5NQvboGO4sCNs11LMo5uRyFkAPvnr1rX/AOEo1f8A6ETxB/3/ANP/APkqgDpKK5v/AISjV/8AoRPEH/f/AE//AOSqP+Eo1f8A6ETxB/3/ANP/APkqgDpKK5v/AISjV/8AoRPEH/f/AE//AOSqP+Eo1f8A6ETxB/3/ANP/APkqgDpKK5v/AISjV/8AoRPEH/f/AE//AOSqP+Eo1f8A6ETxB/3/ANP/APkqgDpKK5v/AISjV/8AoRPEH/f/AE//AOSqP+Eo1f8A6ETxB/3/ANP/APkqgDpKK5v/AISjV/8AoRPEH/f/AE//AOSqP+Eo1f8A6ETxB/3/ANP/APkqgDpKK5v/AISjV/8AoRPEH/f/AE//AOSqP+Eo1f8A6ETxB/3/ANP/APkqgDpKK5v/AISjV/8AoRPEH/f/AE//AOSqP+Eo1f8A6ETxB/3/ANP/APkqgDpK5vxR/wAjF4M/7DUn/pvvKP8AhKNX/wChE8Qf9/8AT/8A5KrI1nU9e1HVvD91B4H1xU03UHupg9xYAsptZ4cLi55O6VTzjgH6EA7uiub/AOEo1f8A6ETxB/3/ANP/APkqj/hKNX/6ETxB/wB/9P8A/kqgDpKK5v8A4SjV/wDoRPEH/f8A0/8A+SqP+Eo1f/oRPEH/AH/0/wD+SqAOkorm/wDhKNX/AOhE8Qf9/wDT/wD5Ko/4SjV/+hE8Qf8Af/T/AP5KoA6Siub/AOEo1f8A6ETxB/3/ANP/APkqj/hKNX/6ETxB/wB/9P8A/kqgDpKK5v8A4SjV/wDoRPEH/f8A0/8A+SqP+Eo1f/oRPEH/AH/0/wD+SqAOkorm/wDhKNX/AOhE8Qf9/wDT/wD5Ko/4SjV/+hE8Qf8Af/T/AP5KoA6Siub/AOEo1f8A6ETxB/3/ANP/APkqj/hKNX/6ETxB/wB/9P8A/kqgDpKK5v8A4SjV/wDoRPEH/f8A0/8A+SqP+Eo1f/oRPEH/AH/0/wD+SqAOkrm/Af8AyLt1/wBhrVf/AE4XFH/CUav/ANCJ4g/7/wCn/wDyVWR4a1PXtG0ma1uvA+uO8moXt0DHcWBG2a6lmUc3I5CyAH3z160Ad3RXN/8ACUav/wBCJ4g/7/6f/wDJVH/CUav/ANCJ4g/7/wCn/wDyVQB0lFc3/wAJRq//AEIniD/v/p//AMlUf8JRq/8A0IniD/v/AKf/APJVAHSUVzf/AAlGr/8AQieIP+/+n/8AyVR/wlGr/wDQieIP+/8Ap/8A8lUAdJRXN/8ACUav/wBCJ4g/7/6f/wDJVH/CUav/ANCJ4g/7/wCn/wDyVQB0lFc3/wAJRq//AEIniD/v/p//AMlUf8JRq/8A0IniD/v/AKf/APJVAHSUVzf/AAlGr/8AQieIP+/+n/8AyVR/wlGr/wDQieIP+/8Ap/8A8lUAdJRXN/8ACUav/wBCJ4g/7/6f/wDJVH/CUav/ANCJ4g/7/wCn/wDyVQB0lFc3/wAJRq//AEIniD/v/p//AMlUf8JRq/8A0IniD/v/AKf/APJVABff8lT0L/sC6l/6Psa6SuEudT16bxppurr4H1wW9rp93aupuLDeWlkt2UgfacYxC2ee46841/8AhKNX/wChE8Qf9/8AT/8A5KoA6Siub/4SjV/+hE8Qf9/9P/8Akqj/AISjV/8AoRPEH/f/AE//AOSqAOkorm/+Eo1f/oRPEH/f/T//AJKo/wCEo1f/AKETxB/3/wBP/wDkqgDpKK5v/hKNX/6ETxB/3/0//wCSqP8AhKNX/wChE8Qf9/8AT/8A5KoA6Siub/4SjV/+hE8Qf9/9P/8Akqj/AISjV/8AoRPEH/f/AE//AOSqAOkorm/+Eo1f/oRPEH/f/T//AJKo/wCEo1f/AKETxB/3/wBP/wDkqgDpKK5v/hKNX/6ETxB/3/0//wCSqP8AhKNX/wChE8Qf9/8AT/8A5KoA6Siub/4SjV/+hE8Qf9/9P/8Akqj/AISjV/8AoRPEH/f/AE//AOSqAOkorm/+Eo1f/oRPEH/f/T//AJKo/wCEo1f/AKETxB/3/wBP/wDkqgA+HH/JLPCn/YFs/wD0QldJXCeE9T17QfBeiaReeB9ce40/T4LWVoriwKMyRqpKk3IOMjjIFa//AAlGr/8AQieIP+/+n/8AyVQB0lFc3/wlGr/9CJ4g/wC/+n//ACVR/wAJRq//AEIniD/v/p//AMlUAdJRXN/8JRq//QieIP8Av/p//wAlUf8ACUav/wBCJ4g/7/6f/wDJVAHSUVzf/CUav/0IniD/AL/6f/8AJVH/AAlGr/8AQieIP+/+n/8AyVQB0lFc3/wlGr/9CJ4g/wC/+n//ACVR/wAJRq//AEIniD/v/p//AMlUAdJRXN/8JRq//QieIP8Av/p//wAlUf8ACUav/wBCJ4g/7/6f/wDJVAHSUVzf/CUav/0IniD/AL/6f/8AJVH/AAlGr/8AQieIP+/+n/8AyVQB0lFc3/wlGr/9CJ4g/wC/+n//ACVR/wAJRq//AEIniD/v/p//AMlUAdJXN33/ACVPQv8AsC6l/wCj7Gj/AISjV/8AoRPEH/f/AE//AOSqrWUmq6v4+0/Urnw7qGk2lnpl5A0l7LbNveWW2ZQoimc9IXySAOnrQB1tFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAH//Z)

Chart, scatter chart

Description automatically generated Graphical user interface, chart

Description automatically generated

Genetic Algorithm Particle Swarm Algorithm

* *Ten Dimension*

Tab 11 Shifted Expanded Griewank’s plus Rosenbrock’s Function 10D Result

![Table

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAkACQAAD/4RDsRXhpZgAATU0AKgAAAAgABAE7AAIAAAALAAAISodpAAQAAAABAAAIVpydAAEAAAAWAAAQzuocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEdlbyBUaG9tYXMAAAAFkAMAAgAAABQAABCkkAQAAgAAABQAABC4kpEAAgAAAAM4NAAAkpIAAgAAAAM4NAAA6hwABwAACAwAAAiYAAAAABzqAAAACAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMjAyMTowNTowNyAxMzozMTowMAAyMDIxOjA1OjA3IDEzOjMxOjAwAAAARwBlAG8AIABUAGgAbwBtAGEAcwAAAP/hCx1odHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLjAvADw/eHBhY2tldCBiZWdpbj0n77u/JyBpZD0nVzVNME1wQ2VoaUh6cmVTek5UY3prYzlkJz8+DQo8eDp4bXBtZXRhIHhtbG5zOng9ImFkb2JlOm5zOm1ldGEvIj48cmRmOlJERiB4bWxuczpyZGY9Imh0dHA6Ly93d3cudzMub3JnLzE5OTkvMDIvMjItcmRmLXN5bnRheC1ucyMiPjxyZGY6RGVzY3JpcHRpb24gcmRmOmFib3V0PSJ1dWlkOmZhZjViZGQ1LWJhM2QtMTFkYS1hZDMxLWQzM2Q3NTE4MmYxYiIgeG1sbnM6ZGM9Imh0dHA6Ly9wdXJsLm9yZy9kYy9lbGVtZW50cy8xLjEvIi8+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczp4bXA9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8iPjx4bXA6Q3JlYXRlRGF0ZT4yMDIxLTA1LTA3VDEzOjMxOjAwLjgzNjwveG1wOkNyZWF0ZURhdGU+PC9yZGY6RGVzY3JpcHRpb24+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iPjxkYzpjcmVhdG9yPjxyZGY6U2VxIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpsaT5HZW8gVGhvbWFzPC9yZGY6bGk+PC9yZGY6U2VxPg0KCQkJPC9kYzpjcmVhdG9yPjwvcmRmOkRlc2NyaXB0aW9uPjwvcmRmOlJERj48L3g6eG1wbWV0YT4NCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgPD94cGFja2V0IGVuZD0ndyc/Pv/bAEMABwUFBgUEBwYFBggHBwgKEQsKCQkKFQ8QDBEYFRoZGBUYFxseJyEbHSUdFxgiLiIlKCkrLCsaIC8zLyoyJyorKv/bAEMBBwgICgkKFAsLFCocGBwqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKv/AABEIANQD8QMBIgACEQEDEQH/xAAfAAABBQEBAQEBAQAAAAAAAAAAAQIDBAUGBwgJCgv/xAC1EAACAQMDAgQDBQUEBAAAAX0BAgMABBEFEiExQQYTUWEHInEUMoGRoQgjQrHBFVLR8CQzYnKCCQoWFxgZGiUmJygpKjQ1Njc4OTpDREVGR0hJSlNUVVZXWFlaY2RlZmdoaWpzdHV2d3h5eoOEhYaHiImKkpOUlZaXmJmaoqOkpaanqKmqsrO0tba3uLm6wsPExcbHyMnK0tPU1dbX2Nna4eLj5OXm5+jp6vHy8/T19vf4+fr/xAAfAQADAQEBAQEBAQEBAAAAAAAAAQIDBAUGBwgJCgv/xAC1EQACAQIEBAMEBwUEBAABAncAAQIDEQQFITEGEkFRB2FxEyIygQgUQpGhscEJIzNS8BVictEKFiQ04SXxFxgZGiYnKCkqNTY3ODk6Q0RFRkdISUpTVFVWV1hZWmNkZWZnaGlqc3R1dnd4eXqCg4SFhoeIiYqSk5SVlpeYmZqio6Slpqeoqaqys7S1tre4ubrCw8TFxsfIycrS09TV1tfY2dri4+Tl5ufo6ery8/T19vf4+fr/2gAMAwEAAhEDEQA/APpGiiuJsdCg8QeKPFUmpXusf6LqccEEdtrN3bRxp9itnwEikVfvOxzjOTQB21Fc3/wgekf8/niD/wAKPUP/AI/R/wAIHpH/AD+eIP8Awo9Q/wDj9AHSUVzf/CB6R/z+eIP/AAo9Q/8Aj9H/AAgekf8AP54g/wDCj1D/AOP0AdJRXN/8IHpH/P54g/8ACj1D/wCP1BB4Q8PXUs0drqutTSQMFlSPxPfsYz6MBPwfrQB1dFc3/wAIHpH/AD+eIP8Awo9Q/wDj9H/CB6R/z+eIP/Cj1D/4/QB0lFc3/wAIHpH/AD+eIP8Awo9Q/wDj9QxeD/D81zPbQ6prck9vt86JPE9+Wi3DK7h5+RkcjPWgDqqK5Sbwh4et7iGC41XWoppztijfxPfq0h64UGfJ/Cp/+ED0j/n88Qf+FHqH/wAfoA6Siub/AOED0j/n88Qf+FHqH/x+j/hA9I/5/PEH/hR6h/8AH6AOkorm/wDhA9I/5/PEH/hR6h/8fo/4QPSP+fzxB/4Ueof/AB+gDpKK5v8A4QPSP+fzxB/4Ueof/H6w7TwnZS+PtV019Q8QG0t9Msp4o/8AhIr/AOV5JbpXOfOyciJOCcDbx1OQD0Ciub/4QPSP+fzxB/4Ueof/AB+j/hA9I/5/PEH/AIUeof8Ax+gDpKK5v/hA9I/5/PEH/hR6h/8AH6P+ED0j/n88Qf8AhR6h/wDH6AOkorm/+ED0j/n88Qf+FHqH/wAfo/4QPSP+fzxB/wCFHqH/AMfoA6Siub/4QPSP+fzxB/4Ueof/AB+j/hA9I/5/PEH/AIUeof8Ax+gDpKK5v/hA9I/5/PEH/hR6h/8AH6P+ED0j/n88Qf8AhR6h/wDH6AOkorm/+ED0j/n88Qf+FHqH/wAfo/4QPSP+fzxB/wCFHqH/AMfoA6Siub/4QPSP+fzxB/4Ueof/AB+j/hA9I/5/PEH/AIUeof8Ax+gDpKK5v/hA9I/5/PEH/hR6h/8AH6P+ED0j/n88Qf8AhR6h/wDH6AOkorm/+ED0j/n88Qf+FHqH/wAfrDu/CdlF4+0rTU1DxALS40y9nlj/AOEiv/meOW1VDnzsjAlfgHB3c9BgA9Aorm/+ED0j/n88Qf8AhR6h/wDH6P8AhA9I/wCfzxB/4Ueof/H6AOkorm/+ED0j/n88Qf8AhR6h/wDH6P8AhA9I/wCfzxB/4Ueof/H6AOkorm/+ED0j/n88Qf8AhR6h/wDH6P8AhA9I/wCfzxB/4Ueof/H6AOkorm/+ED0j/n88Qf8AhR6h/wDH6P8AhA9I/wCfzxB/4Ueof/H6AOkorm/+ED0j/n88Qf8AhR6h/wDH6P8AhA9I/wCfzxB/4Ueof/H6AOkorm/+ED0j/n88Qf8AhR6h/wDH6P8AhA9I/wCfzxB/4Ueof/H6AOkorm/+ED0j/n88Qf8AhR6h/wDH6P8AhA9I/wCfzxB/4Ueof/H6AOkorm/+ED0j/n88Qf8AhR6h/wDH6P8AhA9I/wCfzxB/4Ueof/H6AOkorm/+ED0j/n88Qf8AhR6h/wDH6w7vwnZRePtK01NQ8QC0uNMvZ5Y/+Eiv/meOW1VDnzsjAlfgHB3c9BgA9Aorm/8AhA9I/wCfzxB/4Ueof/H6P+ED0j/n88Qf+FHqH/x+gDpKK5v/AIQPSP8An88Qf+FHqH/x+j/hA9I/5/PEH/hR6h/8foA6Siub/wCED0j/AJ/PEH/hR6h/8fo/4QPSP+fzxB/4Ueof/H6AOkorm/8AhA9I/wCfzxB/4Ueof/H6P+ED0j/n88Qf+FHqH/x+gDpKK5Wfwd4ftniS51TW4WmfZEsnie/UyN6Lmfk+woi8H+H5rme2h1TW5J7fb50SeJ78tFuGV3Dz8jI5GetAHVUVzf8Awgekf8/niD/wo9Q/+P0f8IHpH/P54g/8KPUP/j9AHSUVzf8Awgekf8/niD/wo9Q/+P0f8IHpH/P54g/8KPUP/j9AHSUVzf8Awgekf8/niD/wo9Q/+P0f8IHpH/P54g/8KPUP/j9AHSUV5/4t8J2WmaLbz2OoeIIpX1PT4Gb/AISK/bKS3kMbjmbujsM9RnIwa3P+ED0j/n88Qf8AhR6h/wDH6AOkorm/+ED0j/n88Qf+FHqH/wAfo/4QPSP+fzxB/wCFHqH/AMfoA6Siub/4QPSP+fzxB/4Ueof/AB+j/hA9I/5/PEH/AIUeof8Ax+gDpKK5v/hA9I/5/PEH/hR6h/8AH6P+ED0j/n88Qf8AhR6h/wDH6AOkorm/+ED0j/n88Qf+FHqH/wAfo/4QPSP+fzxB/wCFHqH/AMfoA6SiuVj8HeH5rmW2i1TW3ngCmWJfE9+WjDZ27h5+RnBxnrg1N/wgekf8/niD/wAKPUP/AI/QB0lFc3/wgekf8/niD/wo9Q/+P1C/g7w/Hdx2smqa2txKC0cLeJ78O4HUgefk4oA6qiub/wCED0j/AJ/PEH/hR6h/8fo/4QPSP+fzxB/4Ueof/H6AOkorm/8AhA9I/wCfzxB/4Ueof/H6P+ED0j/n88Qf+FHqH/x+gDpKK8/8FeE7LV/APh/UtQ1DxBNd3mmW088n/CRX673eJWY4EwAySeAMVuf8IHpH/P54g/8ACj1D/wCP0AdJRXN/8IHpH/P54g/8KPUP/j9H/CB6R/z+eIP/AAo9Q/8Aj9AHSUVzf/CB6R/z+eIP/Cj1D/4/R/wgekf8/niD/wAKPUP/AI/QB0lFc3/wgekf8/niD/wo9Q/+P0f8IHpH/P54g/8ACj1D/wCP0AdJRXN/8IHpH/P54g/8KPUP/j9H/CB6R/z+eIP/AAo9Q/8Aj9AHSUVyl34Q8PafbNcX+q61awJ96WbxPfoq/UmfFT/8IHpH/P54g/8ACj1D/wCP0AdJRXK3Hg/w/atEt1qmtQtM4jiEnie/Uux6KMz8n2FTf8IHpH/P54g/8KPUP/j9AHSUVzR8CaOqkte6+ABkk+JNQ4/8j1Da+D/D99D51lqmtXMW4rvh8T37rkHBGRP1BoA6uivP/FvhOy0zRbeex1DxBFK+p6fAzf8ACRX7ZSW8hjcczd0dhnqM5GDW5/wgekf8/niD/wAKPUP/AI/QB0lFc3/wgekf8/niD/wo9Q/+P0f8IHpH/P54g/8ACj1D/wCP0AdJRXN/8IHpH/P54g/8KPUP/j9H/CB6R/z+eIP/AAo9Q/8Aj9AHSUVzf/CB6R/z+eIP/Cj1D/4/R/wgekf8/niD/wAKPUP/AI/QB0lFc3/wgekf8/niD/wo9Q/+P0f8IHpH/P54g/8ACj1D/wCP0AdJRXN/8IHpH/P54g/8KPUP/j9H/CB6R/z+eIP/AAo9Q/8Aj9AHSUVzf/CB6R/z+eIP/Cj1D/4/R/wgekf8/niD/wAKPUP/AI/QB0lFc3/wgekf8/niD/wo9Q/+P1Rbw74UXVBpra9qgv2GRanxXe+af+AfaM/pQB2VFc3/AMIHpH/P54g/8KPUP/j9H/CB6R/z+eIP/Cj1D/4/QB0lFcTfaFB4f8UeFZNNvdY/0rU5IJ47nWbu5jkT7FcvgpLIy/eRTnGciu2oAKKKKACub8L/APIxeM/+w1H/AOm+zrpK5vwv/wAjF4z/AOw1H/6b7OgDpKKKKACsXxPeTQ6bHY2LlL7U5RaQMvWPcCXk/wCAIGb6gDvW1XJ3fhu71vxm114j03Sb7RoYDFZwyu0rRsTlpDG0e0s2FHX5QOM5NAFb4Z6jcDSbvw3qkhfUfD8/2R2brJF1if6FePwrO0TVbXw5q3xD1O4jP2ezuo5WSJeTiEHAHqTVj/hDNU0X4iR614QsNFsdMa2Ftd2olaHzxnO4IkRVWB6HJzjtmqd7Y6v4bsfGmqaxJpdtbawMwSJM0pjkKiJFdHjVSDkEnOB3BHIANi38Ya2/ibStJu/D9pAmpwNcRzjUy+2NcFhgQ/fAYHGcH+9TLj4gyxaI/iKHRjP4dSUq12lz++KB9hlEO3lMg/xA45xWN4btNT8OazYtNa6BdRzMtnG1nqdzPPHEf+eazbgFGNxCkDA9qu23gjXbTwpc+Do7mxfQ5WdIrtnf7RDA7Fmj8vbtZuSA28fTtQBpXXjW/bxFdaPomg/2lNDaR3cb/bViWWN2xnJHHTI9faqt/wCKZbZfG0mlaPa2+paLAkks8kgH2keSXVm2rklUHAJ9sjrVjTfDmsaf8Rp9WSLT10mSxjsUUXMhmRY8lW2mPBJJwRu4HOT0NaPwlrdzqfjRr/8As+G18R23kwtDcO7xFYfKXcDGBgg7jg8EY560AYl9dajNJ8Ob7ULSOW+aQlfJuPMaYG2yCzMq4JJJI5A9TXRSePbq20PxBdXmhmO90FwLi1S6DKylA6ssm0dVPTb+dZ7+FvFrf8ImXTRXOgtlwLqVPMHl+Xgfuz2y2eOuMcZLNT8KeLL5PF0aQaKqeIQixsb6XMAWMR8jyfmyoz2wfWgDWk8aajDr1jps3h1gdTt5JbBlvEJkZApZXGMIAGznJ47Z4rU8LeI38Q298LqyFheafePaXEAmEoDKAdwbAyCGHYd6xLjQfE9x4m8L6obfSVTR4JYp0F7KS5kVUYr+57BQRnqSRx1q34O0PW9I1bXbnWY7BY9Uu/taC0uXkMZwF2ndGueB1/SgDrKKKKACubsf+Sp67/2BdN/9H31dJXN2P/JU9d/7Aum/+j76gDpKKKKACiiigAooooA81+L+naWz+FtRvdPinl/t61t5X+z+a8kB3s0e0Alwcfdwck8DmqcE2kx/FrRLfwfbSaIvlytqMMtu1jHcptGxVhcKXYHnIX3zXS+OtB17xBd6INIi077Ppmowai7XV1JG8jxlv3YCxsACD97J+nHMWp+Gde8T+ItEvNbGm6dZ6RdC7SOzneeWVxjALsiBV45GDmgCrrHxZ03Sprp0+wz2tnc/Zp1/tFFuiQ21mSDBLKD/ALQJwSBjmtW78YXh1i+stH0mO/FgImlBu/LmkWRQwaOPYdygHk5HIIAOKraf4c8TaJqF9Z6Rfaf/AGLe3MlwrTK/2i0Mh3OEAG1uSSCx4756UzxP4W1vXrqeKOPS1iV0On6m00i3liAq7sYT5zuDHlxnPOelAE2ja3rd78TvEGmzwWv9n2MdsoxctujDLKwcLswzNwGGV2hRgtXY1zNnoOqWHxC1TWIJbRtO1SKATK+7zkaJWUBQBjB3ZyT26V01ABRRRQAUUUUAFc3ff8lT0L/sC6l/6Psa6Subvv8Akqehf9gXUv8A0fY0AdJRRRQAUUUUAFcn8SfCUPi7wVe2ot0kvoY2ls325ZZBztB/2sbT9fausooA8S8RPoGo6B4R8WWOh2bm0VLi+hjiXalsjLHIhXGDtdhtz2VvQ16C2l6Rrnj4avJZ2sp0i1ULdFASZZMOOf8AYQAjPTzc0zRfAFppkfiO3ncTWmsSuEi7QwuCSgHb53c8e1X/AAf4Z/4Rzwfb6PdzfapQhFxNk/vCeOp5wFAUewFAGTN8Q5YdETxEdGZvDjy7fti3GZlTfsEph2/cz/tbsdqszeMtQk8TX+i6ToH26Wzjhm8z7asavHIT83I7AZA7+1Zdv4I12Pwi/g2a5sZdFL7Evd7i4Fvv3eX5e3bu7bt3TtWnpPh/WbD4i6lq8kWnrpd5bxWyKly7TIIwdrbTGBznkbuPU9wCXSPFt9rN9H9k0eNrB7qa2ecXmZbcxh+ZYtnybmQAfMfvDPoa/gPWtb1qfXX1iG1WK31Se2UxXLOUMe1NgUoPl4J3ZyST8ozUMHhfXLjxJp+p6hHpVrcWkxae/sZZPOvItpAjdNir3BJJbpwBWj4U0HU9A1LWluJLSTT77UJr6ExljLmVgSrZAAAwemc57Y5AOmooooAKKKKACubvv+Sp6F/2BdS/9H2NdJXN33/JU9C/7Aupf+j7GgDpKKKKACiiigDjfiX4ei8R6HaWQCx3Ml2qwTgfNE+xypB6gZAzTdF8Y3Gp/DyG9Cqutl/7PeBv4LwHYQR6A/OR/dzWr4ltddurjTjolvp0sdtcLcSm8uniLYBG0BY26g9T+Rqha+DH0/xpqXiG1aOQXMImisXkKxrd7SrSbtpwCvGQCfmbjpQBynw2k0vwj4L8R63eoHkttUuIZbpgvmyqGUKpY46se5xk5roNO+KGnTavc2Ootp6CGze9W40/UFvIyifeViFUq4HOMEHsao6R4C1v/hEdd0HWZbCAajePfQXNnM8hilLq6gqyLkBkHOefStr+wfEWv6FeaZ4vu7GOOa2eAHTN/wC8LLt8xt2MY67RkZPXgUAYGuanf6vq3gy+vNAjsre41WKS3uTcCSUIYpCEddo2EghsBmHy84NdBb+JYo9W8ViHQHN3pIhMv2VRJNfboyyDAGSQuAMk9faqDeGvFd1p3h60vJdIDaLfRT/aEeQ/aESN0BKbRtbDdMkHrkYwYLnwj4oubzxlLFcWFidejiFtNBcyM8JjUIA37sYDKDkg5HbPWgDX0fxjdah4gu9Eu9Mt4r+CzF2Etr4TLy23y3JRSjg9QQfxqhp3xGub7S9C1VtAaLTdXuktPO+1qzxO7lFOzbyuRycgjPQ9SumeGfEGm+IYtWt7XQoFTSzZ/Yrd5ERW37xhtnQ9ztyPQ9ay7TwZ4ssvAug6DHHorzaTfx3RmN7KFkWOTzFGPJyCSSD6YHXPAB6bRTYy5jUyqqvgblVsgHuAcDP5CnUAFFFFAHN+PP8AkXbX/sNaV/6cLeukrm/Hn/Iu2v8A2GtK/wDThb10lABRRRQAV5bdnT9B8SarJ8QdKkeK8vGksdfCmRYIj9yLevzQFemRjPX3r1KuXksvFUdre2mNJ1OG5mnaNryWRDFG7sVRlCMJAFIGMr0x70AY+sanquhf8IVpHh+S2v7a4Kw/aZbpk+0iOE4yyq2FOA2fmyeMd6ua/wCPbrQHuJrrRVSxtp44Glnu/KknZtuWgQpiVV3DncDweOKrN4C1DTtF8J22jXdvcXHh+YuWvCyrKGVg2NoJGN3A/DNU9W8CeI9Rj8QxNPpE76lKslveziTzo0BQiHGDsQFTjBPU8c5AB0V94rvofF8/h7T9F+13KWAvY5HuxGjKX2YPynbyD6npx6QW3j1bzw5pF7a6bI+o6tM9vb6eZQMSRswk3PjhV2MS2OmOOaiGjeJk+IUniEW+kywnSxYiP7ZKjFg5kDf6ogDcduMnjn/ZrJ0/wN4ltNI0dxLpcWq6He3FxbFZpHhnSdnMiPlAVPz4BAbp0oAfoF/dad4w8c311ojR3UFtZyNZ2DecZ2xMcodqli3uoOc1r6d42ubnWL7SrzTLeK9tLH7bstr8TDGcFHJRSjg9QQfxqjqHhPxPfzeJbmG9sdPn1mzghj8iSRjC8e7jftXghyMgZ9qS28KeIbTVv7QtbbQbcHSWsPsdu8iRoxfcCG2cj1OM+x60AT2PxDnn8Mr4iv8AQntdKktRLFKt0sjySlwiwhMA5JPDdKpvNqE/xa8OPq2iwabM1neESQ3Am80Yj+VjtXDL6cj5uCaltPAuqT/CeLwrqlxa217alfs1zau0qEowdGYMqnrkEc8c57C+NG8S33ifQNX1P+yoDpsVxFcJbySSeZ5gQblyq4+50OcepzwAdfRRRQAUUUUAc38OP+SWeFP+wLZ/+iErV1bRNO12GCDV7WO7ghmEwhlUMjMFIG5TwR8x49cVlfDj/klnhT/sC2f/AKISujbcFOwAtjgE4BP1oA8v8NeDPDep+JvGtld6Hp7QR3ccUIFsgMKmEE7CB8nPPGOa3PEfjq48LR3kkukF9P04xxvc3d35MlySBkwqUIlxnn5hzmpPCeieI9L8Ua3f6vDpYttWnWfFrdSO8JVdoXDRKGyAOcj6Vla/4E1/VpfEsazaXNHqq4tbq5Lma3XaB5QwuFTIzkE9Twc8AG7q/i3ULLxW+gaZoR1C6/s9r2I/a1iVwHC7TkHbyTz6445yKGqeP7+2t9auNM0GO7i0JR9u82+8pg2wOwQCNtwUHkkjOOM1OmieI/8AhZNv4gmTSzaLp32CVUuJBJy4kZlXZjhhgAtyOeM4HLX9nc6/4o1q/wBOm8P3doLr7PNHfXs9sSIlUFHSI7ZFDBsFwc/TFAHT3/xATT4bCG6TS7bUbu0+2GK71UQQpGThQJWTLMfTZ2OTxk4958Qb/WtP8MXfhu2gWPUtS+zzxzXRUh0yTHuVGG07c7hnIwMcnF9bHxFqd1pvizQDp1tfSWf2O7srpmaCWNZGKskijIGSWBxyGFXNf8M61qdvo13DdWkuqafqC3rrMXSBhtKlFwCQACMeuCT1oA1vFOty+HvBuo6uYUae1tjIIwxK78cDPGRk+3Fc/wCHvC+kS+ErTW/E1t/beo3Vqt1Pd3EBuJQXUNtjUAlQOAAgzxXX3unxaro82n6oiTxXMJinVQQGBGDjnI9ueK5jQtH8WeFtNTSLKTTNYsLddlpLeTyW80Sfwq22Nw+Bxxt6UAcp4jvtD1D4I+I4tAvbrUbW2k3LLdwTDy2aYHYHlUbiuSOMkAjPXnvtQ8R3C68+i6HYR399Dbi4uPOufIjiQkhRuCsSxwcDGOOSK5W4+H2tR/Cq+8MWlxYTXuoXTTSyyu8ccSs4c7cKxY5AHIHXPbB2H0HxBbeKV8SacunG7u7NbbULGa4kERKnKvHKIycjOMFOn50AYmu+I7fxFo+ganDp8sd5Z+JIbae0YKZYpk3bo89O45yBzzit2z8b3f8AaOp6ZrHh+5s9SsrM30Ntbyi5+1wg4yhAHzbsDbjqaqzeB9QTRENnc2p1U62Nam8wMIXlzygxlgoGADyeM45qS/8ACetau+rapcXlvp+r3WnHT7MWkjuluhbeSZCqsxZschRgDjNAFrRPGE2q+Jn0DU9Nt7W5Nj9s2w3gn2ruVSkilFKONw4wR15qp8JgF8DkKMAX90AB2/fNUWjeFde0zX7HU1g0SBbfTZbOS1tmkVSxdHDBtvO4pySMjPRq0fh/oWr+HNBl0/WhZFvtMk0b2kzuG8xixBDIuME++fagCbx5/wAi7a/9hrSv/Thb10lc348/5F21/wCw1pX/AKcLeukoAKKKKAPJ/EWmeHrX44Wr6josVzBc6TJLNFHprXXmS+afnMaIxJx/Fj8aseBdTsLXxN4qudLkex8O2cCSCxnJRoXVcyOsLfMi49QAfT02L7QvFD/EpPEtra6RJb29k1lFDJfyo7gvu3sRCwB/2Rn60yPwNf6x4m1XWvE01rA19pj6Wlrp7MyrE2cszsqlm544H6UAGl/FCyv9f03T3Wx8vVMi3e11JLiSJsZCzRqPkJ6cFhnjNaGjeLdR1uSKWz0aFrGaSWJZhe5eFkDYE0YT93krjq2M884BXw5pfiuyhttP1y+06Wxswqxz2ius1wq8KHB+Ve2cE5xjuapWHhfXJPE2natqUelWdxalvtd3p8r+ZfqUKhJE2Ko5O7JLcjgCgCf4ca3rGvaLc3msRW6q15OsbxXDORiRhs2lBhRgAHcc+grC8W+GLiL4gQav4NSKz1mKxlu3RV2pfESIGSTHUkMefXGfUdN4J8P6n4asrvT72W0ktPtUs1s0O4yMHct8+QACM4wM/WpprHW28eQ6lFb6edNjtWtizXTiYhmRi2zy9vBXGN3PXI6UAYAk8N+PpvDmsy6Xby3S3r21xFcxBpIGWCZjC4I/hcAgH6jrWjeeN7oWup6hpGi/2hpmlSvFczC6CSOY/wDWGKPaQ4XkcsucHGanm8GRJ49tPEmnS/Z8ljfW4yFnby3RJMf3xvI9wfUc58HhTX9Ij1vTNGm0+TS9VmlmjkuXcS2bSj5wFCkSDuMsvvmgDr9N1C31bS7bULF/Mt7qJZYm9VYZFUvEGvR6FbWx8lrm6vLhbW1t1YKZZGz1J6AAEk9gO5wKi0zSr7RDpem6a1r/AGJZ2fkyCTcZ2cYCkH7uODnNQ+MPDlxr9pYy6Zcpbajpt2l5avKCY2Zcgo4HO0gkZHIoAhs/FV7Lrt1oF9pUNprEdr9qtk+1l7e5TO3Il8sMMHqNmR6GsT4Xpc6toD3OtWFlNs1K5niuGlMsom81gSFaMbcdAwbOOwrZg0XWJvED+ItRhsBqENkbSztIblzEMtuZnkKA8kAcJwPWmfD/AEPWvDmiy6drSWBHnyTxy2lw77i7liCrRrjGeuTn0FAHWUUUUAc34o/5GLwZ/wBhqT/033ldJXN+KP8AkYvBn/Yak/8ATfeV0lABRRRQAVzfhf8A5GLxn/2Go/8A032ddJXN+F/+Ri8Z/wDYaj/9N9nQB0lFFFABRRRQAUyaGO4heKeNJY3GGR1BVh6EHrT6KAKGnaFpGkO76TpVlYtJ99ra3SMt9doGav0UUAFFFFABRRRQAUUUUAFFFFABXN2P/JU9d/7Aum/+j76ukrm7H/kqeu/9gXTf/R99QB0lFFFAGRd+LfDmn3clrf6/pdtcRnDwzXsaOh68gnIrRtLy2v7ZbixuIbmB/uywuHVvoRxXDeKJntfi94cng0+W+k/s+7UxQGMOw+Xu7Kvfue9Z2lf2j4Ft9c1i/wBPWyOu6pEljpceZhAzZBdhEDkkZYqmc7QB1oA9Qpk00dvA807rHFGpd3Y4CgDJJPpXBJ411+Kx8Qvcad5g02xa9tb6TTbmzhmCgloykvIYY7MQc+1Z/i+98Ual8JtT1G8l0q3s7nTYpljhhkaUh1+dSS4C9Rg88ZGD1oA7vS/EulaxfS2dhPIbiFBI0UtvJE2w9HG9RuU+oyK1a42PW9Ytp9G8PQTWMup3lq1y101q6wwwoFH+r8wlmJIH3wOp46Vl6p8QNa0rw/4m+0Wdl/a/h54fMwH8ieOX7jqM5B9VycY60AejUVxmsa54r0VrFriDR5FvtUitIkQygpG4/iPTcCCMgYxzjtUVrr/i268Q6zoCJo322xjiniuSkvllHBwrJuyWyMZDAd8dqAO4orhIfG2o6l4P0HWLVdPsI9RRjdXN2TIkDLwEWMMryFmBAAPHvVaP4gaxN4V0XUorOzNxeayulzowkRTmUpuUH5lyF/izjPQ9KAPRKK4d/GuoaJc+I4vEsFrKNIs472J7EMvmK+4BCGJ53LjPTnOBWpBf+J7K/jk1u2sJNMa1eaeW1BRrN1Gdh3OfNBGRlQvTpQB0lFeeab491nUL3R7iDSprjT9UkRXij0q6R7RHHyyGdh5bqMjJAA5yCRzXodABXN33/JU9C/7Aupf+j7Gukrm77/kqehf9gXUv/R9jQB0lFFFAGRd+LfDmn3clrf6/pdtcRnDwzXsaOh68gnIrRtLy2v7ZbixuIbmB/uywuHVvoRxXDeKJntfi94cng0+W+k/s+7UxQGMOw+Xu7Kvfue9Z2lf2j4Ft9c1i/wBPWyOu6pEljpceZhAzZBdhEDkkZYqmc7QB1oA9Qpk00dvA807rHFGpd3Y4CgDJJPpXBJ411+Kx8Qvcad5g02xa9tb6TTbmzhmCgloykvIYY7MQc+1Z/i+98Ual8JtT1G8l0q3s7nTYpljhhkaUh1+dSS4C9Rg88ZGD1oA7vS/EulaxfS2dhPIbiFBI0UtvJE2w9HG9RuU+oyK1a42PW9Ytp9G8PQTWMup3lq1y101q6wwwoFH+r8wlmJIH3wOp46Vl6p8QNa0rw/4m+0Wdl/a/h54fMwH8ieOX7jqM5B9VycY60AejUVxmsa54r0VrFriDR5FvtUitIkQygpG4/iPTcCCMgYxzjtUVrr/i268Q6zoCJo322xjiniuSkvllHBwrJuyWyMZDAd8dqAO4orhIfG2o6l4P0HWLVdPsI9RRjdXN2TIkDLwEWMMryFmBAAPHvVaP4gaxN4V0XUorOzNxeayulzowkRTmUpuUH5lyF/izjPQ9KAPRKK4d/GuoaJc+I4vEsFrKNIs472J7EMvmK+4BCGJ53LjPTnOBWpBf+J7K/jk1u2sJNMa1eaeW1BRrN1Gdh3OfNBGRlQvTpQB0lFeeab491nUL3R7iDSprjT9UkRXij0q6R7RHHyyGdh5bqMjJAA5yCRzXodABXN33/JU9C/7Aupf+j7Gukrm77/kqehf9gXUv/R9jQB0lFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBzfjz/kXbX/ALDWlf8Apwt66Sub8ef8i7a/9hrSv/Thb10lABRRRQBR1LW9K0ZY21jU7OwEpIjN1cLFvx1xuIz1FQWXijw/qVwINO1zTbuYnAjgu43Y/gDWB8X0V/hPre5Q2I4yMjofMXmpvFmg6drfw7m/tCJPMtrAzwXGMPA6JuDK3UYIoA66ivMtE8falP4Z8P2p3nU7rTTdT3L6fPefKr7FJjh+YliCdxIA984qW48beKYvDmnaxc2NrpcH24WepfbbGbMSltq3CBnQ+WcrwRkE98UAeiXNxFaWstzcNsihQyO2CcKBknA56UywvrfU9Pt76yk822uY1lifaRuVhkHB5HB71z+pazrFtNr9zZmxksNMtN8avC4czhd7KWD4KhcdFHLgZ+U5oz+K9Wbw54e1CM6dYrqdklxc3VypkSORo1ZY44Q6u5YsehOAO9AHa1TbVrJdaTSGmxfPAblYtjcxhgpbOMdSOM5rzrVPFGt674G8K6lbTW9hNf65Ba3CeQ7KWW4KqcFlYLmPJU8nOMjnPTnxJfWXjj+xNS+yvax6K2oyXEMbKxdXVGwpY4Xljjk9OaAOqorz648ca5aeE7bxjNa2LaJMyPLaKr/aIYHYKJPM3bWbkEqFH171bm8SeJLjxD4m0vS4tLT+x4oJYpbhZG3iRHbawBGSdoGQRjnrngA7aisvwzq7a/4X03VniELXlskzRg5CkjJANalABRRRQBzfw4/5JZ4U/wCwLZ/+iErpK5v4cf8AJLPCn/YFs/8A0QldJQAUUUUAQXt/aabatc6jdQWkC/elnkCKPxPFUDonh3VpotVOmaZfSSASRXn2eOQsMZDB8HPHQg0ni5Fk8E62jqGU6fOCCOv7tq5Hwnqq+DE17wzqbOyaLm608HlprSQ/Iq+pDnZ9SBQB2/8AbelDVxpR1Oz/ALRPSz+0J533d33M7vu89OnNO0vVrLWrRrrTZvOhWV4i2xlw6MVYYIB4IIrzvwJYXFh8UvFa3TJJfvZ200zn7vmuCzAH+6CcD2Aq0PiBrJ8E2esra2Jnm1f7A8ZDhdvnGMEc5zgdf0oA9GqnpWq2et6XDqGmTefazAmOTYy5wSDwwBHIPasLTNb1xvFeo6DqkdgZo7JL21mtw4UKzMm1wSSSCvUYz6Cse08da1eeC/DGswWlh52sXy2s0bF1VAzuBt5OOF6nPXOO1AHoNFcPa6/4tuvEOs6AiaN9tsY4p4rkpL5ZRwcKybslsjGQwHfHaiDxrqGpeC9C1q1SwsE1DP2u6u2Lx2xAIwse5WkLMuAAc896AO4ornfBPiG58S6DLdX0cSTwXc1q5iR0V/LbG4K/zLn0PIroqACiiigDm/Hn/Iu2v/Ya0r/04W9dJXN+PP8AkXbX/sNaV/6cLeukoAKKKp6xePp+h317Em+S2tpJVX+8VUkD9KAI9Q1/R9JlWPVdWsbGRxlVublIy30DEVcguILqPzLaaOZP70bBh0z1HsQfxrivhdawv4Fg12RDe6pqge4u7g4Mkz7iNmTwAMbQMgDFULDxto+j6Z4iuNH8PahYtDqAS4imSMIbtykWxREzk9Ax2g55xkkAgHpFFcBF4z8QRyapHNp5nittPe8gvm0q6s4t6ctE6y8k45BB59ql0/xdr7y+E7nULfTvsPiCJAUgD+ZFIYfMDZJwVOD8uMj1NAHdUV5xc/ETVpUbUNE0ua+s47tofscWk3TyzRrIUaRZ1HlZ4J24PAwTnitVNf8AEt/4y1vRdMi0pI9La1fzbgSZaOUMWHB+9gcHoCOc54AOypHcRxs7nCqCScdq4BfG+sQeItNtL5dNAvdQazlsYFd5bQfMULzKxjLEKDswpwfY4Tw/fa9J4s8ZSzX1nOljKkaRNasvAi3IAwfgDJyMHJJOR0oA7bS9TtNZ0yDUNNm861uF3RSbSu4fQgEfjVuuF07xvqGqaH4XW3htY9W8QJLIrOrGGBYxudtudzfwgDIyT1GKivvHGs6TbeJLO/trJ9U0W1W8iljV1huYWB52kkqQRgjcfrQB39FcdY+JNcXxFoVtqkOnmz1q2kkj+zhxJC6Ir8knDAg9ABj1Pdvh7xPq+sazHDNJpkYWWRbvTTG8d3aKA2wks+HBIHIUDnjPUAHZ0UUUAc34o/5GLwZ/2GpP/TfeV0lc34o/5GLwZ/2GpP8A033ldJQAUUUUAFc34X/5GLxn/wBhqP8A9N9nXSVzfhf/AJGLxn/2Go//AE32dAHSUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXN2P/ACVPXf8AsC6b/wCj76ukrm7H/kqeu/8AYF03/wBH31AHSUUUUAcnqfhTWL7xxY+IYNctYFsUeKK1bT2fcj43Bm80ZPHBAGMDg851fE3h6LxLo/2KS4mtJUlSe3uYT88EqHKuPpWvRQByd14U1nUPDmoWGpeI0ur28tntBdNYBUiicYfEauMsR/EW7DA6gx6j4N1TUPh3H4WfW7dD5K28t39gJLxKAAAnm8NwMnJ78CuwooA5O58H31w+kagNXhh1vSlaKO7isyIpYmGCjxGQk9ByGHPIxVXWfh9cax4f1ezfV40v9akja+vTZ5BSMYREQONoGByWb+LqTkdtRQBy2veGda1u10dP7ctIJ9OuUu5JP7OLCeVM7fl80bV5ORkn3FRxeFdat/Fuqa7b65ZLJqECQeU2msRGEzsOfO5PJz6+1dbRQB5/pHw21HR7bQltvEaedoomjif+z/leKXBIKmQ4cHPzA9CBjjlZfhxqQ0u1sbXxHGqWurnVY2m0/ed+8uqnEi8ZZs+vGNuDnv6KAONn8DXWpa7qt3rOqW9zZ6rZCyntYrJoyEXdtKuZGwwLE5IP0FXND8LahYxRwa5r8msW1vG0VvE1ssWFK7cuQSXYKSM8Dk8Z5rpqKAOS0HwZf6J5NkfEU91otq4a2spLdQ6BTlEaXOWVTjjA6AZxxXW0UUAFc3ff8lT0L/sC6l/6Psa6Subvv+Sp6F/2BdS/9H2NAHSUUUUAcnqfhTWL7xxY+IYNctYFsUeKK1bT2fcj43Bm80ZPHBAGMDg851fE3h6LxLo/2KS4mtJUlSe3uYT88EqHKuPpWvRQByd14U1nUPDmoWGpeI0ur28tntBdNYBUiicYfEauMsR/EW7DA6gx6j4N1TUPh3H4WfW7dD5K28t39gJLxKAAAnm8NwMnJ78CuwooA5O58H31w+kagNXhh1vSlaKO7isyIpYmGCjxGQk9ByGHPIxVXWfh9cax4f1ezfV40v8AWpI2vr02eQUjGEREDjaBgclm/i6k5HbUUActr3hnWtbtdHT+3LSCfTrlLuST+ziwnlTO35fNG1eTkZJ9xUcXhXWrfxbqmu2+uWSyahAkHlNprERhM7DnzuTyc+vtXW0UAef6R8NtR0e20JbbxGnnaKJo4n/s/wCV4pcEgqZDhwc/MD0IGOOVl+HGpDS7WxtfEcapa6udVjabT9537y6qcSLxlmz68Y24Oe/ooA42fwNdalruq3es6pb3NnqtkLKe1ismjIRd20q5kbDAsTkg/QVc0PwtqFjFHBrmvyaxbW8bRW8TWyxYUrty5BJdgpIzwOTxnmumooA5LQfBl/onk2R8RT3Wi2rhraykt1DoFOURpc5ZVOOMDoBnHFdbRRQAVzd9/wAlT0L/ALAupf8Ao+xrpK5u+/5KnoX/AGBdS/8AR9jQB0lFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBzfjz/kXbX/sNaV/6cLeukrm/Hn/ACLtr/2GtK/9OFvXSUAFFFFAHO+N/DV54t8OS6NbalFp8FzgTu9qZmYAhgF+dQvI56/hVK/8H6xrmmppet+IY/7M2qk0GnWRt2nUfws7SOcHvjFdfRQBy+reDGmvNOvvDWpNod5p8H2WNkgEsTwcfu2jJGQCARzxWg/h6K78OXelatM199uRlupnUKZCwxkAcLgAYA6YHU81sUUAc6vhaW38Av4csr8LNJbNDJezwmQuz/6xyu4cnLY+bjI64xWVaeA9Ss30CaHxCi3Gj2Zsd4sAVlh+UDClztfCgbuc+nau3ooA4gfDydPCltpCa43m2OpjUbS4a1UiNhK0gDIGG7lzk5HbgVc/4RHUJPGseu3WsQXEI086fLavY4MsZIZiXD4BLjPC4A4wetdXRQBxVt8P5odFTw9PrP2jw7HKHWze2/fFA+8RGXdgpkD+EHHGcVMvhHWIfEWv6rba5Zp/bMaRGJ9NZvJCAqhz5wyQrHPQE84HSuvooAxvCeiXPhzwzaaRdXsd79kQRRzJAYsoOgI3Nk++R9K2aKKACiiigDm/hx/ySzwp/wBgWz/9EJXSVzfw4/5JZ4U/7Atn/wCiErpKACiiigDK8S6Xfa1oNzp2nX8Vg10jRSTSWxmxGykEKu5cHnqc9+O4z7rwdHqet6LrOr3CTajpgYO8EJiS4GcqCpZiArAMOTyK6WigDkNO8I6xYeNNU8QnXLOVtSiWOSD+zWCpsUiMg+dng4J9eRxkEZS/DTVV8Lw6KPEdrsh1H+0FlOmNu3794XHnYxuJ/DivRKKAOUHhnXl8XT68uu2IllsBZeT/AGY21QpZlbPnZzvYn3HHvWTa/DrWLPwzomjQeI7Xy9HvBdwyNpZJcqSVVh53TLNnGM8dMc+g0UAclF4V1q38W6prtvrlksmoQJB5TaaxEYTOw587k8nPr7Vm6Z8N9R0vTvD8Fv4ij87QpJvIl/s/5ZI5QMhkMh+YfNhgeh6evf0UAYXhfw7N4dj1COXUWvlvL2W7XdCqGMyMWYHHU5PXgewrdoooAKKKKAOb8ef8i7a/9hrSv/Thb10lc348/wCRdtf+w1pX/pwt66SgApCAykMAQRgg96WigDkdO8GX3huSePwnrSWWnzSGQWF5Zm4jhY9fLIdGUd8ZIqOD4dW50DWtP1DUZrifWLv7ZNcxIIjFLkFWjHOMFQeprsqKAOTPhXW7jQ7yz1PxKt9dTWzW0M8lgFSJX4diiuNzleA24Y9OSDTXwNrS2fhu3XxDZ48PlTCTpjfvdqGMBv339w4478+1dxRQByFp4IvNOvbqHTvEE0Oh3czzS6abdWKlzl1SUnKqSTxjjJwQeas6T4Y1HTvG2r67Lq0E0GqCNXtFsihQRgiPD+YeQCc8c+grpqKAOCs/hxf2el6XYDxKzQ6VqAvLb/QV3H7+Q53Hc37w/Nx7g1pjwhe22t67faZrCwR6wqs1vLaCQJIE2bs7gSMc7RjnHOOD1VFAHDWnw6uLTw/odomtBdS0GRmsb+O02gIwwyPGXO4EcHDL2/GfUvAtzqemayLjVYTqesQrbT3f2I7I4VBwkcfmZHUnJY8n6V2VFAHHDwhrZ1Lw9dvr1mTokbRhBpjDzwy7GJ/fcHaB075PQ4Etr4P1F9W0q81vW4r86SzNbull5Uz5QpiSTe25cE8ADJwSTXWUUAFFFFAHN+KP+Ri8Gf8AYak/9N95XSVzfij/AJGLwZ/2GpP/AE33ldJQAUUUUAFc34X/AORi8Z/9hqP/ANN9nXSVzfhf/kYvGf8A2Go//TfZ0AdJRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFc3Y/8lT13/sC6b/6Pvq6Subsf+Sp67/2BdN/9H31AHSUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXN33/JU9C/7Aupf+j7Gukrm77/kqehf9gXUv/R9jQB0lFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVzd9/yVPQv+wLqX/o+xrpK5u+/wCSp6F/2BdS/wDR9jQB0lFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBzfjz/kXbX/sNaV/6cLeukrm/Hn/Iu2v/AGGtK/8AThb10lABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAc38OP+SWeFP+wLZ/8AohK6Sub+HH/JLPCn/YFs/wD0QldJQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAc348/5F21/wCw1pX/AKcLeukrm/Hn/Iu2v/Ya0r/04W9dJQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHN+KP8AkYvBn/Yak/8ATfeV0lc34o/5GLwZ/wBhqT/033ldJQAUUUUAFcJpmjX2o+LfGEtn4l1TSkXVolMNnHasjH7BaHcfNhds844OOBx1z3dc34X/AORi8Z/9hqP/ANN9nQAf8Ivq/wD0PfiD/vxp/wD8i0f8Ivq//Q9+IP8Avxp//wAi10lFAHN/8Ivq/wD0PfiD/vxp/wD8i0f8Ivq//Q9+IP8Avxp//wAi10lFAHN/8Ivq/wD0PfiD/vxp/wD8i0f8Ivq//Q9+IP8Avxp//wAi1B488RXmi2mm2Gjskep6xepZ280i7lg3H5pCO+B29TVfV9FsNF0ZnuvGF9pl7KpSPUL7VWCtJt/55u3l++AoPpigC/8A8Ivq/wD0PfiD/vxp/wD8i0f8Ivq//Q9+IP8Avxp//wAi1IfFdoLW1XTg+vXE0BlC6W0cgZVO1n3FlTG7IxnJIIA4NVP+FiaM1hpV3DHezR6pO1vEI4MskgzlHXOQw2ngZ/WgCf8A4RfV/wDoe/EH/fjT/wD5Fo/4RfV/+h78Qf8AfjT/AP5Fp9n40065ttVluobvT30llF1DdxAOu4ZQgKWDbh0wc+1QS+OYYZ7y0m0jULfULeza8itLjylNzGvUowcrx3BII9KAJP8AhF9X/wCh78Qf9+NP/wDkWj/hF9X/AOh78Qf9+NP/APkWsCLxRZ6v4B0XUPGGkXjLeXNuYymza0pYFHGx8hQ2OGweORXR6v4wtNJmvY0sr6/OnxCW9a0RCLZCNwLbmXJ2jOFycc4oAj/4RfV/+h78Qf8AfjT/AP5Fo/4RfV/+h78Qf9+NP/8AkWt6zu4b+xgvLV98FxGssbYI3KwyDg+xqagDm/8AhF9X/wCh78Qf9+NP/wDkWj/hF9X/AOh78Qf9+NP/APkWukooA5v/AIRfV/8Aoe/EH/fjT/8A5Frn7Pw5qh+JOsxDxpriuuk2DGYQ2O9wZrwBT/o23A2kjAB+Y5J4x6JXN2P/ACVPXf8AsC6b/wCj76gA/wCEX1f/AKHvxB/340//AORaP+EX1f8A6HvxB/340/8A+Ra6SigDm/8AhF9X/wCh78Qf9+NP/wDkWj/hF9X/AOh78Qf9+NP/APkWukooA5v/AIRfV/8Aoe/EH/fjT/8A5Fo/4RfV/wDoe/EH/fjT/wD5FqH4l3F3Z/DzVrzT724s57eAukkDBWzkDrjI/DBrTubS71TQbSCC+ltPNVDcTxNiXZtyQjEHDE4GfQnHOKAKX/CL6v8A9D34g/78af8A/ItH/CL6v/0PfiD/AL8af/8AItZnhy31XSvF2uaRb6pd6np8NpFNC+oSmV7ed937sueWGAG74BH44XhjVLjUNR0yzg1DVE8TWtz/AMTy1vbpzGIwP3hEZOzaSV2bBnkZ4zQB2H/CL6v/AND34g/78af/APItH/CL6v8A9D34g/78af8A/ItP8e+IJfC3gXVNYtgDPbxARbhkB2YIpI74LA1hztd+DvFHhmA6le30erM9perdXDShpQm5ZUDfc5yCFwuD0yKANn/hF9X/AOh78Qf9+NP/APkWj/hF9X/6HvxB/wB+NP8A/kWsDxP4UmtrJHg8S+IDqmo3aQRFNTkjjDu2WIjU4VVQOwUdAuKsvMNc8ea3omo6ne6fDplrA9klvePAZAyEvMWBBfacLg5UY5BzQBrf8Ivq/wD0PfiD/vxp/wD8i0f8Ivq//Q9+IP8Avxp//wAi1xul+L9T8Q6X4U0aW8eK51S8uoLu9tzsaWK2BLFSPul/l5Hvium8NahPZ+Odc8MS3E91bWsUN3aPcSmSSNXGGQu3LAEZBJJwepoAuf8ACL6v/wBD34g/78af/wDItH/CL6v/AND34g/78af/APItdJRQBzf/AAi+r/8AQ9+IP+/Gn/8AyLXP3nhzVB8SdGiPjTXGdtJv2Exhsd6ATWYKj/RtuDuBOQT8owRzn0Subvv+Sp6F/wBgXUv/AEfY0AH/AAi+r/8AQ9+IP+/Gn/8AyLR/wi+r/wDQ9+IP+/Gn/wDyLXSUUAc3/wAIvq//AEPfiD/vxp//AMi0f8Ivq/8A0PfiD/vxp/8A8i10lFAHN/8ACL6v/wBD34g/78af/wDItH/CL6v/AND34g/78af/APItQ/Eu4u7P4eateafe3FnPbwF0kgYK2cgdcZH4YNadzaXeqaDaQQX0tp5qobieJsS7NuSEYg4YnAz6E45xQBS/4RfV/wDoe/EH/fjT/wD5Fo/4RfV/+h78Qf8AfjT/AP5FrN8NWup6X4x1vRotWvNQ02K1hlilvnMz20z7spvPLDADY7Aj8aVjdRW/xTs9M0fxPcX7LDOdWtbq881QQBs2KeFfdnKoMAA5A7gG/wD8Ivq//Q9+IP8Avxp//wAi0f8ACL6v/wBD34g/78af/wDItaXiLW7fw34dvtYu1LRWcRkKKcFz2UfUkD8a5LwnqcWqavay6/rd9/blzGbmLTQJra2jTH3YwQqzbQeTluQT2oA2/wDhF9X/AOh78Qf9+NP/APkWj/hF9X/6HvxB/wB+NP8A/kWqNzdXsPxi0+zF/cNZzaXNM1sXAjDB1AOABnj1zVL4j3Grx3FqVstb/sO3jaW7u9EvVinVs91+8yhckjgc+1AG3/wi+r/9D34g/wC/Gn//ACLR/wAIvq//AEPfiD/vxp//AMi1Ha6Wmt+GdLi0rX9ROlNCZGu0um+1XGcbQZTyBy2cYPAHTIqHwJ/aME2u6feahcalZ2N/5Nnd3LbpGXYpZC3VtrHbk9wfwALX/CL6v/0PfiD/AL8af/8AItH/AAi+r/8AQ9+IP+/Gn/8AyLXSUUAc3/wi+r/9D34g/wC/Gn//ACLXP3nhzVB8SdGiPjTXGdtJv2Exhsd6ATWYKj/RtuDuBOQT8owRzn0Subvv+Sp6F/2BdS/9H2NAB/wi+r/9D34g/wC/Gn//ACLR/wAIvq//AEPfiD/vxp//AMi10lFAHN/8Ivq//Q9+IP8Avxp//wAi0f8ACL6v/wBD34g/78af/wDItdJRQBzf/CL6v/0PfiD/AL8af/8AItH/AAi+r/8AQ9+IP+/Gn/8AyLVPXLm8tvil4Vt4r64FreRXhmtg4EbGONdpwBzyxPOe1aGu+HrnXJpGn1zUNNtoo8Qrp9wYSG/id2AyewC5xwfXgAj/AOEX1f8A6HvxB/340/8A+RaP+EX1f/oe/EH/AH40/wD+Ra5tPGuqaN8KNIvb4rd63qMn2W1eRNqyFnYJKwHOPLAY+ufetvwbNp81zdKuvalqmqwqq3iX3mweWTzlbdgoQHsQvTjJoAs/8Ivq/wD0PfiD/vxp/wD8i0f8Ivq//Q9+IP8Avxp//wAi1P4rWyTSzc6zrU+k6dCCZXt7gwMzHG351+b1+UdSe9ZXgmW91b4dwvda00vmvJ5d8rq0vkBzt3N0D7OCeozzyKAL3/CL6v8A9D34g/78af8A/ItH/CL6v/0PfiD/AL8af/8AItYvgW/S88Sa9DofiF9W0iFIhD9qujcPHMQd20k7jH93nOCc4PBqLW/CcllNpkFp4k8RSX19fJGS+qS7dgzJK2xSABsVgB0BIoA3/wDhF9X/AOh78Qf9+NP/APkWj/hF9X/6HvxB/wB+NP8A/kWseFrrxj4q8SW41K9sYNIZLW0W0uGixKULNK+37/JACtlcDpzW14B8QTeKfAel6xdhRPcRES7RgF0Yoxx2yVJ/GgBv/CL6v/0PfiD/AL8af/8AItH/AAi+r/8AQ9+IP+/Gn/8AyLXSUUAed+NPDmqQ6DbNJ401ycHVtNUJJDYgAm+gAb5bYHKkhh2yBkEZB6D/AIRfV/8Aoe/EH/fjT/8A5Fo8ef8AIu2v/Ya0r/04W9dJQBzf/CL6v/0PfiD/AL8af/8AItH/AAi+r/8AQ9+IP+/Gn/8AyLXSUUAc3/wi+r/9D34g/wC/Gn//ACLR/wAIvq//AEPfiD/vxp//AMi10lFAHN/8Ivq//Q9+IP8Avxp//wAi0f8ACL6v/wBD34g/78af/wDItU/ENzeW3xL8IQw31wlrePdrNbK4Eb7IGK5AGTyc8k9BXYUAc3/wi+r/APQ9+IP+/Gn/APyLR/wi+r/9D34g/wC/Gn//ACLVNbm8j+M4sTfXElnJoT3AtmceWr+ei5AAHOO5yeT61S+Jc9tpmlzXlx4lvNN1CRCulQQXXkq0oAwGXOHG4jczcAEdOpANn/hF9X/6HvxB/wB+NP8A/kWj/hF9X/6HvxB/340//wCRauXGp3Nnotko8q71W6jVIljP7uSTblnyOkY5Yn04HJAOF4PvdYHhXXWMsusaja6newwec4XzSkhCrycKvHQcAdKANH/hF9X/AOh78Qf9+NP/APkWj/hF9X/6HvxB/wB+NP8A/kWua8ASn/hJprXXbnxHa69FAZJLDU9Q863kUkAyRBflYA8ccDNek0Ac3/wi+r/9D34g/wC/Gn//ACLR/wAIvq//AEPfiD/vxp//AMi10lFAHN/8Ivq//Q9+IP8Avxp//wAi0f8ACL6v/wBD34g/78af/wDItdJRQB534B8OapP8NvDUsXjTXLZJNJtWWGKGxKRgwqQq7rYtgdBkk+pNdB/wi+r/APQ9+IP+/Gn/APyLR8OP+SWeFP8AsC2f/ohK6SgDm/8AhF9X/wCh78Qf9+NP/wDkWj/hF9X/AOh78Qf9+NP/APkWukooA5v/AIRfV/8Aoe/EH/fjT/8A5Fo/4RfV/wDoe/EH/fjT/wD5FrpKKAOb/wCEX1f/AKHvxB/340//AORaP+EX1f8A6HvxB/340/8A+Ra6SuP8d3N5ZX3heSzvriBLjXILaaKNwqyIwdiGwMn7o4zj2oAuf8Ivq/8A0PfiD/vxp/8A8i0f8Ivq/wD0PfiD/vxp/wD8i1P4rWyTSzc6zrU+k6dCCZXt7gwMzHG351+b1+UdSe9cbF4p1TTfgzHqCakL28urj7LZXjsJHVJJdqNIRwXCckHuADzmgDq/+EX1f/oe/EH/AH40/wD+RaP+EX1f/oe/EH/fjT//AJFrMEs/hX4g6HpEd/eXlnrdvcK63lw0zJNCofepYkruBIKjjpgCu3oA5v8A4RfV/wDoe/EH/fjT/wD5Fo/4RfV/+h78Qf8AfjT/AP5FrpKKAOb/AOEX1f8A6HvxB/340/8A+RaP+EX1f/oe/EH/AH40/wD+Ra6SigDzvxp4c1SHQbZpPGmuTg6tpqhJIbEAE30ADfLbA5UkMO2QMgjIPQf8Ivq//Q9+IP8Avxp//wAi0ePP+Rdtf+w1pX/pwt66SgDm/wDhF9X/AOh78Qf9+NP/APkWj/hF9X/6HvxB/wB+NP8A/kWukooA5v8A4RfV/wDoe/EH/fjT/wD5Fo/4RfV/+h78Qf8AfjT/AP5FrpKKAOb/AOEX1f8A6HvxB/340/8A+RaP+EX1f/oe/EH/AH40/wD+Ra6SigDm/wDhF9X/AOh78Qf9+NP/APkWj/hF9X/6HvxB/wB+NP8A/kWud8X3K6b4k0yKz8VTxa9c30e2zku9luYCx3BovugbQQCfmYjjJNa/j+SwstHlvtZ8RXmkxJGVtltLkws0uCc/Ly56fKeBjpQBb/4RfV/+h78Qf9+NP/8AkWj/AIRfV/8Aoe/EH/fjT/8A5FrH1DxdqHh34aaNc3Mtvfa3qCw20ToweJpnHLkr1AAJOOpHHWr/AINm0+a5ulXXtS1TVYVVbxL7zYPLJ5ytuwUID2IXpxk0AWf+EX1f/oe/EH/fjT//AJFo/wCEX1f/AKHvxB/340//AORa6SigDm/+EX1f/oe/EH/fjT//AJFo/wCEX1f/AKHvxB/340//AORa6SigDm/+EX1f/oe/EH/fjT//AJFo/wCEX1f/AKHvxB/340//AORa6SigDhNT0a+07xb4PlvPEuqaqjatKohvI7VUU/YLs7h5UKNnjHJxyeOmO7rm/FH/ACMXgz/sNSf+m+8rpKACiiigArm/C/8AyMXjP/sNR/8Apvs66Sub8L/8jF4z/wCw1H/6b7OgDpKKKKACiiigDmPHPhWbxNptpJptwlrqumXKXljNICU8xf4Wx/Cf6D6Vk+Jz4l8T+Cr3Q5PC01ve3cYjab7ZA1upyDuB378cdNma72oIL21upZo7W5hmkgYLKkcgYxn0YDofrQB5/rXhC8h1nSdTXw5p/iSGHS49PuLKcxgxFCSJIzINv8RB6HGKNY0LVYJPDTaT4YRYrLUft09rpzW8UcClSuwbmTc/OScYJzzjFej0UAeZ6r4b1zxBe+MbZ9HktIdVW1azuLmWF43a3wdrqrlgGKjt0JzjpWjo3h6W4t5zJ4M0nwzcfZpITLbrCzzMylflZBlU5ycnPQetd3UMV5bTXM9tDcRST2+3zokcFotwyu4dRkcjPWgDzC50TxQ3w00DRR4dla7066t2kVLuDlYWBLZLgfN2AJPXOOM7kVr4l0DxZqt1pejLqVhrTR3GHukhe0mCBGD5zuXgcrnHvXZTXtrb3EMFxcwxTTnbFG8gVpD1woPJ/Cp6AIrVZktIlupFlnCDzHUYDNjkgdhmpaKKACiiigArm7H/AJKnrv8A2BdN/wDR99XSVzdj/wAlT13/ALAum/8Ao++oA6SiiigArL1vQo9chijlv9RshExYNYXbwFs9iV6itSigDjvG2jX8nw2utB0S1vdWuLiHyEeW5QuOc7neRgT+GT0+taF1qGt2fhK2k0vQJ7jUiixm0knhUw4GCzHftI4zgNzkdOcdDRQBynh6TW3t57G48PXGjh4ndr+4vIZnkmPG4iMnJ784AAAHYVg2fhjVbmLw1b3ehfY9S0W4jebWBcRskyKcy4w3mMZechlHLE59fSaKAOX8SaPfeMNA8QaBfWa2VvIqrZXfnB/OIAcMVHKgOAMHqKpLpeteJPEWg3uu6b/Z0Wih5pN00cn2m4ZQoKBCcIPmOWwenFdrRQBjXOn3N54ysruaPFlp9s7RNuHzzyHaeM5+VAe3/LTvg4yvFum32t3Is9P8PWjTBdsetX6xOtsD1aJclyw7ZCjPciuuooA4a78D/wBiWnhifwzB9ol8OSPtgd1VriOVSs3JwN5zu5wM56VoeHNGvP8AhKNY8S6rbfY59QWKCC1Z1dooox/EVyNzMScAkAY5NdTRQAUUUUAFc3ff8lT0L/sC6l/6Psa6Subvv+Sp6F/2BdS/9H2NAHSUUUUAFZet6FHrkMUct/qNkImLBrC7eAtnsSvUVqUUAcd420a/k+G11oOiWt7q1xcQ+Qjy3KFxznc7yMCfwyen1rQutQ1uz8JW0ml6BPcakUWM2kk8KmHAwWY79pHGcBucjpzjoaKAOT8P3euQ288EvhSazKxPN511qELtdT9gTHnBb1OAAABwAKhl0y+8T6zoeo6hoLaLPplx58k000UjsNjL5SGNjlSSCS2Pu9Oa7KigDlvEukX/AIw8P+INAvLRbGCRUWyuzMHE5GH3FQMqA4A9SKpvpus+Jda8P3Or6W2lnR5WuJ5WmjfzpNm3bHsYnYSckttPAGK7WigDiry01eT4t2GqR6JctptvZSWj3XnQAbnYNuC+Zu2jHPGfQGtu71PWYtUntLfw69zbeWDBeLdxBGYjkOpIZQPUBs+lbVFAHHT2ms+FvCdho3hrSZdScKVmngmih8nJLMVEjDkljtHIHfOMHU8Lz6g1q1teeHX0SC3UCJZLqOZpCc5PyE/UknJJ/Gt2igAooooAK5u+/wCSp6F/2BdS/wDR9jXSVzd9/wAlT0L/ALAupf8Ao+xoA6SiiigArDk8LRSa8NVOrayriQSfZl1CQW/GOPLztxxyK3KKAOL8QW2sXHxK8O39polzcWGmLcJNcrNAoPnIqgqrSBiF288D2zVnxVd69JeJYaf4audS00ruuJI7uCLzv+meHcHb/e456dM11dFAHFa1pms+INL0nVE0hdP1PSL9bmGwluEfzYwNrLvX5VJBOOcDAz7TWem6lceL7zxXLpbWcqaX9it7GWaPzJ23mTLshZV5AUcnuT6V19FAGBJq2uxwaeZvC8lwLmHN7Hb3kJa2fA+TDlQ45PIPbpWfo2l6j4T0DUZtN0eO6uL3UXvF0yC4WIQo+1Sqs3y5AXdjgZJAPeuvooA5bStGmn8bS+JZdN/sovYfZGgdkMszFw5d9hK8bcDkk5PTir40+5ufGp1G5j22tnZ+TaEsDveRsytjPGAkYGfVq2qKAOKOl6z4b8Sa9eaHpp1GHWgk0ZWaNPs9wFKnfuIyh4OV3HqMVt+D/D6+FfCGnaKsgkNrFh3A4ZySzEe24mtqigAooooA5vx5/wAi7a/9hrSv/Thb10lc348/5F21/wCw1pX/AKcLeukoAKKKKACiiigDi/E1trFx8QPDV9Y6Jc3VlpbztPOk0Cg+bFsG0NIGOCcnge2a6aW51BNct7aLTxJYPC7S3nngGJwRtXZ1Oeee2KvUUAcW1trB+L8erDRLn+zF0xtPN150GNxlD79vmbtuBjpn2q/rUup6g2oaPP4V+22UseyG6a5iMMm5ed6sQ64JPRW6cV0tFAHH2/w9t/7K0mC51bVYrnTrFLPzbG9e3DgYzwp7kD8h6VS8K+HdW8H6Rrlzb217qV7LqEz29nc6iMTRGXKvuJIV2UkknBJHOK72igDnrewuNW8R2Wt6hpzacbG3kihildGlZpNu4sULKFAXAGTncTxjnoaKKACiiigAooooA5v4cf8AJLPCn/YFs/8A0QldJXN/Dj/klnhT/sC2f/ohK6SgAooooAKKKKAMPVvC0Wr6it5Jq2s2rKoXyrPUJIYzjvtU4zWR4+tdXv7zw+uk6LcX6WGqRX88kc0KAKgcFAHdSW+bPTHvXZ0UAZGqalqdrc20dr4fm1K1mQ+e8VxErwnjAKOyhgeejdu9crN8PprjwPq1hAkFld3monU7W3Q5jtnBUqmQMYOznAwCxx0r0GigDkINM1TXvGul65q+nNpkOj20qwwySxyPJNKArsNhICBRgZIJz0FdfRRQAUUUUAFFFFAHN+PP+Rdtf+w1pX/pwt66Sub8ef8AIu2v/Ya0r/04W9dJQAUUUUAFFFFABRRRQBxHiKw1Xxno13omoeGzYs022G/kuYpY41DcSptO8PgcLtHXBOK29UvtSGoSWP8AwjL6lp8kP/HwtxDtLHOUeNyCB05G7r0rcooA8+fwLfaf4R8PRaf5U2oaFem8SDfhJFZ2Z4lY9MB8KT/dGa19K0q9vPHU/ie+sX0wf2cLCO2lkR5JP3m8u2wsoxwAMk9enSuqooAKKKKACiiigAooooA5vxR/yMXgz/sNSf8ApvvK6Sub8Uf8jF4M/wCw1J/6b7yukoAKKKKACub8L/8AIxeM/wDsNR/+m+zrpK5vwv8A8jF4z/7DUf8A6b7OgDpKKKKACsXxPeTQ6bHY2LlL7U5RaQMvWPcCXk/4AgZvqAO9bVcnd+G7vW/GbXXiPTdJvtGhgMVnDK7StGxOWkMbR7SzYUdflA4zk0AVvhnqNwNJu/DeqSF9R8Pz/ZHZuskXWJ/oV4/Cs7RNVtfDmrfEPU7iM/Z7O6jlZIl5OIQcAepNWP8AhDNU0X4iR614QsNFsdMa2Ftd2olaHzxnO4IkRVWB6HJzjtmqd7Y6v4bsfGmqaxJpdtbawMwSJM0pjkKiJFdHjVSDkEnOB3BHIANi38Ya2/ibStJu/D9pAmpwNcRzjUy+2NcFhgQ/fAYHGcH+9TLj4gyxaI/iKHRjP4dSUq12lz++KB9hlEO3lMg/xA45xWN4btNT8OazYtNa6BdRzMtnG1nqdzPPHEf+eazbgFGNxCkDA9qu23gjXbTwpc+Do7mxfQ5WdIrtnf7RDA7Fmj8vbtZuSA28fTtQBpXXjW/bxFdaPomg/wBpTQ2kd3G/21YlljdsZyRx0yPX2qrf+KZbZfG0mlaPa2+paLAkks8kgH2keSXVm2rklUHAJ9sjrVjTfDmsaf8AEafVki09dJksY7FFFzIZkWPJVtpjwSScEbuBzk9DWj8Ja3c6n40a/wD7PhtfEdt5MLQ3Du8RWHyl3AxgYIO44PBGOetAGJfXWozSfDm+1C0jlvmkJXybjzGmBtsgszKuCSSSOQPU10Unj26ttD8QXV5oZjvdBcC4tUugyspQOrLJtHVT02/nWe/hbxa3/CJl00VzoLZcC6lTzB5fl4H7s9stnjrjHGSzU/Cniy+TxdGkGiqniEIsbG+lzAFjEfI8n5sqM9sH1oA1pPGmow69Y6bN4dYHU7eSWwZbxCZGQKWVxjCABs5yeO2eK1PC3iN/ENvfC6shYXmn3j2lxAJhKAygHcGwMghh2HesS40HxPceJvC+qG30lU0eCWKdBeykuZFVGK/uewUEZ6kkcdat+DtD1vSNW1251mOwWPVLv7WgtLl5DGcBdp3Rrngdf0oA6yiiigArm7H/AJKnrv8A2BdN/wDR99XSVzdj/wAlT13/ALAum/8Ao++oA6SiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAK5u+/5KnoX/AGBdS/8AR9jXSVzd9/yVPQv+wLqX/o+xoA6SiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAK5u+/5KnoX/YF1L/0fY10lc3ff8lT0L/sC6l/6PsaAOkooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAOb8ef8i7a/8AYa0r/wBOFvXSVzfjz/kXbX/sNaV/6cLeukoAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDm/hx/ySzwp/2BbP8A9EJXSVzfw4/5JZ4U/wCwLZ/+iErpKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDm/Hn/Iu2v/Ya0r/04W9dJXN+PP8AkXbX/sNaV/6cLeukoAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDm/FH/IxeDP+w1J/6b7yukrm/FH/ACMXgz/sNSf+m+8rpKACiiigArhNMufEcPi3xguh6Vpd5b/2tEWkvNTkt3DfYLTICrBICMY5yOp44ye7rm/C/wDyMXjP/sNR/wDpvs6AD7d43/6F7w//AOD6f/5Do+3eN/8AoXvD/wD4Pp//AJDrU1xtRTRbmTRZrWC8jQvG13A0sfHJBVXU89M5464PSvMU+JninSvh1ovjnXE0e80u/eIXVpaW0sE0CyNtyjNK4kI4+XauaAO6+3eN/wDoXvD/AP4Pp/8A5Do+3eN/+he8P/8Ag+n/APkOtK98R6HpuoQ2Go6zp9peT48q2nukSSTPTapOT+FLfeIdF0x5U1LV7CzaFBJItxcpGUUkAMcngZIGfUigDM+3eN/+he8P/wDg+n/+Q6ZNceM7iF4p/DXh2WNxhkfXJirD0INnzSab8QPDuta/qujWGsWX2nTgFc/aEJZtpLlV7hOAT0ByDjFXtK1CHT/CNteaz4is9QjjizNq7GOGGbn7/B2KO3BoAxtOsPEOkO76T4J8JWLSffa21aSMt9dtkM1f+3eN/wDoXvD/AP4Pp/8A5DrK+JHiyaw+EeqeJPB2q2zyQRq8F3BsuI2y4U4PKnr711eqa5pOhxRy61qdnp0cjbUe7uEiDH0BYjJoAyft3jf/AKF7w/8A+D6f/wCQ6Pt3jf8A6F7w/wD+D6f/AOQ66KORJY1kiZXRwGVlOQwPQg1xGjeKdf8AE9zrFxobaQkGl3s1l/Ztysn2iRozty8gbEO4gkDy34wc9qANX7d43/6F7w//AOD6f/5Do+3eN/8AoXvD/wD4Pp//AJDqa08W6XFFptrr2p6dputXdtFK2nTXSRyh2XkBGO485H4U+38a+Fry0ubq08S6PPb2ihrmaK/iZIQTgF2DYUE8DNAFb7d43/6F7w//AOD6f/5Do+3eN/8AoXvD/wD4Pp//AJDq9c+LPDtkto15r+l24vkElqZbyNftCHoyZPzA5GCM1Pe69pGmsy6jqtlaMkRmYT3CIVjBALnJ+7kjnpzQBlfbvG//AEL3h/8A8H0//wAh0fbvG/8A0L3h/wD8H0//AMh1fn8UeH7WCaa61zTYYoAhmeS7jVYw+dhYk8bsHGeuDiphr2kHUILAarZfbLmPzYLb7QnmSp13Kucke44oAyvt3jf/AKF7w/8A+D6f/wCQ65+zvPGP/CydZZdC0M3B0mwDxnWpgir515tIb7LkkktkYGMDk5IHolc3Y/8AJU9d/wCwLpv/AKPvqAD7d43/AOhe8P8A/g+n/wDkOj7d43/6F7w//wCD6f8A+Q66SigDm/t3jf8A6F7w/wD+D6f/AOQ6Pt3jf/oXvD//AIPp/wD5DrpKKAOb+3eN/wDoXvD/AP4Pp/8A5Do+3eN/+he8P/8Ag+n/APkOpfG2uXvhvwhf6tp0FvNLax79s7MF9Og69emR9atXt7qX9j20mlW0U17dbAvmkiKLK7iz4ydoAPHckDIzmgCh9u8b/wDQveH/APwfT/8AyHR9u8b/APQveH//AAfT/wDyHVDTvFuq6fqGtaf4wtrRZdLsRqK3NgGEc0HzZ+ViSCChHXnBqL/hLtZsLPRdY1iKwOlaxLFH5VujiW080ZjLOWIk7A4VcZ4zQBqfbvG//QveH/8AwfT/APyHR9u8b/8AQveH/wDwfT//ACHW9eXlvp9jNeXsqw28CGSWRjwqgZJNc/oGr674heLU0t7XT9Em+eCOdGe5njI+V+GCx54IHzHFADvt3jf/AKF7w/8A+D6f/wCQ6Pt3jf8A6F7w/wD+D6f/AOQ6xf8AhNtWmsLzV7X+zmtrTUDZNpZjc3TES+X9/fgOfvBdh471Z8a+Nn0PWLHRtN1DSLK/uVMrSasJPJC5wFymMMSSck4wp9RQBo/bvG//AEL3h/8A8H0//wAh0fbvG/8A0L3h/wD8H0//AMh1JPceJxpVlBbR6ZLqsys09yVkFpEBjoM7iTkADIzhjnjFR+Edf1PVZNU0/X7SC31LSrkQTNbEmKUMgdXXPIyD0NAB9u8b/wDQveH/APwfT/8AyHR9u8b/APQveH//AAfT/wDyHXSUUAc39u8b/wDQveH/APwfT/8AyHXP3l54x/4WTozNoWhi4Gk34SMa1MUZfOs9xLfZcgghcDBzk8jAB9Erm77/AJKnoX/YF1L/ANH2NAB9u8b/APQveH//AAfT/wDyHR9u8b/9C94f/wDB9P8A/IddJRQBzf27xv8A9C94f/8AB9P/APIdH27xv/0L3h//AMH0/wD8h10lFAHN/bvG/wD0L3h//wAH0/8A8h0fbvG//QveH/8AwfT/APyHUvjbXL3w34Qv9W06C3mltY9+2dmC+nQdevTI+tWr291L+x7aTSraKa9utgXzSRFFldxZ8ZO0AHjuSBkZzQBQ+3eN/wDoXvD/AP4Pp/8A5Do+3eN/+he8P/8Ag+n/APkOoPDviDWn8SahoPii3s0urW3S7iurLcIpYmLL91iSpBUjr2NGleIdX8U3RuvD0dnBoUcpjW9u0eR7vacMY0VlwuQQGJP0oAn+3eN/+he8P/8Ag+n/APkOj7d43/6F7w//AOD6f/5DrR8R65b+GvDl9rF4C0VpEZCqnlz0Cj6kgfjWJbeItZ07XNHsfE8dkF1lHEJtUdTbTKu7yn3Md2RnDDbyMY70AWvt3jf/AKF7w/8A+D6f/wCQ6Pt3jf8A6F7w/wD+D6f/AOQ6xH8c6sfCp8YwQ2T6Cspza7H+0GASbDJ5m7bnjds29P4s10XifxH/AGL4fku7CJbu7kgeW2hJwGCpuLt6KByT9AOSKAIPt3jf/oXvD/8A4Pp//kOj7d43/wChe8P/APg+n/8AkOquteNBovw9sdcu5LaC6voYBGZVcwrJIoOWC5bYuSTjnAxnJq94Qv8AV9U0tr3V73Rr2KUg20mkCTYV77i7HnPbjGKAI/t3jf8A6F7w/wD+D6f/AOQ6Pt3jf/oXvD//AIPp/wD5DrpKKAOb+3eN/wDoXvD/AP4Pp/8A5Drn7y88Y/8ACydGZtC0MXA0m/CRjWpijL51nuJb7LkEELgYOcnkYAPolc3ff8lT0L/sC6l/6PsaAD7d43/6F7w//wCD6f8A+Q6Pt3jf/oXvD/8A4Pp//kOukooA5v7d43/6F7w//wCD6f8A+Q6Pt3jf/oXvD/8A4Pp//kOukooA5v7d43/6F7w//wCD6f8A+Q6Pt3jf/oXvD/8A4Pp//kOl1PxBfWHjzQ9FWC3NnqaXDGUsxkBiQN04A5YevQ9Kk1u48TvcPD4Xt9PQQoGebURIVlY9EQKR07sTjkDBwcAEX27xv/0L3h//AMH0/wD8h0fbvG//AEL3h/8A8H0//wAh1mf8J7cS+AdK1sWsFlc6hdrZv9qcmG1fzGRncjGVBQ45HUcjrWvoWr6lPr2paTqn2W5azjikF5ZxNHG2/d8hVmbDAAH7x4YHigCP7d43/wChe8P/APg+n/8AkOj7d43/AOhe8P8A/g+n/wDkOneJteudM1PR9MsXtLebVJZEW6vFLRx7Fzt2hl3M2cAbh0NQWHiyWDRNcvNeWLbo0zxvc2qMI7kKobKKSSDk7SMn5gRmgCX7d43/AOhe8P8A/g+n/wDkOj7d43/6F7w//wCD6f8A+Q6zfBXibWfEUcuo3GoaBe6akZPl6XHMZ0fqFYOeOM/w5PGKS78R+K9H1PS59X0/TTpWpXkdp5Vuz/aLVpDhC7H5W54OAPbPWgDT+3eN/wDoXvD/AP4Pp/8A5Do+3eN/+he8P/8Ag+n/APkOq/iPVfFtrHe32g2OnGysFLNFe+YJroKMsUwQFHUAnOSM8DGeg0fUV1jQ7DU442jS9to7hUY5Kh1DYP50AY/27xv/ANC94f8A/B9P/wDIdH27xv8A9C94f/8AB9P/APIddJRQB5340vPGLaDbC60LQ40/tbTSGj1qZyW+3QbRg2o4LYBOeAScHGD0H27xv/0L3h//AMH0/wD8h0ePP+Rdtf8AsNaV/wCnC3rpKAOb+3eN/wDoXvD/AP4Pp/8A5Do+3eN/+he8P/8Ag+n/APkOukooA5v7d43/AOhe8P8A/g+n/wDkOj7d43/6F7w//wCD6f8A+Q66SigDm/t3jf8A6F7w/wD+D6f/AOQ6Pt3jf/oXvD//AIPp/wD5DrMuvF2sXEevajoVvZSaboUrwyxzq3m3bRqGlCMGATGcAkNkjtXWWGp22o6Nb6pbP/otxAs6Mf7hXdz+FAGN9u8b/wDQveH/APwfT/8AyHR9u8b/APQveH//AAfT/wDyHWI3jnVovC0PjGSGyOgySgvbKj/aI4C+wS7920noSm3p/FWnfeItRn8VX2j6Xd6XYfYbRLln1CNpDOG3HKhXTai7eW+bBPSgCx9u8b/9C94f/wDB9P8A/IdH27xv/wBC94f/APB9P/8AIdKviK+n+HY8QxWEcN19hN0ba4dgq4UsRnGSOOOB1FS2OqarqvgTT9T0+G2Op31lDMqyZEKO6KSSM7toyTgHJxj3oAh+3eN/+he8P/8Ag+n/APkOj7d43/6F7w//AOD6f/5DqnY6j4vh8YWOl6xLos9vPBLPN9itpleNFwAcs5AyzDscgNXYUAc39u8b/wDQveH/APwfT/8AyHR9u8b/APQveH//AAfT/wDyHXSUUAc39u8b/wDQveH/APwfT/8AyHR9u8b/APQveH//AAfT/wDyHXSUUAed+Abzxivw28NLZ6FoctuNJtRFJLrUyOy+SuCyi1YKSOoBOPU9a6D7d43/AOhe8P8A/g+n/wDkOj4cf8ks8Kf9gWz/APRCV0lAHN/bvG//AEL3h/8A8H0//wAh0fbvG/8A0L3h/wD8H0//AMh10lFAHN/bvG//AEL3h/8A8H0//wAh0fbvG/8A0L3h/wD8H0//AMh10lFAHN/bvG//AEL3h/8A8H0//wAh0fbvG/8A0L3h/wD8H0//AMh10lc54q8QX2hXuhJawW8kGpanFZSvIzbl3hjlQOOinknv0oAT7d43/wChe8P/APg+n/8AkOj7d43/AOhe8P8A/g+n/wDkOtPVzrLIkegizjkYEtPeKzouMYGxSCSc9cgDHeubt/Hk8Pw4l8Q6rYKt3FK9ssELHZcSiTy12E87WbvzgZ64oA0ft3jf/oXvD/8A4Pp//kOj7d43/wChe8P/APg+n/8AkOorPX9VsPFVlofiUWbyalbyTWk1mjooaPBeNgzNnAIIYEZ54FdTQBzf27xv/wBC94f/APB9P/8AIdH27xv/ANC94f8A/B9P/wDIddJRQBzf27xv/wBC94f/APB9P/8AIdH27xv/ANC94f8A/B9P/wDIddJRQB5340vPGLaDbC60LQ40/tbTSGj1qZyW+3QbRg2o4LYBOeAScHGD0H27xv8A9C94f/8AB9P/APIdHjz/AJF21/7DWlf+nC3rpKAOb+3eN/8AoXvD/wD4Pp//AJDo+3eN/wDoXvD/AP4Pp/8A5DrpKKAOb+3eN/8AoXvD/wD4Pp//AJDo+3eN/wDoXvD/AP4Pp/8A5DrpKKAOb+3eN/8AoXvD/wD4Pp//AJDo+3eN/wDoXvD/AP4Pp/8A5DrpKKAOb+3eN/8AoXvD/wD4Pp//AJDo+3eN/wDoXvD/AP4Pp/8A5DrK8R+JvFehWM2vLpunvotvIPMtXMguzFu2+Zn7oPfbg8d88Vu+I7nxBb280ugjTo0t4TK734dhIQCdoCkbeB94569OKAK/27xv/wBC94f/APB9P/8AIdH27xv/ANC94f8A/B9P/wDIdNHjS3tfANp4l1W2ltjcwRstoozI8j/djUdySePbmr2hyeIbjNxr8dhaRyJmOztwzyRH/blJ2njjAXr3oAp/bvG//QveH/8AwfT/APyHR9u8b/8AQveH/wDwfT//ACHXSUUAc39u8b/9C94f/wDB9P8A/IdH27xv/wBC94f/APB9P/8AIddJRQBzf27xv/0L3h//AMH0/wD8h0fbvG//AEL3h/8A8H0//wAh10lFAHCanc+I5vFvg9dc0rS7O3/taUrJZ6nJcOW+wXeAVaCMAYzzk9Bxzkd3XN+KP+Ri8Gf9hqT/ANN95XSUAFFFFABXN+F/+Ri8Z/8AYaj/APTfZ10lc34X/wCRi8Z/9hqP/wBN9nQBo+I9UsNH8O3t7q15BZ2yRMGmnkCKCRgDJ7k8AdzXmXwc8O+EfEnw58O30h/tS80xFLwS38s0drOCefIZyiN3B2j1FewUUAeBfEjUrG+sfiPp8BTTLuJY5J7YQNNcahsjQrOS2VjiA+UbQOmdwJroP7R8La5+0ZJb3EunXiXPhmOFYZwrCSXz3crtbq3lkNgjO056V67RQB5VpGqaZo/jT4k2esTxWjSSxXSrONq+T9lUb8ngLkYz0zgdcCuY8Ma9Z6d4I+GGt3j/AGjQNMS4g1GWIeYtlclAsUkigEjblxk9N4PpXvlFAHi/xLu/DVv8D/Ft5oSJaWusXKvHM7Mov7hmQs0at1GEP3eDsY4wMmXxFrOnj4izahq/ia803QNY0mCLTdRs4bee1nw0nmxM0kUgBO5TgYyOucKB7HRQBz3gPR7bQPA+m6ZYPfPaW6MLdtQIMxjLsU3fKuPlIwuAQMA8iuD8Sv4N1dbjXhqcnhDxXEZUhuInMFxcGNioHlkAXKNtHQNkEDIr12igDy3XBrL+AfC3jvU7Bk8RaCI7u9gSPDvA67LlNvY7GL47FcVBZ6Vqdj4wvPD8tgV03xlH/al0Ao22rKQLmFsdd6GFMjuzGvWaKAPEviFqFhPqXxA0iER6XeLoa7x5DTTaoqwO6eWGyqRoW2sVXOcncu0Gn22q+GdT+LXg+G7ubC4E/hpoTFPtO+RzHsUq3dlDYB6jp1Fe1UUAeP2uo+DY/ib8QIZ7nRlSHTLWIo7RhVMaTLMuDx8uUVh24BrkrPX/AA1Z/CT4aTpqOmRXsGu2X2l/MTzIwjYmL9wFRlyT0BX2r6NooARWV1DIQysMgg5BFc5Y/wDJU9d/7Aum/wDo++rpK5ux/wCSp67/ANgXTf8A0ffUAdJRRRQAVl62uvNDF/wjcunRSbj5pv4pHBHbGxhz9a1KKAOD+JV69l8ItSj1+7skv7i38sCIlElkyOEViSeOcc962ZvF+iaL4Ns9Yu9QgNm8SJE8cgYSvjG1T0zkH6YOcYNdHRQBxHh3XfCutPqZOqWd/e3sBk1DZu8uOBRt2biAAihjycZJY98DnLfQYPEF9pGieGtS1C+8NaZcpdT3FwytAoQ5SCJgoMnPUksFA4PavWqKAOK8dSf8JV4K8T6FoDvNqVoiJLCqMDn5ZNoJGGyoI49axbRNFvfF3hq98BJFDcDd/ai2/Gy32fcn/wBsNgAN82fpXp9FAHjGoPBJdXXiC1uV0/x3b3zoumKozcorlEj8vq4ZMHzfVjzgAD0PXdb8K3Ut54e12e3km8oNJZTRktIGHHlgj52/3MkGukooA4W2161+HvgHSLPxBexx3zRGOCK5kwepIDEZwEUqCeenGSQDp+C9U0C/t7tdB1KPUrhpPtF9cRqQHlfvnGBwuAvYKPrXT0UAFFFFABXN33/JU9C/7Aupf+j7Gukrm77/AJKnoX/YF1L/ANH2NAHSUUUUAFZetrrzQxf8I3Lp0Um4+ab+KRwR2xsYc/WtSigDg/iVevZfCLUo9fu7JL+4t/LAiJRJZMjhFYknjnHPetmbxfomi+DbPWLvUIDZvEiRPHIGEr4xtU9M5B+mDnGDXR0UAcBpmqaN4msNct9F1a3vdf1Syk81rfcVhAQoihiOFUt1PUknvgcvZWemP4b8MW/h23S08Y2M9vDPGgxcR7MCfzu/lkBj83ynIx1r2eigDiPHyx+MfBPibw/orNNqNmsfmQ+Ww+YFZQoJGCSFxx3qlfaha+N/F3hJ9Ek85NPlkvb0rn/RfkAWN+OHLHG088GvRKKAPIdT0Sy1i3m8K+AtUvZ7C+ud96InV7Kwj3bn2vtyWJyBGGI5JIFbXibRvFNnp+vXNlc6KbBrF4kWeCVpordYz8ikOFB6nOOSeeAAPRKKAOL8Pa/baF4I0CLxhf2Nu17bpHbsEZImTy1IV2bIDY65IB7VY8F6TBp+oa7daSnk6RfXKSWsQXam4JiR0HZWbp2O3I4IrrKKACiiigArm77/AJKnoX/YF1L/ANH2NdJXN33/ACVPQv8AsC6l/wCj7GgDpKKKKACsORPFf9vBorjRhpHmDKNBKbjZxn5t+3PXHGK3KKAPPvFOtaZB8X/B8E2oW0csCXiyo0qgxmSNBGG9CxHAPWtXxZ440bRLpdHuNYt7C9nTLyO3NvGf4sc/Mf4R+J469ZRQB59q+paJJ8O7K30NUuvDj3UdjeTrEXWG353vyOeQoLc4LE9RSeCJLXQr7WLPR9SGo+FbWAXUNwp80Wz5bfEJBnzMABu5HA+voVFAHBeMNS0nXtP0BNTC/wDCMaqWlnvZVKCMhQ0ILEfu9xJ+bg/LjPJpvhDWrfw54d1P+0dUN14f065SLT9TaItviYLwSo+YKzbd/Q888cd/RQBxenWmlzePX8SaBNAlg2numoXMJHkTvuVozuHyllAclh04B61RHj7whrmu20tzrduYbOb/AEK2G5mmmOV8wqB2yQo9yfTHoVFAHDeKvG3hlr2fw3qGt21om3ZqDFzuCEcxLj+I9Cewz3Ix12lXllf6TbXOlOr2UiDyGVSqlRwMAgcccVbooAKKKKAOb8ef8i7a/wDYa0r/ANOFvXSVzfjz/kXbX/sNaV/6cLeukoAKKKKACiiigDyi3uYvC3h3xl4d1At/aV1d3UthbgZe9WdP3flj+Lk4bGduOa7Lwy9t4e0vQvCl9N/xMxpwPlhCVbYAH+bGMZPrXS0UAeQXmg2OvWw8J+B9UvrrRri4Et4UkV7Kyi37mSNwuWZj0TcwHJOOtaXjG20TVvFN1ZeK7qPRBY2sbaNe5Ee5jkuQx4cqQq+XnoTxyCPTaKAOIn1mcfBme98UTR2t3Np0sbtMPK8xyrBPlOMMwwdvXnpWp8Pby2vfh1oLWk8c4i0+CJzGwbY6xqGU46EHgiujooA53w7nUNb1nW25SScWNsf+mUBKsQfeUy/gBXRUUUAFFFFABRRRQBzfw4/5JZ4U/wCwLZ/+iErpK5v4cf8AJLPCn/YFs/8A0QldJQAUUUUAFFFFAGHqyeK21FTodxo0dltG5byCV5M9+VcDH4VzfxP1jTbG98Jw3l9bwSR67b3LpJKFKxBZAZCD0UEgZ6V6BRQBzvijVPDTW8Wj+I9SW0j1FCYz9oeBZAMf8tVIHccE8+hrhbnw/qUnwpvrW1N1fW2m6qtzpizAmWWzjKEKOMn+PbxyAMcEV65RQBwMl1beL/ib4b1DQ5lurPRba6muLiM5RWmRUWMn+/wSV6jHOK76iigAooooAKKKKAOb8ef8i7a/9hrSv/Thb10lc348/wCRdtf+w1pX/pwt66SgAooooAKKKKACiiigDz7WfHvg/U9SbTdR120jsLOZWnUsT9olRgVXgfcUgE+pAHQHN/xXf+D9fg/sHxBqjWzTQLcJH50luzqwOCOgc/7Bzz2rsqKAPKNT03U5PAvhG78SC5u4tN1IS3/mqfMMG51jlcDnKqULdxk5rZ8KW1ivxE1C58IGH/hHpdPTzxaY+zG78zjZj5c7PvbfUZ5rvqKACiiigAooooAKKKKAOb8Uf8jF4M/7DUn/AKb7yukrm/FH/IxeDP8AsNSf+m+8rpKACiiigArm/C//ACMXjP8A7DUf/pvs66Sub8L/APIxeM/+w1H/AOm+zoA6Squp6jb6RpN3qV8xS2s4HuJmAztRFLMfyBq1VHW9Ki13w/qGk3LMsN/ay20jL1CuhUkfgaAOQ8MTeJvG/hu28Ry67NoSX6+daWNlbwSKkRPyea0qMXYjBO0oOce9J4c+JVv9l1a08ZSwWOpaHfrYXUkKsY5i5/dSKoyVD56HOD3qDwVq974N8I2fhrxNo2qm90uP7NFNYafLdQ3ca8I6vGpC5XGQ+0g5rk/Evhy/0z4deMfE2t2WzUPEOrafcHTwVZooY7qJYomIO0vgnODjJoA9N0/4g+GNWvL600vUvtd1Yw+fLbwwSNI8f96NduZR7puzketc9B8QNE8WfCu71rVL/U/D1hJuD3kEM0EkSeYwQxybCGbaoyU3AEke1Si3fxR8VtC1zT9PvbOz0Wyuo7m4vbOS2Mzy7AkSrIAzBcM24DbzwTXCS2mqwfss3HhaTw/rP9rQJ9jECafK5kk89nyoUElNq534C8gA54oA9f1DxjoOkas2lX1/tv47U3Rt1hkkkaMELkBVO45YfKMk88cGqC/E7we9jZ3qa0jW16wSOYQyFUYttAkO390SwI+fbyKw21lZ/jRp+orpWtiyGgSwG5fR7kIksksUqoSY+DtQ59D8p54rhrpr+X4F+LtJt9B8QDU7zV55bWD+xrlXkWS48xHHydNqkk9iADgkZAPX5b/SV8f+S2s3a6lBpbyPpgdvIMPmJmYrtwXBIUHOcE8VWT4j+HHu7C2ZtUik1GVYbTz9FvIlmYjICs0QHTnOcAAnoK5z+1TL8drbV10rW/7P/wCEae2Nw2kXIUStKkwQkp12A8f3vl+9xUXh/Xf7T8TnxHrmj66NUmlFlplhLo12kenW7OFLvIYtgdvvu2cBQFB4OQDsG8feG11hNMOot573X2JZPs0vkG4/54+dt8vzM8bd2c8YqlpfxBsdS8a65oItr2IaSsatK9hMFLlWd8tt2qNu3bnG7kruBFee38esajHDNdeH9bt7rT/FUFzJY2ViY7RYVugfOUKB57MvzMx3YOT8vBrrNGlutB+Knja7v9I1M2upJZ3UFxBaPKhSK22OMrnLhhjYuWORgYyQAbuga5oOm+ArLUYdeudR0skrDqF87SzXBMhAH3Qztu+VQBk4GM1ZtPG/h69stQuYr8oumDdexTwSQzWwIyC8TqHUEcjK815T4Z0zXLb4W+Ar1NE1JpvDGpO+o6ZNaSRTlGEil40cDzColBG3OeQDkEVva7azarrfiXxbZabqkdk/hh9JSJtPmWe8uHclSINvmYXIXcVH3j/CpNAHa6f4+8M6pqNhY2OprJPqUHn2eYZFWddu/CuVClgpyUzuHcCuirxm2vZYdB+FcT6Jrol0gxC+UaLdE2+20eFt37v++R06jnpXs1ABXN2P/JU9d/7Aum/+j76ukrm7H/kqeu/9gXTf/R99QB0lFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVzd9/yVPQv+wLqX/o+xrpK5u+/5KnoX/YF1L/0fY0AdJRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFc3ff8lT0L/sC6l/6Psa6Subvv8Akqehf9gXUv8A0fY0AdJRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAc348/5F21/7DWlf+nC3rpK5vx5/yLtr/wBhrSv/AE4W9dJQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHN/Dj/klnhT/sC2f/AKISukrm/hx/ySzwp/2BbP8A9EJXSUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHN+PP+Rdtf8AsNaV/wCnC3rpK5vx5/yLtr/2GtK/9OFvXSUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBzfij/AJGLwZ/2GpP/AE33ldJXN+KP+Ri8Gf8AYak/9N95XSUAFFFFABXN+F/+Ri8Z/wDYaj/9N9nXSVzfhf8A5GLxn/2Go/8A032dAHSUUUUAFYHjHwlD400UaVeanqFhbGVJX+wtGrSFGDrkujYwyg8Y5Fb9FAEVpC9vZxQzXMt3JGoVp5goeQ/3iEVVyfYAe1S0UUAFFFFABRRRQAUUUUAFFFFABRRRQAVzdj/yVPXf+wLpv/o++rpK5ux/5Knrv/YF03/0ffUAdJRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFc3ff8lT0L/sC6l/6Psa6Subvv8Akqehf9gXUv8A0fY0AdJRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFc3ff8AJU9C/wCwLqX/AKPsa6Subvv+Sp6F/wBgXUv/AEfY0AdJRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAc348/5F21/7DWlf+nC3rpK5vx5/wAi7a/9hrSv/Thb10lABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAc38OP+SWeFP8AsC2f/ohK6Sub+HH/ACSzwp/2BbP/ANEJXSUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHN+PP8AkXbX/sNaV/6cLeukrm/Hn/Iu2v8A2GtK/wDThb10lABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAc34o/5GLwZ/2GpP/TfeV0lc34o/5GLwZ/2GpP8A033ldJQAUUUUAFc34X/5GLxn/wBhqP8A9N9nXSVxttc6xoPiTxIy+FdU1K31DUI7qC4s5rQIyi0t4iCJJ0YENE3b0oA7Kiub/wCEo1f/AKETxB/3/wBP/wDkqj/hKNX/AOhE8Qf9/wDT/wD5KoA6Siub/wCEo1f/AKETxB/3/wBP/wDkqj/hKNX/AOhE8Qf9/wDT/wD5KoA6Siub/wCEo1f/AKETxB/3/wBP/wDkqj/hKNX/AOhE8Qf9/wDT/wD5KoA6Siub/wCEo1f/AKETxB/3/wBP/wDkqj/hKNX/AOhE8Qf9/wDT/wD5KoA6Siub/wCEo1f/AKETxB/3/wBP/wDkqj/hKNX/AOhE8Qf9/wDT/wD5KoA6Siub/wCEo1f/AKETxB/3/wBP/wDkqj/hKNX/AOhE8Qf9/wDT/wD5KoA6Siub/wCEo1f/AKETxB/3/wBP/wDkqj/hKNX/AOhE8Qf9/wDT/wD5KoA6Siub/wCEo1f/AKETxB/3/wBP/wDkqj/hKNX/AOhE8Qf9/wDT/wD5KoA6Subsf+Sp67/2BdN/9H31H/CUav8A9CJ4g/7/AOn/APyVWRbanr0PjTUtXbwPrht7rT7S1RRcWG8NFJcMxI+04xiZcc9j04yAd3RXN/8ACUav/wBCJ4g/7/6f/wDJVH/CUav/ANCJ4g/7/wCn/wDyVQB0lFc3/wAJRq//AEIniD/v/p//AMlUf8JRq/8A0IniD/v/AKf/APJVAHSUVzf/AAlGr/8AQieIP+/+n/8AyVR/wlGr/wDQieIP+/8Ap/8A8lUAdJRXN/8ACUav/wBCJ4g/7/6f/wDJVH/CUav/ANCJ4g/7/wCn/wDyVQB0lFc3/wAJRq//AEIniD/v/p//AMlUf8JRq/8A0IniD/v/AKf/APJVAHSUVzf/AAlGr/8AQieIP+/+n/8AyVR/wlGr/wDQieIP+/8Ap/8A8lUAdJRXN/8ACUav/wBCJ4g/7/6f/wDJVH/CUav/ANCJ4g/7/wCn/wDyVQB0lFc3/wAJRq//AEIniD/v/p//AMlUf8JRq/8A0IniD/v/AKf/APJVAHSVzd9/yVPQv+wLqX/o+xo/4SjV/wDoRPEH/f8A0/8A+SqyLnU9em8aabq6+B9cFva6fd2rqbiw3lpZLdlIH2nGMQtnnuOvOADu6K5v/hKNX/6ETxB/3/0//wCSqP8AhKNX/wChE8Qf9/8AT/8A5KoA6Siub/4SjV/+hE8Qf9/9P/8Akqj/AISjV/8AoRPEH/f/AE//AOSqAOkorm/+Eo1f/oRPEH/f/T//AJKo/wCEo1f/AKETxB/3/wBP/wDkqgDpKK5v/hKNX/6ETxB/3/0//wCSqP8AhKNX/wChE8Qf9/8AT/8A5KoA6Siub/4SjV/+hE8Qf9/9P/8Akqj/AISjV/8AoRPEH/f/AE//AOSqAOkorm/+Eo1f/oRPEH/f/T//AJKo/wCEo1f/AKETxB/3/wBP/wDkqgDpKK5v/hKNX/6ETxB/3/0//wCSqP8AhKNX/wChE8Qf9/8AT/8A5KoA6Siub/4SjV/+hE8Qf9/9P/8Akqj/AISjV/8AoRPEH/f/AE//AOSqAOkrm77/AJKnoX/YF1L/ANH2NH/CUav/ANCJ4g/7/wCn/wDyVWRc6nr03jTTdXXwPrgt7XT7u1dTcWG8tLJbspA+04xiFs89x15wAd3RXN/8JRq//QieIP8Av/p//wAlUf8ACUav/wBCJ4g/7/6f/wDJVAHSUVzf/CUav/0IniD/AL/6f/8AJVH/AAlGr/8AQieIP+/+n/8AyVQB0lFc3/wlGr/9CJ4g/wC/+n//ACVR/wAJRq//AEIniD/v/p//AMlUAdJRXN/8JRq//QieIP8Av/p//wAlUf8ACUav/wBCJ4g/7/6f/wDJVAHSUVzf/CUav/0IniD/AL/6f/8AJVH/AAlGr/8AQieIP+/+n/8AyVQB0lFc3/wlGr/9CJ4g/wC/+n//ACVR/wAJRq//AEIniD/v/p//AMlUAdJRXN/8JRq//QieIP8Av/p//wAlUf8ACUav/wBCJ4g/7/6f/wDJVAHSUVzf/CUav/0IniD/AL/6f/8AJVH/AAlGr/8AQieIP+/+n/8AyVQAePP+Rdtf+w1pX/pwt66SuE8S6nr2s6TDa2vgfXEePULK6JkuLADbDdRTMOLk8lYyB746da1/+Eo1f/oRPEH/AH/0/wD+SqAOkorm/wDhKNX/AOhE8Qf9/wDT/wD5Ko/4SjV/+hE8Qf8Af/T/AP5KoA6Siub/AOEo1f8A6ETxB/3/ANP/APkqj/hKNX/6ETxB/wB/9P8A/kqgDpKK5v8A4SjV/wDoRPEH/f8A0/8A+SqP+Eo1f/oRPEH/AH/0/wD+SqAOkorm/wDhKNX/AOhE8Qf9/wDT/wD5Ko/4SjV/+hE8Qf8Af/T/AP5KoA6Siub/AOEo1f8A6ETxB/3/ANP/APkqj/hKNX/6ETxB/wB/9P8A/kqgDpKK5v8A4SjV/wDoRPEH/f8A0/8A+SqP+Eo1f/oRPEH/AH/0/wD+SqAOkorm/wDhKNX/AOhE8Qf9/wDT/wD5Ko/4SjV/+hE8Qf8Af/T/AP5KoA6Siub/AOEo1f8A6ETxB/3/ANP/APkqj/hKNX/6ETxB/wB/9P8A/kqgA+HH/JLPCn/YFs//AEQldJXCeE9T17QfBeiaReeB9ce40/T4LWVoriwKMyRqpKk3IOMjjIFa/wDwlGr/APQieIP+/wDp/wD8lUAdJRXN/wDCUav/ANCJ4g/7/wCn/wDyVR/wlGr/APQieIP+/wDp/wD8lUAdJRXN/wDCUav/ANCJ4g/7/wCn/wDyVR/wlGr/APQieIP+/wDp/wD8lUAdJRXN/wDCUav/ANCJ4g/7/wCn/wDyVR/wlGr/APQieIP+/wDp/wD8lUAdJRXN/wDCUav/ANCJ4g/7/wCn/wDyVR/wlGr/APQieIP+/wDp/wD8lUAdJRXN/wDCUav/ANCJ4g/7/wCn/wDyVR/wlGr/APQieIP+/wDp/wD8lUAdJRXN/wDCUav/ANCJ4g/7/wCn/wDyVR/wlGr/APQieIP+/wDp/wD8lUAdJRXN/wDCUav/ANCJ4g/7/wCn/wDyVR/wlGr/APQieIP+/wDp/wD8lUAHjz/kXbX/ALDWlf8Apwt66SuE8S6nr2s6TDa2vgfXEePULK6JkuLADbDdRTMOLk8lYyB746da1/8AhKNX/wChE8Qf9/8AT/8A5KoA6Siub/4SjV/+hE8Qf9/9P/8Akqj/AISjV/8AoRPEH/f/AE//AOSqAOkorm/+Eo1f/oRPEH/f/T//AJKo/wCEo1f/AKETxB/3/wBP/wDkqgDpKK5v/hKNX/6ETxB/3/0//wCSqP8AhKNX/wChE8Qf9/8AT/8A5KoA6Siub/4SjV/+hE8Qf9/9P/8Akqj/AISjV/8AoRPEH/f/AE//AOSqAOkorm/+Eo1f/oRPEH/f/T//AJKo/wCEo1f/AKETxB/3/wBP/wDkqgDpKK5v/hKNX/6ETxB/3/0//wCSqP8AhKNX/wChE8Qf9/8AT/8A5KoA6Siub/4SjV/+hE8Qf9/9P/8Akqj/AISjV/8AoRPEH/f/AE//AOSqAOkorm/+Eo1f/oRPEH/f/T//AJKo/wCEo1f/AKETxB/3/wBP/wDkqgA8Uf8AIxeDP+w1J/6b7yukrjbm51jXvEnhtm8K6pptvp+oSXU9xeTWhRVNpcRAARzuxJaVe3rXZUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQB//2Q==)

Chart, scatter chart

Description automatically generated Chart

Description automatically generated

Genetic Algorithm Particle Swarm Algorithm

1. *Optimization using Shifted Rotated Expanded Scaffer’s F6 Function.*

For Shifted Rotated Expanded Scaffer’s F6 function we are trying to evaluate 2 set of dimensions such as 2 dimension and 10 dimensions using both GA and PSO. *Tab 12 and 13* shows the results of this function.

* *Two Dimension*

Tab 12 Shifted Rotated Expanded Scaffer’s F6 Function 2D Result

![Table

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAkACQAAD/4RDsRXhpZgAATU0AKgAAAAgABAE7AAIAAAALAAAISodpAAQAAAABAAAIVpydAAEAAAAWAAAQzuocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEdlbyBUaG9tYXMAAAAFkAMAAgAAABQAABCkkAQAAgAAABQAABC4kpEAAgAAAAM5MQAAkpIAAgAAAAM5MQAA6hwABwAACAwAAAiYAAAAABzqAAAACAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMjAyMTowNTowNyAxMzozMToyOQAyMDIxOjA1OjA3IDEzOjMxOjI5AAAARwBlAG8AIABUAGgAbwBtAGEAcwAAAP/hCx1odHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLjAvADw/eHBhY2tldCBiZWdpbj0n77u/JyBpZD0nVzVNME1wQ2VoaUh6cmVTek5UY3prYzlkJz8+DQo8eDp4bXBtZXRhIHhtbG5zOng9ImFkb2JlOm5zOm1ldGEvIj48cmRmOlJERiB4bWxuczpyZGY9Imh0dHA6Ly93d3cudzMub3JnLzE5OTkvMDIvMjItcmRmLXN5bnRheC1ucyMiPjxyZGY6RGVzY3JpcHRpb24gcmRmOmFib3V0PSJ1dWlkOmZhZjViZGQ1LWJhM2QtMTFkYS1hZDMxLWQzM2Q3NTE4MmYxYiIgeG1sbnM6ZGM9Imh0dHA6Ly9wdXJsLm9yZy9kYy9lbGVtZW50cy8xLjEvIi8+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczp4bXA9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8iPjx4bXA6Q3JlYXRlRGF0ZT4yMDIxLTA1LTA3VDEzOjMxOjI5LjkwNTwveG1wOkNyZWF0ZURhdGU+PC9yZGY6RGVzY3JpcHRpb24+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iPjxkYzpjcmVhdG9yPjxyZGY6U2VxIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpsaT5HZW8gVGhvbWFzPC9yZGY6bGk+PC9yZGY6U2VxPg0KCQkJPC9kYzpjcmVhdG9yPjwvcmRmOkRlc2NyaXB0aW9uPjwvcmRmOlJERj48L3g6eG1wbWV0YT4NCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgPD94cGFja2V0IGVuZD0ndyc/Pv/bAEMABwUFBgUEBwYFBggHBwgKEQsKCQkKFQ8QDBEYFRoZGBUYFxseJyEbHSUdFxgiLiIlKCkrLCsaIC8zLyoyJyorKv/bAEMBBwgICgkKFAsLFCocGBwqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKv/AABEIANMD5QMBIgACEQEDEQH/xAAfAAABBQEBAQEBAQAAAAAAAAAAAQIDBAUGBwgJCgv/xAC1EAACAQMDAgQDBQUEBAAAAX0BAgMABBEFEiExQQYTUWEHInEUMoGRoQgjQrHBFVLR8CQzYnKCCQoWFxgZGiUmJygpKjQ1Njc4OTpDREVGR0hJSlNUVVZXWFlaY2RlZmdoaWpzdHV2d3h5eoOEhYaHiImKkpOUlZaXmJmaoqOkpaanqKmqsrO0tba3uLm6wsPExcbHyMnK0tPU1dbX2Nna4eLj5OXm5+jp6vHy8/T19vf4+fr/xAAfAQADAQEBAQEBAQEBAAAAAAAAAQIDBAUGBwgJCgv/xAC1EQACAQIEBAMEBwUEBAABAncAAQIDEQQFITEGEkFRB2FxEyIygQgUQpGhscEJIzNS8BVictEKFiQ04SXxFxgZGiYnKCkqNTY3ODk6Q0RFRkdISUpTVFVWV1hZWmNkZWZnaGlqc3R1dnd4eXqCg4SFhoeIiYqSk5SVlpeYmZqio6Slpqeoqaqys7S1tre4ubrCw8TFxsfIycrS09TV1tfY2dri4+Tl5ufo6ery8/T19vf4+fr/2gAMAwEAAhEDEQA/APpGiiuSjvfFWr+INdt9K1LR7G00y9S0jS50uW4kfNtDMWLLcIOsxGNvQUAdbRXN/YfG/wD0MPh//wAEM/8A8mUfYfG//Qw+H/8AwQz/APyZQB0lFc39h8b/APQw+H//AAQz/wDyZR9h8b/9DD4f/wDBDP8A/JlAHSUVzf2Hxv8A9DD4f/8ABDP/APJlH2Hxv/0MPh//AMEM/wD8mUAdJRXN/YfG/wD0MPh//wAEM/8A8mUfYfG//Qw+H/8AwQz/APyZQB0lFc39h8b/APQw+H//AAQz/wDyZR9h8b/9DD4f/wDBDP8A/JlAHSUVzf2Hxv8A9DD4f/8ABDP/APJlH2Hxv/0MPh//AMEM/wD8mUAdJRXN/YfG/wD0MPh//wAEM/8A8mUfYfG//Qw+H/8AwQz/APyZQB0lFc39h8b/APQw+H//AAQz/wDyZR9h8b/9DD4f/wDBDP8A/JlAHSUVzf2Hxv8A9DD4f/8ABDP/APJlZug3PjfW9Oluv7b8PweXe3Vpt/sSds+RcSQ7s/ax97y92O2cc4zQB21Fc39h8b/9DD4f/wDBDP8A/JlH2Hxv/wBDD4f/APBDP/8AJlAHSUVzf2Hxv/0MPh//AMEM/wD8mUfYfG//AEMPh/8A8EM//wAmUAdJRXN/YfG//Qw+H/8AwQz/APyZR9h8b/8AQw+H/wDwQz//ACZQB0lFc39h8b/9DD4f/wDBDP8A/JlH2Hxv/wBDD4f/APBDP/8AJlAHSUVzf2Hxv/0MPh//AMEM/wD8mUfYfG//AEMPh/8A8EM//wAmUAdJRXN/YfG//Qw+H/8AwQz/APyZR9h8b/8AQw+H/wDwQz//ACZQB0lFc39h8b/9DD4f/wDBDP8A/JlH2Hxv/wBDD4f/APBDP/8AJlAHSUVzf2Hxv/0MPh//AMEM/wD8mUfYfG//AEMPh/8A8EM//wAmUAdJRXN/YfG//Qw+H/8AwQz/APyZWb4cufG/iDwrpWs/234ft/7Rsobvyf7Enfy/MQPt3faxnGcZwKAO2orm/sPjf/oYfD//AIIZ/wD5Mo+w+N/+hh8P/wDghn/+TKAOkorm/sPjf/oYfD//AIIZ/wD5Mo+w+N/+hh8P/wDghn/+TKAOkorm/sPjf/oYfD//AIIZ/wD5Mo+w+N/+hh8P/wDghn/+TKAOkorm/sPjf/oYfD//AIIZ/wD5Mo+w+N/+hh8P/wDghn/+TKAOkorm/sPjf/oYfD//AIIZ/wD5Mo+w+N/+hh8P/wDghn/+TKAOkorm/sPjf/oYfD//AIIZ/wD5Mo+w+N/+hh8P/wDghn/+TKAOkorm/sPjf/oYfD//AIIZ/wD5Mo+w+N/+hh8P/wDghn/+TKAOkorm/sPjf/oYfD//AIIZ/wD5Mo+w+N/+hh8P/wDghn/+TKAOkorideufG+iadFdf234fn8y9tbTb/Yk648+4jh3Z+1n7vmbsd8Y4zmtL7D43/wChh8P/APghn/8AkygDpKK5v7D43/6GHw//AOCGf/5Mo+w+N/8AoYfD/wD4IZ//AJMoA6Siub+w+N/+hh8P/wDghn/+TKPsPjf/AKGHw/8A+CGf/wCTKAOkorm/sPjf/oYfD/8A4IZ//kyj7D43/wChh8P/APghn/8AkygDpKK5v7D43/6GHw//AOCGf/5Mo+w+N/8AoYfD/wD4IZ//AJMoA6Siub+w+N/+hh8P/wDghn/+TKPsPjf/AKGHw/8A+CGf/wCTKAOkorm/sPjf/oYfD/8A4IZ//kyj7D43/wChh8P/APghn/8AkygDpKK5v7D43/6GHw//AOCGf/5Mo+w+N/8AoYfD/wD4IZ//AJMoA6Siub+w+N/+hh8P/wDghn/+TKzdeufG+iadFdf234fn8y9tbTb/AGJOuPPuI4d2ftZ+75m7HfGOM5oA7aiub+w+N/8AoYfD/wD4IZ//AJMo+w+N/wDoYfD/AP4IZ/8A5MoA6Siub+w+N/8AoYfD/wD4IZ//AJMo+w+N/wDoYfD/AP4IZ/8A5MoA6Siub+w+N/8AoYfD/wD4IZ//AJMo+w+N/wDoYfD/AP4IZ/8A5MoA6Siub+w+N/8AoYfD/wD4IZ//AJMo+w+N/wDoYfD/AP4IZ/8A5MoA6Siub+w+N/8AoYfD/wD4IZ//AJMo+w+N/wDoYfD/AP4IZ/8A5MoA6Siub+w+N/8AoYfD/wD4IZ//AJMo+w+N/wDoYfD/AP4IZ/8A5MoA6Siub+w+N/8AoYfD/wD4IZ//AJMo+w+N/wDoYfD/AP4IZ/8A5MoA6Siub+w+N/8AoYfD/wD4IZ//AJMo+w+N/wDoYfD/AP4IZ/8A5MoA6SiuJ1658b6Jp0V1/bfh+fzL21tNv9iTrjz7iOHdn7Wfu+Zux3xjjOa0vsPjf/oYfD//AIIZ/wD5MoA6Siub+w+N/wDoYfD/AP4IZ/8A5Mo+w+N/+hh8P/8Aghn/APkygDpKK5v7D43/AOhh8P8A/ghn/wDkyj7D43/6GHw//wCCGf8A+TKAOkorm/sPjf8A6GHw/wD+CGf/AOTKPsPjf/oYfD//AIIZ/wD5MoA6Siub+w+N/wDoYfD/AP4IZ/8A5Mo+w+N/+hh8P/8Aghn/APkygDpKK5v7D43/AOhh8P8A/ghn/wDkyj7D43/6GHw//wCCGf8A+TKAOkorm/sPjf8A6GHw/wD+CGf/AOTKPsPjf/oYfD//AIIZ/wD5MoA6Siub+w+N/wDoYfD/AP4IZ/8A5Mo+w+N/+hh8P/8Aghn/APkygDpKK5v7D43/AOhh8P8A/ghn/wDkys2C58bzeKr7Rv7b8Pr9ksra787+xJ/n855027ftfGPIznPO7tjkA7aiub+w+N/+hh8P/wDghn/+TKPsPjf/AKGHw/8A+CGf/wCTKAOkorm/sPjf/oYfD/8A4IZ//kyj7D43/wChh8P/APghn/8AkygDpKK5v7D43/6GHw//AOCGf/5Mo+w+N/8AoYfD/wD4IZ//AJMoA6Siub+w+N/+hh8P/wDghn/+TKPsPjf/AKGHw/8A+CGf/wCTKAOkorm/sPjf/oYfD/8A4IZ//kyj7D43/wChh8P/APghn/8AkygDpKK5v7D43/6GHw//AOCGf/5Mo+w+N/8AoYfD/wD4IZ//AJMoA6Siub+w+N/+hh8P/wDghn/+TKPsPjf/AKGHw/8A+CGf/wCTKAOkorm/sPjf/oYfD/8A4IZ//kyj7D43/wChh8P/APghn/8AkygDpKK5v7D43/6GHw//AOCGf/5Mq74T1WfXvBeiaveJGlxqGnwXUqxAhFZ41YhQSTjJ4yTQBr0UUUAFc34X/wCRi8Z/9hqP/wBN9nXSVzfhf/kYvGf/AGGo/wD032dAHSUUUUAFc9401e/0vw/ImhIJdYug0dlGQDlwpZmwfRVY88ZwO9dDXDwJd+KfGl7dLc61osemx/ZrM/YBGJlYgySBp4mU5IVQBg4TPQ0AdD4Z12DxT4VstWtjsW6hBZVPMb9GX6hgR+Fc74H18WvhDU9Q8QalI0VtqlzF59y5chRJtVR39AAPXisvwZJdeEPGGuaBJa6zd6RPP9ptb99Nk2rKR+9UlEC4J6FQF4461k20Uknwz1e3udK1WG7XXPtNur2jxSAyXAMciK4AkI5OwHPY4yDQB6LpvjXRNW1h9Lspbs3sa75IpdPuIvLXGQWLoAoOOMkZ7Utt400C7v4bOC/zJcMVt3eGRIpyOojkKhHP+6TXFafM2vXWsrfDU7TXtZ0uSwtZLvSJLGEBUYgLlmy2WLE7ug4AxTpLe+8ReC/D/httGv7DU9PuLXzpJrZlithBjdIsuNrZAIUKSfm/GgDsT448OrqJsDqINyLlbUoIZDiVvugnbgZyOenvWNe+MdL8O+EtX1nTr2+1cC/kTEySSCCdio8r7o2RqSOPfAOSBUfguaRPG3i+SbT9Qt47q5SeCaexljSVEQIdrMoyc9B1I5Gea5l7PUNS+GvjS1t9J1JbmfXHvoIZrKWJ5oWuEkBQMo3HajcDkcZxkUAdHfeJVtfiZps8l9fQ6XPpM0rW00UqZcSKoPklQ27rgbc+ldF/wmvh7+x7bVDqSCzuZfIjkKOP3m7btIxlTn1AxXMz6k9x8V9J1Q6TrEdoumSwvI+mzEI7OCoJVTjIGfbODg5A52aed/CV9apomtiWTxOb5Iv7IuBmA3IkD/cx90dOvtQB6Gvj3w2z3SLqJMlrjzIvs8u9s5wUXblwcE5UEYGa19L1Sy1vS4NR0u4W5tJ13RyrkBucHg8gggjB9K4v+0Nnxhl1NtO1X7D/AGCtuLgaXcFfMErSlfuZztI/H5evFWvhX9oi8IPbXtne2csV5Owiu7aSEhXkZ1xuAyMHt0NAHa0UUUAFc34D/wCRduv+w1qv/pwuK6Sub8B/8i7df9hrVf8A04XFAHSUUUUAFFFFABRRRQB51oz+INQ8a+KtGufF2oJBo4tjbyrbWgJEsZc78w4OMDpjvWl4I8V3Go6Lq8+vXVvJFpV9LbDUoxsjuI0x8/p37cVzFlDo9/8AEHxbqniTwvqF3Z3v2UWL3Xh+4lLbIism390SnIXrjPHpUFr4a8QXHg3xJbafY3ttpf26C40fS7mVopfLjkDyIOcxhsDaOoI/GgD0iz8W6LfPdpFdtFJZRefcR3MEkDRx4zv2yKp2/wC10qs/jnRBZXtxE93IbO2N08X2GZXaPoGUMgyD6jjHOcAmucsLHTL2K/1iPwtrrSx6ZNBPHq09w806kZ+zxrJI2Q3PIGOmOvDbGHUruHVtOsI9TudMbRporeTVrJoZ4JmACwK7KrSKRk5wcbR8xoA6/wAK68viTwzZamIZYXnhjeRHgkjAcorHbvA3L83DDIPYmtiud8BSyt4G0m3ubG7spbOzhtpEu4TGxZI1ViAecZB5IGa6KgAooooAKKKKACub+HH/ACSzwp/2BbP/ANEJXSVzfw4/5JZ4U/7Atn/6ISgDpKKKKACiiigBkqNJC6JI0TMpAkQDch9RkEZHuCK840S88R3I8W6Tqniq4h1XSpt1vObW3CLAU3RyFfL5zzu9MDGO/pVcJ4s8MX15440u/wBLXFtqELafq5A4MAPmAn6gMmf9oCgCroXiDVNW+D41L+2rr+25GMIkMEIZLrfsWLZ5e3aW29QWw2c+nVy6va+HLK0tNa1Ke9vXQnctqZJpsfebyoU4UZHQYHGT3rndP8MX9p8UNRcLjQZnTVVGOPtZVoyP5uffaam1IXmh/E8a5PZXd5pd5pq2hltIHne2kVy3KIC21s9QOtAG0/jPw9HpNtqjapD9iupRDFMoYguTjacDIOeDnGO9RL478PPEHivJZcvIpSKzmd12YDsVCFgoyPmIx7159rOkX1n4euZ00rUGGp+JU1KKxgs3leKFWXczqoIUtjODg846g467xRJFJq1pdwRa5ZXYtC1vqWn2Mk2AxyYZYth4O1ThgMc8qeoBZ1Dx9YWusaBaW0V1cw6xE1wk8VnNIDF5e4FQqkkklMjB2jrjIrq684nGsx6p4C1fUdFuPMtbe5iu7ewg3eQ8kaBBtBwg+XucL3Nej0AFFFFABRRRQBzfjz/kXbX/ALDWlf8Apwt66Sub8ef8i7a/9hrSv/Thb10lABRRRQAVi+L5L6DwrfT6TetZXcUe6KVURwG7ZDKQRW1XP+N7v7N4VukS1vLuWZdkcVnayTsTnPRAcD3OBQBB4H8Sya34VM2rlYtR0+R7XUgcKEmj4Y+gBGG9OawvBPiHW/EXjrxEdRv5INN08W8lrYiGNV8uaNmUuxXfnaFOMjBJ7DFNu9Av7vxsbnR4po9C8S2y/wBqCSJ4miaIjqrAFTImUIIB5JqnYRXWp+L/AIgw29hqdomu2cMNhdT6fNFGWS3aNjuZQFwSMZxntQB3Fl4u0TUNTi0+1vGNxOpeAPBIi3CjkmN2ULIAOcqTXL+PvGNj/YrwaPrF1DexXsMQa2jcRyN5yK8Zl27chS2VDA8VS8N6TDqI0yG58Pa7Z6vpqjM+pXdy9vbMF2loi0hV89AFHfngVQ8rUovhCvhmfQdSOrafcQBljtGdJQt0rmRJMbWyMnrnk5GMmgD0Nb3TW8azRDVbj7dDYZksC5ECx78+bjGN2Ttznpxjik07xnoWq38VnZXrNNOjSQb7eSNZ1X7zRuyhXA9VJrmLq5u2+K97d22j38qt4dNtEZrKQQvOHaXyzJjbyCBnOM8ZzWToqX/9ueENSm0nWwYI547uNrIwwWjNEAEjiAAVAeA2ORjkmgDtX+IXheNGd9VUIlwbeR/JkxHICBhzt+UZOMnAz34rpK8ama5l+G/jaxXRtYN1qOrXM1rEdKuAZUkcMjD5OBhTnOMcZ6jPr1ndJfWUVzHHNGsq7gk8TROvsVYAg/WgCeiiigArm/Hn/Iu2v/Ya0r/04W9dJXN+PP8AkXbX/sNaV/6cLegDpKKKKACiiigDzvQtc1nxJbak9r4gWz162kmT+xJbePy4NpIQMCBI2QAd4bHPTitq58ZJp/izTPD1zb3T3FxamaeRLSSQA/KAAUUjGSct91cckVzviSK38SeHkm1Lwzqtr4pWDdaTWdpIHSbHykTr8qrns7DAPIzVt7fWLDx14X1DU7K5vZP7Ha0uprSLeq3BKE7j0VSQeTgUAdInjTQJNTjsEviZpJzbRv5EnlPKOsay7dhYegbNR3njvw5YS3sVzqOJLBgLlEgkcx5GckKp4xySOBxnqK4Apql2ml3NzoesQ3Nnr6TT2VtZmO1gj8x/mRVx5hIIYud3JPI4rThu3j8RfECeXStXEd/DCLY/2XOwnKQeUwXCc/McehHPQE0Adze+JNKsLO0uZ7vcl7j7KsEbTPPkbvkRAWbjngVy3gzxRapo/iLU9T1ia4sYdZeKCe53Fgpji2oEwCDuYjYFzknjNZGhNf6XeeEtYudI1OSyt9CGlXMYsZDLaTjYS5i27ip243KDxSSNqtppfiBrfw9eOtz4jS6DPYCV0gZYwZo42B3OpQkcHBwT6UAdwnjTQX0++vTetFDp5AuxNbyRyQkjI3RsoYcc9KSLxt4emtry4TUkEVkIzM7RuoHmfcxkfMTg4C554rz2/tr2HTvHUMWla/ONUs4BaST20kskzeWynOM45PTA2jqB0rd1mG/uvCHhLUtP028mTSrqCe6sGgaOcqiFDiNgCSp5A79R2oAt6Drw1b4o6jFZ6hezWaaXFIba5jeHyJTKwI8tlUj5QpyRk5613FcVps0t58VJtSh0y/isrjRYohcT2rQrvWWRiCHAIOCBjGfwwT2tABRRRQBzfjz/AJF21/7DWlf+nC3rpK5vx5/yLtr/ANhrSv8A04W9dJQAUUUUAFBzjjrRRQB55q6+JNI1jwxp8ni2/lfVJ3hu3W2tABtjLZQeTxyO+eK6RL4+F7Rx4k1mW/8APutlkxtg07qUH7vZCg3sCHPyr0xXP+Obx08a+Fmi03VLmLT7t5rqW10+aVI1aMqDuVSDyegyRitDxvcXi3Ghm2sLqW1e4c3F3Z2Xn3NoPLO0oCpKFidpbGQM9DQBpHxr4fXQm1htRC2KS+Q8jROCkmcbWTbuByQMEd6QeN/D5t5JkvmcJc/ZdiW8jO8uN21EC7n45yoIxXm2p2l/F8N/FGkromtyT3WtiW3R7WSd5U82J8lhuz8qNk5xnjNdV47vGb/hGtX0201A3kVxJJA0Vm0ksSmJtwa3JVmBGARkEevYgG/pvjbQdWivZbO7lEVhkXUk9pNCkRHVSzqBuGfu9fahfGmiyQ3zRS3DS2EPnz2xs5UmCdmEbKGIPqBj3rgmtm1vwjrtppsGpnXri6h1S6t7u0k083AV0+WMEnaMJgEMTnHPIrZ0rSrPVmu9R0/Qtas73+zpbVp9auLhpPmHESCWRsjOSWxjpjqcAHTeEPEa+KfDdrqYhlheVAzo8DxgEjPylgN4/wBpcj3rcrlvhw1wngPTLO7sLuyms7dIJFuoTGSyjBwDyR74we2a6mgAooooAK5ux/5Knrv/AGBdN/8AR99XSVzdj/yVPXf+wLpv/o++oA6SiiigDkPidfapo/ga91fRNUlsLmyUOAkUUiy5dVwwdT0ycYx+NZWv6vrfhW30W+h1+XVWvrmGCTTryCANIH6mMxIhBHuCKv8AxaM0/wAO9Q06ysr29u71VSGK0tZJuQ6k5KghRj1xntXKeIdHsbnSLFfAfhm+sPEiPF5V7BpctikPI3mR3RQwIyMc5oA9K1fxRpGhuyalcujIgkkEVvJL5SHgM+xTsXg8tgcGm33izRtPSBp7tnW4h+0Rm3gkn/df89D5anCf7RwPeuK1XTpbLxvqsmu6Truo2OrRQ+VNo9xOEVljCPHIkbrgEgkFuOanv7CPRVsYdPsdY0i8tbALa3Gm28l7GFLsfs0owwbGBySPvHBUdQDcn8eWSeKtL0m3iupo7+1N0J0s5XG07dmML0O7k9F7kVL4+bVbbwnd3+hatLpt1ZxNIu2GORJfZg6nH1GOveuehj1e28ZeFdV1DRZ1LaM9rPFYw7kt5iUO044ReDyTgYxmuj8fSsngnUIora6upriMwxRWls8zMxHogOBx1OB78igCn4c8QXnifSL3Sb2eTRfElgRFdiJEYo2eJEDhlZGx6Hgnpwas6LrI0vwdpd74j1aa8ub+KN1ZoFMkjugby444kBbHJwAT15qn4l0OfVltPFXhUSW2u2aZiWeJoTdRfxQSqwBAPbI4P51mT2Wp6VN4H1o2F1dW2nWBtb22hiZ5rcyRIN4jHJwVwQBkCgDtdI13Tdet5JtKuROInMcqlWR4nH8LIwDKfYgVoVw2mLPYa94p8XR6Zfm0uooFhs0tys900akFxE2CCcgAEA8Hiuzy11Y5TzLdpY+Nww0ZI7j1FAGQ/jXw/HfLavqG1mm+zrKYZPJMuceX523Zuzxt3ZrnvEniJLnx/Y+G5m1WGza1lkmayguUd5MqE2vGuSoySSp256njFYcWn6jc/ChvAt3ot6urxkWySfZmNuQJdwnE2NmAOcZ3Z4xWzeXEkHxe0uZrLVJra1017OW8XTp3jMrMpHzhSCOOW6DuaAO406zOn6dDaNdXF2YV2+fcuGkf3YgDJ/CrNFFABXN/Dj/klnhT/sC2f/ohK6Sub+HH/JLPCn/YFs//AEQlAHSUUUUAFc34X/5GLxn/ANhqP/032ddJXN+F/wDkYvGf/Yaj/wDTfZ0AdJRRRQAUUUUAFZevaBbeILWCK5nurZ7aYTwT2spjeNwCAR1B4JGCCOa1KKAMnTPD62Eyz3WpX+qTpny5L2RT5eeuFRVXPbOM4yM8mtaiigAooooAKKKKACiiigAooooAK5vwH/yLt1/2GtV/9OFxXSVzfgP/AJF26/7DWq/+nC4oA6Siiorm3S6tZIJTIqSKVYxStGwHsykEH3BBoAlorwuPWIrTwVq0yeKtU/4SS21GeGxgOpyzyyhZMIhgZiGUgcnb+Nenf8JZLZaZAL3S7y81KGxiudQgsURvs25ec7mXPIbCjLYGcUAdNRXLTfEHSVOlfZIL6+/te3kns/ssO7zAi5ZeSPmHAx2zzjnHOavrEviDx7o+mah4av59Mm06SdrC6SAF2YoN7I0nGzJGDhgScA9aAPTKK45fFui+G9LkhsNP1GXRtKf7NNewr5sUBBwQSz+YwUnBIDAdM8Vb1Dx1YWOq/wBnQ2Oo6hctZfbolsoBJ50WQPk+YZPP04POcAgHTUVyk/j+zhk1OKPSNYnm0tUe4ijthuCsu7IywHAHTOfQHBxJb+PdMurrS0jtb8WurELaXzwYhdyu4JnO7OAf4ccHmgDp6K5e48fadb3zxNZX72sd8NPkv1jTyUnJA2n5t/UgbguPelu/Hdnbahq1jFpmqXVzpKo9xHbwKcqwYhlJYDGFzzgnIxnnAB09FYJ8YafJY6ZPp8Vxfy6rF51pbW6qJJEABLHeVVQMjJYjk4plr410290eK+t4bppZblrNLIxgTmdc7o8E7cgKSTu24Gc0AdDRWPoXiS116S9t4obi0vLCQR3VpdKokiJGVJ2kggjkEEg1sUAFc38OP+SWeFP+wLZ/+iErpK5v4cf8ks8Kf9gWz/8ARCUAdJRRXLfEmNx4A1W7t7q7tLizt3nhltLqSFgwHfYRuHscigDqaK8lttZ8nxB4Ti8I67earcXZQataNfPeRpEVG+Ri7N5bA5OMj6V2l14706zkjkmtb3+zpLr7INTCIbcS7tmCd27G4Y3bdue9AHTUVzD+ObX+2rzSrbStWu7mxnihnEFsGCeYMq5JYYXGDk9j04OOU0mey8R694lvPF+izpDpt7ujvLiSJf7PSONW2bkk3A5yx2ZU55PagD1KiuatvG9lLqFha3dhqGnrqf8Ax4z3cSrHcHGQBtYlSRyA4UmmWfjy01C8mtrLSdXna3vHs52S1BWF1UNlju4Bzge/XGQSAdRRXHR/EzSXsdOvzp+qx2F/N5CXb2o2RuWKhW+bPJHYH0ODxWhaeNLCe61K2u7W+06XTrb7XKt5CFLQ8/vF2k5Hyng4PtQB0NFc3pnja11K/iszpuo2ktxZm9tftEaYuIhjldrtz8w4bB56VTtviVpVzZaffJY6mtjfXH2Zbp7cCOKTzDGAx3Z5I6gEcjODxQB2FFc5q/jWy0mS+As729j01Q19LaohW1BGfm3MCTggkKGIBqe98V21uVWws7zVZDbrdNHZIpaOJs7WO9l64OAMscHigDcoqjo2sWWv6Nbappcvm2t0m+NsYPoQR2IIIPuKvUAc348/5F21/wCw1pX/AKcLeukrm/Hn/Iu2v/Ya0r/04W9dJQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFc348/5F21/7DWlf+nC3rpK5vx5/yLtr/wBhrSv/AE4W9AHSUUUUAFFFef8AxWSaCz0a8s9Q1Czlk1S3tJBa3ssKvE5O4FVYDPv196APQKK8+8a2OoeDdFfxJ4a1XUGGnsslxYXt5JcxXEZIDDMhZlPOcg+tb9x4ytY7VZrOwvtRItI7yaOzVGMETglS25lySAflGW4zigDoqK5aDx9p93q2kWVlY31xHrMRmtLtFjELKBl8lnDAqOq7c+gNV/E/iTR5PDmvx+IdH1CTS7CRYLkqExPnB+QpJnAyuc7cbgOuQADsaKwdY8U2+jX40+LT77ULlbU3TxWaITHCDt3Euyg88YGT7Vj6l48l/tPwquiabdX1prayThozErSIsLNsAd1wwO1iSQMDAJJxQB21Fc1p+p6EvirxJJHBLaX1lFAdSuZyVRk2uUI+YjAVWJOB1HWkg8d2El3p0dzY6hZQaowSxu7mJViuGIyoGGLKSOgdVzQB01FchcfEfTreHU5RpmqyppUxivGjt1IiAAJc5YfKAfr14rrIJo7m3jngbfHKodG9QRkGgB9FFFAHN+PP+Rdtf+w1pX/pwt66Sub8ef8AIu2v/Ya0r/04W9dJQAUUUUAFFFVdU1CLSdHvNRuATFZwPO4HXailj+goAtUVwnhm0n8SeGo/E3ijVr2I3kZuUgtb6S1gs4uqj5GXdhRksxPX2qhrt7Y3Pw18VW9t4ot9eeOGSeForpJJIY9ihVbYexB579TzmgD0qsXWvDMGs31tfLfX+n3tqjRx3FlMFbYxBZSGDKQSoPI7Cqdt4hg0zSdHsIrW51C/msElS0tApfy1VQXJdlVVyQOSMk4Ga57xj4g03xB4Lh1C0M0bWWs20M8MqlJIJBOgZHQd8fXrxQB2+l6PHpm53urq+uXUK9zdyBnIHQYACgc9gM960K5qw8dabd6pd6dd2t/pdzbQNc7L+38vzoV6yJgnIHp19uDS6T41s9X1Cys/7P1Cz/tG2a5spblECXMYwSVKuSDhgcMAcEUAdJRXFfDNBHZ+I41ztj8Q3qKCScKGAA59AK7WgAooooAK5ux/5Knrv/YF03/0ffV0lc3Y/wDJU9d/7Aum/wDo++oA6SiiigAoriNS1O+8Q/ER/C1jey6fY6farc38tu22aZmI2Rq3VRg5JHPbipp20fw94gsYx4xFkInLXWn6jqvmmdWjYKf3rFwdxU8EA46dKAOxormtT8dafpXnzT2l7Jp9tP8AZ7nUYo1MMEmdpDZYMQCcEhSAeM0y68eWUF9qtnDpup3lxpSxvOlvArZRwxDKSwGMLnnGcjGecAHUUVhf8JbYy6fp9xpsNzqMmpQfaLa2t1USPGACWO9lVQNyg5I5IFUG+I2jLpNrfmG92XF//ZzxiDMlvPu2lJBngjrxnjpmgDrKK5c+OYjJHbx6DrT3zxyzGx8hElWKNgpkO5wpBJGMEk56VQ1jx+4s/DV1oOn3N5b63coquvlq23BJQB2HzHGOcADPOcUAdvRXM2up6IfHGob7Se11aDTkkuZ5zhBBuJA+8Rwd2SB26mmxePdOaawNxZahaWWpSLHZX88SiGdm5QDDFl3dtyrmgDqKK5O6+IdhbtqwTTNVuDpD4u/Jt1Oxdu4vksOAOfX0Bq7d+LrWKS3jsLG+1SSe0F6Es0QlYT0c72XOfQZPtQBv0VXsLyPUdNtr2FXWO5iWVFcYYBgCAR681YoAK5v4cf8AJLPCn/YFs/8A0QldJXN/Dj/klnhT/sC2f/ohKAOkooooAK5vwv8A8jF4z/7DUf8A6b7Oukrm/C//ACMXjP8A7DUf/pvs6AOkooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACub8B/8i7df9hrVf8A04XFdJXN+A/+Rduv+w1qv/pwuKAOkqK5leC1klit5Ll0UlYYioZz6DcQM/UgVLRQBxXw2s9Z0vT9QtNc0abT2lvpruN2nikVlkbIX5HJDD6Y96pa94XuY/HN3q//AAimn+J7PUYolZLjyhLaOg25BkGCpGMgc5H5+hUUAef3Wj6vaeMPCU1j4fDWOlx3IuDZPBFFF54A2ohZSQmOTtGevXirOoW+sn4sWOrQ6BdzadbWT2jXCzwDJdlbcFMgbaMc8Z9Aa7eigDzqz0PxDo/h7XPC0WlC+t76S4+x6gJ41jRJ8581Sd+VLH7qnPtU2maFqui/ETS2g0m4n0mx0JNI+3edCASGRt+zfux8uDxnPQEV39FAHALba6uueMrg+HLzydTt447NhcW/7wpGY+R5ny5LZGewOcHisr+yfEqeEPBenDwzeNcaJfQXF0Bc22CsSsvynzeSd3HToc16pRQB5VrHhzxTqq3b3+im+vrfVo7i0umvkCG3WVSFiQnCHaDkkKTzyelatrb6/a+LvFuoP4bu3g1O3gjtmjubf5miRkPWQEAlsgkA4HIB4r0CigDy7RtE8VaHZeG9UtNFMl5ptg2l3unSXMStLGSrCSNwxX7yjgkGtXxToGta/p2malPpVheXdjeNOdGuWV45ImTYYy5G0v8AxZIwD64Ge8ooA53wnpYso7m5Hh2x8PfaAi/ZLZItx27vmdoxg/e4GTgD3IroqKKACub+HH/JLPCn/YFs/wD0QldJXN/Dj/klnhT/ALAtn/6ISgDpK5r4gW2oah4J1HTdI02a/ur6FoFWOSNAmR95i7Lx9Mn+ddLRQBleGmvP+EbsY9SsJbC5hhSKSGR0flVAJBRiCD27+wrhNE8FXOmyPo954N0a8VZ3MOvyJCzeWzFgXRgXLqDgdjgcjrXqFFAHF+HLXWLX4geKb+90S4t7LUmge2nM8LbvKj2EFVckbuo/XFY1l4b1rV7HxnpmpaRc6WmvTPPbXMk0DqnyKArhJGOcr2BGM816bRQBwh0zXfEdv4dsdZ0g6cdJvILy5ujPG6StCDgRBSW+YkH5guBkc1J4Kh1vSv8AhJZNR8PXcP2zUptQtk+0W7NKHVQI+JMBvl7kDnrXb0UAeTNofic/DPRdG/4Rq6+3WWpJcSoLq227FlMmQ3mdw2PqD2wTq6la+Krjx3qGraTos9p5ugmxtbm4mtyEnDNICyiQnGSF6HnrxzXolFAHmmkaHrll4o0nXH8NzLJHp88N8ZL+OW4llOwgli2DkqQo3YGedgqhbaJ4ng+F+naEfDN0b611IXDgXVttKC5M2c+b1wcY9R6V61RQBwtlb+KPD/iDVW07RU1Cw1mcXqNJdRxNZzMiqySDncPlHKbunequueFb6Lxf/a8vhvT/ABZBeWkUFxHcLEskEsefnTzPl2sG5A54HpXolFAGfoVj/ZuiwWv2W1s9u5vs9ogWKLcxbaoAAOM4zgZPPetCiigDm/Hn/Iu2v/Ya0r/04W9dJXN+PP8AkXbX/sNaV/6cLeukoAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACub8ef8i7a/8AYa0r/wBOFvXSVzfjz/kXbX/sNaV/6cLegDpKKKKACuH+JWn6xrFvpNpo2jT3wt9RgvZpUmhRVVCcqA7glvwx713FFAHC+KLLxF43sP7CTSpNE0y4dftt1eTRPKYwQdsaRu4ySBySO/FU9V8IS2Pi+a+g8Jad4l067t4YRFcGISWbRLtG0yDBUrjOOcj8/RqKAON1/wAK3U/g6yTR4LW21fSp1vbGK3RY4kkDEmIYAG0hiueM8E1D418PancfCy60PSrR9S1G7CiVkdIwZC/mSSEuw4LA8DJ5HGOncUUAcHrlj4g1rXYxd6LJc6PPYALaSXkca29wSdxmCsfMGMYxuHt3rOsPD3iOx03wLcf2OJLnQhNDc2ouowcPCYw+7OMZ5wMnH5V6bRQB523hzV9X8ReNob3TJ7Gy12zit7e8M0TKGjRkyVVi2CWyOM4HODT/AOx9f1/RdC0TWtI+w/2bcwTXV6J43jlEPTygCWyxA+8q4BPWvQaKAPMF0zxEuk+Orf8A4Rq83668zWf+k22MPF5fzfveMdfp713vh4XK+G9PS+tJLK4jgWOSCR0YoVG3qhIIOMjnoRnB4rSooAKKKKAOb8ef8i7a/wDYa0r/ANOFvXSVzfjz/kXbX/sNaV/6cLeukoAKKKKACq+oWMOp6ZdWF2C0F1C8MoBxlWBB/Q1YooA4bwzB4l8G6SuhXOjya3Z2mVs7yyniR2jzkLIkrrgjpkE1kx+FNctfh34vtF0kPf69qFzcQWsM0eYo5QoUMxIXjB4BPtXp9Q3V5bWMayXtzDbozrGrSuEBYnAUE9yeAKAOFttM1/Ttd0bxFBo80xGkLpd/pxnhE0Wx9yyId+xsnPG4cEd+BBe+DtXuNE1e+itY11LUdWg1AWJmUbUiZMIX6byFJPbJ69z6PUNxeW1p5X2u4ig86QRReY4XzHPRVz1JweBzQBx13peu6zrza/FY/wBlXNjpk9vp8NzLG7vcSDhn2FlCAgY5JOeQKytH0HXYfEnhzWLnw/JHcQW88OpTz36SzSOyphicnK5Vtqg8buiivTKKAOO+Htnq1guuJrOkT6f9s1W4voTJNFIGSVshfkdiGGOe3oTXY0UUAFFFFABXN2P/ACVPXf8AsC6b/wCj76ukrm7H/kqeu/8AYF03/wBH31AHSUUUUAcXrHh3VtN8dL4t8MxR3j3FuLbUNPlkEZmQfddGPAYYAweMD3qDUtN1nxN418NajJoUum22kSyyzPeTwsz7kAAURu/cd8V3dFAHmFr4LutP1bUbK48G6Nq8F3dyz22sXCws0SyMWxKrAuxUk/d64xxV+0stb0/xd4tu18O3k1rqFtBDaOk9sPMMKMmceYNobdkcDgcgHivQKKAPJbfwhrMekeGry88K22pzaXZNp93pV/JA29cqRNExLICCMc4OCR71o65oGqpoujJonhSGAx63DqctlYPbxLAkW35WJKhnbHUAgdM4AJ9JooA43xBZa1qXimzEmlPf6C9niS1N2kSx3BbkzDPzrtwMDcM5ODWBaeGPEdr4L8HRnSd97oN+rzWi3MeXjww3Bidv8QOM9Pyr1GigDz240HWNX8b6813pU1pYarov9nC8E8Tqj4bLYDbivzYB2545Apg0PxBrXhXSPDGsaT9kFjNB9o1BZ42ikjhIIMYBL7m2gYZVAyfpXotFAHmsWn+IYpPHP/FN3hGtAmzP2i2+b915WG/e/L13fQHvgF8mmatcaLpMF34TvlurPTo4Yruzv4Iri2mUYYbvMwYztQ9/dT0Ho9FAFDQ49Qh0Cxj1uVJtRSBBcyR/daTHzEdO9X6KKACub+HH/JLPCn/YFs//AEQldJXN/Dj/AJJZ4U/7Atn/AOiEoA6SiiigArm/C/8AyMXjP/sNR/8Apvs66Sub8L/8jF4z/wCw1H/6b7OgDpKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigArm/Af8AyLt1/wBhrVf/AE4XFdJXN+A/+Rduv+w1qv8A6cLigDpKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigArm/hx/ySzwp/2BbP8A9EJXSVzfw4/5JZ4U/wCwLZ/+iEoA6SiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooA5vx5/wAi7a/9hrSv/Thb10lc348/5F21/wCw1pX/AKcLeukoAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACub8ef8i7a/wDYa0r/ANOFvXSVzfjz/kXbX/sNaV/6cLegDpKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDm/Hn/Iu2v8A2GtK/wDThb10lc348/5F21/7DWlf+nC3rpKACiiigArzf4m6bPFrWmeIdFiH9qaRbXF98i4NwiPCrox6kbHf/Jr0iufu7XXpfGVtdxWumtpUMEluxkupBMwkMbM23yyvHl4C7uc5yOlAGN4z1pNc8BmLRZ+NU0+W6MinlLZI9zn8SVj/AOBn0rJ0K603w18I/DEh0K2u4r6W281SFUec5UCU5U7mBAOevyjkcVo2PgG90Hwzrmn6RJb3Ul95tvZC6lZEtLZ9xCZCschpGOAOeOeKqz+DvFEvw90TQFj0gXOl3MMjSm8l2SJEQV/5ZZBJyCO2AcnOAAblz4v1E+JNV0XS9B+13OnwxzAteCNZFfP+ycH5eOvXtVe48ZWV/ovhXU30ZbmDWL6GOHz2XNrKwbDjg5I2tyMfhmi10bxPaeONX12O10lo761jhjia+lBVowcEnyehJ59PesaLwZ4sh8J+F9KWPRml0G/S6ZzeyhZggbaB+54J3tnrjaOucAA6G68X6musa3pun+H/ALVNpMUU2571Y1lRw567TtPycDBz3xjmtbfEKW4t9B1D+xHj0rWZorZLl7ld8csgOB5eOVyCM5B9ulOTRfEsPinxHqKW+lNb6pbxwQKbyQOvlhwpb90RzvJIGcYxz1rFTwZ4sj8G+G9FWLRjLol/FdNIb2XbKIm3KAPJ4JyQeuMDrnAANrW/Hlxol1K9zowjsI71LMSXF15U85YqDJFEV/eICw5Ddjxwa7OvNtS8C+JL+DXY2k0iSW/vkure7maRplRZUdYCdvyooTAxnPoM5r0eLzPJTztpk2jeUHGe+PagB1FFFABXN2P/ACVPXf8AsC6b/wCj76ukrm7H/kqeu/8AYF03/wBH31AHSUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXN/Dj/klnhT/ALAtn/6ISukrm/hx/wAks8Kf9gWz/wDRCUAdJRRRQAVwmmeGbHWfFvjC4vJ9UjddWiQCz1a6tUx9gtDykUiqTz1Iz0GeBXd1zfhf/kYvGf8A2Go//TfZ0AH/AAgekf8AP54g/wDCj1D/AOP0f8IHpH/P54g/8KPUP/j9dJRQBzf/AAgekf8AP54g/wDCj1D/AOP0f8IHpH/P54g/8KPUP/j9dJRQBzf/AAgekf8AP54g/wDCj1D/AOP0f8IHpH/P54g/8KPUP/j9ZPjO/uNQ8aeH/CENzLaWuoiW4vZYXKPJGikiIMOQGIOSOcUzxPp3grwta20lxC2hOZ0aK80+zlyzqwYK7xKd2cfdY884oA2f+ED0j/n88Qf+FHqH/wAfo/4QPSP+fzxB/wCFHqH/AMfrN174lWWlXNxBaiyeW1gSeaLUL8WUjB13BER1LF9uCVYLjIGc8U9PiD9tvdGg0fSXuxrFk93A7ziPbtAyrAg4wTgn2OAaAL//AAgekf8AP54g/wDCj1D/AOP0f8IHpH/P54g/8KPUP/j9Uk+IdvD4bm1DVbRLC5h1FtMe3lulEYnB/wCepAGzHzbiOgPB74WqfE+a68L+JBpUdgNT0u3WTzba/wDtEDRvx5kcioMsp/hIXnvQB0c3g/w/bTQRXGqa1FJcMUhSTxPfq0rYzhQZ+TgZwKn/AOED0j/n88Qf+FHqH/x+qUuuy2934Vttc0W1mur+UrFcLceb9nYRk7wWjB3FevA69TUtx4yvWjurzR9Bk1PTrO7NrLJDMfOkYMFdoogp3qpJBJZehxxQBY/4QPSP+fzxB/4Ueof/AB+j/hA9I/5/PEH/AIUeof8Ax+ukooA5v/hA9I/5/PEH/hR6h/8AH6P+ED0j/n88Qf8AhR6h/wDH66SigDm/+ED0j/n88Qf+FHqH/wAfrn/BfgrS7nQbl5LrXARq2pIBHr98gwt9Oo4WYDOAMnqTkkkkmvRK5vwH/wAi7df9hrVf/ThcUAH/AAgekf8AP54g/wDCj1D/AOP0f8IHpH/P54g/8KPUP/j9dJRQBzf/AAgekf8AP54g/wDCj1D/AOP0f8IHpH/P54g/8KPUP/j9dJRQBzf/AAgekf8AP54g/wDCj1D/AOP0f8IHpH/P54g/8KPUP/j9c74n8GWtl/Zl9pLznxRLfw7b0Stvn+cGXeMkCMIGO3oMAUalJpF18RtXsPHSQm2NtAdHF3/qyu0+aY+3m7/T5sAYoA6L/hA9I/5/PEH/AIUeof8Ax+j/AIQPSP8An88Qf+FHqH/x+vPNO16W98LeE5PEsj3Hhz7bdW17czZKSqmVtzMe65znPBKjNdR4HvbWPx14j0fQpEk0WCO3uIEiOYoHdTuVOwU43ADjrigDb/4QPSP+fzxB/wCFHqH/AMfo/wCED0j/AJ/PEH/hR6h/8frF8V3NgPiHp9r4vWL/AIR6XT38j7WB9ma78zkPn5c7Pu7vU45rAs57zUPA/imx0m486w0nViLcTTGMS2ylXe38w8gYyvPYgdKAO5/4QPSP+fzxB/4Ueof/AB+j/hA9I/5/PEH/AIUeof8Ax+uS8P6xp0MHiPXvDlkujxadpbedorR+U4nRWfe8QwF4+UH+LnPSqk8KeH/AfhXxZa5OsXNxaS3l2T+8ulnGZEc/xL83APTAxigDuP8AhA9I/wCfzxB/4Ueof/H6P+ED0j/n88Qf+FHqH/x+uQ1TW/8AhIPEGtT6tpupX/hzQZjbG2sduySVRmWSUF1LhcgBBu45Ir0bRpdOn0Ozl0QRDT3hVrYQrtQIRxgdvpQBkf8ACB6R/wA/niD/AMKPUP8A4/R/wgekf8/niD/wo9Q/+P10lFAHN/8ACB6R/wA/niD/AMKPUP8A4/XP+AfBWl3Xw28NXEt1rivNpNq7CLX76NATCpO1FmCqPQAADoBXolc38OP+SWeFP+wLZ/8AohKAD/hA9I/5/PEH/hR6h/8AH6P+ED0j/n88Qf8AhR6h/wDH66SigDm/+ED0j/n88Qf+FHqH/wAfo/4QPSP+fzxB/wCFHqH/AMfrpKq6lZHUdPltBPJAJcK7xEhtuRuAI5BIyMjkZyKAMX/hA9I/5/PEH/hR6h/8fo/4QPSP+fzxB/4Ueof/AB+sfTPDNpoPxOhHheN7Sz+wSNqcCOxiLlh5RwSfnOH/AAX354u61PTovh5f6rqEyWnjrT7hpJpHOLlJBN8qjv5RUhQPu4PrQB6Z/wAIHpH/AD+eIP8Awo9Q/wDj9H/CB6R/z+eIP/Cj1D/4/XL3Fzpeo+OtRtfH8MSRSWdu+kpd/wCr5Qmby88ebvOOPmwBitz4W6pc6t4BtZruZ7gxyywR3Ehy00aOVVie5wMZ9qALn/CB6R/z+eIP/Cj1D/4/R/wgekf8/niD/wAKPUP/AI/XEX02j3UvjBPF7pb67bTzPp0sxIlitwgML256joSdvfOa6PSdHtPHHg3R9T8YJ9qR9OjdoJHKRhyMtKcEZJG3BPTBx1NAGp/wgekf8/niD/wo9Q/+P0f8IHpH/P54g/8ACj1D/wCP1leEfD81/wCA4dP1S5upNPa7leFJXYSTWm9vKR2BBAI2t16cdDVPTNEn8P6x4sj8GI8djHp6i3tdxaNb7a5xGDnHBTPu2O3AB0P/AAgekf8AP54g/wDCj1D/AOP0f8IHpH/P54g/8KPUP/j9ed/2rolloHhjVvD8qp4jN9bW9+uT9ond/lmjn7kk5I3eny17RQBzf/CB6R/z+eIP/Cj1D/4/R/wgekf8/niD/wAKPUP/AI/XSUUAed+NPBWl22g2zx3WuEnVtNQiTX75xhr6BTw0xGcE4PUHBBBANdB/wgekf8/niD/wo9Q/+P0ePP8AkXbX/sNaV/6cLeukoA5v/hA9I/5/PEH/AIUeof8Ax+j/AIQPSP8An88Qf+FHqH/x+ukooA5v/hA9I/5/PEH/AIUeof8Ax+j/AIQPSP8An88Qf+FHqH/x+ukriPG/hHSL3R9V1bWPOnvkjY2c6Owe3bGI0iAOAS2Pdi30AANP/hA9I/5/PEH/AIUeof8Ax+j/AIQPSP8An88Qf+FHqH/x+ua1qWS0vvCFr46ZH0lrEpfSXBzA96EUDzieMfexu4JOe3GHLqt1b6N4w07w5JPNoun39qY2tixaK2kAa4SPHIUc4x0BJFAHoP8Awgekf8/niD/wo9Q/+P0f8IHpH/P54g/8KPUP/j9cxpt/oll8S9Cg8ETWx0/VLS4F7DZY8n92oaOQgcb8kqT19a1/iPdNa2+jm9DjQ21BV1VlzgRbTtD4/wCWe7G7twAeDQBof8IHpH/P54g/8KPUP/j9H/CB6R/z+eIP/Cj1D/4/XI2fiTS/DHizxD/wj7xTaBBoo1IwWpHkxzhyu2PHADjH3eM07w3dWf8AaGj6h44069k1nVpA9pe3aKbWKQjKRQruJjIHQlQScnJoA6z/AIQPSP8An88Qf+FHqH/x+j/hA9I/5/PEH/hR6h/8frA8aeA/DjaXPL/ZkU+sarcLbx3cxLP5srYL9cfKu5sYwAvSrfjzTNAsPCrS6tpd5qMNtbeRawQRPIINqnDDbwh6Zc46D6UAan/CB6R/z+eIP/Cj1D/4/R/wgekf8/niD/wo9Q/+P1P4IkEvgbR2XURqf+ioDdjP70gYJ554IxzzxzzW7QBzf/CB6R/z+eIP/Cj1D/4/XP8AjTwVpdtoNs8d1rhJ1bTUIk1++cYa+gU8NMRnBOD1BwQQQDXolc348/5F21/7DWlf+nC3oAP+ED0j/n88Qf8AhR6h/wDH6P8AhA9I/wCfzxB/4Ueof/H66SigDm/+ED0j/n88Qf8AhR6h/wDH6P8AhA9I/wCfzxB/4Ueof/H66SigDm/+ED0j/n88Qf8AhR6h/wDH6P8AhA9I/wCfzxB/4Ueof/H66SigDm/+ED0j/n88Qf8AhR6h/wDH6P8AhA9I/wCfzxB/4Ueof/H6w7WztPGnxA8UW+uwi5tdJWC1tIX6RF0LPIPRycYbqABiodB1K48QfAu6n1KaWS5t7S6iMwkKs5i3hWJBBzgDPqaAOi/4QPSP+fzxB/4Ueof/AB+j/hA9I/5/PEH/AIUeof8Ax+ufvZ9Rt/gDpsukrM0w0qz8zyM+YItsfmFcc52bv51UtdR8P2HxC8NDwRNbCz1OG4S+itDiNlSPesjdg4IOSfm5waAOr/4QPSP+fzxB/wCFHqH/AMfo/wCED0j/AJ/PEH/hR6h/8frA8STXGp614W1RneOxbXIorOHOPMQxSkysP9oqNo7Lz/EQPQ6AOb/4QPSP+fzxB/4Ueof/AB+j/hA9I/5/PEH/AIUeof8Ax+ukooA5v/hA9I/5/PEH/hR6h/8AH6P+ED0j/n88Qf8AhR6h/wDH66SigDzvxp4K0u20G2eO61wk6tpqESa/fOMNfQKeGmIzgnB6g4IIIBroP+ED0j/n88Qf+FHqH/x+jx5/yLtr/wBhrSv/AE4W9dJQBzf/AAgekf8AP54g/wDCj1D/AOP0f8IHpH/P54g/8KPUP/j9dJRQBzf/AAgekf8AP54g/wDCj1D/AOP0f8IHpH/P54g/8KPUP/j9dJRQBzf/AAgekf8AP54g/wDCj1D/AOP0f8IHpH/P54g/8KPUP/j9dJUdxD9otpIfMkj8xSu+NtrLnuD2PvQBz/8Awgekf8/niD/wo9Q/+P0f8IHpH/P54g/8KPUP/j9cvoX9h2nxga00SOfRytk6zW00EkQ1B92d6hh820Akt1OeMjJqhFFH4i8DeK/Ft3u/ta2nu5LG5B+ezWAZjWM/wj5ecfeyc5oA7f8A4QPSP+fzxB/4Ueof/H6P+ED0j/n88Qf+FHqH/wAfrltIvI/H3i+0t9egS4soNAt737JIuY3nnAYuV6EgcDPTkitz4a309xpGrWE8rzLo+sXOnQvI25jFGQUBJ5OA2OfSgC7/AMIHpH/P54g/8KPUP/j9H/CB6R/z+eIP/Cj1D/4/XSUUAc3/AMIHpH/P54g/8KPUP/j9H/CB6R/z+eIP/Cj1D/4/XSUUAc3/AMIHpH/P54g/8KPUP/j9c/Z+CtLb4k6zbm61zZHpNg4I1++DktNeA5fztxHyjAJwOSANxz6JXN2P/JU9d/7Aum/+j76gA/4QPSP+fzxB/wCFHqH/AMfo/wCED0j/AJ/PEH/hR6h/8frpKKAOb/4QPSP+fzxB/wCFHqH/AMfo/wCED0j/AJ/PEH/hR6h/8frpKKAOb/4QPSP+fzxB/wCFHqH/AMfo/wCED0j/AJ/PEH/hR6h/8frpKKAOb/4QPSP+fzxB/wCFHqH/AMfo/wCED0j/AJ/PEH/hR6h/8frpK8ZvbvTH8OeKLnxDMlp4xsZ7iaCRzi4i2EtB5J6+XgKPl4OST1oA9C/4QPSP+fzxB/4Ueof/AB+j/hA9I/5/PEH/AIUeof8Ax+ue+IE8upfBWLUrvfHdPFZSsEcqAzyRBgQDg/eIwc16LQBzf/CB6R/z+eIP/Cj1D/4/R/wgekf8/niD/wAKPUP/AI/XSUUAc3/wgekf8/niD/wo9Q/+P0f8IHpH/P54g/8ACj1D/wCP10lFAHN/8IHpH/P54g/8KPUP/j9H/CB6R/z+eIP/AAo9Q/8Aj9dJRQBzf/CB6R/z+eIP/Cj1D/4/R8OP+SWeFP8AsC2f/ohK6Sub+HH/ACSzwp/2BbP/ANEJQB0lFFFABXN+F/8AkYvGf/Yaj/8ATfZ10lc34X/5GLxn/wBhqP8A9N9nQB0lFFFABRRTJporeB5riRIoo1LO7sFVQOpJPQUAc74t8JNr1xp2p6Zdiw1nS5DJaXJTepBGGjde6kceo/OszxD4f8UeLNNtNO1KPSLKKG6juJbi3uZZWfY2cBDGu3Puxrt2YIpZjgAZJ9KpaTrNhrlq9zpVwLiGOVoWcKVw6nDDkDpQBz93oPiPT/F17q/hm5054NUWP7XbX4cbHRdgdGQHPygAqcdOtRXnh3xAfHOjavAbG6t9Pt5IZnuLl45ZTLgswURsFwRwuenHFdnRQB5zH4K8Sz6ffCebTbK+/to6zYTQSvMqSEYMcisi5XBIyPXoMVr6p4f8QeJfB+qafrtzYwXd3bGCGOzLmFDnO5iwySSAOnA6Zya6+qen6rZ6qLn7BN5v2W4e1m+Rl2yJ95eQM4z1HFAHI6h4e8U3194XumTSC2jyGWdRcyqGymzav7s545yccnGBjJl0/wAM+JdEvtQstI1CwGiX1y9yrzB/tNqZDl1QD5W5JwSeM8g10za3py68mjG5H9oPEZlg2tkoMZOcY7jvV+gBANqgDPAxyc0tFFABRRRQAVzfgP8A5F26/wCw1qv/AKcLiukrm/Af/Iu3X/Ya1X/04XFAHSUUUUAFYR8F+Hv7dOtrpFudT8zzRcnIbf65rdooA4mO08fpqk961t4beWT5EZ7q4Pkx5yFA8sfUnufYADU1/T/EWsiTTbW5s9O06ZAk15GzPcspHzBEICoTyA25sdcZroqKAMOTTr/RtDs9L8HWunxRQJ5Sm8lcCJQOCFVSXPUnLL9ear6V4ZufD2g6h/ZdzHda7fFp5b28UhZpyOCwXkIOgUdBXSUUAYWpx+KLi0gttMk0y1kkhAub1y7mJ/4vLixgjuCzfUHvnXPgWO28FwaNoVx5M9rdR3qzXOXFxMkgkJlxywYjn049MV11FAHKW/hi61LxBd6t4htrG3NxpradJb2UrSiZGYEs7siHjGAMcAnms+28F6vLp+jaFq1xZyaPo1wkscsbOZrpYs+UjqQFQDjOGbO0dK7uigDjj4a1rSr7W18PvYvZa1I1w4u3dWtZmUK7KFUiQHAOCV5710OgaNB4e8P2Wk2jM8VnCIlZurY6k/U81oUUAFFFFABXN/Dj/klnhT/sC2f/AKISukrm/hx/ySzwp/2BbP8A9EJQB0lFFFADJoY7iCSGZQ8cilHU9wRgiudi8I2fhqyu5vA+k6daanNGEVp2dIzz/EQCcDrgDn1FdLRQBynh2z8X2NzHFqkOhrau7SXM0E80k8rkdfmRRknHsAMAYAFJd+HNV8TalbN4pezi0u0mE8enWbtIJ5FPymV2VcgddoXGepNdZRQBz3iHT/EGsmXTbO5tNN0yZdkt2js9yykfMqrtCoTyN2W9cZqwml3Wj2Ok6d4Yjs4LG1kVJ45wxPkAHOwj+PODk++a2aKAOW13QdZ8UyPpupTWtloLSZljtZHee7QHIRmKqIwe4G49s0eJNO8R3BtrLw/baOdKiQeZDdzyRmTHRMIhGwYHGeeh4yD1NFAHMzjxvL4flWNNDi1R5dqlJpfKjixyclCS+c4+UAe/Sjw/b+KbGM2+oWmiRWsULeSlpcTO0kmcjczpwCckthiSc4rpqKAOWt/Deo6p4htdZ8WTWrNYZNjYWZZoYXPBkZmALvjgcADsM811NFFABRRRQBzfjz/kXbX/ALDWlf8Apwt66Sub8ef8i7a/9hrSv/Thb10lABRRRQBh6t4L8O67qK3+r6Tb3V0qhRLIDkAcgdfes3VrTxnP4g+02NtoMtlbnNpHdXUwYNjBdgseN2CQOTgE+ua66igDBuv+EsfS7eK0XSIr2RD9puGkkZIW7bI9uX+pZenTnhul+H5fC/h6W30JIr7UJpTPPPfTGP7RMx+aR2VWP0AHYDI610FFAHO6F4amtdYude125jvdZuIxCHiUrFbQg5EUYPOM8knkn0qZT4rTRUDR6PNqbSuHbzZY4Uj3HaQNpZjjGRlee9blFAHK2fgW3/sXWINYuGvtQ1xCuoXm3aW+XaqoP4VUdB+dVYPC2t30Gh2Gvy2LWei3EVwk9u7mW6eIER7lKgR9cnBbOO1dpRQBlXmlS3vibTr2Vo/slhHK6Jk7jO4ChsYxgIXHX+OmXz+JU1Y/2bBpU2nNEADcTSRzI/OTwrBl6cfKfetiigDL8NaHH4c8P22lxSeYIS7M4XaCzuztgdhuY4HYVqUUUAFc348/5F21/wCw1pX/AKcLeukrm/Hn/Iu2v/Ya0r/04W9AHSUUUUAFFFFABVHVhqps0/sNrRbjzk3m7DFPL3fPjbzuxnFXqKAOUuvD+r6d4m1LV/DDWROrQxpdRXjsojljBVZV2qd3ynBXjOAc0L4VudH+Gp8NaD5FxO1q8Blu5WjVmkDb5DtVj95icfhmurooA5/QbLW9G8C2WnNb6fLqVjbR20ai6cQyBAF3F/L3DgE42nnjPcV9N8JPNqd3q/imaHUNQuoDaiOJSsNtAesaA8nPdjyfYV1FFAHn+s/CPw5czaYdK0awt0hvlluw24ebAEcFB1ydxU9unWu+RFijVIxtVQAo9AKdRQAUUUUAFFFFAHN+PP8AkXbX/sNaV/6cLeukrm/Hn/Iu2v8A2GtK/wDThb10lABRRRQAUUUUANdFljZJBuVgQw9Qa5608HaZ4dgu7jwfpdjY6lJCY43kDbCeoDYOcZA6V0dFAHNw6Pqup63pWqeIY7G3l0sSNFHZSvLveRNhJZlUqu0n5cHnHPFZE/grVodP1rQtJuLOLR9ZneV5ZGfzrVZP9aiIBhwecEsMZ6Gu7ooA5Ofwtd6V4gttX8LLab0sBp81rdysiPGuDGwZVYhl6YxyD1HWtHwp4f8A+Ec0d7eWYXF3c3El3dzAYEk0jbmIHYdAPYVt0UAFFFFABRRRQAVzdj/yVPXf+wLpv/o++rpK5ux/5Knrv/YF03/0ffUAdJRRRQAUUUUAFFFFABXKat4e1bxVdC18QvZ2+hRyiRrO0keR7zacqJHZVCrkAlQD9a6uigDlviBoWreI/Cr6NoiWK+e8ZkkupnjEYSRXAUKjZztx2x710lq1w1rGb2OOK4KjzEikLordwGIBI98CpaKACiiigAooooAKKKKACub+HH/JLPCn/YFs/wD0QldJXN/Dj/klnhT/ALAtn/6ISgDpKKKKACub8L/8jF4z/wCw1H/6b7Oukrm/C/8AyMXjP/sNR/8Apvs6AOkooooAK4j4h3+mXiweFtU1a10yDUInlupp7hYiIl4UAsRy0hX8Eeu3rB0PQtQ07XNU1HUtSt75tQZSoSzMTQqowqBvMbKgZOMdWJzzQBlfC3xJ/wAJB4NjiuLiOe90xzZXLxuHEhThXBHUMuDnvzWB4d1+bw38O9X1C2gWaT+3riIGTIjj3z7d7kchRnJrorXwdqth471LxFY63awxaiqrPY/2eSrbRhGLeby49cDOTxzXP6poNz4R8E3Onalrfm2+paosrXcOnFVtt775DKCzhozjbggdcEkHgA1YPFGvWHibVrXXLjS59N0nTRqEstlZyK7qQx25MrBT8ue+R6Zon8X69pel6Rr2qW9g+k6lJCskFuria0WX7jFyxEmMgEBV68ZrO8I2YlZ9LsdY0nXdEvY5Y75dP0lbRIwUIyXjJUk/d2nnBJ7Vt2XgW6j0+w0jU9a+36Pp0qSQW7WoWVwhzGkkm4hlXA4CrnAzQA3TfEHiXV/E+rafaxaVHb6VfxRTNKJN0kTKGbbg43YPBIx7Vz/iTxTrmo/DPxHcpLa2c1hqzaa5iiZvMiEqRHBLcE7ySfTjAPNdZ4f8L6loviDWtSn1a3uk1ZxKYVsjH5TgBVIbzDkbRgjHJ5yOlZcfw6u5PCuv6LqGuRzDWL03yzQ2JjMEpkEh4Mjbl3KuBxjnk54AK2prq6fFjR0jmsptR/sW4BmaF44R+9XnZuZunbdz6ipH8ca5H4RW/a0sPt1vrH9l3S5fy2ImERZBnI69yce9aJ8Ja23i2y16TxBayTWtq1sUfTTiQMdzHIlGOcY44AGcnJOY/wAO9ck0e409vEtnsn1T+1GcaU24SeZ5hX/XY27gPf3oAupr3io+L7zw4yaP9p+wpfW9wEl2Rxl2Qq65y7ZA6FRjn2rX8F6/N4l8K2+oXkUUV15kkM6Q52B0dkOM84OM/jVE+FtaHjV/Eaa3ZCVtPFj5B01ioAJcNnzs/fJOPTjr81WvBfhq68KaLJp91qMeoK07zI6WxhILsWYH52zyeOlAHRUUUUAFc34D/wCRduv+w1qv/pwuK6Sub8B/8i7df9hrVf8A04XFAHSUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXN/Dj/AJJZ4U/7Atn/AOiErpK5v4cf8ks8Kf8AYFs//RCUAdJRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAc348/5F21/7DWlf+nC3rpK5vx5/yLtr/wBhrSv/AE4W9dJQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFc348/5F21/wCw1pX/AKcLeukrm/Hn/Iu2v/Ya0r/04W9AHSUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHN+PP+Rdtf8AsNaV/wCnC3rpK5vx5/yLtr/2GtK/9OFvXSUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXN2P8AyVPXf+wLpv8A6Pvq6Subsf8Akqeu/wDYF03/ANH31AHSUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXN/Dj/klnhT/sC2f/AKISukrm/hx/ySzwp/2BbP8A9EJQB0lFFFABXCaZ4T8Oa94t8YXWuaBpepXCatFGst5ZRzOqiwtCFBYE4ySce5ru65vwv/yMXjP/ALDUf/pvs6AD/hXHgj/oTfD/AP4K4P8A4mj/AIVx4I/6E3w//wCCuD/4mukooA5v/hXHgj/oTfD/AP4K4P8A4mj/AIVx4I/6E3w//wCCuD/4mukooA4bVtA+FOgSxx67pPg3TJJVLRpeW1rCXA6kBgMiptK8LfDDXYWl0TQvCWpRocM9nZ20wU+5UGs/4z/L4T0qQQefJHr1gyIMbmPnDgE4AJ6ckdahstC13UfjAPF/9hPoVnb6Y9rJDNPCZ9RkJyu4RM6hRxgls8Dt0AOl/wCFceCP+hN8P/8Agrg/+Jo/4Vx4I/6E3w//AOCuD/4muZ0Lx/rl14v0fSNT/smU6pDOZYbKOQnT5o13eU04d45iOh27SCOlJpXivxr4h0DU9Ss/7EsYLC4v7aR3hlkkJh3BHRd4HUDIJ/lggGzq3hL4caFaR3Oq+FPD8EMk8dujf2RE2ZJGCIMKh6sQM9PWr3/CuPBH/Qm+H/8AwVwf/E1xOieKvEXh/wCD3hPVLiex1CTUZ7KAl7d0ZI5mVTuPmHe/JO75R/s11V/4g8QalrmuaZ4STT0l0SOLzTfxPJ9pmkj8wRLtdNg2lPnJblvu8GgCK58L/DS016y0W48MeHU1G+V3t4P7JiJkCDLHITAwPU+nrWj/AMK48Ef9Cb4f/wDBXB/8TXNavPd3PxW+Gc+p2n2K8kstSae2Egk8lzDDuXcOGwcjI61Tb4p6zdtb6loekXGoadJemBrKLQ71pTCJChmW5C+STgbtmOnG7NAHY/8ACuPBH/Qm+H//AAVwf/E0f8K48Ef9Cb4f/wDBXB/8TXSUUAc3/wAK48Ef9Cb4f/8ABXB/8TR/wrjwR/0Jvh//AMFcH/xNdJRQBzf/AArjwR/0Jvh//wAFcH/xNc/4L8A+D7rQbmS68J6HM66tqUYaTTYWIVL6dVXJXoFUADsAB2r0Sub8B/8AIu3X/Ya1X/04XFAB/wAK48Ef9Cb4f/8ABXB/8TR/wrjwR/0Jvh//AMFcH/xNdJRQBzf/AArjwR/0Jvh//wAFcH/xNH/CuPBH/Qm+H/8AwVwf/E10lZv/AAkmh/2p/Zv9s6f9v37Psv2pPN3f3dmc59sUAc+PCfwyOqHTRoHhM345Nr9jtvN/74xn9KXUPCPw00ny/wC1fD/hSx807Y/tNlbR7z6DcozVXxT4Q0yaz0rS9Js411QXsVxHdqoEsYRw0szsBk5GRz1ZhRK0mlfEPXbjXtMubvT9QtIVs7mK1adI0RSJImwDsyxLZOFPc8UAX7rwN8PbKza7vfC/hm3tlG5ppdPt0QD1LFcUWXgb4eajarc6f4X8M3du/wB2WDT7d1b6ELiuG8MtqbeGPBurPY3eoaNY3t2GgjiMsixHckEmwZLBPm6ZIBBFdN4MvFuviX4tGmxSxadttnkSSMx4uCp3HaeQSoGQcHpkZoA0dQ8GfDjSbb7RqvhvwtZQZ2+bc2FvGufTLKBT18C/D5rL7YvhbwybXZv88adb7Nv97dtxj3qtrf2rT/iZp+q3mn3V7pJ057ZHtrdpzazmQMXKKCQGUBdwHb0ri7Jb/UNA1aTRbCe60ey8VLP9gRMtLbqQ0saJ0IDkNt6HBFAHc6f4O+G+rwGbSfDnhW+iU7TJbWNtIoPplVNMt/Cfwzu9QlsLXQPCc95D/rLeOytmkT6qBkVgXV5Nq3xLvYfC0dxZ3Fz4clE5ngaDEmcQsysAQwJxkgHHTIrO1C/Fv4V8GWUGkXum67Z6jawIktq0eHHyy4cjDqw3EkE9cmgDsLrwn8M7G9is77QPCdtdTf6qCaytkeT/AHVIyfwq9/wrjwR/0Jvh/wD8FcH/AMTXI3rrpWm+ObXxXpd1J9smnuYb1bZpIpYCgEa+YBhSmMYJHPTk12vgeW8n8B6JLqZY3T2URkL/AHj8owT74xmgCD/hXHgj/oTfD/8A4K4P/iaP+FceCP8AoTfD/wD4K4P/AImukooA5v8A4Vx4I/6E3w//AOCuD/4muf8AAPgHwfefDbw1dXnhPQ57ibSbWSWWXTYWeRjCpLMSuSSTkk16JXN/Dj/klnhT/sC2f/ohKAD/AIVx4I/6E3w//wCCuD/4mj/hXHgj/oTfD/8A4K4P/ia6SigDm/8AhXHgj/oTfD//AIK4P/iaRvh14GVSzeDvDwUDJJ0uDj/x2ujkkSKNpJXVEQFmZjgKB1JNY41Hw/4stZ9Ps9VsdRjIUzxWt0kmU3A4YKT8pxg+oJFAGRp/hL4aat5n9leH/Cl75RxJ9msraTYfQ7QcUh8J/DNdUGmNoHhMX5GRaGytvNP/AADGf0og0Cz/AOFnQalotpFaQ2NjJb3skCBFmdypSPAwCVALH0yorh9Vnk0j4Q6hpmuabewa9a3RkW7Fs22ecz7kmSbGGJyBjO7tjFAHc6h4R+Gmk+X/AGr4f8KWPmnbH9psraPefQblGauL8OvAzKGXwd4eKkZBGlwc/wDjtYkL3OmeN9XufE+l3N1a6jYW629xFatPHEEQiWJiAdgLktk4U9zxVv4STTT/AA4snl3+SJZltfM+95IkYJ+Q4HsBQA+68J/DOxvYrO+0DwnbXU3+qgmsrZHk/wB1SMn8KfqHg74b6RAJtW8OeFbGJjtElzY20ak+mWUVzl666Vpvjm18V6XdSfbJp7mG9W2aSKWAoBGvmAYUpjGCRz05NdB4bsLS78E6RrHiyGK4uE0qNZGvEDiNcZJwRwzAjd64HpQBaj+H/gKa3WeHwl4ckhZdyyLpsBUj1zt6VR07w18LdYmaHSNF8IX8qLuZLW0tZWUdMkKDgc1HoPhK+T4Z3WiW1y+jtfSzvAHj81rSGSQlY9pI52nB9CTVTQL+68Jza3p2t6XpovLHT2v4r3TrUQreQrnIZQOGB4x05/EgGreeDvhtp0sUeoeHfCtrJMwWJJ7G2QyEnAABXk59Kuf8K48Ef9Cb4f8A/BXB/wDE1xvhvU7nQdO0vxP4n0iK6k16SMz6uLgPLB5v+qXyyvyRAFRhWPqRXq1AHN/8K48Ef9Cb4f8A/BXB/wDE0f8ACuPBH/Qm+H//AAVwf/E10lFAHnfjTwD4PtdBtpLXwnocLtq2mxlo9NhUlXvoFZchehViCO4JHeug/wCFceCP+hN8P/8Agrg/+Jo8ef8AIu2v/Ya0r/04W9dJQBzf/CuPBH/Qm+H/APwVwf8AxNH/AArjwR/0Jvh//wAFcH/xNdJRQBzf/CuPBH/Qm+H/APwVwf8AxNUb3wn8M9NuYrfUdA8J2k83+qinsrZGk5x8oIyfwroL7xJoel3gtdT1nT7O4YAiG4ukjcg9DtJBrE8XeHtHk8P6s11p0d/e6irRx70DSySlcRojYyAMAjH3QCx7mgBb7wR8O9MtWudS8MeGLO3UgGW40+3jUfiVxSweBfh7dWS3lt4W8MzWzLuWePT7dkK+oYLjFZN5p+o6DrHg6e/t7nVNP02xNpcNbQtO0VxsVRMUUFiDtIyASMn1rmnjv9XtfHEHhu0ml02PVbWUWO3a0uArXMQXsSQMr9QRk4oA7bTvCHw11dHfSfD3hW+WM7Xa2sraQKfQ7VOKnuPAPgGzt3uLvwn4bghjG55JdNgVVHqSVwKwf7Vgvvi/4dbR7S7tGl064F+lxatbsYQF8rKMAeHyM4x6E1seP7e+b+w7y3s5tQsbHUVnvrSBPMd02kKwT+PaxB2/Q9qAC08G/DfULE3th4c8LXVquczw2Ns6DHX5guOKo22kfCK8uY7e00/wVPPKwWOKKC0ZnJ6AADJNV9ImtdY+LWu21pbzLptxpEJv4Zomi3zlyFLIQCMxnGGAJHUEVr3GladcePdMtLKytoV0uFr+YwxKp3tmOFTgdP8AWt9UFAEGpeGfhdo8qRavonhCwkddyJdWlrEWHqAwGRT7/wAJfDPSoI59U8P+E7KKX/VyXFlbRq/0LAZrH8YaRq2h6te+LJo9N1/TFKvc2F1Yr5tvAowTFIc5wMsQcDqcc1b8W3d7pfiyw1/QrNNblbT3il00AiVYd27zkOOOSFIP3uAMkcAGvD8P/AdxCk1v4S8OSxSDcjppsDKw9QQvNSf8K48Ef9Cb4f8A/BXB/wDE0nw+FgfBlrLpV2LqCeSWYsE2BHeRmZAh+6FYkAe1dLQBzf8AwrjwR/0Jvh//AMFcH/xNc/408A+D7XQbaS18J6HC7atpsZaPTYVJV76BWXIXoVYgjuCR3r0Sub8ef8i7a/8AYa0r/wBOFvQAf8K48Ef9Cb4f/wDBXB/8TR/wrjwR/wBCb4f/APBXB/8AE10lFAHN/wDCuPBH/Qm+H/8AwVwf/E0f8K48Ef8AQm+H/wDwVwf/ABNdJRQBzf8AwrjwR/0Jvh//AMFcH/xNH/CuPBH/AEJvh/8A8FcH/wATXSUUAcff+D/hrpXl/wBqeHfCtl5rbY/tFjbR7z6Dcoyafe+Cfh3ptobrUfDPhi0txjM09hbogz05K4qjoCR638SfGf8AakKzrbLbWMSSjcFhaMsygHsxOT+FV/hta2+tfD/SrvXkW6GnfaIIftQDIqLIVDHd3Crtz2GfU0AbNr4D+H99bJc2XhXw1cwSDKSw6dburD2IXBot/Anw+u/M+yeFfDU/kv5cnladbtsfAO04Xg4IOPcUzwFoiabZ6vLBB9n0/UdQkuLS1K4VIiAudvYMQWA7Aiq3w2ijgbxZFCixxr4juQqIMADZF0FABeeG/hZp18tlqGjeD7W6bG2Ce1tUc56fKRnmtL/hXHgj/oTfD/8A4K4P/ia5fVdM1Twn4j/4SDVU07X9Mur5PPeSwVLmx3sFRkfksq/KOTkcY9a9MoA5v/hXHgj/AKE3w/8A+CuD/wCJo/4Vx4I/6E3w/wD+CuD/AOJrpKKAOb/4Vx4I/wChN8P/APgrg/8AiaP+FceCP+hN8P8A/grg/wDia6SigDzvxp4B8H2ug20lr4T0OF21bTYy0emwqSr30CsuQvQqxBHcEjvXQf8ACuPBH/Qm+H//AAVwf/E0ePP+Rdtf+w1pX/pwt66SgDm/+FceCP8AoTfD/wD4K4P/AImj/hXHgj/oTfD/AP4K4P8A4mukooA5v/hXHgj/AKE3w/8A+CuD/wCJo/4Vx4I/6E3w/wD+CuD/AOJrpKKAOb/4Vx4I/wChN8P/APgrg/8AiaP+FceCP+hN8P8A/grg/wDia6NmVFLOQqqMkk4AFZdrrWgeIlnsrDVbDUd0Z82K2ukkOw8HIU5A5x+NAGHY+EvhpqkssWm+H/Cl5JCcSpb2VtIYz/tADj8aJ/CHw1ttQisLnw94UhvJv9VbSWVsskn0Urk/hWXazQR/GS1W80S40VvsMttYOFj8u+wdzZKEgbVXIU88knGMHK0+NNY+FPjbVb+MPezz305lI+ZGhX90Aeo2bFx6YoA6vUPBnw40mAT6r4b8LWURbaJLmxt41J9Mso5qzH8PPAssayReEPDro4DKy6ZAQwPQg7a5jwhfT+IvH1rNq6+a9t4atZY1cZCvMA0jYPc8DPoK1/hhK40vXrDkW+m69eWlqp6JErAhR7AsRQBpf8K48Ef9Cb4f/wDBXB/8TR/wrjwR/wBCb4f/APBXB/8AE10lFAHN/wDCuPBH/Qm+H/8AwVwf/E0f8K48Ef8AQm+H/wDwVwf/ABNdJRQBzf8AwrjwR/0Jvh//AMFcH/xNc/Z+AfB7fEnWbVvCehm3j0mwkSI6bDsVmmvAzAbcAkIoJ77R6CvRK5ux/wCSp67/ANgXTf8A0ffUAH/CuPBH/Qm+H/8AwVwf/E0f8K48Ef8AQm+H/wDwVwf/ABNdJRQBzf8AwrjwR/0Jvh//AMFcH/xNH/CuPBH/AEJvh/8A8FcH/wATXSUUAc3/AMK48Ef9Cb4f/wDBXB/8TR/wrjwR/wBCb4f/APBXB/8AE10lFAHN/wDCuPBH/Qm+H/8AwVwf/E1Dc+A/h/ZRCW88K+GreMsqB5dOt1BZjgDJXqSQAO9dVXkXjXxRoevWUF6Nd05o7bUrYWlqt3GWCiZfMndc5HAOM/dXJP3iAAdw3w68DKpZvB3h4KBkk6XBx/47Udt4C8AXlrHc2fhTw3PBKoaOWLToGVwe4IXBFZ/ibxVoOoGbSZNe023tBbia5L3kam4DJujjTJ5VgQxI4KkAZ3HF34YXltd/DXRRaXEU5gtUilEThvLcKCVbHQjI4PPNAFj/AIVx4I/6E3w//wCCuD/4mj/hXHgj/oTfD/8A4K4P/ia6SigDm/8AhXHgj/oTfD//AIK4P/iaP+FceCP+hN8P/wDgrg/+JrpKKAOb/wCFceCP+hN8P/8Agrg/+Jo/4Vx4I/6E3w//AOCuD/4mukooA5v/AIVx4I/6E3w//wCCuD/4mj4cf8ks8Kf9gWz/APRCV0lc38OP+SWeFP8AsC2f/ohKAOkooooAK5vwv/yMXjP/ALDUf/pvs66Sub8L/wDIxeM/+w1H/wCm+zoA6SiiigAooooA5D4geD9V8Z2dnaafrtvpMFtcx3ZL2BuHaSNtyYPmKAueowc+tdDNYz32gS2GoXSme4tmhmuLWMxDLKQWRSzFeuQCxx61blljgheaeRY4o1LO7thVA5JJPQVgWnj3w5etAIb6RFupEjtpJ7SaFLlmOFETugWTPX5CeOenNAHP6X8N9W04eGS/ihJX8ORyQW4XTFRJImi8sBhvJ3YAy2ecdAea0fBvgi+8OaJq+l6rrMOpwalcTXAMNkbdommLGQZMj5GSMdCOeTnjsaKAPNp/hfrMngTR/DUXiqAJpNzDNFNJpW7KwsDEu0Sj0+YknPGAvOda98DakPFk/iDw94jbSLrUIY4tUjFks0dyYxtWRQzfI4HGcsMYyDXZ0UAcXqXgbUbnxj4c1nT9cht4NBiliS3uLFpnn80ASs8nmr8xCjB28HJOc4pmk/D+/wBEvJ7Sw8TTr4bnmeb+yWtVZo97FmjSbOVjJJ+XbnBOCDzXb0UAFFFFABRRRQAVzfgP/kXbr/sNar/6cLiukrm/Af8AyLt1/wBhrVf/AE4XFAHSUUUUAFVTpdj9pNytlbC5zuExhUtu9c9atUUAcZF4W8XRXlxcr4xtRJcNl3/sYFgo6KCZTgDJwPcnkkk6WueHL7X2a0vNZaLR5FCy2lvBslnGPmV5dx+U9wqrxxmuhooAyb/S77+zrex8PX8GjwRL5Z22glZUAwoTLBVx7hvpUFj4Yj0bwzc6ZoV1JaXM4d2v5FEsrTN1lfP3mzz+lbtFAGFqej6zqNpBaR+IDaQ+SI7qWG1AnmbozK+7bHn2UkdjUqaG+leHYNJ8Ky2+lpAAqNJbmcBec8bl+YnncSe/BrYooAw9E8Mx6Fb3ssFy1zql8d9xqF0u5pXAwuQMfKvZRgAfnUOneFXXXE1rX9QOq6jChjtj5IihtVP3vLjycE92JJxxnFdFRQBzeqeFbjxBfAa/qYudJSUSJpkNv5SSYOVErFmMgB5wNoJ6iukAwMDgUUUAFFFFABXN/Dj/AJJZ4U/7Atn/AOiErpK5v4cf8ks8Kf8AYFs//RCUAdJRRRQAjKrqVcBlYYIIyCKy73Rium3EXh1rTSLyVdq3S2avs99oK59snHsa1aKAOX0Hw74i0q4gW78SwXNjGWL28WmCJpCc8ly7HOTknqfXmnjwpPqGs2+oeJtTGpCzk820tIrfyYIn7OVLMWYdiTgdgK6WigDn9e8O33iGR7W71gwaNIAJbO2g2STDurSlj8p7hVU44zV240udY9Nh0a8GmWtlKpkgjgVlmhCkeVz90dOR6Vp0UAc3qnhW48QXwGv6mLnSUlEiaZDb+UkmDlRKxZjIAecDaCeopfEega3q95bPpmu2+n2tvhvs8mn+eHkB4YnzFzjjAxweeoGOjooA55dI8S/2OYW8URnUPPEguhpqCPyx1jMe7oe53A+mKt2uhgyXU+rypfXN3D9nlIi8uMRc/IqZJAOSTkknPXAAGtRQBx9t4EljsbLSLzVvtWh6fMstvaNb4lIQ5jR5dxDKpx0VScDJrsKKKACiiigDm/Hn/Iu2v/Ya0r/04W9dJXN+PP8AkXbX/sNaV/6cLeukoAKKKKAKtxplhdTebdWNtNJjG+SFWb8yK57UvDnia7199RsvE9raxgbLeB9KEvkL3wTKMk9zgenArq6KAMG60nX7jS7e0j8RJBIEIurtLFfNlJ7p822P8VY9OfWW10D+xPDi6X4YlhsWXkT3EJnLMTlnYblLMeuSevbHFbNFAGJoPhqHRri6vri5k1DVLwj7RezABmA6IoHCoOyj8c0i6X4gj0VLVPEMb3nmu0l7NYBmKFiQqoHCggEDJz06VuUUAZPh/wAO2nh6zljt2knuLiQzXV3Ocy3Eh6sx/kBwB0qXTtJ+w6hqV7JN501/Mrk7dvloqBVQcnIGCc+rGtGigDnjoGq3gurTWtbS+0y4lZjAtkIpDGT/AKpnDYK44Pygkd+adqfh67m8Rx65o2pR2V79l+ySrcW3nxSxhiy/KHQggk8hu/IrfooAy9A0RNC0+SBZmnlnnkuZ5SoXfI7bmIUcAZ6D+fWtSiigArm/Hn/Iu2v/AGGtK/8AThb10lc348/5F21/7DWlf+nC3oA6SiiigAooooAKo6taX17ZpHpmonTpVmR2lEKybkDZZMH1HGe1XqKAOb1DwvdNrt1q2g6oNMuL+BYLzdb+cJNmdjr8y7XAJAJyMdqq3fgu8i8P6bonhvV4dM0+yTbJHNZfaDcHr83zqME5JGOSeeOK66igDI0ew1yzhuf7Y1uHUppAPJZbEQpFgHqoYlskjuOnGOtUfCXhnUPDk+qve6rb36alePessdmYSkrgA4PmN8uFHGM+9dLRQBz1r4f1WaKKDxFraapbwzCYKlkIGlKtuQSEMQQCAflVckDORxXQ0UUAFFFFABRRRQBzfjz/AJF21/7DWlf+nC3rpK5vx5/yLtr/ANhrSv8A04W9dJQAUUUUAFFFFACEBlIYAgjBB71nT6NFHZXCaKsGl3csZRLqG2QmM9jgjDc9jWlRQBg2egXsmo2N/wCINSi1C408P9n8i1+zoGZdrOw3sS20kcEDk8Vm3fgNpl1SxtNUNro+rzme8s1twX3NjzBHJuGwPjnKnvgiuwooA52/8LN/bFtq2gXcWmXsFqbJt9t5sckOQVUqGU5UjIOeO4Iq94d0G38OaOtjbO8pLvLNPJjdNK53M5x3JP4DArUooAKKKKACiiigArm7H/kqeu/9gXTf/R99XSVzdj/yVPXf+wLpv/o++oA6SiiigAooooAKKKKACuc8QeCtN1vTo7aC3tLJkuYZzIlqpJCOGK8Y64x+PeujooAzrrQdMuoJEbT7Te0flhzbqSo24HbsMflUXhfQYvDPhqy0mJ0l+zRKjzLEI/NYDG4jJ5OPU1rUUAFFFFABRRRQAUUUUAFc38OP+SWeFP8AsC2f/ohK6Sub+HH/ACSzwp/2BbP/ANEJQB0lFFFABXN+F/8AkYvGf/Yaj/8ATfZ10lc34X/5GLxn/wBhqP8A9N9nQB0lFFFABRRRQBm+I9Ms9a8M6jpepymG0vbZ7eWQOFKK425BPGea4H+19d8Gf2ZpHxDsbfWNF+0wQ2uvWY2GKQOvlGeI/dO4D5lJHqOa9D1jSrbXNGutLvw5truMxShGKsVPUAjkfUViT+Bbe+mtxq2satqVjazJPDp91LGYg6HKlmCCSTBAPzu3IoA5bUr/AMS6d4w8R6Ld+LL2EXGmi/0GRbS1O0h9rxYMXzsGMagZyVf1+YWPB+sa34j0vw1EfEF4upW0kza8Gt7f5mibY8DAR4TMmApXB2BuScMO01bw1putarpOo6hD5lxpM7T2zZ6My7SD6j7rfVFPak0nw1puiarq+o6fD5dxrFwtxdNxyyoFGPbgn6sx70AeeQ+LfEUPiPQZG1l9RttS1mSwult7SP8As9FxKUWGUosruBGMnLrkOMjAB1fDd54p8Q+JPEMLeIxbW2ja0YEiWxjbzovKVthJ5Ay2QRz7kVZs/hNpFjp+nWEGr639l0u+F7YxG7XFuRu/drhOV+dhzlhnhhWjoPgVfD15rd1Z+IdXlm1p2lnaf7ORHMRgSoBCAGAAAByvAyDQBwh8VeMYPhrpnit/ECSTR6u1pPamxjEd1Gb14PmONykADBUjpzk811uk6prdh8WZ/DWq6sdTtbnR/wC0ot1skXkOswjZFK8lTuBG7cfeq5+Edk3g5PDLeJdfOnpd/bFy9t5gfzDJ97yenmEt9fbita38CrD43g8UzeIdXub6GzFiY5fs4iki4JDKsIOS4DkgjnpgfLQB1VFFFABRRRQAVzfgP/kXbr/sNar/AOnC4rpK5vwH/wAi7df9hrVf/ThcUAdJRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFc38OP+SWeFP8AsC2f/ohK6Sub+HH/ACSzwp/2BbP/ANEJQB0lFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBzfjz/kXbX/ALDWlf8Apwt66Sub8ef8i7a/9hrSv/Thb10lABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVzfjz/kXbX/sNaV/6cLeukrm/Hn/Iu2v/AGGtK/8AThb0AdJRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAc348/5F21/7DWlf+nC3rpK5vx5/yLtr/wBhrSv/AE4W9dJQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFc3Y/8lT13/sC6b/6Pvq6Subsf+Sp67/2BdN/9H31AHSUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXN/Dj/klnhT/sC2f/ohK6Sub+HH/JLPCn/YFs//AEQlAHSUUUUAFc34X/5GLxn/ANhqP/032ddJXN+F/wDkYvGf/Yaj/wDTfZ0AdJTJ54rW3knuZEihiQvJI7YVFAyST2AFPrhPjXa3978GPEcOkhzcfZ1YiPqY1kVpB/3wGoAvL8Qbeew/tOx0LW7zR9pcalBbp5bIP41jLiVl75WM5HTNdHpupWWsaZb6jpdzHdWdygkimjOVdTVXw9eWNx4S028sJI/sLWcbxOpAUJsGPoAPyrxHwiNTtfBugvpuqXml6fq/jOeGy8k7B9ikSVlwpGDl0yMjHI4I6gH0CzKilnIVVGSScACsy61W5fTbC90GxGqxXksOSJxDsgfGZvmHO1Tnb1NeT+JLa/0lvH/hiXWdU1PSv+EWk1aFru7d5bWb94vl+YCGKnZu2E4xxjBOdC9Wfw/8O/h0dI1DUIBd6vpUdwDeyyeYku3ehLsTsOMbBhQMjHNAHrlFeaTWN5rHjvxxps+vaxBaQWNlPBHa3jRGF3WckoV5XlAcDr3zgVz9jqusDwX8OvFc+uanNf6lqVlY3UZuCIJYpSUYNEBtJ4DbiN2c8+gB67bXV/JrV7bXGm+RYwpGba889W+0MwO9dg5TbgcnrnjpV6vPdIe61P4k/EHRr3Vb9bGK30/yQl0yG2EkcrOYyPuE4HI54HPAqn4Us4r3xBP4otdW1a18NWqPDYLd6zdTpfvyGuGWWRgYxghB3wW/u0AenVRn1LfZai2kxrf3lkGT7MJAm+YIHEZY8LncvPQZ9q8p8PXuqp4t8E3MOp6teWGtG6S4vL28YJqIFu8qSJa7mWBcqCNpU46rzmq3hyx/sj4b/E7UtNvdRgu7PUdYWCT7fM+zysshwzEbsqMvjce5NAHs9lLPPYW8t5b/AGW4kiVpYN4fymIyV3Dg4PGR1xU1eYRavd6rqngXw3fahd29rqehm9uJobh4pryVI48J5qkOOGZztIJwOcZzzvivV/EGh+EfiTpUGtag0egtaS6bqBnbz0WcAtC0nVtueCSWwwyaAPcaK4OOO80b4x2Fomr6hdWuqaVczXFvdTmSMSxyRBXRekfEhBCgD2rvKACub8B/8i7df9hrVf8A04XFdJXN+A/+Rduv+w1qv/pwuKAOkooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACub+HH/JLPCn/AGBbP/0QldJXN/Dj/klnhT/sC2f/AKISgDpKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDm/Hn/Iu2v/AGGtK/8AThb10lc348/5F21/7DWlf+nC3rpKACiiigAooooAKKKKACiiigAooooAKKKKACiiigArm/Hn/Iu2v/Ya0r/04W9dJXN+PP8AkXbX/sNaV/6cLegDpKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDm/Hn/Iu2v/Ya0r/04W9dJXN+PP8AkXbX/sNaV/6cLeukoAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACubsf+Sp67/2BdN/9H31dJXN2P/JU9d/7Aum/+j76gDpKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigArm/hx/ySzwp/2BbP8A9EJXSVzfw4/5JZ4U/wCwLZ/+iEoA6SiiigAribHXYPD/AIo8VR6lY6x/pWpxzwSW2jXdzHIn2K2TIeKNl+8jDGc5FdtRQBzf/CeaR/z5+IP/AAnNQ/8AjFIfHekEYNn4gI/7FvUP/jFdLRQB5m1p8P28xBoXiSO2lYtJYxaRqyWrknJzbrGIjnPOV5rF+JniKDVV8M2WleDvFGqWOn6pHeXC2uiXMAjiSORNqblQhxvBGMAbeor2aigDgdO1Lwhp9heW8Oj+ImXUU23hutC1O4lnBXbtkkeJmbAJHLHHasyfTPh5c6RYaZJonihbPTpfOto49M1lCkgwFcsqAsyhQFJJ2gYXAr1GigDzRYfA6apqOopp3jBbvVIzHeSix1oGVew+7wBkgYxtBwMCqh0T4cnSbHS/7H8XCy0+f7RaQCy1sLBJxhl+XgjGR6EkjGTn1aigDzF7PwE95q10+leLGm1mIw37HT9a/fp/dI24AHQYxgEgYBIqawHgrTpraSCx8YyC0UrBDc2WtXESAoYyBHIrJ91iOnGeK9IooA8wsdP+HWm/Yfsnh3xAv9nzGe13aJqr+SxBBA3Rn5MMfk+7z0qW5g8A3S6sJdD8RqNZJa+EWjatH527G77sY2hto3BcbsDdmvSqKAPOZP8AhBpdBsNHk0bxI1pprbrJjo+redbHtsm8vzFxnAw3AwOgApt9H4E1Lw5JoV5oviV9Omm8+eMaRqytcP8A3pZBGHk7ffJ6L6DHpFFAHm0a+CY9cstXGn+L3v7CMRW80ljrT7E4+XDKQQcDIIOe+a6X/hPNI/58/EH/AITmof8AxiukooA5v/hPNI/58/EH/hOah/8AGKw/CXiyy0zRbiC+0/xBFK+p6hOq/wDCO37ZSW8mkQ8Q90dTjqM4ODXoFFAHN/8ACeaR/wA+fiD/AMJzUP8A4xR/wnmkf8+fiD/wnNQ/+MV0lFAHN/8ACeaR/wA+fiD/AMJzUP8A4xR/wnmkf8+fiD/wnNQ/+MV0lFAHN/8ACeaR/wA+fiD/AMJzUP8A4xR/wnmkf8+fiD/wnNQ/+MV0lFAHN/8ACeaR/wA+fiD/AMJzUP8A4xR/wnmkf8+fiD/wnNQ/+MV0lFAHN/8ACeaR/wA+fiD/AMJzUP8A4xR/wnmkf8+fiD/wnNQ/+MV0lFAHN/8ACeaR/wA+fiD/AMJzUP8A4xR/wnmkf8+fiD/wnNQ/+MV0lFAHN/8ACeaR/wA+fiD/AMJzUP8A4xR/wnmkf8+fiD/wnNQ/+MV0lFAHN/8ACeaR/wA+fiD/AMJzUP8A4xR/wnmkf8+fiD/wnNQ/+MV0lFAHN/8ACeaR/wA+fiD/AMJzUP8A4xWH4K8WWWkeAfD+m6hp/iCG7s9MtoJ4/wDhHb9tjpEqsMiEg4IPIOK9AooA5v8A4TzSP+fPxB/4Tmof/GKP+E80j/nz8Qf+E5qH/wAYrpKKAOb/AOE80j/nz8Qf+E5qH/xij/hPNI/58/EH/hOah/8AGK6SigDm/wDhPNI/58/EH/hOah/8Yo/4TzSP+fPxB/4Tmof/ABiukooA5v8A4TzSP+fPxB/4Tmof/GKP+E80j/nz8Qf+E5qH/wAYrpKKAOb/AOE80j/nz8Qf+E5qH/xij/hPNI/58/EH/hOah/8AGK6SigDm/wDhPNI/58/EH/hOah/8Yo/4TzSP+fPxB/4Tmof/ABiukooA5v8A4TzSP+fPxB/4Tmof/GKP+E80j/nz8Qf+E5qH/wAYrpKKAOb/AOE80j/nz8Qf+E5qH/xij/hPNI/58/EH/hOah/8AGK6SigDz/wAW+LLLU9Ft4LHT/EEsqanp87L/AMI7frhIryGRzzD2RGOOpxgZNbn/AAnmkf8APn4g/wDCc1D/AOMV0lFAHN/8J5pH/Pn4g/8ACc1D/wCMUf8ACeaR/wA+fiD/AMJzUP8A4xXSUUAc3/wnmkf8+fiD/wAJzUP/AIxR/wAJ5pH/AD5+IP8AwnNQ/wDjFdJRQBzf/CeaR/z5+IP/AAnNQ/8AjFH/AAnmkf8APn4g/wDCc1D/AOMV0lFAHN/8J5pH/Pn4g/8ACc1D/wCMUf8ACeaR/wA+fiD/AMJzUP8A4xXSUUAc3/wnmkf8+fiD/wAJzUP/AIxR/wAJ5pH/AD5+IP8AwnNQ/wDjFdJRQBzf/CeaR/z5+IP/AAnNQ/8AjFH/AAnmkf8APn4g/wDCc1D/AOMV0lFAHN/8J5pH/Pn4g/8ACc1D/wCMUf8ACeaR/wA+fiD/AMJzUP8A4xXSUUAc3/wnmkf8+fiD/wAJzUP/AIxWH4t8WWWp6LbwWOn+IJZU1PT52X/hHb9cJFeQyOeYeyIxx1OMDJr0CigDm/8AhPNI/wCfPxB/4Tmof/GKP+E80j/nz8Qf+E5qH/xiukooA5v/AITzSP8Anz8Qf+E5qH/xij/hPNI/58/EH/hOah/8YrpKKAOb/wCE80j/AJ8/EH/hOah/8Yo/4TzSP+fPxB/4Tmof/GK6SigDm/8AhPNI/wCfPxB/4Tmof/GKP+E80j/nz8Qf+E5qH/xiukooA5v/AITzSP8Anz8Qf+E5qH/xij/hPNI/58/EH/hOah/8YrpKKAOb/wCE80j/AJ8/EH/hOah/8Yo/4TzSP+fPxB/4Tmof/GK6SigDm/8AhPNI/wCfPxB/4Tmof/GKP+E80j/nz8Qf+E5qH/xiukooA5v/AITzSP8Anz8Qf+E5qH/xij/hPNI/58/EH/hOah/8YrpKKAPP/Fviyy1PRbeCx0/xBLKmp6fOy/8ACO364SK8hkc8w9kRjjqcYGTW5/wnmkf8+fiD/wAJzUP/AIxXSUUAc3/wnmkf8+fiD/wnNQ/+MUf8J5pH/Pn4g/8ACc1D/wCMV0lFAHN/8J5pH/Pn4g/8JzUP/jFH/CeaR/z5+IP/AAnNQ/8AjFdJRQBzf/CeaR/z5+IP/Cc1D/4xR/wnmkf8+fiD/wAJzUP/AIxXSUUAc3/wnmkf8+fiD/wnNQ/+MUf8J5pH/Pn4g/8ACc1D/wCMV0lFAHN/8J5pH/Pn4g/8JzUP/jFH/CeaR/z5+IP/AAnNQ/8AjFdJRQBzf/CeaR/z5+IP/Cc1D/4xR/wnmkf8+fiD/wAJzUP/AIxXSUUAc3/wnmkf8+fiD/wnNQ/+MUf8J5pH/Pn4g/8ACc1D/wCMV0lFAHN/8J5pH/Pn4g/8JzUP/jFYdp4ssovH2q6k+n+IBaXGmWUEUn/CO3/zPHLdM4x5ORgSpyRg7uOhx6BRQBzf/CeaR/z5+IP/AAnNQ/8AjFH/AAnmkf8APn4g/wDCc1D/AOMV0lFAHN/8J5pH/Pn4g/8ACc1D/wCMUf8ACeaR/wA+fiD/AMJzUP8A4xXSUUAc3/wnmkf8+fiD/wAJzUP/AIxR/wAJ5pH/AD5+IP8AwnNQ/wDjFdJRQBzf/CeaR/z5+IP/AAnNQ/8AjFH/AAnmkf8APn4g/wDCc1D/AOMV0lFAHN/8J5pH/Pn4g/8ACc1D/wCMUf8ACeaR/wA+fiD/AMJzUP8A4xXSUUAc3/wnmkf8+fiD/wAJzUP/AIxR/wAJ5pH/AD5+IP8AwnNQ/wDjFdJRQBzf/CeaR/z5+IP/AAnNQ/8AjFH/AAnmkf8APn4g/wDCc1D/AOMV0lFAHN/8J5pH/Pn4g/8ACc1D/wCMUf8ACeaR/wA+fiD/AMJzUP8A4xXSUUAc3/wnmkf8+fiD/wAJzUP/AIxUngG2ns/ht4atbyGSC4h0m1jlilQq8bCFQVYHkEEYINdBRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAf//Z)

Chart, scatter chart

Description automatically generated Chart, scatter chart

Description automatically generated

Genetic Algorithm Particle Swarm Algorithm

* *Ten Dimension*

Tab 13 Shifted Rotated Expanded Scaffer’s F6 Function 10D Result

![Table

Description automatically generated with medium confidence](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAkACQAAD/4RDsRXhpZgAATU0AKgAAAAgABAE7AAIAAAALAAAISodpAAQAAAABAAAIVpydAAEAAAAWAAAQzuocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEdlbyBUaG9tYXMAAAAFkAMAAgAAABQAABCkkAQAAgAAABQAABC4kpEAAgAAAAM0NQAAkpIAAgAAAAM0NQAA6hwABwAACAwAAAiYAAAAABzqAAAACAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMjAyMTowNTowNyAxMzozMTo1MAAyMDIxOjA1OjA3IDEzOjMxOjUwAAAARwBlAG8AIABUAGgAbwBtAGEAcwAAAP/hCx1odHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLjAvADw/eHBhY2tldCBiZWdpbj0n77u/JyBpZD0nVzVNME1wQ2VoaUh6cmVTek5UY3prYzlkJz8+DQo8eDp4bXBtZXRhIHhtbG5zOng9ImFkb2JlOm5zOm1ldGEvIj48cmRmOlJERiB4bWxuczpyZGY9Imh0dHA6Ly93d3cudzMub3JnLzE5OTkvMDIvMjItcmRmLXN5bnRheC1ucyMiPjxyZGY6RGVzY3JpcHRpb24gcmRmOmFib3V0PSJ1dWlkOmZhZjViZGQ1LWJhM2QtMTFkYS1hZDMxLWQzM2Q3NTE4MmYxYiIgeG1sbnM6ZGM9Imh0dHA6Ly9wdXJsLm9yZy9kYy9lbGVtZW50cy8xLjEvIi8+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczp4bXA9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8iPjx4bXA6Q3JlYXRlRGF0ZT4yMDIxLTA1LTA3VDEzOjMxOjUwLjQ1MTwveG1wOkNyZWF0ZURhdGU+PC9yZGY6RGVzY3JpcHRpb24+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iPjxkYzpjcmVhdG9yPjxyZGY6U2VxIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpsaT5HZW8gVGhvbWFzPC9yZGY6bGk+PC9yZGY6U2VxPg0KCQkJPC9kYzpjcmVhdG9yPjwvcmRmOkRlc2NyaXB0aW9uPjwvcmRmOlJERj48L3g6eG1wbWV0YT4NCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgPD94cGFja2V0IGVuZD0ndyc/Pv/bAEMABwUFBgUEBwYFBggHBwgKEQsKCQkKFQ8QDBEYFRoZGBUYFxseJyEbHSUdFxgiLiIlKCkrLCsaIC8zLyoyJyorKv/bAEMBBwgICgkKFAsLFCocGBwqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKv/AABEIAM4D4AMBIgACEQEDEQH/xAAfAAABBQEBAQEBAQAAAAAAAAAAAQIDBAUGBwgJCgv/xAC1EAACAQMDAgQDBQUEBAAAAX0BAgMABBEFEiExQQYTUWEHInEUMoGRoQgjQrHBFVLR8CQzYnKCCQoWFxgZGiUmJygpKjQ1Njc4OTpDREVGR0hJSlNUVVZXWFlaY2RlZmdoaWpzdHV2d3h5eoOEhYaHiImKkpOUlZaXmJmaoqOkpaanqKmqsrO0tba3uLm6wsPExcbHyMnK0tPU1dbX2Nna4eLj5OXm5+jp6vHy8/T19vf4+fr/xAAfAQADAQEBAQEBAQEBAAAAAAAAAQIDBAUGBwgJCgv/xAC1EQACAQIEBAMEBwUEBAABAncAAQIDEQQFITEGEkFRB2FxEyIygQgUQpGhscEJIzNS8BVictEKFiQ04SXxFxgZGiYnKCkqNTY3ODk6Q0RFRkdISUpTVFVWV1hZWmNkZWZnaGlqc3R1dnd4eXqCg4SFhoeIiYqSk5SVlpeYmZqio6Slpqeoqaqys7S1tre4ubrCw8TFxsfIycrS09TV1tfY2dri4+Tl5ufo6ery8/T19vf4+fr/2gAMAwEAAhEDEQA/APpGiuS8RWK6v4+0TTbm71CG0bTL+do7LUJ7Xe6S2iqWMTqWwJHwCcfMas/8IHpH/P54g/8ACj1D/wCP0AdJRXN/8IHpH/P54g/8KPUP/j9H/CB6R/z+eIP/AAo9Q/8Aj9AHSUVzf/CB6R/z+eIP/Cj1D/4/R/wgekf8/niD/wAKPUP/AI/QB0lFconhDw9JePaR6rrTXMa73hXxPfl1X1K+fkD3qf8A4QPSP+fzxB/4Ueof/H6AOkorm/8AhA9I/wCfzxB/4Ueof/H6P+ED0j/n88Qf+FHqH/x+gDpKK5X/AIQ/w/8AbvsX9qa39q8vzfI/4Se/37M43bfPzjPGemaS68IeHrFUa91XWrdXYIhl8T36BmPAAzPyT6UAdXRXN/8ACB6R/wA/niD/AMKPUP8A4/R/wgekf8/niD/wo9Q/+P0AdJRXN/8ACB6R/wA/niD/AMKPUP8A4/R/wgekf8/niD/wo9Q/+P0AdJRXN/8ACB6R/wA/niD/AMKPUP8A4/R/wgekf8/niD/wo9Q/+P0AdJRXn9p4TspfH2q6a+oeIDaW+mWU8Uf/AAkV/wDK8kt0rnPnZOREnBOBt46nO5/wgekf8/niD/wo9Q/+P0AdJRXN/wDCB6R/z+eIP/Cj1D/4/R/wgekf8/niD/wo9Q/+P0AdJRXN/wDCB6R/z+eIP/Cj1D/4/R/wgekf8/niD/wo9Q/+P0AdJRXN/wDCB6R/z+eIP/Cj1D/4/R/wgekf8/niD/wo9Q/+P0AdJRXN/wDCB6R/z+eIP/Cj1D/4/R/wgekf8/niD/wo9Q/+P0AdJRXN/wDCB6R/z+eIP/Cj1D/4/R/wgekf8/niD/wo9Q/+P0AdJRXN/wDCB6R/z+eIP/Cj1D/4/R/wgekf8/niD/wo9Q/+P0AdJRXN/wDCB6R/z+eIP/Cj1D/4/R/wgekf8/niD/wo9Q/+P0AdJRXN/wDCB6R/z+eIP/Cj1D/4/R/wgekf8/niD/wo9Q/+P0AdJRXn+g+E7K91rxNBc6h4geKx1NILdf8AhIr8bENnbSEcTc/PI5ycnnHQCtz/AIQPSP8An88Qf+FHqH/x+gDpKK5v/hA9I/5/PEH/AIUeof8Ax+j/AIQPSP8An88Qf+FHqH/x+gDpKK5v/hA9I/5/PEH/AIUeof8Ax+j/AIQPSP8An88Qf+FHqH/x+gDpKK5v/hA9I/5/PEH/AIUeof8Ax+j/AIQPSP8An88Qf+FHqH/x+gDpKK5v/hA9I/5/PEH/AIUeof8Ax+j/AIQPSP8An88Qf+FHqH/x+gDpKK5v/hA9I/5/PEH/AIUeof8Ax+j/AIQPSP8An88Qf+FHqH/x+gDpKK5v/hA9I/5/PEH/AIUeof8Ax+j/AIQPSP8An88Qf+FHqH/x+gDpKK5v/hA9I/5/PEH/AIUeof8Ax+j/AIQPSP8An88Qf+FHqH/x+gDpKK5v/hA9I/5/PEH/AIUeof8Ax+j/AIQPSP8An88Qf+FHqH/x+gDpKK8/8FeE7LV/APh/UtQ1DxBNd3mmW088n/CRX673eJWY4EwAySeAMVuf8IHpH/P54g/8KPUP/j9AHSUVzf8Awgekf8/niD/wo9Q/+P0f8IHpH/P54g/8KPUP/j9AHSUVzf8Awgekf8/niD/wo9Q/+P0f8IHpH/P54g/8KPUP/j9AHSUVzf8Awgekf8/niD/wo9Q/+P0f8IHpH/P54g/8KPUP/j9AHSUVzTeBdGRSz3uvqqjJJ8SagAB/3/qr/wAIx4YNvbzjWtW8m6kEUEn/AAlN9tlc5wqnz8MTg8D0oA6+iub/AOED0j/n88Qf+FHqH/x+j/hA9I/5/PEH/hR6h/8AH6AOkorm/wDhA9I/5/PEH/hR6h/8fo/4QPSP+fzxB/4Ueof/AB+gDpKK5v8A4QPSP+fzxB/4Ueof/H6P+ED0j/n88Qf+FHqH/wAfoA6Siub/AOED0j/n88Qf+FHqH/x+sPwV4TstX8A+H9S1DUPEE13eaZbTzyf8JFfrvd4lZjgTADJJ4AxQB6BRXN/8IHpH/P54g/8ACj1D/wCP0f8ACB6R/wA/niD/AMKPUP8A4/QB0lFc3/wgekf8/niD/wAKPUP/AI/R/wAIHpH/AD+eIP8Awo9Q/wDj9AHSUVzf/CB6R/z+eIP/AAo9Q/8Aj9H/AAgekf8AP54g/wDCj1D/AOP0AdJRXN/8IHpH/P54g/8ACj1D/wCP0f8ACB6R/wA/niD/AMKPUP8A4/QB0lFcr/wh3h/7YLP+1Nb+0mMyCD/hJ7/fsBALbfPzjJAz7ipv+ED0j/n88Qf+FHqH/wAfoA6Siub/AOED0j/n88Qf+FHqH/x+oZ/B3h+2eJLnVNbhaZ9kSyeJ79TI3ouZ+T7CgDqqK5v/AIQPSP8An88Qf+FHqH/x+j/hA9I/5/PEH/hR6h/8foA6Siub/wCED0j/AJ/PEH/hR6h/8fo/4QPSP+fzxB/4Ueof/H6AOkorz/wV4TstX8A+H9S1DUPEE13eaZbTzyf8JFfrvd4lZjgTADJJ4AxW5/wgekf8/niD/wAKPUP/AI/QB0lFc3/wgekf8/niD/wo9Q/+P0f8IHpH/P54g/8ACj1D/wCP0AdJRXN/8IHpH/P54g/8KPUP/j9H/CB6R/z+eIP/AAo9Q/8Aj9AHSUVzf/CB6R/z+eIP/Cj1D/4/R/wgekf8/niD/wAKPUP/AI/QB0lFc3/wgekf8/niD/wo9Q/+P0f8IHpH/P54g/8ACj1D/wCP0AdJRXN/8IHpH/P54g/8KPUP/j9H/CB6R/z+eIP/AAo9Q/8Aj9AHSUVzf/CB6R/z+eIP/Cj1D/4/R/wgekf8/niD/wAKPUP/AI/QB0lFc3/wgekf8/niD/wo9Q/+P0f8IHpH/P54g/8ACj1D/wCP0AdJRXn+veE7Ky1rwzBbah4gSK+1N4Lhf+EivzvQWdzIBzNx88aHIweMdCa3P+ED0j/n88Qf+FHqH/x+gDpKK5v/AIQPSP8An88Qf+FHqH/x+j/hA9I/5/PEH/hR6h/8foA6Siub/wCED0j/AJ/PEH/hR6h/8fo/4QPSP+fzxB/4Ueof/H6AOkorm/8AhA9I/wCfzxB/4Ueof/H6P+ED0j/n88Qf+FHqH/x+gDpKK5v/AIQPSP8An88Qf+FHqH/x+j/hA9I/5/PEH/hR6h/8foA6Siub/wCED0j/AJ/PEH/hR6h/8fo/4QPSP+fzxB/4Ueof/H6AOkorm/8AhA9I/wCfzxB/4Ueof/H6P+ED0j/n88Qf+FHqH/x+gDpKK5iXwRokETSzX+vRxoNzO/iW/AUepPn1X0/wx4Y1aBptK1rVr2JW2l7bxTfSKD6ZWc80AdfRXN/8IHpH/P54g/8ACj1D/wCP0f8ACB6R/wA/niD/AMKPUP8A4/QB0lFct4MhNnqHiiwW5vJ7ez1ZY4Ptl3LcvGpsrZyoeRmbG52OM/xGupoA5u+/5KnoX/YF1L/0fY10lc3ff8lT0L/sC6l/6Psa6SgAooooAzte1Q6Pos93HH51xxHbw5/1srkKi/ixH0GTXJeALm90XXtY8Ha1dtdXNs/2+1uH6zwynLH8JCfzrW17QtQ13xLp4vbLTLzw/a7nkt7mVi8kpGA5j8sqwUFsKT1OcjArH1zwJd2virR9Y8BabommPY7/ALRkmAXKsMFCkcZHToxOQT04oAmtXitPjNrs7gIiaJDJIVX0diTx1PFRj4havNDod1a+HLY2WuzCG0ll1MqykgsvmKIm25CngFvfFTSWOsaR411XxZqY02DSzpoilKXMkksQjBfft8sBueNuRx37VyugWmq6Ha2Gr+R4c1GJFWSFI9Sn80tJjd5UR3RJI2SMIAOw44oA7a88ZXhXVbjRNF/tGy0iV4bqU3XlOzoAZFiTad+0HuVycgZqGbx+099pNvoOktqQ1eye7tXa4WLO0A7WyDjrgnsR3pkPhnxBo13rkOhzafNp+sXEl0Ddu6yWksg+cgBSJFzyBlfrVe28FappHifw3LpC2L6Xotm1oxnuHWaQPje4URkAjGQM89OKANG312afxg+nNoFvb6yNFW7E0s6k4L48kuqE7Q+7kZHGcc1w15rGp6/8KdC1fWbeBpJtZt5YZIpS7sDcNkbSoCY4AAZuAORXdJomtD4pv4gdLAaa2nCwwLhzNgOZA+3Zt+8cY3dOc9q5r/hBPFUHgXTfDkD6PKum3yTxSvPKhZEkLjOIzyc4wOmOpzwAdPbeLb1tV1TTL7RDb3llaLewxrdK4niJYfewNrZUjHI96zoviJeNZaDqEvh2RbDWmSGGRLxGkEzqWVdhABB2kbiR7gU+60bxXL4uvdYitNG8u50tbBYmv5cqQzPvJ8nkZcjHHABz2rOPhDxUvhbwrpiRaOZdBvIrl3N7KFmESlVA/c8Z3HPpgdc8AHUeH/EtxqutappGp6aun3unCJyq3ImWSOQEqwOAf4SCMcccmugrktI0TXLb4iarrl9Fp6WV9BHAqw3TvIgjztJBjAOc8jPHvXW0AFFFFAHN2P8AyVPXf+wLpv8A6Pvq6Subsf8Akqeu/wDYF03/ANH31dJQAUUUUAFFFFABXl3xA03Q4vit4PvNR0mK5S7F6LxUsTcNcbIVCbo1Vi+3PHBwB6Dj1GuL8RaF4j1Dx9omt6fb6W9poon8uOe9kjknM0YQ5xEwXBHH3s+2eADD8KXGnj4sX8XhlX0vSItP/wBKsZ1NsHm35DpA+GUBep2gfnzfi+LWmS3+n7fsMljqFyLaJotRR7mMscK0kAGVUnvuJGRkDpVxPCmrav47s/EXiI2NtHYW0sEFpYyPKZPMBBLyMqZGCcAL1p3hvw94o0O2h0SXULCXRLVgIbhA63ZiByIyPujj5dwOcds8gAtWvi2+v9WmgsdIjmtLfUGsZ5Bd/voiGwZGi2cJ3B3ZIIOAOar+B9b1vWdS8Rf2rBarb2uqS2yGK5ZzGUSIBFUoAV6tuyDkn5R1qK68Ma5qPiS1vrqLSrd7W/MyalbSyC5ktg5KwOgQA5TCkliO+M81oeGdB1TQtb1wyy2j6bqN/JfRldxmDuqgqRgKANvvnPagDpqKKKACiiigAooooA5vwv8A8jF4z/7DUf8A6b7Oukrm/C//ACMXjP8A7DUf/pvs66SgAooooAKKKKAPNPEGhaXoPxb0XX5dOtmtdYEmn3JaIFUuG5STnjc/Kk+mfU1T8GjRPDHjnxNALC3tLC7hkvLOfaOYYmKToD/d3ruC9NuD6V3XjPw7/wAJT4WudMjlEFwxWS2nP/LKVGDK35jH0JrN1zwDbaoPDawy+UujShXJJzNBsw8ZI67iFzntmgCtpK6f4E8L2sltpEcWpa3dDbZwKsZaWUsyxk9FWNSR6AKcAk83F8aXFvqWoaVq+krbana2Rvoo4rrzIrmIHBKSFVOQeoK5+tW/GHhy41+0sZdMuUttR027S8tXlBMbMuQUcDnaQSMjkVnXfhzWtTvbzWL6LTk1I6a9haW0dzIYkDnLu0hjBJ6YATjGM85ABBD8Qb5/D9trU3h8W9jeRwfZ5pb5QvmSMF2v8uUQZzvwfpUfi/xP4isfh/qt9HpsFhdQXEdsHF2zq0cnlgSxMEGeZMDIGME9Rirmk6H4j0v4f6do3l6RLeWe2GSOSV3guYQCCCTHlSfocY79Kzp/AGo3HgnXdIiezsTqFxFPaWUUryW9psZG2hioOGKZOFAGeBQB3lm909pG1/DDBcEfPHDKZUXnsxVSeP8AZFTVXsftn2GP+0vIF0RmQW+SgOegJ5OB34z1wOlWKACiiigAooooA5v4cf8AJLPCn/YFs/8A0QldJXN/Dj/klnhT/sC2f/ohK6SgAooooAbJGksbJKiujDDKwyCPpXl/gJ28K+LJNHf5NM1/zrux7LHPG5WSMfVQrfhXpty062sjWcccs4U+WkshRWPoWCsQPfB+lcNdeC9a1nwjb2Ooy2Wn6rp96LuyvbGd5AhMhZshkUj5WIxyDwfagDC12GLxH8Y/Cc+oRR3WmSy31vb28oDxuIIsmTB45kJ+oRTW7rvxV0/R7i98tbG4h0+fyLmNtSSO6ZgQGMcJBLgE45Kk4OAak1bwrrf/AAl3hq+0K20tNN8PRyxxRT3ciPKskYQjAiIXAHHJz3xVi08P+J9F1rUU0S9046TqN092xuUfz7V5Dl9gA2uM5IDEUAT3nid9UurzT9B0aLW4bWGOS7M04iQ713LGoKtvcrg4O0cjJFc54X1eDS/hv4Fju9LjvkvbqG3ikkK/6PKS5WQAg8gBuRj6810Fn4c1nQvFmo3+izWlzY6oI2njvZHWSGRE2b1IU7wQASDt57isMeCfFFt4T8KaVAdInl0O9S7kd7iWNX2bgEGI267zluOg4oA1/EPj248PzXUs+jAWFrcJAZri68mW4LbctDGUxIo3DJ3DoeOKuX3iu+h8Xz+HtP0X7XcpYC9jke7EaMpfZg/KdvIPqenHpz+s+BfEOpDxHGs2ky/2nOJbW8uTIZokBUiDhcKg29QT1PHORqDRvEyfEKTxCLfSZYTpYsRH9slRiwcyBv8AVEAbjtxk8c/7NAG74X15fEvhu11VbZ7Uzb1eB2DGN0dkYZHX5lPNa1c14E0fVtA8NjTdbWy3xTSyRvaTO4YSSNIc7kXBBbHfNdLQAUUUUAFc38OP+SWeFP8AsC2f/ohK6Sub+HH/ACSzwp/2BbP/ANEJQB0lFFFABXnPiqOPS/Gdxq3izRZNZ0CS3jWCdYvPXTWXO8tF23Eg7wMjGK9GrBmh8S2uqX1xp72F7a3Dq0NrdTPCYcRqpIcK/BIJ27ffPJoA5PWNVfQvAtnceDL2HULTUNVjVbmS6fciySj5A2GPqpJ5Udia29e8Y6noUU7zaHDss7Vbi5mmvjFCzHP7qF2jxI+FPB2dvWsyb4eX6+D7iytbizXUZtYGriPDJbo+9T5S4BIXC9cde1S6n4R8RalrWpXU8ukXEd9p4to2nEhaxfawbylxjDFuWyDwOOMUAaV141lj1HQLWy0h7k67avcQMZ1TbtQOQcj/AGl5+uAehjt/Hqjw/e3uoaZJBfWeo/2Z9hilEhmuDt2Kj4GQ29eSBjn0qhF4X8Txav4QumTSZE0G1e3mxcyqZN6KhKjyz0CAjJ5zjjrVU+B/EV9Z6qt3Jptncy6wmtWMsE8kwjmUKAjgxrlcJ1Hc9KAJrGe+/wCFxmbVNHhsrgeH5XP2Wbz/ADx50WPm2qSwxjBHpgmtDTfHV1deINO0vUNHWyl1KCSaCL7YGniCru2zRFFMZI92HvSSaB4mvvEaavcTabYS/wBlTWDC3kklKM7KwkUlV7qOD096zdJ8F+I9Pn8PXBXREm0kTLP5TS5ui8e0ys5XJckZOR6nJ6UAaWlePbnULafUJtE+y6VZy3Md7eNeKfJ8kHkJgFskY46Z71ja5qd/q+reDL680COyt7jVYpLe5NwJJQhikIR12jYSCGwGYfLzg1peH/BmqJ4P17QPERs449TlnkjlsZnkK+cSSCGRfunGOufbHKN4a8V3WneHrS8l0gNot9FP9oR5D9oRI3QEptG1sN0yQeuRjBAO7ooooAKKKKAOb+HH/JLPCn/YFs//AEQldJXN/Dj/AJJZ4U/7Atn/AOiErpKACiiigArz34n+F9FXwT4k1h9NtZdRmhEhupYVaRCAqDaxGVGFHT3r0Kub8e6Pq3iHwld6Poq2Ye8Ty5JbuZ0Ea5ByAqNuPHt+NAENromj+GdNHiDSNDC3cOnlGg023Ctcg7WxtUfM2VGD7mk0fxjdah4gu9Eu9Mt4r+CzF2Etr4TLy23y3JRSjg9QQfxqbUdJ13VPh7PpQnttN1aS3EKzW07vGCMc7tqsMgEdMjPesvTfDPiDTfEEWrW1toUCppZs/sVu0iRq+/eMNs6E9TjI9D1oAbZfEi4n8JHxRdeH5LfRhaPP5y3Su5dX2CMJgHn+90HPbBNuDxdrQ8XWeiajoNlai6tWu/tK6mZFWNSAwx5Iyw3DjOP9qsaLTtQ8HfBafRddn02GZENpbzozSxOZXwu8Oq7eXwTyABn2pnh2z1HRNatoruz0G6ivv9E32ep3E86RYJwomzhBjJCkD8hQBbi+LWmS3+n7fsMljqFyLaJotRR7mMscK0kAGVUnvuJGRkDpV/wfreuat4m8RxajBara2d79nTy7l2Me1FwFUoAQcklsjk4xSeG/D3ijQ7aHRJdQsJdEtWAhuEDrdmIHIjI+6OPl3A5x2zyLnh/w/qei+KNcuWltH03U7n7UuNxmDFApUjAUDjOcn6UAdPRRRQAUUUUAc34o/wCRi8Gf9hqT/wBN95XSVzfij/kYvBn/AGGpP/TfeV0lABUF7Y2upWclpqFtFdW0oxJDMgZWHXkGp6gvWu0s5G06KGa5A/dpPKY0J92CsR+RoA8I8O/8InZ/CW5k1HRJ5NQjkuBFeW+myB0bcwQi5ChRjj+PjHNehWHi7/hHfA/hxNZvrK51K+g2rPc36RwttXLM03I4yoyAxJPfrUPhjw74y8NeDjocVtoM0jPK32mS8lZRvYn/AFXk84z03c0ln8OtS8P+H/D6eHdTgfVNEaYhrxD5M6zHMiHGSoyBgjJ4oAs2XxOtr7QpruC1gN1DqC6e6C8VrcO33X88KR5Z/vbc54xUXizxR4jtPDUcsWmQWNy+qwWbE3jMroxQho3Ccq2SpOOOeCeBtXVj4luNJUy/2TdXkso+02cxf7KYQrAxglSSSSDuK+2MDFYE3gDVW8J3FjbS2VtN/akWoWdkJZHtrZUK/ug5Xdg4J4UAE8CgDuJLNNV0k2uuWVtIsyAT2xPnRZ64yyjcM9yBXlvhO7uPh4kMty7P4T1K7miDEk/2ZMJnRc/9M2wOex/X1VDerpuXW3lvhGTsDMkRfHC7sMQM8ZwT3x2rD8PaFer4Wn0bxTaWEsUry7lt5nlSRJHZyDuRcY3Y4z0zxQBlWcfh3wOnibWLXTLe3WO8SNBaxKHffDAViT0Bd+nAyc1pw+K7u28S2WjeIdKTT5NRR2s5obrz43ZRlo2JVdr47cg9iayk+G7jwPqfh1tTkbzrsXFjdNlnhCCPygw77fLC+4A6HppQ6FrOra3pOoeJxp8X9kh3iSyld/OlZdu87lXaAM/L83J68UAdVXN3fie9k1bUNP8AD2lJqcmmKhuzJdeSAzDcI0+Vtz7cHnaORzmtbSRqos3/ALca0a4859htAwTy93yZ3c7sYzXP/wDCP63o/i3VNV8PNY3FtqwRri2vZXjMMqLtDqyq24EdVOOnBFAHPeMvFM/iDwDo+paFBH9jvtRt0mW4nMciOJh+6ZQjDG5cE54x0Oa9D060WFHuJbG0tL25Ia6+zHcHYcDL7VL8dyBXD6p4E1ePwhpWh6G1hMba9W/ubi7meLzJRJ5hCqqNwST34AHWu/tmna1ja8jjinKjzEikLqp9AxVSR74H0oAlooooA5vwv/yMXjP/ALDUf/pvs66Sub8L/wDIxeM/+w1H/wCm+zrpKAObvv8Akqehf9gXUv8A0fY10lc3ff8AJU9C/wCwLqX/AKPsa6SgAooooAKKKKAEIDKQwBBGCD3rPs/Dui6deNd6fo9ha3LZBmgtURz/AMCAzWjRQAUUUUAFFFFABRRRQAUUUUAFFFFAHN2P/JU9d/7Aum/+j76ukrm7H/kqeu/9gXTf/R99XSUAFYsnjPwvDO0MviTSElRijRtfRBlYHBBG7g5rarzm4nltfjHrRttGm1VpdGgDQwtEufnb73mMoxxjufagD0OGaO4hSWCRJY3GVdGBVh6gjrT68v0B9S+Hvhqy0i8jWO/1bULiaCCKCW7Sxi27ioSIbnxxwMD5jyAKs3Xj7xDZeDdX1KfSVS5026ijjluLOe3iu45HVA6JJhgQW5BJxjrzQB6BeXtvp9nJdXsqxQxjLO3bnA+pJIGO5qrpOv6drn2gadNIz2riOeKWB4XjYjIDI6hhx7VwfxDHif8AsG1/tG60qKNtatliS3glclTIpTcS46MDkAfNxgrXRPret3PiGTw9ps2ni9srRLi8vJrZ/LZnJCIkQkyOASSXOOODQB1dFedv8QtXbRbKaPTrSPUF15dEvoJHYoJCwBKMOxBByc4z3xWjca14ssNc0bSruPRpJtSNyDJEJVVBGu5DgnPQjI9RjIzkAHZ0V5yPGPis6H4huFg0f7T4dmlFy22XZcIiB8Iu7KHbnkk89q0dc8XanBb2V1px0+ztbrTxdxyXaNO88hGRCkSMr9OS+CPagDtaK4OPxvrF63g77DaWS/8ACRW8jyLKz/unSEvwR2zjtk8jjrToPHGp22napDqdpazarZ6rHpkAtiyRTvLs8tjuJKj5+eT0oA7qiuTu9f13w3a6ve+JLW1udPsrT7RDd2SmLzH7xFGdznp83TnpVbRfFeuXPim0sLzTpZ7K7idmuY9Ju7UWjqNwV2mGHB5AYY57DNAHa0UUUAc34X/5GLxn/wBhqP8A9N9nXSVzfhf/AJGLxn/2Go//AE32ddJQBFc3MFnayXN5NHBBEpaSWVwqoB3JPAFZlv4w8NXlwkFp4h0qeZzhY4r2NmY+wDc1sV4tp+n6hrnw613QNL8PG7a41a6WK7klhSGA+b97lt+Vx2X8aAPaaK8/uvE+qaQT4f05jc32kWEAnuJNLubsXMpT7v7kfJkLncxP3unBNSP4x8Q3N54ZtbXS7ewuNctrh5IdQSQPbSRKCQRwduSMcZI9M5AB1uqa1Y6NGjX8kgMmSkcMLzOwAyxCICxA7nHFTadqNpq2nQ3+nTLPazrvjkUHDD8a8+nTxI3xc0Rby/0xLr+yJWYRWcjRr86eYBmUEkkcNxgYyD1q/L4v1680HU/EWh29hJpunyyqtpOr+dcpESHcOGwh4bC7WzjrzQB3dFcK/i/XNV8RWuneGodOEV/oY1W2lvRJ8uWQAOFPT5ug55B7YJN4j8VPe+I7O1j0dJNGiilWSRZWV90ZcqQCPTGcjHoc8AHdUVwVt421p4fC+q3NtYJpevTRWxhQuZonkRmDbumMqeNvpzUeteONY0fWTHMumiIalHaixCvLOYXYKJmkRisec5Cso6dc0Aeg0VxM3iTxJceIfE2l6XFpaf2PFBLFLcLI28SI7bWAIyTtAyCMc9c8PsPGN9r0GhW2kw29tfappx1CaS4VpI7eMbVOFBUuSzgAbhgcmgDs6K4u88WazpGl2MGtafHBq97eSW0Zt4pLmMoilvOEUe5yCo+5nIzyQATV7wf4g1TWZNSt9Y0+WA2ciCG7NlNax3SMCcqkvzAgggjJ7etAHTUUUUAc38OP+SWeFP8AsC2f/ohK6Sub+HH/ACSzwp/2BbP/ANEJXSUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXN/Dj/AJJZ4U/7Atn/AOiErpK5v4cf8ks8Kf8AYFs//RCUAdJRRRQBV1DVLDSbYXGq31tYwFgoluZljXJ6DLEDPBqjb+L/AA1dzCG18Q6VPK3RI72NmP4BqXxaiv4K1tXUMp0+fIIyP9W1YPhHRNO8QfCHRNP1e1jubeXT41KuOV+XqD2PuKAO1oryTwX42vbLwLpdjLJJdXct9cWdvdNay3P7mIZ3mOL53wCFAGPcjFadz4z8Xr4V1XUINMhjm0mYGSS5024iS7tsZMkaOyspUZJUk9OtAHpFU9K1ay1vT1vtMm863dmQPsZclWKsMMAeCCKyodU1K+1izj0u6sLiyOni5uJPs7gszj90UO/5VYgnBBIC9eQRkaf4x1fUfhzY68sWnwXFxcvFcSzPsgtYlmdDIQzAtgKPlDAknigDuKp3erWVlqFlY3U2y4v2dLZNjHeVXcwyBgcDPOK8z8QeMdY1P4X+LJI57aG402cWzXENtJGJ4nC8qjtujYh+pLcdOoNdfd65rGleKvDWj3jWNyuqtcLcTxQPEQY42cbVLtj+EHJPfpngA6miuHl8Va9qGm6xrHh6Cwex0ueWFba4RzLd+V98hwwEfIO0FWzjnGabH411TV9e0mz0KGyW31bSjfxSXSuWiOVGGAIzjJ4HX1FAHdUVgeD9cvNd0eeTVIYYry0vJ7OfyM+WzRuVLKDkgHHQk1v0AFFFFAHN/Dj/AJJZ4U/7Atn/AOiErpK5v4cf8ks8Kf8AYFs//RCV0lABRRRQAVVv9UsNKgE2qX1tZRE4ElxMsa5+rEVarz3wUU8ReOvFWraqonu9N1BtPs1k5FtEndB2LEZJ68UAdvaatp2oW4nsL+2uoiCweCZZAQMZOQT0yPzpmk6zYa5avc6VcC4hjlaFnClcOpww5A6VzUesaWnxUNhH4f1CLWmsmL3SrCIpLbzB+8YiTJG5cDjdyeKwvCuvPoPhGf7NEkt3qHiWextVkJCCR5T8zEc7QATxycY70Aej6i9mmnTtqYja0CEyiVdylfcd6o+HbPw+unR6h4YsLK2trxBIslrarD5inoSAAfzrDfxBqtn4gn8OeIUtJmutPlubS8s42jVtvDoyMzEEZBznBrnPD/iPX/DPgPwvfzWuny6DJFb20qqz/aU34USZ+6Rk/dxnpz6AHq1UI9b0+XXZNGjuQ2oRQ+e8IU/KmcZzjHU+tcd4i8b6xoeoXJddNSKC9ihSxKvLPLC7KvnGRG2xAljgOvOOuSM3U/5LrL/2Laf+lL0AdnRRRQAUUUUAc34o/wCRi8Gf9hqT/wBN95XSVzfij/kYvBn/AGGpP/TfeV0lABQTgZPAorgfiZdSTX3hnw+8jxWOs6gIrwo20yRrg+Xn0YnB+lAHVQeJ9Bublra21vTZp0BLRR3cbMoHXIBzWpXI+O20LRvA88er6FNd6MqbJUso4v8ARwcAMAzLjkjBXJFVNR8dXUl/FYaXaTWVwbJbyT7Tps16UDsQiFLYnbnaTuLcAjgnIAB3NFef2/jfxDdT+F4Do8Vhcaz9pjngvkkjaJ4kZtwBwdpwDyMkccdakTx5f2Gk6v8A2zbW8uo2Gpx6dF9jjkKTNJsKNs+Z+A+SoyTjA5NAHeUVwVt4y18f21HPp/mpZ6e17bX76Zc2cLlfvRMsvO7HIweR9DT7fxH4sl8KWuuSw6LHb3ttayqzyMgtfMAMksm5gGUAghQQ3OMnqQDuqp32rWWmTWcV7N5T3swgtxsY75CCccDjgHk4Fef3njLWb/wT4waC5tY7vR1xFewWskayo0YfIjdsq2DwckdCMjGdKPXdY0LT/B9rM1jcrqk0dtI6wPGUQx7hgbzyAMZzz6CgDuqK4yXxLr2pRa3eeHIrD7No9xLbeRdI7SXbxAF8MrAR8nAyGyRk4qtD461LV9V8Pw6Hb2aQa1p8l0put5aFkxkHaRnBJ4746jNAHeUVwkfjPWB4Wu7m5t7RL2y1Z9OubiOKR4IlU4M5jB3bcEcbuM5yBXR+Gr+91LTZLi+uNPu1MpFvc6eT5U0W1SGwWYg5LAjPb8SAbFFFFAHN+F/+Ri8Z/wDYaj/9N9nXSVzfhf8A5GLxn/2Go/8A032ddJQBzd9/yVPQv+wLqX/o+xrpK5u+/wCSp6F/2BdS/wDR9jXSUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBzdj/wAlT13/ALAum/8Ao++rpK5ux/5Knrv/AGBdN/8AR99XSUAFcnaeFNYt/H1x4kk1y1kS4hW2e0XT2UeUrZXD+afm98Ecnj06yigDB8T+Gm19bKez1CXTNS0+Uy2l3EgfYSMMGU8MpHBFZeu+CdU17wrPpd14hQ3V3JG1zeNY5BWNg6IkYcBRuGcksTk+2OyooA5TxT4V1bxNpWn2h1q1tmtZo7iWQaeX82VDlSB5o2rnqOfrT7nwpfnX4tf07VoLTVWtRa3hNmXt7lQcg+X5gKkHod5445rqKKAOH1H4e3Fxpllb6drMdtPDqn9r3NzNZea1xchtwbAdQq9sc8BRkY509V8OarqPijR9Xi1e1gXS1f8AcGwZvNLqFc7vNGOBxxx33V0tFAHCr4D1kWPiW2/4SCz2+IWdpj/ZjZi3rsbb++/u8c9+fan2fgLUrO9tblPESh00xdNuAtiP3kak7Sm5zsOMZ+8CRnA6Dt6KAODtPh9qlk/hkweIYGHh5HWISacT5u9djA4lGBswB1OcnJ4Ac3w6uL2LXItX1mOZNWuEu0a1szC9rOm0I6sZGyAFHBHPqK7qigDmYvCVze6Td2fivWH1g3Vs1qWSBbcIh6kKCfmJAOSf4RgDnL9A8OarpjwjWPEUurQ2gxbI1ssTLwVy7AkuQpIzx1JIJxjo6KACiiigDm/C/wDyMXjP/sNR/wDpvs66Sub8L/8AIxeM/wDsNR/+m+zrpKAIrlZ2tZFs5I4pyp8t5Yy6qfUqGUke2R9a53wX4W1Dwrb3dveavDqMNzcPcgLZmFkkc5bnzGBX2x+NdPRQBy+p+E76TxK+t+HtdfSbi4iWK8ja2WeOcL907SRhgCRn9OuYr3wdfzeJdD1S01qOJNIWUCKazMrzmXHmsziRcE4yMKAD6jiutooA5W88LatcePLfxHDrNpGlvAbZLVtPZv3bEFsv5o+bI4OMD0NV18CXNrDqmnaXrX2XRtUleSa0a1DyReZ/rBFJuAUHnqrYzxXZUUAcpD4OurTxva63YalbwWVrYLp0dh9iJIgBBx5nmddyjB28DjB61EPCOsrqfiG7Gu2f/E7iWModNb9wFXYpB87n5Sc56nB4HFdhRQBwJ+H2s/2D4f0tPEVmE0K4S4gc6WxMjICEDfvumGOcYzx0pZvhxevZX1lF4iKWtxqQ1KFWslZo5PMD4Zt3zjjA+7+PSu9ooA46LwfrVvr2u6nDr1pu1iGOJkk01j5YjUqhyJhk4Y54AJ5wBxVS3+HV9aaXootPEIt9V0WNre3vo7L5ZIDjMckZc7unUEfSu8ooA5bU/BcmpaVbBtZuItYtbn7XFqaxruWXG0/u+mzb8u30AyTznW0XTbyxjkk1XUjqV7KFV5hCIVCrnAVATjqT1JJPpgDTooAKKKKAOb+HH/JLPCn/AGBbP/0QldJXN/Dj/klnhT/sC2f/AKISukoAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACub+HH/ACSzwp/2BbP/ANEJXSVzfw4/5JZ4U/7Atn/6ISgDpKKKKAMvxHpt5rGg3WnWF7FZPdRtE80tuZsIykHC7l556kn6Vz1p4M1+38L23h4eKIobCGAW5ks9OMdwyAY++0rAHHcLXa0UAcnfeAbMaJpVl4eupNGn0dy9jcxKJChIw+5T98Nk5B61saXpM9vaTLrF7/alzcLsmlMIjRlAIChASAOT3JOTz0A1KKAMDw34WTwr4dm03S7otKzO0c9whfZniMFcjKooVcZGdvbNc/afDjULTwxpelp4hj87Sb83trcCw+XksxV0Mh3cuSDkY4rv6KAOJuPh3Je6Z4ksrzWnlTXmWRj9mVTFIFUbuD8wyg4449etWLzwlrN7r2gapN4ggeXRzIxDad/rmkBV+kg2jaQAMEg8knpXXUUAcf8A8IPd2kmrQaNrX2LTNXkeW4tWtRI0TuMOYn3AJn0KsB2pf+EJurXxRp2qaRqVraWum2P2GCzexaT92cZy4lGTkDnA/HrXX0UAc94S8O3/AIdh1CO/1OHUBeXkl4DHaGAo8jFnH32yMkY6Y55PboaKKACiiigDm/hx/wAks8Kf9gWz/wDRCV0lc38OP+SWeFP+wLZ/+iErpKACiiigArl7zwc8fiSbXvDmpnSr66ULdo0AmgucdCyZU7h6hgf1rV17xDpnhnTTf63O9vaqQGlWB5AuSAM7FOOSBzWjHIk0SSxMHjdQyspyGB6EUAc1p/hW9h8WTeJNS1WK61FrA2Eaw2nlQxpv3g7S7MTn/arJtPhrOvhy40vUNbWWT+0f7Ts7u3tPJe1uNxYty7Bhk8Djgnk5GOh07xho2s3l/a6RPNezafvE4htpNoZTgqHKhC2egB56jitPTb3+0dMt7z7NcWnnxh/Iuo9kseezL2PtQBjWnhieXVTqev6hHf3q2rWkLQW3kJEjffIUs53NgZOcccAc1n6f4DuIdM03SNT1hb3SNMkSSC3W0EbybDlBI+4hgDg4CrnHOa6y8ufsdjPc+TNP5MbSeVAu6STAztUd2OMAetLaXH2uyguPKlh86NX8qZdrpkZ2sOxHQigDibz4dXtzaa1ZxeITFaapfi/VDZKzRSeYr4LFvmXKAAfLjjkjitOHwvqcfj7/AISSTWYJENkti1sbEhjGG353iTG7cSc7cY4x3rqKKACiiigAooooA5vxR/yMXgz/ALDUn/pvvK6Sub8Uf8jF4M/7DUn/AKb7yukoAKx/E3hmw8V6T9h1HzEKOJYJ4W2yQSDo6HsRWxRQBxmreDte17w/Loer+JoZrGYBZZE03ZO4BB5fzNucjqEq1qvg+5l1m21bw/rUmk30NsLSVmgWeO4iByoZCR8wJOGz3rqaKAORvvBuoz65oepW2txI+ktLI3n2Rka4klBWRmIkUAbTgAD5fcYAqH4eXV2muR6rrSSrqtwl4j2toYJLWdNux0YyNkAKOCOfUV3NFAHKt4X1q50O+tdS8SLeXtxbNax3LWARIo3xvPlq43MQOu7AwOOoNeXwPfzeDdG0ZtcjW50aeGW2u1svlYRKVRXjLndwf7w5ANdlRQBx58CSzjxIt/rL3CeIIFjlAt1QxOIhHvBB54AwOPcnrUV14I1i6h8Pq/iKBn0WZZlZ9NyJWVdoGBIMLt+pySc9AO1ooA5I+DL20vtWbQtb+w2esSNNdW72olKSsMO8TbhtLd9wYZ7VH/wg1xaeItFvtG1K2tLPRrU2sNpJZNIWRgA25/MHJxwccHrmuxooA4zTfCHiHTIrz7P4nt1mudRbUC66YQu5lIeMr5p3IeCBkEEdemNjw14d/sBL95LiOefULo3M3kweTErFQuETJwMKM5JJOTmtuigAooooA5vwv/yMXjP/ALDUf/pvs66Sub8L/wDIxeM/+w1H/wCm+zrpKAObvv8Akqehf9gXUv8A0fY10lcb4j1vStB+JOgXWuanZ6bbvpOoxrLeXCwozGayIUFiBnAJx7Gr3/Cx/BH/AEOXh/8A8GkH/wAVQB0lFc3/AMLH8Ef9Dl4f/wDBpB/8VR/wsfwR/wBDl4f/APBpB/8AFUAdJRXN/wDCx/BH/Q5eH/8AwaQf/FUf8LH8Ef8AQ5eH/wDwaQf/ABVAHSUVzf8AwsfwR/0OXh//AMGkH/xVH/Cx/BH/AEOXh/8A8GkH/wAVQB0lFc3/AMLH8Ef9Dl4f/wDBpB/8VR/wsfwR/wBDl4f/APBpB/8AFUAdJRXN/wDCx/BH/Q5eH/8AwaQf/FUf8LH8Ef8AQ5eH/wDwaQf/ABVAHSUVzf8AwsfwR/0OXh//AMGkH/xVH/Cx/BH/AEOXh/8A8GkH/wAVQB0lFc3/AMLH8Ef9Dl4f/wDBpB/8VR/wsfwR/wBDl4f/APBpB/8AFUAdJRXN/wDCx/BH/Q5eH/8AwaQf/FUf8LH8Ef8AQ5eH/wDwaQf/ABVABY/8lT13/sC6b/6Pvq6SvO7Px94PX4k6zdN4s0MW8mk2EaSnUodjMs14WUHdgkB1JHbcPUV0H/Cx/BH/AEOXh/8A8GkH/wAVQB0lFc3/AMLH8Ef9Dl4f/wDBpB/8VR/wsfwR/wBDl4f/APBpB/8AFUAdJRXN/wDCx/BH/Q5eH/8AwaQf/FUf8LH8Ef8AQ5eH/wDwaQf/ABVAHSUVzf8AwsfwR/0OXh//AMGkH/xVH/Cx/BH/AEOXh/8A8GkH/wAVQB0lFc3/AMLH8Ef9Dl4f/wDBpB/8VR/wsfwR/wBDl4f/APBpB/8AFUAdJRXN/wDCx/BH/Q5eH/8AwaQf/FUf8LH8Ef8AQ5eH/wDwaQf/ABVAHSUVzf8AwsfwR/0OXh//AMGkH/xVH/Cx/BH/AEOXh/8A8GkH/wAVQB0lFc3/AMLH8Ef9Dl4f/wDBpB/8VR/wsfwR/wBDl4f/APBpB/8AFUAdJRXN/wDCx/BH/Q5eH/8AwaQf/FUf8LH8Ef8AQ5eH/wDwaQf/ABVAB4X/AORi8Z/9hqP/ANN9nXSV534c8feD4Ne8WST+LNDjS41aOSFn1KECRfsNqu5SW5G5WGR3UjtXQf8ACx/BH/Q5eH//AAaQf/FUAdJRXN/8LH8Ef9Dl4f8A/BpB/wDFUf8ACx/BH/Q5eH//AAaQf/FUAdJRXN/8LH8Ef9Dl4f8A/BpB/wDFUf8ACx/BH/Q5eH//AAaQf/FUAdJRXN/8LH8Ef9Dl4f8A/BpB/wDFUf8ACx/BH/Q5eH//AAaQf/FUAdJRXN/8LH8Ef9Dl4f8A/BpB/wDFUf8ACx/BH/Q5eH//AAaQf/FUAdJRXN/8LH8Ef9Dl4f8A/BpB/wDFUf8ACx/BH/Q5eH//AAaQf/FUAdJRXN/8LH8Ef9Dl4f8A/BpB/wDFUf8ACx/BH/Q5eH//AAaQf/FUAdJRXN/8LH8Ef9Dl4f8A/BpB/wDFUf8ACx/BH/Q5eH//AAaQf/FUAdJRXN/8LH8Ef9Dl4f8A/BpB/wDFUf8ACx/BH/Q5eH//AAaQf/FUAHw4/wCSWeFP+wLZ/wDohK6SvO/APj7wfZ/Dbw1a3nizQ4LiHSbWOWKXUoVeNhCoKsC2QQRgg10H/Cx/BH/Q5eH/APwaQf8AxVAHSUVzf/Cx/BH/AEOXh/8A8GkH/wAVR/wsfwR/0OXh/wD8GkH/AMVQB0lFc3/wsfwR/wBDl4f/APBpB/8AFUf8LH8Ef9Dl4f8A/BpB/wDFUAdJRXN/8LH8Ef8AQ5eH/wDwaQf/ABVH/Cx/BH/Q5eH/APwaQf8AxVAHSUVzf/Cx/BH/AEOXh/8A8GkH/wAVR/wsfwR/0OXh/wD8GkH/AMVQB0lFc3/wsfwR/wBDl4f/APBpB/8AFUf8LH8Ef9Dl4f8A/BpB/wDFUAdJRXN/8LH8Ef8AQ5eH/wDwaQf/ABVH/Cx/BH/Q5eH/APwaQf8AxVAHSUVzf/Cx/BH/AEOXh/8A8GkH/wAVR/wsfwR/0OXh/wD8GkH/AMVQB0lc38OP+SWeFP8AsC2f/ohKP+Fj+CP+hy8P/wDg0g/+Krn/AAD4+8H2fw28NWt54s0OC4h0m1jlil1KFXjYQqCrAtkEEYINAHolFc3/AMLH8Ef9Dl4f/wDBpB/8VR/wsfwR/wBDl4f/APBpB/8AFUAdJRXN/wDCx/BH/Q5eH/8AwaQf/FUf8LH8Ef8AQ5eH/wDwaQf/ABVAHSUVzf8AwsfwR/0OXh//AMGkH/xVH/Cx/BH/AEOXh/8A8GkH/wAVQB0lFc3/AMLH8Ef9Dl4f/wDBpB/8VR/wsfwR/wBDl4f/APBpB/8AFUAdJRXN/wDCx/BH/Q5eH/8AwaQf/FUf8LH8Ef8AQ5eH/wDwaQf/ABVAHSUVzf8AwsfwR/0OXh//AMGkH/xVH/Cx/BH/AEOXh/8A8GkH/wAVQB0lFc3/AMLH8Ef9Dl4f/wDBpB/8VR/wsfwR/wBDl4f/APBpB/8AFUAdJRXN/wDCx/BH/Q5eH/8AwaQf/FUf8LH8Ef8AQ5eH/wDwaQf/ABVAB8OP+SWeFP8AsC2f/ohK6SvO/APj7wfZ/Dbw1a3nizQ4LiHSbWOWKXUoVeNhCoKsC2QQRgg10H/Cx/BH/Q5eH/8AwaQf/FUAdJRXN/8ACx/BH/Q5eH//AAaQf/FUf8LH8Ef9Dl4f/wDBpB/8VQBY8YWkN/4dNpdxiSC4vLSORD0ZWuYwR+Rrj/DWsXulaHe+CXmY63p90thZyEZLQSAtHN9EjDEjtsA71o+IPFHgnX4YIj8R9O09IZVmxZaraDzGVlZCxcN0Kg4GAe+eKT/hIfhz/bya23jPQzqiWX2P7UdUttxXOdxGdu7PfGOSMY4oAyvAkH9j6b48h0pvs/2LUphAxUNtCRjHB69Knh8TeILnTfAckepJHLralbtmt0YMfKLbscY57DFV9Om8A6ZFrCQfFC3b+2CzXRk1WxJ3tjc6/JwcZHpg9MgERxj4fRW+iwxfFC3VdEJNl/xNbHK5GOfk54OOe1AGt/bevWOi+N7efUxc3egoZbW8e3QMwNuJgrKAFOOmcVLNrOuyz+CEttSSEaxbt9r3W6tuYWxk3dscjOBgZ9uKyJZvAUx1zzPijbka6my8H9q2PI2hfl+T5fkG36H1wQ/7V4DD6G4+KFsDoaFLTGq2POQVJb5Pm+Q7PoPUkkAfHqfimSx8W2w8RYl8PyM8Vz9ii3zjyvMCOMbQByMgAnPUVeufEGq6nZ6FJaalJaNf6St39m062Sa6klYKQSsilFiGTkkrzgZrLE3gJW1sr8Ubcf24MXYGq2PPGPl+T5flyv0PrggspPh3YXOn3EHxJthLY2YsFYa3aqZbdSSsb7QOBngjB96AO08D6vda94H0rVNQKm5ubcPKUXAJyRnHbpW9XDeG/E/w/wDDGhQaTY+ONHmt4M7DcavAzAE9OCBgfStX/hY/gj/ocvD/AP4NIP8A4qgDpKK5v/hY/gj/AKHLw/8A+DSD/wCKo/4WP4I/6HLw/wD+DSD/AOKoAPFH/IxeDP8AsNSf+m+8rpK878R+PvB8+veE5IPFmhyJb6tJJMyalCRGv2G6XcxDcDcyjJ7sB3roP+Fj+CP+hy8P/wDg0g/+KoA6Siub/wCFj+CP+hy8P/8Ag0g/+Ko/4WP4I/6HLw//AODSD/4qgDpKK5v/AIWP4I/6HLw//wCDSD/4qj/hY/gj/ocvD/8A4NIP/iqAOkorm/8AhY/gj/ocvD//AINIP/iqP+Fj+CP+hy8P/wDg0g/+KoA6Siub/wCFj+CP+hy8P/8Ag0g/+Ko/4WP4I/6HLw//AODSD/4qgDpKK5v/AIWP4I/6HLw//wCDSD/4qj/hY/gj/ocvD/8A4NIP/iqAOkorm/8AhY/gj/ocvD//AINIP/iqP+Fj+CP+hy8P/wDg0g/+KoA6Siub/wCFj+CP+hy8P/8Ag0g/+Ko/4WP4I/6HLw//AODSD/4qgDpKK5v/AIWP4I/6HLw//wCDSD/4qj/hY/gj/ocvD/8A4NIP/iqADwv/AMjF4z/7DUf/AKb7OukrkvA+pWOr6p4uvtKvLe+tJdaTy7i2lWSN8WFoDhlJBwQR9RXW0Ac3ff8AJU9C/wCwLqX/AKPsa6Subvv+Sp6F/wBgXUv/AEfY10lABRRRQAUjMFUsxAUDJJPSlrhfjJd3Vp8M742rSIkkkUVw8fVYWcBvz6fjQBtr440By5ivJZYYyQ91FaTPbrg4OZghjA467q2bO8t9QsobuymSe3nQPHIhyGU9CKzryYaN4TM2gWVtcQWtvuhtzMYo2iVc4DBW7dOOfUda4qy8Yajd6D4at9I0aTTV1dZ5IYdOmimligiC/dM4SNWJbodwCjjk8AHplFeYal4g8Z6R4QupdRY2l5DqUMdvNOlu0k9vI4UF0jZlVvvDIxntjFa02vav4c8SaxBqV/8A2pa2+iPqqIYFiaNkYgou3qpA75PvQB3NU7/U0sdLur2KCe++zAloLNBJKxHVVXPLe1cRpWpeM7m/0q6khvv7Nvo8XrXP2JI4C6/I8Gx2c/MR8rhiaxNFv9Y0f4O65rlrrVzJdxXNy6+fHE4VhMwLfcBJbOTkkegFAHrkb+ZEj7WTcoO1hgj2PvTq486rqWteJv7Ds9SfTRb6ZFdzXEMUbyyPISAAHVlCjbzxk7h0rf0H+0holumuz2txqMYKXElpny2YE9M4wcYyPXNAGjRRRQAUUUUAc3Y/8lT13/sC6b/6Pvq6Subsf+Sp67/2BdN/9H31dJQAUUUUAFYeueM9A8OXCwazqAt5GUOVETybFJwGbaDtGQeTgcU/W/Fmj+HZ4odWnnjeVdyCK0mmyM46opA/GjUprODSbie2tVuZtVAWOBlI+1O0e1VIPQbRz0wASe9AFi71/TLLTIdQmu1NtcbfIeIGQzbhlQiqCXJHOADUUPijR59Hu9UjvALWz3faS8bo8JUZKshAYN7YycjArlZPCWreH7TwbJpEX9qN4fWSK4thIsbTCSPazoWIGVOcAkcHGab4OmfWfiP4s1AWhhsgba3dHKuGuIwSeVJXcvyg4Jwcc0Ab2n/EDw5qmp2+n2V3cNdXLFYkewuIwxCljyyAdAT17VuX+oWul2Ml5qE6QW8YyzueB2A9yTwAOTWLHjVPiDK55h0S2ES/9d5sM34iNU/7+Go/HWk6lqml2Euiok11puowXwtncILgRk5TceAecgnuBQBqaV4g03WpJo7CdzNBjzYJoHhkQHoSjqGAPY4waluNZ0+11i00ue5Vb68V2ggwSzhRljx0GPXFeeTeIJf+Fp3OrPptzax6RoZF/ECsshZ3DRxnyyw3dSOTxzxVBfFOht488NahJdzzXkj3JvJPsFwoUtEFSNAyAlF5Ax7scZJoA9Pu9e0yw1S0026vEjvLxisEOCWcgE9unAPJxSapr2n6M0KX0snm3BIihggeaSTHUhEUsQMjJxxXN+Nf+R28Ef8AYQm/9EtTfGUV8fFWkz+FZoz4hht5iLWcfuZrXK7w56r82wAjnJ9MkAHWaZqllrFkLvTZxNCWKk4KlWBwVZTgqQeoIBq3XK/D26gvPD9zKsFxb35vZf7SiuAAyXRwXHHGMFcY7Y711VABRRRQBzfhf/kYvGf/AGGo/wD032ddJXN+F/8AkYvGf/Yaj/8ATfZ10lABRRRQAVz/APwnfhoa4ukHVYxePKYVBRwjSZxsEmNhbPGM5zxUn/CZaJ/b39jfaLj7d5nlbPsc23d6b9m38c4rP8TaLbavZ6f4YsYUVYZ4Lh2Az9lhjfOQf7zbSg9csexoA19V8TaVos4hv7iQSlPMMcNvJMyJ/fYIp2r/ALRwKvQ31rcaet9DcRPaPH5qzhxsKYzuz0xjvXITx6n4Y8aa9rclj9u0jUbaGR5lnjQ2hhQqQ4dhlCCWyuSMng1wmmQ6nfeEPBnh5wLaz1u/urlop87DboTKkTAYJVs5wMZGOlAHr2j+I9M1/wAw6RO9zHHjMywSCNv91yoVun8JNQ654s0bw5NBFq9zJHJOrNGkVvJMxAwCSEVsDkdcZrP8Oa5qDeJtS8Na1FaefYwxzwT2UbRxywtkD5GZipBGMZIroL24ttOtLrUbnaiQQmSaTHOxAW6+3P5mgDKtPGugXuj3Wqw3xWztJPKmkmt5Itr4BC7XUEn5l4APUVPofirRfEkc76NfLP8AZjiZGRo3i9NyuAw6HqO1VfC+lKnh2zudThH22eVtSl3fwTS7if8AvlX2/hUGjaXFf+LNU8SCNBa3ttHZwjb/AMfCIWLSsO4O4KPVVB6EUAXdP8YaFqurf2bZX2+7KGRI2idBIo6sjMoDj3Uml1HxdomlXj219eFHi2+cywSOkGenmOqlY8/7RFc3q8+o23xR0G41vS4f7MV5bXTbm1nLNHNInWVSo6qhAA4GTyeKoamdQ8H6J4zXV9N+2aXqE093DerNGF/fKF8p1Y7sg4UYBzx0oA9MVgyhlIKkZBB60tYXgi1vLLwJottqe4XUdlEsiv8AeU7R8p9wOPwrdoAKKKKAOb+HH/JLPCn/AGBbP/0QldJXN/Dj/klnhT/sC2f/AKISukoAKKKzdb8Qad4eto59WlljjkfYpit5JiTjPRFJH1NABrXiHS/Dtuk2r3XkLI22NVjaR3OMnCKCxwOuBxTbPxLo1/oJ1u01GB9NVSzXG7CoB1znkH2PNJBqWk3VgviKNz5PklVnkjdGCbuQEYBhlgOMZOB14rj7vwXqU3gfUk0+KOC/vtX/ALXWxdgqcOrCJiOASEBPbcT25oA7HSvEml6zcS29jPJ9oiQSNBPbyQSbD0YLIqkqfUDFJqXifSNKv4rG8uibyUApbQRPNKRnGdiAkD3xiuIvNWvdR+KujSppM1jcaXpl1NfxPLG7bHUBEJjYr99cjJyeuBWV4e1XWvDfw/XxvKLC/TUJxc6mGjf7QyNJsG2Tdj5QQAm3AAPNAHrlzcw2dpNc3LiOGFGkkc9FUDJP5Cuds/iN4Zv762s7a9uDNdSCOEPp9wgZj0G5owB+JrpZI0lQpKiup6qwyDXPXONV+IFrBjdDo1ubp+OPPlykf4hBKf8AgYoAfd+OvDVjrI0q71WOK6MgiwUfyw5/gMmNgb2JzVrW/E+keHVU6tdNFld5CQvKVX+8wRTtX3OBWT4v0W21bw7/AMIpZQpuvWVm7+RGJAzzEnvnOO5Y+xI0PFcWtHQ7oeGLOxnvpozG32qQp8uD0wDuPPAJA560AXLjXdMtdHj1Sa8j+xShTHKmW8zd90KBksTngAEmjStc0/WlmOnTM7277JopYnikibGQGRwGXI6ZHNcFZ2NzqngXwfqfhbT3xotzubS55gHfZvhcbzhd4O4gnA5PTpVzw7dz6t8Y9ZvYrOSzt7bS4bS6R3ViZ95ddxQldwQ4IBOPXtQB6DRRRQAVzfw4/wCSWeFP+wLZ/wDohK6Sub+HH/JLPCn/AGBbP/0QlAHSUUUUAFFFFABRRXI+MvEthp91b6PqM9zbQXSGS5mhtpZSYs48tTGpwWOQTxhQcckGgDoNK1nT9ctZLjSblbmGOV4WkQHG9ThgCev1HBoj1nT5tbm0iK5V7+3iWaWEA5RGOASenPpnPevNvCvjbStK8M661h5m/wDtq5MK/YptkayytsYqEzgAElRyMYwCaTQPE3h6z+JNxJaXN3Oj6KoeaSymWSeYSyyOzAoOSO/A6KOmKAPSr/WdP0y6sre+uVhmv5fJtoyCTI+M4AH8zx09ar6l4n0rSbw2t3NM1wsfmvHb2ss7Rp03OI1bavB5OBwa8w1jxhol5qOgardXFyb3+2IpZUNhcAW0CxygRrlPmILAttyWJJ6AY3tfl1i38XajqXgVheT/AGKE6rZyIOmG8pos/wDLXaWO08EAZ5IBAPQrS7t76ziurOZJ7eZA8ckZyrqeQQalrE8GvpkngzS20JZFsPIAiWb74xwQ3+1nOfetugAooooAKKKKAOb+HH/JLPCn/YFs/wD0QldJXN/Dj/klnhT/ALAtn/6ISukoAKKKKACiiigArEuPGOg2msR6Zc34juZJRCmYn8syf3PMxs3f7Oc0knjLRIteGjPcXAvjIItgs5iu44wN4Tb365xXN/Et7+zsLWd9Jtrnw3Z3Md1feTMVuPlfdkLtxtDYJwSTz060Addq2v6bohhXUZ2WSfPlRRQvNI4H3iEQFiBkZOMClfX9KTQl1lr6H+zmQOtwDlWBOBjHJJPGOueOtcxYu8vxz1QXHPkaNCtvnsrSEsR9W6n2FcRYyzHUrCzb/kHDx5diNf4ML8yD6bixHuKAPX9J1zT9bSZtOmZ2gfZLFJE8UkZIyAyOAy5HIyOa0K4iFnT49XKQ8QyeHUefHeQXBC599pP4V29ABRRRQAUUUUAc34o/5GLwZ/2GpP8A033ldJXN+KP+Ri8Gf9hqT/033ldJQAUUUUAFFFFABRRRQBmar4h03RpY4r6aTzpVLpDBBJPIVHVtkasQo9cYqK88V6JY6HBrE98rWFywWGWGNpfMJzgBUBJPB7cYOelY17aarovxCudfgsTqOnXlgkEuyeON7QxszZ/eMoKHcScHI54qr8KIzceGbvUHtxFb3eqXVzYKR/q4HfgLnsSD6ZoA39E8Y6J4ivZbTSbmaWeKPzXSS0mhwucZy6gda3K5zwvjUNR1jXiMi7uPstuxH/LCDKDHsZDK30Iro6ACiiigAooooAKKKKAOb8L/APIxeM/+w1H/AOm+zrpK5vwv/wAjF4z/AOw1H/6b7OukoA5u+/5KnoX/AGBdS/8AR9jXSVzd9/yVPQv+wLqX/o+xrpKACiiigAqK7tLe+s5bW8hSe3mQpJHIMq6nggipazPD/iHTvE2mtf6RN5sCzSQkkY+ZGwfz4I9iKAMeHwHDaac+m6fr2s2mmupT7Ek0boiH+FWeNnUewapbvwDo1zoOm6XCbqzXSjusrm2nKzQHuQxz175BFWrXxIbnxte+HmszGbW1S5E5kB3hmKgbccdPWtygDltT8BWmq6Cul3Oq6oF85Z5rgSxtNO642lmZD0wMBQBxUn/CFxSeIv7Yu9Z1K7la0+xSwzeR5UsPdWVYh1PzEgjk8YHFdLRQBzeg+CLHw/NH9lv9SuLaAk21ndXO+G2/3BjPAJAyTjPFVJfhvpz6FqOjx6nqkNjqEzSyRRzJiMM25kQFCAC3Pc8cHGQej+03v9tm2+wf6D9n8z7b5w/1u7Hl7OvTnd07Vk6/4vh0fTLS/tLf7fBc3y2RZJdgRjJ5ZPQ5wQenpQBDe+BLO9k0+5/tTVLfULCD7OuoW8yRzSxddj4TaR/wEV0FhYw6bYxWltu8uMcF3LMxJySSeSSSSSepNWKKACiiigAooooA5ux/5Knrv/YF03/0ffV0lc3Y/wDJU9d/7Aum/wDo++rpKACiiigArmtV8GtqmtNqQ8Sa3ZSFPLSO1miVI17hQYyRkjJ5549BjpaKAMKTww8mjwacdf1kJGWMswnTzrjJ6M+zIA7bNtaOlaVZaJpsVhpdutvbQjCov6knqSepJ5NXKKAKem6XDpi3PkM7tdXL3MryEElmPTgDgABR7Adaor4dePTJ7O31vVYvPuXuGn85HkUMcmNS6HanoAMj1raooAztE0Gw8P2TW2mxMokcySyyOXkmc9XdjyxPqaW80W3vtb03VJXlE+m+b5KqRtbzF2tuGMngcYIrQooA57XPCKa7rWn6lLq+o2smnOZLaO38nYjEYLHdGxORxycemKs6v4bg1XULXUI7u60+/tVZIrq0ZQ2xsbkIdWVlJAOCDgjitiigDP0fRrfRbWWK3eWaSeUzzzztukmkIALMQAM4AGAAAAOK0KKKACiiigDm/C//ACMXjP8A7DUf/pvs66Sub8L/APIxeM/+w1H/AOm+zrpKACiiigBCMqQCRx1HauQj+H7xSyyJ4u8SKZ5DJLtuYRvJ9SIs9OPYAAYxXYUUAYWq+E7XW7pW1W9vrmyXaRpzSqLclehYBQz8jOGYjParOteH7PXLSCG48yB7WVZra4t2CyW7r0ZTgjpkYIII6itSigDCi8KW0dnqUbX19Jeamnl3GomRVuMAYXaVUKuMnACgZJOKuXuiwahoI0m6muHg2xo7s4LyhSDhiRzu24b1BPStGigDL8Q6GPEOlmxfUb2wjZgXazZFZx/dJZW+U9x36dOKo6f4SexM/m+I9dvRNA0IW4ulAi3fxLsRcMOx5xXRUUAYdh4XjtZrWW/1PUNXezJa2N+6N5TEEbvlRdzYJG5skZPNJP4TtL7WU1DVbu81HyZfNt7W4dfIgbsVRVAJHYtuI9a3aKACiiigAooooA5v4cf8ks8Kf9gWz/8ARCV0lc38OP8AklnhT/sC2f8A6ISukoAKKKKAMLxD4Y/4SGa1kbWtU08Wx3IljJGqlv7x3IxJHb0otPDM9nptzar4k1qWSdgftU0sTyxgfwrmPaAeeduffgY3aKAMzRPD9joEMy2KyPLcP5lxczuZJZ39XY8n2HQdqy4vAemxf6Otze/2X9o+0jSjIv2YPu39Nu7G75tu7bntXT0UAUbfSxb61d6iLu7ka6SNDbyS5hi2Z5Rf4Sc8+tOsdLgsLm+uImd5b6fz5WkIJyEVAowPugKMD6+tXKKAORfwE7XtzdJ4t8RxSXL75PLuIVHsB+64AHAHatKfw3JLfpcwa/rFsBAsDQRzo0bgfxEOjEMe7KQa3KKAMiXw7ENFg0vTL280q2h/58nUO46kFmVjyTkkEMT3qzo+jWOg6aljpcHlQqSxySzOx6szHlmPcmr1FABRRRQAVzfw4/5JZ4U/7Atn/wCiErpK5v4cf8ks8Kf9gWz/APRCUAdJRRRQAUUUUAMmj86CSLe6b1K7kOGXI6g9jVfS9PGlaVbWK3NxdC3QIJrqTfI+O7N3NW6KAM7R9Ft9Eiu47R5XF3eTXj+aQcPI25gMAcZPH86F0W3XxNJrgeX7VJZrZlMjZsV2cHGM5yx7+nFaNFAGdq2i2+sS6dJcvKp0+8W8i8sgbnVWUBsg8Yc9Mduap33hWK51ibVLHUr/AEu6uI1iuWs3TE6rnbuDowyASAwwfet2igCppemWuj6ZBYWCFLeBdqAsWPXJJJ5JJJJPqat0UUAFFFFABRRRQBzfw4/5JZ4U/wCwLZ/+iErpK5v4cf8AJLPCn/YFs/8A0QldJQAUUUUAFFFFABXPDwfE5mjvtX1XULKWbzjZXcyPGDu3Bc7A5UH+EsRx0roaKAMfVvDcGqahBqEd3daffwRtCt1aMocxtyUIZWUjIB6ZB5BFRP4O0hvDMWhpHJFbQOJopUkPmpKG3eaHP8e7Jz3ye1btFAGVo/h+30i5urv7RcXt9eFfPu7plMjhRhVwqqqqMngAdTWrRRQAUUUUAFFFFAHN+KP+Ri8Gf9hqT/033ldJXN+KP+Ri8Gf9hqT/ANN95XSUAFFFFABRRRQAUUUUAYuteGIPEEwXUr++axwA+nxyKkMvOfn2qHYH0LY9q1fs6LafZ4P3CBNieUAPLGMDaOgx2qWigCrpmnQaTpVrp9mCILWJYk3HJIUYyT3J6k+tWqKKACiiigAooooAKKKKAOb8L/8AIxeM/wDsNR/+m+zrpK5vwv8A8jF4z/7DUf8A6b7OukoA5u+/5KnoX/YF1L/0fY10lcb4j1e20b4k6BcXkd5IjaTqKAWdlNdPnzrI8pErMBx1Ix0GeRV7/hPNI/58/EH/AITmof8AxigDpKK5v/hPNI/58/EH/hOah/8AGKP+E80j/nz8Qf8AhOah/wDGKADxtfzx6THpenQz3F7qj+QsdsVEgi6yuCxVQQmQCSPmZa5Tw7dSeF/ijPp8uk3Wj6V4ij821huDDtW5jXDhfLdgNy4PJyTjitafV/Ctx4hh1yWw8T/2hCnlxyLo2qqoXuuwR7cHjIxzjmoNeu/Bvia5tp9a0vxNPJanMBTR9WiEZzncAkYG7360ATweb/wuXXPs5RZf7Dh2GT7obe+M+2a5vR7TVNeHhxxd+JDeNOX1iQ3dzFayxbT8yOpEZBO3b5fUHmtS6vPDdvd3mtaPpniNtcktmijlutJ1d43O0hVdTGQy55wQfXrzXH6UNGEcMcHgnxZol/GqZ1EWmoGNGXGXVEQ56ZClFB9qAO0t2uvFUHiu6l1i+sL3S7+4tbRLa5aJLdYlGxmjBw+45YlgcjgYxWfZ6lq3ibWPCC3upX9gNW0eaW6jtJjFuYBcOuOhOc59+K1b668F6jqE17daN4h8+4UJcGLQ9UjW4UdBIqxBZB/vA0tzfeD7vXbTWJtL8TfbrMBbd49G1VFiA/hCLGFwe4xg980ATW0M8fxPl0GbUtQuLD/hHI2KyXTBi/mmMvuUghyFHzDBySe9cPY2aRfA3wzPHLcebc6raly87yKpFwwBVWJVfooAPfNdqup+Ek8TnxCuneJ/7TKeWZjo2qkFMfd2eXt298YxnnrzWdJZ/D+SzFodC8SJbibzxHHpGroA+SQfljHQkkDoCTjGTQBoRxXmneM9c0ePV9RltZdGS9UzXBd4pTJIpKMfughRwMD2rBhl1SPwz4E1hdf1U3eqXVvZ3O653IySRvk7CCpYFQQxBOeua1Jv+EKn1CW+l0/xcbqaH7PJL/Z+shnjx9w4Tke3rz1qNrfwI+n2Vk2k+K/s1hJ5trGNN1kCFuxX5OCO3pk4xk0Aa/haS4sPiB4i0Nr68vLSGC2uYftlwZWiZwwcAtzg4BxnAxxXaVwNjqHhHTten1q107xQNQuBtmmk0jVpN47Aq0ZXA7DHHbFbX/CeaR/z5+IP/Cc1D/4xQB0lFc3/AMJ5pH/Pn4g/8JzUP/jFH/CeaR/z5+IP/Cc1D/4xQAWP/JU9d/7Aum/+j76ukrzuz8aaWvxJ1m4NrrmyTSbBABoF8XBWa8Jynk7gPmGCRg8gE7TjoP8AhPNI/wCfPxB/4Tmof/GKAOkorm/+E80j/nz8Qf8AhOah/wDGKP8AhPNI/wCfPxB/4Tmof/GKAOkorm/+E80j/nz8Qf8AhOah/wDGKP8AhPNI/wCfPxB/4Tmof/GKAOkorm/+E80j/nz8Qf8AhOah/wDGKP8AhPNI/wCfPxB/4Tmof/GKAOkorm/+E80j/nz8Qf8AhOah/wDGKP8AhPNI/wCfPxB/4Tmof/GKAOkorm/+E80j/nz8Qf8AhOah/wDGKP8AhPNI/wCfPxB/4Tmof/GKAOkorm/+E80j/nz8Qf8AhOah/wDGKP8AhPNI/wCfPxB/4Tmof/GKAOkorm/+E80j/nz8Qf8AhOah/wDGKP8AhPNI/wCfPxB/4Tmof/GKAOkorm/+E80j/nz8Qf8AhOah/wDGKP8AhPNI/wCfPxB/4Tmof/GKADwv/wAjF4z/AOw1H/6b7Oukrzvw5400uHXvFjva64RNq0bqE0C+YgfYbVfmAhJU5U8Ng4wcYIJ6D/hPNI/58/EH/hOah/8AGKAOkorm/wDhPNI/58/EH/hOah/8Yo/4TzSP+fPxB/4Tmof/ABigDpKK5v8A4TzSP+fPxB/4Tmof/GKP+E80j/nz8Qf+E5qH/wAYoA6Siub/AOE80j/nz8Qf+E5qH/xij/hPNI/58/EH/hOah/8AGKAOkorm/wDhPNI/58/EH/hOah/8Yo/4TzSP+fPxB/4Tmof/ABigDpKK5v8A4TzSP+fPxB/4Tmof/GKP+E80j/nz8Qf+E5qH/wAYoA6Siub/AOE80j/nz8Qf+E5qH/xij/hPNI/58/EH/hOah/8AGKAOkorm/wDhPNI/58/EH/hOah/8Yo/4TzSP+fPxB/4Tmof/ABigDpKK5v8A4TzSP+fPxB/4Tmof/GKP+E80j/nz8Qf+E5qH/wAYoAPhx/ySzwp/2BbP/wBEJXSV534B8aaXa/Dbw1by2uuM8Ok2qMYtAvpEJEKg7XWEqw9CCQeoNdB/wnmkf8+fiD/wnNQ/+MUAdJRXN/8ACeaR/wA+fiD/AMJzUP8A4xR/wnmkf8+fiD/wnNQ/+MUAdJRXN/8ACeaR/wA+fiD/AMJzUP8A4xR/wnmkf8+fiD/wnNQ/+MUAdJRXN/8ACeaR/wA+fiD/AMJzUP8A4xR/wnmkf8+fiD/wnNQ/+MUAdJRXN/8ACeaR/wA+fiD/AMJzUP8A4xR/wnmkf8+fiD/wnNQ/+MUAdJRXN/8ACeaR/wA+fiD/AMJzUP8A4xR/wnmkf8+fiD/wnNQ/+MUAdJRXN/8ACeaR/wA+fiD/AMJzUP8A4xR/wnmkf8+fiD/wnNQ/+MUAdJRXN/8ACeaR/wA+fiD/AMJzUP8A4xR/wnmkf8+fiD/wnNQ/+MUAdJXN/Dj/AJJZ4U/7Atn/AOiEo/4TzSP+fPxB/wCE5qH/AMYrn/APjTS7X4beGreW11xnh0m1RjFoF9IhIhUHa6wlWHoQSD1BoA9Eorm/+E80j/nz8Qf+E5qH/wAYo/4TzSP+fPxB/wCE5qH/AMYoA6Siub/4TzSP+fPxB/4Tmof/ABij/hPNI/58/EH/AITmof8AxigDpKK5v/hPNI/58/EH/hOah/8AGKP+E80j/nz8Qf8AhOah/wDGKAOkorm/+E80j/nz8Qf+E5qH/wAYo/4TzSP+fPxB/wCE5qH/AMYoA6Siub/4TzSP+fPxB/4Tmof/ABij/hPNI/58/EH/AITmof8AxigDpKK5v/hPNI/58/EH/hOah/8AGKP+E80j/nz8Qf8AhOah/wDGKAOkorm/+E80j/nz8Qf+E5qH/wAYo/4TzSP+fPxB/wCE5qH/AMYoA6Siub/4TzSP+fPxB/4Tmof/ABij/hPNI/58/EH/AITmof8AxigA+HH/ACSzwp/2BbP/ANEJXSV534B8aaXa/Dbw1by2uuM8Ok2qMYtAvpEJEKg7XWEqw9CCQeoNdB/wnmkf8+fiD/wnNQ/+MUAdJRXN/wDCeaR/z5+IP/Cc1D/4xR/wnmkf8+fiD/wnNQ/+MUAdJRXN/wDCeaR/z5+IP/Cc1D/4xR/wnmkf8+fiD/wnNQ/+MUAdJRXN/wDCeaR/z5+IP/Cc1D/4xR/wnmkf8+fiD/wnNQ/+MUAdJRXN/wDCeaR/z5+IP/Cc1D/4xR/wnmkf8+fiD/wnNQ/+MUAdJRXN/wDCeaR/z5+IP/Cc1D/4xR/wnmkf8+fiD/wnNQ/+MUAdJRXN/wDCeaR/z5+IP/Cc1D/4xR/wnmkf8+fiD/wnNQ/+MUAdJRXN/wDCeaR/z5+IP/Cc1D/4xR/wnmkf8+fiD/wnNQ/+MUAHij/kYvBn/Yak/wDTfeV0led+I/Gmlza94TdLXXAIdWkdg+gXykj7DdL8oMILHLDhcnGTjAJHQf8ACeaR/wA+fiD/AMJzUP8A4xQB0lFc3/wnmkf8+fiD/wAJzUP/AIxR/wAJ5pH/AD5+IP8AwnNQ/wDjFAHSUVzf/CeaR/z5+IP/AAnNQ/8AjFH/AAnmkf8APn4g/wDCc1D/AOMUAdJRXN/8J5pH/Pn4g/8ACc1D/wCMUf8ACeaR/wA+fiD/AMJzUP8A4xQB0lFc3/wnmkf8+fiD/wAJzUP/AIxR/wAJ5pH/AD5+IP8AwnNQ/wDjFAHSUVzf/CeaR/z5+IP/AAnNQ/8AjFH/AAnmkf8APn4g/wDCc1D/AOMUAdJRXN/8J5pH/Pn4g/8ACc1D/wCMUf8ACeaR/wA+fiD/AMJzUP8A4xQB0lFc3/wnmkf8+fiD/wAJzUP/AIxR/wAJ5pH/AD5+IP8AwnNQ/wDjFAHSUVzf/CeaR/z5+IP/AAnNQ/8AjFH/AAnmkf8APn4g/wDCc1D/AOMUAHhf/kYvGf8A2Go//TfZ10lcl4Hv4dT1Txdd2yXCRSa0m1bm2kt5BiwtBzHIqsOncDI56GutoA5u+/5KnoX/AGBdS/8AR9jXSVzd9/yVPQv+wLqX/o+xrpKACiiigArO17Vm0PRZ9RGn3eoLbqXeGz8vzNoGSwDuoOAOmc+gNaNZ3iH/AJFnVP8Arzl/9ANAHL2XxW0ue10i91HSNX0nTtZZEsb68jhMMjOMopMcjlCe24Cu5rx7wl4Gv/Gfwv8AB1vrmuQ/2Fb29tdCwtbEpJMUUFUklMjArnrtRc1D441PUgviTWNC1fVLmTStQhiFxHeNbWtjgxB7cQhitw3zkszIAN+A2VxQB7PVb7dFK93DZss9zaYEkIbGGK7lUntkEH8a89vLK9174wa1ocmv6xZWC6PbXKJY3ZiMchlcEqe3CjPr3rO8JaVFa3vxLvLa61CO4g1CdI3+3zMAPs8bZ2sxUtnoxBYDgEDigD1HSri8u9ItbjVLH+z7yWJWntPOEvkuRym9eGx6isnxx4qPgzwrPrZsWvkhkiRoxKI/9ZIsYOcHuw7Vw2j6/e6hoXwz0nUtTuootesJJby6WdkmuHjhQrH5oO5SxctkEMdmAeTTfiPpk2jfB3xLYTa5caukeo2jwi5JeS0ja5gKwtISTIR1yx3YYZ7UAeuUV5f4guPEHiXx9rnh7S2SNNOs7d7cLrk+nSK0gYmYCKJzKAcLhjtG3oc12/hA6p/wiWnp4hu7a91OKMxXVzak+XK6sVLDKr1xzwBnOOKANmiiigAooooA5ux/5Knrv/YF03/0ffV0lc3Y/wDJU9d/7Aum/wDo++rpKACiiigArnde8ZWugzSxnTdU1AW6B7l7G28xbdSM5ckjtzgZOOccirOt+IZdGniji0LVtTEi7i9hEjqnPQ7nXmnajetHYiPT7cLqOoL+6ikUZVioBeTGeFGM9egUckUARS+LdNGlaffWfm3/APagH2GC2UGS4+XccBiAMAEksQBjmp9G8RWmtfa0SOa0urFxHdWt0AskJIyM4JBBHIIJB9a5668E3Wm2vhiTw1cQfaPDqvGsd4zLHcRugWTcyglTxkHBxWf4Pgk8U+KvFWs3sUf9mXkcenIbeRtlxsBEhV8Asozt3DGeaAOj0fxiutaoLW30HWoYGDMl/cWypbuo6MG3ZIbjHHftWrq+r2uiWH2q9LbWdYo4413PLIxwqKO7E8YrkdK8PN4L8cWFh4fuZzouowTGXT5pmkW2ZACJELZIBJCkZ7j8NvxjoF14h0u0/sq6igvtPvo722aUExtJGSNr45wQSOKAJ9M8UWt/fXNhc211pl9axCeS2vQgbyjxvBRmUrkY4PB61Us/G9ndtYyNp+oW9jqMgjs76aNBFOzDK4AcuobHBZQDXM2Nzd618ULvVNQhtlstD0uS1vHtJGmjaViGaMMVXdgAkgAYPBrO0SC90b/hGr+XdqHhS+uozp9pLLmTTHm4hJP/AC0A3YwfuFuM4yQDutT8aWOm3l5ALS9vE05Fe/ntY1ZLQEZ+bLAk45IUMQOTWhqXiDTNK0UareXSi0cKYnT5jKW+6EA5YnsB1riPDjfZtF+I635Cypqt7K+8ciFoVKE+23pWD4b06+v9Z8EadqF3NYra+H3u7Vgis3nFwvAcFdwjIIyDj0oA9Y0nU5NVtWnfTb3Txuwq3iorOPXarEgezYPtV+uW8Fatqd5NrWm6zMLybSb426XqxhPPQqGGVXgMM4OMDpxXU0AFFFFAHN+F/wDkYvGf/Yaj/wDTfZ10lc34X/5GLxn/ANhqP/032ddJQAUUUUAFcnP8RNLttQghubLU4bO5nFvDqb22LWRycABs5wT0bGD1zjmtD/hJZf7e/s3/AIR7WdnmeX9u8mP7P/vbt+7H/Aar67p8XiEwaBAirZW00M14yrhUWNg6Qr6MSq5x0X6jIBZ1LxRDY6hLY2thfanc28QluI7JEbyEOdpYsyjJwcKMscdKefFGnN4XTX7QyXlpKgaFbdN0kzE7QiqcfMW4wcc9awNWt77wh4g1vxVBc2LaZfQRteR3krxtC8S7VMe1TuyMDZxk9DVLwf4Ig1b4YWen+LbN8zzyXwtxK8ZgZ3Zl+6QcgNnB6E0Adb4f199ehmkfRtU0oRMFC6lAsRkz3UBjkCnazro0jCx6df6lMVLmGxiDsq+p3MB9BnJwcA4rG8FQ32k3WtaLeX0t/Y6bNGLO5uH3SKjJuMbN3K5HPowrd1221W70iWHQb+HT7xvuzzQeaFHsMjB9zn6GgA0jXtP1rw/DrNlMBZTRmQSSfJsAJDbs9MEEH6VT0rxZaaz5k1nZ3o05EZxqU0axwOB3XcwYjqchccda841CW5n+EOm6NNDFp8S63HpOovbszR+WsxV5ASckFgM5PJJrp7mPUo/FEng+91GS+0rWNJn2OYI45LMgBDjy1UFSG4yMg45oA2bXxvYXN1YrJZ31ra6k+yxvbiNVhuWIyoXDFl3AZG5Vz2p194ytrS5vo4NN1C+i03i9uLVEKQHaGIO5wzEKQSEDYzXDazaa+bfwt4IuzYXF3DdwS+faSOzrbQH/AFrqVAjOAB1bcemKn1yx1C91XxLqfhGRvs0Egt9X0ySXYt+yorOUPWM7CF3D73PTGSAeoW1xFd2sVzbOJIZkEkbjoykZB/KpKo6Jd2+oaBp95Yx+Va3FrHLDHjGxGUFRjtgEVeoAKKKKAOb+HH/JLPCn/YFs/wD0QldJXN/Dj/klnhT/ALAtn/6ISukoAKKKzdb1h9Gto5Y9K1DUy77fLsI1dl4zk7mXigBmt+IItFESCyvdQuZslLWxh8yQqMZY5IAAyBkkckAVSsfHGi33hefXVkmhtreQwzxTRFZYpQQPKKf38kDAznIq7Hq0H9kpq1zYXNpLKuxbaaNRcMcnbHgEgknkDOOc8c1zt54Fub7wje2wuo7bVrzUf7V8wAtEk4ZSqnuVCqq574z7UAbmmeKIL/Vm0u5srzTL/wAnz47e8VAZY84LKUZgcHGRnIz0qtP4yRNeOmWuha1fATCFr22tlNujcA5csPu5544wfSuct5tV1/4t6UbqGzQ+H7Sc3sllK0sYkmUKIy7KvzcbtuOB3NS6v4Tj8JatZ674RluLaa41CKK9sWuGeK8WWQKxwxOHG4tntgmgD0KubsPGSalrYsLTQtaaBnZV1FrZVtWAz8wctkqccHHPFdDLHHPFJBJyrqVYBiDg8dRyO/NcHbeGB4I8Y6OvhaadNL1OWSC70ySZpETEbOJU3ElcFcH13AUAdTdeI7Oz8TWGhSx3H2q/WRoXER8vCLub5j14I6Z6im6v4jg0q/gsI7S61C/njaVLSzVS4jUgFyWZVAyQOTyeBmsTxJ/yVjwT/wBctR/9Fx1FYiSP456p9oyBLo0Jt93dBId2Pox5+tAG0fGWktoNtqsDSzpdyiCC3jT99JNkgxbTjDAg5zgDBJOOasaP4ittYuruz+z3Flf2ZXz7O6CiRAwyrZVmVlPPIJ6V534e8O6hrNnf6po08MdxY+LLy8sBcbhDNETsZTgZAPzYIBxzxWx4Ulvde+KWr67JHAlpZ2CaZvtnLxSyiTe21yAX252k4HpQB6FRRRQAVzfw4/5JZ4U/7Atn/wCiErpK5v4cf8ks8Kf9gWz/APRCUAdJRRRQAUUUUAYWq+K7bTdSewhsr3UbqKD7RPFZIrGCPJAZtzDrg4UZY44Famnaha6tptvf6fMs9tcRiSKRejKf89K4/wAKF4PiZ45F4212e0lQscZi8ogEewwR7HNO+EKSRfDTT/OyFllneANx8hlcrge45+hoA6G98R2dh4k03RJo7g3WpGQQusR8sbELtljx0HbPUVoXl5Bp9lLd3biOGFSzt14+nc+3euS8U/8AJTvAv/XW+/8ASY0uv6xdxeJ0in8OazqFjZBZYTZQxvHLMedzFnX7nYY+9z1UUAacHjCwufClnr1vb3ksN6B9mto4t08rHOFCg4zhSeuAASSMU7w74tsfEk15bQ293ZXtiyi5s72IRyx7vunAJBBx1BNYHwr1CB/hhpct7aS2iWEOBPcooVxzl0IJ45x2PXit7Q9Lc61qPiC6jaKfUVjjihYYaKFAdoYf3iWJI7ZA7UAWNM8R2era5qelW0dwlxpgiM5miKA+YGK7c8nhT27jrWtXGeG/+SseNv8Arlp3/ouSuzoAKKKKACiiigDm/hx/ySzwp/2BbP8A9EJXSVzfw4/5JZ4U/wCwLZ/+iErpKACiiigAooooAK5vUPG9jpmoRQ3djqC2ktwLYaj5I+ziQnbtJ3buvGduM96sSeJZY9eGmjw9rLp5gj+3LDH9n5x827fuwM8/L2rn/iZHrNtYQ6xby2d3pWmSx3Nxpc0JDTlW4PmbuSCQQuAMjnPSgDpNX8RwaVfwWEdpdahfzxtKlpZqpcRqQC5LMqgZIHJ5PAzUTeMdIHhqLW0lke3mkEMcSxnzWmLbfK2dd+7jHbB7c1iWIkj+OeqfaMgS6NCbfd3QSHdj6MefrXEWKTjULC8bP9myeO7t4nx8mG+VD9NwcD3NAHrOj+IbfV7m6tDb3FjfWm0zWd2FEiqwyrfKzKVPPIJ6EVrVxEKvJ8ebqSHmGHw7HHPgcCQ3BKg++0Gu3oAKKKKACiiigDm/FH/IxeDP+w1J/wCm+8rpK5vxR/yMXgz/ALDUn/pvvK6SgAooooAKKKKACiiigDJ1/wAQRaBbwubG+1GaZisdrYQiSVgBktgkfKOMnPcetPsdciudB/ta+tbnSYVVnkTUVWN41UnJYAkAcZ69Ko+J/BOleK2imvvtMN7bqVtru2uHjeAnnK4OM5x1HauD1mXV9Y8G+FtN1y5DR3OufY7u8C5W5WORxGxHTDlAeepAPegD0XQ/EcevlpLPTr+Oz2b4ry4iEccw7bQW3nI5yVAx3rYrkdIvtXsPiFdeHb++bU7NtOW+t55YkSSH95sMbbFVSD1BwOhrrqACiiigAooooAKKKKAOb8L/APIxeM/+w1H/AOm+zrpK5vwv/wAjF4z/AOw1H/6b7OukoA5u+/5KnoX/AGBdS/8AR9jXSVzd9/yVPQv+wLqX/o+xrpKACiiigAqhrWjWXiDS5dO1MTtazDEiQXMkBYehaNlbB7jOD3q/RQBk+G/DGleEtKGm6DDNBZqcpDJdSzCP2XzGbaPYYGcnvWZffDXwlqU+py3ukCU6q268X7RKEkbj59gbar8D5lAPvUNl4y1LWJL+50HQVvtLsbmW1eU3ojuJ5Ijh/KiKbSNwIG90zjPTFdJpN/8A2potlqHlND9rt45/KY5KblDbT9M4oAybPwJ4fsPFH/CRWltcpqfl+UZjfzspTGNhjL7CozkDGAeevNFz4F8PXV7qd3JYyLcasgS8khupYzIAAuRtYbSQMErgkcEkV0NFAHMt8OvC0nhWDw5Nphm0u2cSW8MtzK7QMOhSQsXTHbDDFLf/AA98M6n4aj8P3mnudLSQSmCO7mj8xwc7nZXDOc8/MTyAeoFdLRQBzWqfDzwxrTWMmp6c9xPYRiKC5a7mEwT+60ofe49mJzk+tdFBBFa28cFtGkUMSBI40XCooGAAOwAp9FABRRRQAUUUUAc3Y/8AJU9d/wCwLpv/AKPvq6Subsf+Sp67/wBgXTf/AEffV0lABRRRQAVzuqeA/D+s6pJqGo21zJdSgKzpf3EYwOgAVwAPYDufWuiooAwn8GaHJpEGlvazGxgLFYPtc21yxyd/zfvP+B5q9d6Hpt9ob6NcWcZ054xGbdMooUdANuMYwOlX6KAKGmaJY6QD9ijk3MoQyTTvNIVHRd7ktgZOBnFVR4T0ddNnsIreWG2uLlrqZIbqWMvIxyxJVgcH+7nHtWzRQBV0/TLLSbBLLTbWK2toxhYolAUetZtl4M0HT7qKa0smTyXMkMJuJGhhc/xJEWKIeeqqK3KKAMbUvCWiatfNd39l5krqqy4ldFmVfuiRFIWQDsGBqzqmhadrMcC38BJtm3wSRSvDJEcY+V0IZeOODzWhRQBV07TLPSLMWunQLDCGLYBJLMTksSeWJPUkkmrVFFABRRRQBzfhf/kYvGf/AGGo/wD032ddJXN+F/8AkYvGf/Yaj/8ATfZ10lABRRRQAhG5SDnkY4OK5T/hWPhTczGxuiWYs2dSuSGJOSSPM5yevrXWUUAZNz4X0e81WLULy0NxPCVMQmld44iBgFYydin3ABp+r+HtN1yS1k1GGRpbNy8EsNxJC8ZIwcMjA8j3rTooAz5NC02XRJ9Ie1U2NwjJLFuYbw33stnJJzyc596qXPg/Rbq4tbh7eaOa0txbQvb3c0JEQ6ISjDcPrmtuigClJo2nS6M2kyWULWDJ5Zt9g2Ffp9ec+vNV7Dw1pemLP9kimElxGIpJ5LqWSXYM4USMxdQMnABGO1atFAGZpHh3StCMzaZaCKScgyzO7SSSY6bnclm/E1XvvB+iajfzXlzaSCa4ULceTcyxLOBwBIqMFfjj5geK26KAGxxpDEscSKkaKFVFGAoHQAdhTqKKACiiigDm/hx/ySzwp/2BbP8A9EJXSVzfw4/5JZ4U/wCwLZ/+iErpKACiiigDF13wlo/iSaCXWIJ5ntwRF5d3NEFz1OEYDPv1plp4L0Sw025sLOG6hgumDTFb6fe2Og8zfuA9gccnjmt2igClp2j6fpGn/YdNtIra2ySY0H3iepPck+p5qpo/hTRtC8saZbSIsOfJWW4klWHPXYHYhM/7OK2KKAMqfwzo91calPPZK8mqQrBeEu372NQQBjOBwTyMGn6V4f07RVAsIpMqnlq89xJOypnO0NIzEL7A4rSooAxb7wjo+pa9BrN3Fctf23+plW+nQR9MhVVwoBxyMc981Y1Xw/putPC+oQO0sG4RyxTPDIgYYYB0IbB7jODWlRQBk3HhjSbnR4NKa2aKwgACW9vPJCmPRgjDcPY5BPNX7KyttOsorSwgjt7aFdscUShVUewFT0UAFFFFABXN/Dj/AJJZ4U/7Atn/AOiErpK5v4cf8ks8Kf8AYFs//RCUAdJRRRQAUUUUAZOreGNI1u4WfUbVnlWMxF45niLxk5KMUYblz/C2R7VLcaBpdy+nNLZpnS3D2YUlRCQu0YAIGMcYPFaNFAGLqXhHR9W1m21W+iuXvbU5gkS+njEXGDtVXCjI4PHPfNbVFFAGDceCtBufD9poktpKNOsyDBBHdzJtI6ZZWBOM9yafovhDRfD129zpVtLHNInll5bqWb5cg4G9jjkDp6CtuigDF07wjo+la3cavZRXK310MTyyX08nm+m5Wcg47ccdsVtUUUAFFFFABRRRQBzfw4/5JZ4U/wCwLZ/+iErpK5v4cf8AJLPCn/YFs/8A0QldJQAUUUUAFFFFABWHa+DNCsrl5rezkG+Y3Bie5leHzM53iJmKA55yBW5RQBm6r4f03WnhfUIHaWDcI5YpnhkQMMMA6ENg9xnBpZPD+ky6EujPYQ/2cqhVt1GFUA5BGOQQecjnPNaNFAFDStEsNFSYafCyNO++aWSV5ZJWxgFnclm49TV+iigAooooAKKKKAOb8Uf8jF4M/wCw1J/6b7yukrm/FH/IxeDP+w1J/wCm+8rpKACiiigAooooAKKKKAMi+8LaRqOr/wBp3MEv2zyhC0kV1LFvjyTtZUYBhyeCD1q1e6Rp+o6WdNvLSKSz2hRDjCqB93GPu4wMYxjHFXaKAM/S9C0/RvNNhC4kmI82aaZ5pHx0BdyWIHYZ4rQoooAKKKKACiiigAooooA5vwv/AMjF4z/7DUf/AKb7Oukrm/C//IxeM/8AsNR/+m+zrpKAObvv+Sp6F/2BdS/9H2NdJXN33/JU9C/7Aupf+j7GukoAKKKKACiiigDyy90ixni1bxj8OfEn9hX8c0rajBI6vaTyxsVfz4ifkYlT84wec85qj4hFrqvh7wd8VtQ0SCO7sfJl1KJ4QxFrKNrtgjJ8suJF7gA16ZeeFvD+oXEM9/oWm3U0H+qkms43aPnPykjI59K0ZreG5t3t7iKOWGRSjxuoZWUjBBB4I9qAPEtI8Padp2u6z4QTQLeC08aIl/albXHk2+7E0THHyFFCuo6K8uBik+Idpoc7eMbTT7eySfQNGiRG1BxtsCsLPEllGMFGI25fcBkKNrYIr25reFrhLhoozNGrIkhUblViCwB6gHauR3wPSqVz4f0a8v3vrvSLCe7eEwPcS2yNI0ZGChYjJUg9OlAHl81hpfib4meGLXVGW9ttQ8LTeennnbOd0YOcHno34jPap4vC2gX3jzx5pV7apPZQ6Xp+LaSZmVSI5+cE9QAuD2zkda9BXwd4ZS/gvk8O6St3bhBBcCxiEkQUYXa23IwAAMdKa3gvws91c3T+GtHa4u9/2mU2ERefectvO3LZPJz1oA8esYraH4e/C/xOXL6zNq1haSX0kzNI0Ls0bx5J+7tH3emRnHWvfK54/D/wa1ukDeEtCMKMzpGdNh2qzABiBtwCQq5PfaPSugVVRQqAKqjAAGABQAtFFFABRRRQBzdj/wAlT13/ALAum/8Ao++rpK5ux/5Knrv/AGBdN/8AR99XSUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBzfhf8A5GLxn/2Go/8A032ddJXN+F/+Ri8Z/wDYaj/9N9nXSUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBzfw4/5JZ4U/wCwLZ/+iErpK5v4cf8AJLPCn/YFs/8A0QldJQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFc38OP8AklnhT/sC2f8A6ISukrm/hx/ySzwp/wBgWz/9EJQB0lFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBzfw4/wCSWeFP+wLZ/wDohK6Sub+HH/JLPCn/AGBbP/0QldJQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAc34o/5GLwZ/wBhqT/033ldJXN+KP8AkYvBn/Yak/8ATfeV0lABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAc34X/5GLxn/wBhqP8A9N9nXSVzfhf/AJGLxn/2Go//AE32ddJQBzd9/wAlT0L/ALAupf8Ao+xrpK5u+/5KnoX/AGBdS/8AR9jXSUAFcRpHinW/GzX1z4RbTrLSbS5e2ivb+B7g3jpwzIiSR7UzwGLEnB4FdvXk/wAM9QsPhn4dn8H+MLyHSZtPu5ja3N64iivYHYsrxu2FY8kFQcjHSgDqtA8bi41XV9E8TJb6ZqujhJJ2EuIJoXGUmRmxgHoQfunjJreg1/R7rUHsbXVrGa8SMStbx3KNIqHkMVByBz16V5Hr2mv4hn+InjcWzJpX/CLz6bp7zRlTdbY2d5gpGdoYAK3fqOKkih8P63ffD0+C0tW1mxu4ri/e1UCW3tvJYzCcjlSzFRh+SSfegDvNI8f6B4rt9ah0TXbKKSxeSITidHKgKv7/AGk/cDsQCflO3rzWrp2qWlrpOlxajr9ne3NxbKyXe+OP7biPc0qKDjBAL/LkAe1eXaVq2m6d4J+KOn6rcRW88eq6pO8c42hVlIEJJPA3ll285J6Zwao2Ou+Fpofg1HeajpcjxWeyZZJUJTFk0QDZ6fvht5/iGOooA9f/AOEu8N/2bHqP/CQaX9hkl8lLr7bH5TSf3A2cFvbrRqMzHXtHSHXoLIM8hewZUZ9QXyzgKSdw2435XOQDnivHYtU8ICT4uRy3mjgHe0Kl4+Q1uqMUHfMuFOP4sDripLDxPos+sfBaWXVrFrhbCRbhvOTcrNZ+UA3pmUMgH94EdaAPVJ/iB4NtriSC58W6FDNExSSOTUoVZGBwQQWyCD2q9eeJdC06/hsdQ1rT7W7uADDbz3SJJJnptUnJ/CvNL7xr4Q1/xJN/aXiDSbLw34dmLpYm6iV9Ru0O4v5ecmND90Y+d+eQozz/AMRtSsr+w+I1hDt0u8jWOS4tfJM1xf7I0KzEtuWOJR8vygcjO4E0AetTePfD8HjqPwpJqVomotB5rI86qQ5ZQkQB6uwYnaOcAHHIq7oU5aDUJZtft9XjF5KySRLGq2icEQkqTkqP4jyc81xT6tY2/wAf7e9uJtlrqfhiOG0kZGxMwunYgcdlYMfReenNcTZX0erfDPxovhx01SK38Xy3l3Z2TB3msTcKxwo6q6K2OzBWHPIoA9x03xDo2sxzPpGr2F+kBxK1rcpKI/8Ae2k4/Gmx+JdCmntYYta055bwsLaNbtC05UlW2DPzYIIOOhBrgLm/0LXfid4e8ReGL+zlsNP0+8GuXsTqIUtTGPLjlboCH+bacEBWJxXAaVrPha3+AugvJfaZHfw+IY5GPmIJU235ct68RHOf7poA+kaKZDNFc28c9vIksMqh45I2DK6kZBBHUEd6fQBzdj/yVPXf+wLpv/o++rpK5ux/5Knrv/YF03/0ffV0lABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAc34X/5GLxn/ANhqP/032ddJXN+F/wDkYvGf/Yaj/wDTfZ10lABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAc38OP8AklnhT/sC2f8A6ISukrm/hx/ySzwp/wBgWz/9EJXSUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXN/Dj/klnhT/ALAtn/6ISukrm/hx/wAks8Kf9gWz/wDRCUAdJRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAc38OP+SWeFP8AsC2f/ohK6Sub+HH/ACSzwp/2BbP/ANEJXSUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHN+KP8AkYvBn/Yak/8ATfeV0lc34o/5GLwZ/wBhqT/033ldJQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHN+F/8AkYvGf/Yaj/8ATfZ10lc34X/5GLxn/wBhqP8A9N9nXSUAc3r2n65/wlWl6zoNrp939lsrq0lhvbx7b/WvbuGVlikzjyCCCB1FH27xv/0L3h//AMH0/wD8h10lFAHN/bvG/wD0L3h//wAH0/8A8h0fbvG//QveH/8AwfT/APyHXSUUAcD4vsviF4k8JajotjpnhqwbULd7aSeXVp5tsbqVbCi2XnBODnj0NWPDw+IuleH7Ow1PS/DN9cW0SxG4h1aeAOFGAdhtmwcAZ5wT0A6V21FAHN/bvG//AEL3h/8A8H0//wAh0fbvG/8A0L3h/wD8H0//AMh10lFAHN/bvG//AEL3h/8A8H0//wAh0fbvG/8A0L3h/wD8H0//AMh10lFAHN/bvG//AEL3h/8A8H0//wAh0fbvG/8A0L3h/wD8H0//AMh10lFAHN/bvG//AEL3h/8A8H0//wAh0fbvG/8A0L3h/wD8H0//AMh10lFAHN/bvG//AEL3h/8A8H0//wAh0fbvG/8A0L3h/wD8H0//AMh10lFAHN/bvG//AEL3h/8A8H0//wAh0fbvG/8A0L3h/wD8H0//AMh10lFAHEwW3jeHxVfaz/Ynh9vtdlbWnk/23P8AJ5Lzvu3fZOc+fjGONvfPGl9u8b/9C94f/wDB9P8A/IddJRQBzf27xv8A9C94f/8AB9P/APIdH27xv/0L3h//AMH0/wD8h10lFAHN/bvG/wD0L3h//wAH0/8A8h0fbvG//QveH/8AwfT/APyHXSUUAc39u8b/APQveH//AAfT/wDyHR9u8b/9C94f/wDB9P8A/IddJRQBzf27xv8A9C94f/8AB9P/APIdH27xv/0L3h//AMH0/wD8h10lFAHN/bvG/wD0L3h//wAH0/8A8h0fbvG//QveH/8AwfT/APyHXSUUAc39u8b/APQveH//AAfT/wDyHR9u8b/9C94f/wDB9P8A/IddJRQBzf27xv8A9C94f/8AB9P/APIdH27xv/0L3h//AMH0/wD8h10lFAHN/bvG/wD0L3h//wAH0/8A8h0fbvG//QveH/8AwfT/APyHXSUUAcTpdt4303UdZuv7E8Py/wBqXq3e3+25x5WLeGHbn7Jz/qd2ePvY7ZOl9u8b/wDQveH/APwfT/8AyHXSUUAc39u8b/8AQveH/wDwfT//ACHR9u8b/wDQveH/APwfT/8AyHXSUUAc39u8b/8AQveH/wDwfT//ACHR9u8b/wDQveH/APwfT/8AyHXSUUAc39u8b/8AQveH/wDwfT//ACHR9u8b/wDQveH/APwfT/8AyHXSUUAc39u8b/8AQveH/wDwfT//ACHR9u8b/wDQveH/APwfT/8AyHXSUUAc39u8b/8AQveH/wDwfT//ACHR9u8b/wDQveH/APwfT/8AyHXSUUAc39u8b/8AQveH/wDwfT//ACHR9u8b/wDQveH/APwfT/8AyHXSUUAc39u8b/8AQveH/wDwfT//ACHR9u8b/wDQveH/APwfT/8AyHXSUUAc39u8b/8AQveH/wDwfT//ACHR9u8b/wDQveH/APwfT/8AyHXSUUAcT4ctvG/h/wAK6Vo39ieH7j+zrKG087+2508zy0Cbtv2Q4zjOMmtL7d43/wChe8P/APg+n/8AkOukooA5v7d43/6F7w//AOD6f/5Do+3eN/8AoXvD/wD4Pp//AJDrpKKAOb+3eN/+he8P/wDg+n/+Q6Pt3jf/AKF7w/8A+D6f/wCQ66SigDm/t3jf/oXvD/8A4Pp//kOj7d43/wChe8P/APg+n/8AkOukooA5v7d43/6F7w//AOD6f/5Do+3eN/8AoXvD/wD4Pp//AJDrpKKAOb+3eN/+he8P/wDg+n/+Q6Pt3jf/AKF7w/8A+D6f/wCQ66SigDm/t3jf/oXvD/8A4Pp//kOj7d43/wChe8P/APg+n/8AkOukooA5v7d43/6F7w//AOD6f/5Do+3eN/8AoXvD/wD4Pp//AJDrpKKAOb+3eN/+he8P/wDg+n/+Q6zfDlt438P+FdK0b+xPD9x/Z1lDaed/bc6eZ5aBN237IcZxnGTXbUUAc39u8b/9C94f/wDB9P8A/IdH27xv/wBC94f/APB9P/8AIddJRQBzf27xv/0L3h//AMH0/wD8h0fbvG//AEL3h/8A8H0//wAh10lFAHN/bvG//QveH/8AwfT/APyHR9u8b/8AQveH/wDwfT//ACHXSUUAc39u8b/9C94f/wDB9P8A/IdH27xv/wBC94f/APB9P/8AIddJRQBzf27xv/0L3h//AMH0/wD8h0fbvG//AEL3h/8A8H0//wAh10lFAHN/bvG//QveH/8AwfT/APyHR9u8b/8AQveH/wDwfT//ACHXSUUAc39u8b/9C94f/wDB9P8A/IdH27xv/wBC94f/APB9P/8AIddJRQBzf27xv/0L3h//AMH0/wD8h0fbvG//AEL3h/8A8H0//wAh10lFAHE+HLbxv4f8K6Vo39ieH7j+zrKG087+2508zy0Cbtv2Q4zjOMmtL7d43/6F7w//AOD6f/5DrpKKAOb+3eN/+he8P/8Ag+n/APkOj7d43/6F7w//AOD6f/5DrpKKAOb+3eN/+he8P/8Ag+n/APkOj7d43/6F7w//AOD6f/5DrpKKAOb+3eN/+he8P/8Ag+n/APkOj7d43/6F7w//AOD6f/5DrpKKAOb+3eN/+he8P/8Ag+n/APkOj7d43/6F7w//AOD6f/5DrpKKAOb+3eN/+he8P/8Ag+n/APkOj7d43/6F7w//AOD6f/5DrpKKAOb+3eN/+he8P/8Ag+n/APkOj7d43/6F7w//AOD6f/5DrpKKAOb+3eN/+he8P/8Ag+n/APkOj7d43/6F7w//AOD6f/5DrpKKAOJ1S28b6lqOjXX9ieH4v7LvWu9v9tznzc280O3P2Tj/AF27PP3cd8jS+3eN/wDoXvD/AP4Pp/8A5DrpKKAOb+3eN/8AoXvD/wD4Pp//AJDo+3eN/wDoXvD/AP4Pp/8A5DrpKKAOb+3eN/8AoXvD/wD4Pp//AJDo+3eN/wDoXvD/AP4Pp/8A5DrpKKAOb+3eN/8AoXvD/wD4Pp//AJDo+3eN/wDoXvD/AP4Pp/8A5DrpKKAOb+3eN/8AoXvD/wD4Pp//AJDo+3eN/wDoXvD/AP4Pp/8A5DrpKKAOb+3eN/8AoXvD/wD4Pp//AJDo+3eN/wDoXvD/AP4Pp/8A5DrpKKAOb+3eN/8AoXvD/wD4Pp//AJDo+3eN/wDoXvD/AP4Pp/8A5DrpKKAOb+3eN/8AoXvD/wD4Pp//AJDo+3eN/wDoXvD/AP4Pp/8A5DrpKKAOb+3eN/8AoXvD/wD4Pp//AJDo+3eN/wDoXvD/AP4Pp/8A5DrpKKAOf8LabqtnPrd5rkNnBcapqAulhs7lp0jUW0EIBdo0JJMJP3e4roKKKAP/2Q==)

Graphical user interface, chart

Description automatically generated Chart, scatter chart, box and whisker chart

Description automatically generated

Genetic Algorithm Particle Swarm Algorithm

**CONCLUSION:**

It is simple to decide which algorithm is the right alternative based on the results obtained. In this case, PSO is the best performer, and the optimization algorithm will vary in performance from problem to problem. Running several algorithms to find the right solution is a simpler way. Since they are very similar to the global minima, the algorithms used in this example are very accurate.

**APPENDIX**

1. Source Code for Fuzzy system: <https://livecoventryac-my.sharepoint.com/:f:/g/personal/jamesj29_uni_coventry_ac_uk/EsHxO0bNNKlLjfGqrCuos94BJCQbcFERhYy9z25ech4hLQ?e=HW8a4o>