

Ecosystem infrastructure for smart and personalised inclusion   
and PROSPERITY for ALL stakeholders

Internal Report on Architecture Design and Development

ANNEX II: UCH Java Client API

|  |  |
| --- | --- |
| Project Acronym | **Prosperity4All** |
| Grant Agreement number | **FP7-610510** |

|  |  |
| --- | --- |
| Deliverable number | **Work conducted for D203.1** |
| Work package number | **WP203** |
| Work package title | **Collaborative development tools/Environments**  **T203.3 Runtime Environment** |
| Authors | **Marios Komodromos, Christos Mettouris** |
| Status | **Draft** |
| Dissemination Level | **Consortium** |
| Delivery Date | **11/07/2016** |
| Number of Pages | **13** |

Keyword List

UCH, URC, ARE, AsTeRiCS, Java

Version History

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Revision | Date | Author | Organisation | Description |
| 1 | 04/02/2016 | Marios Komodromos | UCY | Initial authoring |
| 2 | 09/02/2016 | Christos Mettouris | UCY | Update |
| 3 | 11/07/2016 | Christos Mettouris, Marios Komodromos | UCY | Final version |

Table of Contents

[Executive Summary 1](#_Toc457489977)

[1 Introduction 2](#_Toc457489978)

[1.1 What is UCH java client library 2](#_Toc457489979)

[1.2 Why do we need UCH java client 2](#_Toc457489980)

[2 Installation 3](#_Toc457489981)

[2.1 Prerequisites 3](#_Toc457489982)

[2.2 Download 3](#_Toc457489983)

[2.3 Installation 3](#_Toc457489984)

[2.3.1 Install UCH java client to eclipse 3](#_Toc457489985)

[2.3.2 Use UCH java client in your project 3](#_Toc457489986)

[2.3.3 Install UCH server 4](#_Toc457489987)

[2.4 Test 4](#_Toc457489988)

[3 Technical 5](#_Toc457489989)

[3.1 Overview 5](#_Toc457489990)

[3.2 Details 6](#_Toc457489991)

[3.2.1 UCH Discovery 6](#_Toc457489992)

[3.2.2 UCH component descriptions (out-of-session requests) 6](#_Toc457489993)

[3.2.3 UCH component sessions 7](#_Toc457489994)

[3.3 Available tests 8](#_Toc457489995)

[4 UCH Java Client in AsTeRICS 9](#_Toc457489996)

[4.1 Discovering URC component variables 9](#_Toc457489997)

[4.2 Importing the UCH Java Client Library 9](#_Toc457489998)

[4.3 Connecting to the UCH server 10](#_Toc457489999)

[4.4 Changing UCH component value 10](#_Toc457490000)

[5 References 11](#_Toc457490001)

List of Tables

**No table of figures entries found.**

List of Figures

[Figure 1:Local network example 5](#_Toc456024250)

[Figure 2: UCH discovery example 6](#_Toc456024251)

[Figure 3: UchCommunicator object creation 6](#_Toc456024252)

[Figure 4: Retrieve information from UCH server 6](#_Toc456024253)

[Figure 5: Retrieve SocketDescription information 7](#_Toc456024254)

[Figure 6: UchSession creation example 7](#_Toc456024255)

[Figure 7: GetValuesRequest example 8](#_Toc456024256)

# Executive Summary

This document describes the usage of the UCH Java Client API developed by UCY in the context of Task 203.3 of WP203. It is the ANNEX II of the Internal Report on Architecture Design and Development.

# Introduction

## What is UCH java client library

UCH java client is a library that enables communication between the UCH server [1] and clients who want to access URC [2] components (on the UCH server).

## Why do we need UCH java client

According to the WP203.3 task, we target to integrate three different platforms: ARE [3], URC and MyUI [4]. The ARE is a platform implemented with the Java programming language, so in order to communicate with the UCH, it was necessary to use a java library that follows URC-HTTP protocol. Although the URC community provides a number of libraries to communicate with UCH, a java library was not included as one of them. Hence, under the WP203.3, a UCH java client was developed by UCY.

# Installation

## Prerequisites

1. Java SE Development Kit 7
2. Eclipse IDE

## Download

* Download the Runtime Environment content from this link: <https://github.com/mariokom/RuntimeEnvironment>
* extract the contents of the folder to a preferred location
* Important: let <**REFolderPath**> be this location (it will be needed later on)

1. Path to UCH java client: <**REFolderPath**>/Source Code/AsTeRICS/UCH Java Library
2. Path to UCH server (standalone): <**REFolderPath**>/UCH

## Installation

### Install UCH java client to eclipse

Follow these steps to install UCH java client in eclipse:

1. Download UCH java client zip file
2. Extract the contents to a desired location
3. In eclipse click File 🡪 New 🡪 Java Project
4. On the window that will appear: uncheck “use default location” checkbox🡪click the browse button 🡪 select the location where the UCH java client is saved
5. Click Finish

### Use UCH java client in your project

Follow these steps use UCH java client in your project:

1. Add UchJavaClient jar which is located in “<**REFolderPath**>/Source Code/AsTeRICS/UCH Java Library/lib”, to the project’s build path.
2. UchJavaClient jar has a dependency to the JmDNS [6] library. Add the JmDNS jar file located in “<**REFolderPath**>/Source Code/AsTeRICS/UCH Java Library/lib” to the projects build path.

### Install UCH server

Since we have the standalone version of the UCH server, no installation is needed.

## Test

Follow these steps to test UCH java client:

1. Open the terminal and navigate to UCH server standalone folder <**REFolderPath**>/UCH.
2. Run (double click) <**REFolderPath**>/UCH/startUCH.bat file.
3. Open the UCH java client project in eclipse, navigate to ‘test’ package and run (“run as application”) the test classes to confirm that the library works as expected.

# Technical

Before starting to use the UCH java client library, it is advised to read the URC-HTTP protocol documentation [5]. An individual with a basic understanding of URC-HTTP protocol should find it much easier to integrate the library in its own project.

## Overview

The UCH java client library (UCH jClient for convenience) is able to do three major things:

1. Discover UCH server’s location in the local network with a zero-configuration networking (zeroconf) implementation. With JmDNS [6], the UCH java client is searching in the local network for the UCH zeroconf service. If found, the UCH jClient is able to retrieve the IP address of the machine that hosts the server and proceed with the communication procedure.

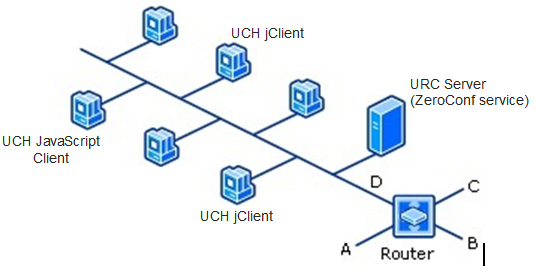


Figure 1:Local network example

1. Make out-of-session URC-HTTP requests to discover which URC components are running on the UCH server and retrieve all the available information for each one of them (static information). Using the **UCH-communicator object**, any java client can query the UCH server repository and obtain the UIlist, an xml formatted list with the running URC components descriptions. Every element of this list, contains information needed for the communication, such as the component id and its Socket Description.
2. When needed, the UCH-communicator object can create **session objects** which are following the URC-HTTP protocol as described in the URC-HTTP documentation [5]. Every session object can sent in-session requests to monitor/change the state of the URC components using a unique session id.

## Details

### UCH Discovery

To simplify the connection procedure with UCH server, UCH jClient supports an auto-discovery feature. This means that when the server and the client exist in the same local network, there is no need for manual IP configuration. A properly implemented UCH server should run a UCH zeroconf service. The client will search for this service and - if found – it will return a set of information about the hosting device. The client can then read the information and use it to connect with the server. In figure 2 you can see a snippet of code which autodiscovers the UCH server’s IP address.

Set<String> ipSet = UchDiscovery.getUchServerIPs();
String uchIP = ipSet.iterator().next();
System.out.println("This is the IP address of the UCH server: " + uchIP);

Figure 2: UCH discovery example

### UCH component descriptions (out-of-session requests)

The UCH server holds the information for every available URC component. This information is structured in XML format and is called ‘UIlist’. For every UI (URC component), you can retrieve its ID, name, SocketDescription (as a **SocketDescription** object), TargetDescription (as a **TargetDescription** object) etc. To be able to query the UCH server you must first create a **UchCommunicator object** and initialize it with an IP address and a port number (figure 3).

UchCommunicator uchCommunicator = new UchCommunicator(uchIP, 8080, false);

Figure 3: UchCommunicator object creation

After the creation, it is possible to retrieve data from the server as the example in figure 4.

String randomId = uchCommunicator.getAllUiIds().get(0);
String uiName = uchCommunicator.getUiName(randomId);
SocketDescription socketDescription = uchCommunicator.getSocketDescription(randomId);

Figure 4: Retrieve information from UCH server

The **SocketDescription** (SD) object retrieved from the UCH server (figure 4), holds information about the component SD such as the description, the creator, the date created but most importantly the variables. In order to have a better understanding, a SD variable can be the temperature variable for a thermostat component, or the light intensity variable for a lamp. The figure below (figure 5) depicts how this information can be extracted from the object.

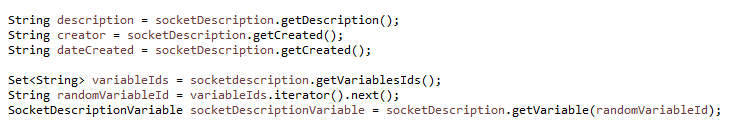


Figure 5: Retrieve SocketDescription information

### UCH component sessions

Besides getting the static description of the URC components, UCH jClient is capable of opening sessions with the actual components. These sessions allow clients to monitor or change the state of a remote URC-compliant device. To achieve something like this, you should first request from the UCH server to open a new session with a specific component and the server should return a newly generated session key. See figure 6 for the example

String randomId = uchCommunicator.getAllUiIds().get(0);
String httpUrcURI = uchCommunicator.getProtocolURI(randomId, UchCommunicator.URC_HTTP);
String sessionId = uchCommunicator.createSession_getRequest(httpUrcURI);
UchSession session = uchCommunicator.getSession(sessionId);

Figure 6: UchSession creation example

Futhermore, it is possible to call functions as described by the URC-HTTP protocol documentation [5]. The information needed for each call varies according to the type of the call. The example in figure 7, depicts a ‘readValues’ function call in a thermostat component.

GetValuesRequest getValuesRequest = new GetValuesRequest();
getValuesRequest.addGetElement(new GetElement("currentRoomTemp"));
String gvrText = session.getValues(getValuesRequest);
GetValuesResponse getValuesResponse = new GetValuesResponse(gvrText);
System.out.println(getValuesResponse);

Figure 7: GetValuesRequest example

Examples for other types of requests can be found in the test classes of the project.

## Available tests

To check the capabilities of the UCH jClient and to provide additional examples for the developers, five test classes where created (they can be found in the test package of uchJavaClient project):

* **UchDiscoveryTest** – Depicts how a client can discover information for a Uch Server that exists in the local network,
* **UiListTest** – Retrieves static information of the components from Uch Server
* **SessionTest** – Creates a session with a component and calls the available session functions
* **SessionResponsesTest** – Depicts the use of the objects responsible for parsing the session responses.
* **CompinationTest** – This is a complete example of a UCH jClient application.

# UCH Java Client in AsTeRICS

As mentioned before, UCH Java Client was initially created in order to be used by an AsTeRICS (ARE) plugin. This chapter targets to help the developer creating a new UCH component that follows AsTeRICS specifications.

**Recommended prior knowledge**:

* Universal Remote Console framework [2]: Socket description.
* AsTeRICS developer manual [3], Section 3: A Quick Guide to AsTeRICS Plugin Development.

## Discovering URC component variables

To identify the URC component variables we have to start the UCH server and visit ‘http://localhost:8080/UCH/GetCompatibleUIs. In the browser, we should be able to see an xml document which is holding the information for all the available components. After traversing through the xml elements, we can identify the component that we are interested in and visit the URL of the corresponding Socket description. In the Socket description you will be able to find the available variables of the specific component. For example, let this component to be a thermostat component (see D203.1 – section 6) and have a temperature value variable and a measurement unit variable (eg Celsius or Fahrenheit).

## Importing the UCH Java Client Library

Initially, we need to create an AsTeRICS component by following the instructions in the AsTeRICS developer manual (Section 3 of [3]). Figure 8 depicts the ‘Plugin creation wizard’ GUI, which is the recommended way to create an AsTeRICS plugin. With the plugin creation wizard, it is possible to configure the plugin’s input/output ports, listener/triggerer ports and properties. Having in mind the component parameters and the solution we plan to build, we will construct the AsTeRICS component. For example, if we plan to create a component that is able to change the temperature value of the thermostat component (4.1) we can use the ‘Plugin creation wizard’ to create an input port which will be used in order to receive the temperature values.

![The figure shows the 'Plugin creation wizard’ GUI. From the GUI it is possible to:
- Set the plugin name
- Set the plugin type
- Add input and output ports of the plugin
- Add event listener and event triggered ports
- Add plugin properties. It is possible to change these properties with ACS.
It is also mandatory to provide the path to the existing folder which contains the AsTeRICS components.](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAYABgAAD/4RDmRXhpZgAATU0AKgAAAAgABAE7AAIAAAAJAAAISodpAAQAAAABAAAIVJydAAEAAAASAAAQzOocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAG1rb21vZDA1AAAABZADAAIAAAAUAAAQopAEAAIAAAAUAAAQtpKRAAIAAAADNTAAAJKSAAIAAAADNTAAAOocAAcAAAgMAAAIlgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADIwMTY6MDc6MjkgMTE6MzA6MDkAMjAxNjowNzoyOSAxMTozMDowOQAAAG0AawBvAG0AbwBkADAANQAAAP/hCxtodHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLjAvADw/eHBhY2tldCBiZWdpbj0n77u/JyBpZD0nVzVNME1wQ2VoaUh6cmVTek5UY3prYzlkJz8+DQo8eDp4bXBtZXRhIHhtbG5zOng9ImFkb2JlOm5zOm1ldGEvIj48cmRmOlJERiB4bWxuczpyZGY9Imh0dHA6Ly93d3cudzMub3JnLzE5OTkvMDIvMjItcmRmLXN5bnRheC1ucyMiPjxyZGY6RGVzY3JpcHRpb24gcmRmOmFib3V0PSJ1dWlkOmZhZjViZGQ1LWJhM2QtMTFkYS1hZDMxLWQzM2Q3NTE4MmYxYiIgeG1sbnM6ZGM9Imh0dHA6Ly9wdXJsLm9yZy9kYy9lbGVtZW50cy8xLjEvIi8+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczp4bXA9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8iPjx4bXA6Q3JlYXRlRGF0ZT4yMDE2LTA3LTI5VDExOjMwOjA5LjQ5NjwveG1wOkNyZWF0ZURhdGU+PC9yZGY6RGVzY3JpcHRpb24+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iPjxkYzpjcmVhdG9yPjxyZGY6U2VxIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpsaT5ta29tb2QwNTwvcmRmOmxpPjwvcmRmOlNlcT4NCgkJCTwvZGM6Y3JlYXRvcj48L3JkZjpEZXNjcmlwdGlvbj48L3JkZjpSREY+PC94OnhtcG1ldGE+DQogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgIDw/eHBhY2tldCBlbmQ9J3cnPz7/2wBDAAcFBQYFBAcGBQYIBwcIChELCgkJChUPEAwRGBUaGRgVGBcbHichGx0lHRcYIi4iJSgpKywrGiAvMy8qMicqKyr/2wBDAQcICAoJChQLCxQqHBgcKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKir/wAARCAMABEgDASIAAhEBAxEB/8QAHwAAAQUBAQEBAQEAAAAAAAAAAAECAwQFBgcICQoL/8QAtRAAAgEDAwIEAwUFBAQAAAF9AQIDAAQRBRIhMUEGE1FhByJxFDKBkaEII0KxwRVS0fAkM2JyggkKFhcYGRolJicoKSo0NTY3ODk6Q0RFRkdISUpTVFVWV1hZWmNkZWZnaGlqc3R1dnd4eXqDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uHi4+Tl5ufo6erx8vP09fb3+Pn6/8QAHwEAAwEBAQEBAQEBAQAAAAAAAAECAwQFBgcICQoL/8QAtREAAgECBAQDBAcFBAQAAQJ3AAECAxEEBSExBhJBUQdhcRMiMoEIFEKRobHBCSMzUvAVYnLRChYkNOEl8RcYGRomJygpKjU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6goOEhYaHiImKkpOUlZaXmJmaoqOkpaanqKmqsrO0tba3uLm6wsPExcbHyMnK0tPU1dbX2Nna4uPk5ebn6Onq8vP09fb3+Pn6/9oADAMBAAIRAxEAPwDvLSSTToBBprNZQL92G2JjRfwFT/2nqP8Az/3X/f5v8ailjPlP/umvMtY8S32n+ZHbhMR2EkqlmcncpQA/e9zXfOcadtDjhGU+p6l/aeo/8/8Adf8Af5v8aP7T1H/n/uv+/wA3+Nea3+tXUmrR2any42tvOyjuG3LcxKOd3oxH413Osagmj6c11JE8x3BVijHzOT2H6n8KITjJXsKUJRdrmj/aeo/8/wDdf9/m/wAaP7T1H/n/ALr/AL/N/jVQXdsYIZfPjC3Chotzgb8jIxnr1rMstau7rXJdNk0eWAwqryStPGQFbODgHPY1ppe1iNWrm9/aeo/8/wDdf9/m/wAaP7T1H/n/ALr/AL/N/jWPqetRWNtHJaoL+SSdYBHDKuQxz1JOB0qlD4sieeBJ7OWBXWczO7riAxffB556jkUvdHaR0v8Aaeo/8/8Adf8Af5v8aP7T1H/n/uv+/wA3+NYJ154rGe/u9MuLexjhMyzMVJcDn7ucrketXLW9nk0+W5vLGS1MalthdX3LjOQVOKfui940v7T1H/n/ALr/AL/N/jR/aeo/8/8Adf8Af5v8a5eDxejWbT3enT2x8hLiNGdW8xGYLkEHjk9DXQq8TKCJE5O0fMOvp9adkD5kT/2nqP8Az/3X/f5v8aP7T1H/AJ/7r/v83+NUpbyFIpjDLFNLErExCVQcjqDk8fjUguLfzViM8QlbpHvG7OM4x+NFkGpZ/tPUf+f+6/7/ADf40f2nqP8Az/3X/f5v8azNR1H7HPHa29tJeXcoLLDGQPlHUkngCp4LlXjjFyBazuP9RI43D/H8KXuh7xc/tPUf+f8Auv8Av83+NH9p6j/z/wB1/wB/m/xqp9ss/JaX7XB5attL+Yu0H0znrVWTWbMXk9nBKkt1DAs5i3quVbOOScdj+lHuh7xq/wBp6j/z/wB1/wB/m/xo/tPUf+f+6/7/ADf41X86DzlhaaMTMMiPeN35URz280pjiuInkAyVVwSPwp2Qrssf2nqP/P8A3X/f5v8AGj+09R/5/wC6/wC/zf41h3/iG2061u5p4pP9FnWF0GMnODuHsFO76A1ZGpo+oy2qR5WF1SSVnVVBKF+/XAx/31S90fvGn/aeo/8AP/df9/m/xo/tPUf+f+6/7/N/jVMX1kYjIL23KA4LeauM+mc1IZrcPsM8Qbbu2lxnHr9KdkF2WP7T1H/n/uv+/wA3+NH9p6j/AM/91/3+b/Gs6x1KDUL67t7b5xalQZFYFW3KG4x9aveWaLINUP8A7T1H/n/uv+/zf40f2nqP/P8A3X/f5v8AGm+WaPLNFl2Fdjv7T1H/AJ/7r/v83+NH9p6j/wA/91/3+b/Gm+WaTyzRZdgux/8Aaeo/8/8Adf8Af5v8aP7T1H/n/uv+/wA3+NN8s0eWaLLsF2O/tPUf+f8Auv8Av83+NH9p6j/z/wB1/wB/m/xpvlmjyzRZdgux39p6j/z/AN1/3+b/ABo/tPUf+f8Auv8Av83+NM8s0vlmiy7Bdjv7T1H/AJ/7r/v83+NH9p6j/wA/91/3+b/Gm+WaPLNFl2C7Hf2nqP8Az/3X/f5v8aP7T1H/AJ/7r/v83+NN8s0eWaLLsF2O/tPUf+f+6/7/ADf40f2nqP8Az/3X/f5v8ab5Zo8s0WXYLsd/aeo/8/8Adf8Af5v8aP7T1H/n/uv+/wA3+NN8s0eWaLLsF2O/tPUf+f8Auv8Av83+NH9p6j/z/wB1/wB/m/xpvlmjyzRZdgux39p6j/z/AN1/3+b/ABo/tPUf+f8Auv8Av83+NN8s0eWaLLsF2O/tPUf+f+6/7/N/jR/aeo/8/wDdf9/m/wAab5Zo8s0WXYLsd/aeo/8AP/df9/m/xo/tPUf+f+6/7/N/jTfLNHlmiy7Bdjv7T1H/AJ/7r/v83+NH9p6j/wA/91/3+b/Gm+WaPLNFl2C7Hf2nqP8Az/3X/f5v8aP7T1H/AJ/7r/v83+NN8s0eWaLLsF2O/tPUf+f+6/7/ADf40f2nqP8Az/3X/f5v8ab5Zo8s0WXYLsd/aeo/8/8Adf8Af5v8aP7T1H/n/uv+/wA3+NN8s0eWaLLsF2O/tPUf+f8Auv8Av83+NH9p6j/z/wB1/wB/m/xpvlmjyzRZdgux39p6j/z/AN1/3+b/ABo/tPUf+f8Auv8Av83+NN8s0eWaLLsF2O/tPUf+f+6/7/N/jR/aeo/8/wDdf9/m/wAab5Zo8s0WXYLsd/aeo/8AP/df9/m/xo/tPUf+f+6/7/N/jTfLNHlmiy7Bdjv7T1H/AJ/7r/v83+NH9p6j/wA/91/3+b/Gm+WaPLNFl2C7Hf2nqP8Az/3X/f5v8aP7T1H/AJ/7r/v83+NN8s0eWaLLsF2O/tPUf+f+6/7/ADf40f2nqP8Az/3X/f5v8ab5Zo8s0WXYLsd/aeo/8/8Adf8Af5v8aP7T1H/n/uv+/wA3+NN8s0eWaLLsF2O/tPUf+f8Auv8Av83+NH9p6j/z/wB1/wB/m/xpvlmjyzRZdgux39p6j/z/AN1/3+b/ABo/tPUf+f8Auv8Av83+NN8s0eWaLLsF2O/tPUf+f+6/7/N/jR/aeo/8/wDdf9/m/wAab5Zo8s0WXYLsd/aeo/8AP/df9/m/xo/tPUf+f+6/7/N/jTfLNHlmiy7Bdjv7T1H/AJ/7r/v83+NH9p6j/wA/91/3+b/Gm+WaPLNFl2C7Hf2nqP8Az/3X/f5v8aP7T1H/AJ/7r/v83+NN8s0eWaLLsF2O/tPUf+f+6/7/ADf40f2nqP8Az/3X/f5v8ab5ZpPLNFl2C7H/ANp6j/z/AN1/3+b/ABo/tPUf+f8Auv8Av83+NN8s0eWaLLsF2O/tPUf+f+6/7/N/jR/aeo/8/wDdf9/m/wAab5Zo8s0WXYLsd/aeo/8AP/df9/m/xo/tPUf+f+6/7/N/jTPLNL5ZosuwXY7+09R/5/7r/v8AN/jR/aeo/wDP/df9/m/xpvlmjyzRZdgux39p6j/z/wB1/wB/m/xo/tPUf+f+6/7/ADf40zyzS+WaLLsF2O/tPUf+f+6/7/N/jR/aeo/8/wDdf9/m/wAab5Zo8s0WXYLsd/aeo/8AP/df9/m/xo/tPUf+f+6/7/N/jTfLNHlmiy7Bdjv7T1H/AJ/7r/v83+NH9p6j/wA/91/3+b/Gm+WaPLNFl2C7Hf2nqP8Az/3X/f5v8aP7T1H/AJ/7r/v83+NN8s0eWaLLsF2O/tPUf+f+6/7/ADf40f2nqP8Az/3X/f5v8ab5Zo8s0WXYLsd/aeo/8/8Adf8Af5v8aP7T1H/n/uv+/wA3+NN8s0eWaLLsF2O/tPUf+f8Auv8Av83+NH9p6j/z/wB1/wB/m/xpvlmjyzRZdgux39p6j/z/AN1/3+b/ABo/tPUf+f8Auv8Av83+NN8s0eWaLLsF2O/tPUf+f+6/7/N/jR/aeo/8/wDdf9/m/wAab5Zo8s0WXYLsd/aeo/8AP/df9/m/xo/tPUf+f+6/7/N/jTfLNHlmiy7Bdjv7T1H/AJ/7r/v83+NH9p6j/wA/91/3+b/Gm+WaPLNFl2C7Hf2nqP8Az/3X/f5v8aP7T1H/AJ/7r/v83+NN8s0eWaLLsF2O/tPUf+f+6/7/ADf40f2nqP8Az/3X/f5v8adp2lWU+lWc08LSSy28cjsZXGWZQT0OOpqx/Y2nf8+x/wC/0n/xVRddi7PuVf7T1H/n/uv+/wA3+NH9p6j/AM/91/3+b/GrX9jad/z7H/v9J/8AFVU1DT7a0W2ktI2jZpwjfvGbIKse5PcCi67BZ9xf7T1H/n/uv+/zf40f2nqP/P8A3X/f5v8AGnadpdlPpdpNPC0kssCO7GVxklQT0OO9M+wW8jTG30sPFDL5LSSX3lgvtDYG5/RhScordDUZPZi/2nqP/P8A3X/f5v8AGj+09R/5/wC6/wC/zf40sWnWn2pYLrTTCzxeahW7aRWXOOqt603UNPtrRLeS0jaNmnCH94zZBVj0JPoKalF9BOMl1F/tPUf+f+6/7/N/jR/aeo/8/wDdf9/m/wAa53SrCwvNFsrq9jlmuJ7eOWVzcyruZlBPCsAOvYVMml2Mv2prbS55ktcebsvZS4B/iCb8kc9fY1yLFwbsonoyy+cYqUp2Nz+09R/5/wC6/wC/zf40f2nqP/P/AHX/AH+b/GsVtIsILw2t5p0kEwjEhX7fKxUHoGxJwfY1HcWlrY3FjJp6yRPJdrE+Z5HDKVckYZiOwpxxUHNQ5dRPATVN1FK6LevTTS6XcX07ma60+GS5tZZSWaN0UvgN1Ctt2sARuUkUUviBdvhjVT/04z/+i2oq62jVjipat3NmaMCCQngBT/KvMJ10q/sZL24S0MJj+z5TzHLIxUE8MMnd2FexWlmLu5WEsF3A8kZ7VdHhS3VQqvCFU5AEI4qqyi2rsdJtLRHh99NaC9Yz20dtco4s18xHhcN58D4CsTuBBz+FdvrWjahqeqWLWl2tnb2oeQv5YkLSEbQNp4wAW5967qTwvDM4aWWN2ByC0WSD61J/wjw/5+l/74/+vUw5I7sqfPLoeTR+F9XtU02JY4bqWxleOO6lddogLgjMZHXAwMEYx71uPoly+satcBljju7SOGJweQw3ZP8A48K73/hHh/z9L/3x/wDXo/4R4f8AP0v/AHx/9er54Wtcjlnfb+tzxqx8B3IsYbW7tCu24iad2vNwlVQckAAEHn1q5L4T1Gae3094Yxp8MFzbi5EvzlZANpK45IxzzzXrP/CPD/n6X/vj/wCvR/wjw/5+l/74/wDr0c8O4+Wpe5wFsNcayktr/S7R/LiK7hPlbgjjG3Hyg++ah0bRb220vUYZolto7jP2a0E3mCEFcH5vQnnHavRf+EeH/P0v/fH/ANej/hHh/wA/S/8AfH/16bnB7slQmtkeWxeCXt/Chtkd5tReCKJnnm3BArAlVOOBxTT4d1ddRjhSCH7IupG9Nx53zYKsNu3HUFvWvVP+EeH/AD9L/wB8f/Xo/wCEeH/P0v8A3x/9ehzg3uPlnax4TBpMmoXraTZRWDXMWjXlvJcW04kEjuUVWcj7pJB4OTwa6N/B9wbm6uhDB9pfULaeKXPzLGixhhnt91uO9enx+FoISxhlijLfeKxYzUn/AAjw/wCfpf8Avj/69KM4Lr/V7jcZvocHqen38OsQ6ppcMdy6xGGWCSTZuUnOQ2DggiqF94dvdWv5ry4ihtpZNNa3jIbeYZCW5B+h6ivS/wDhHh/z9L/3x/8AXo/4R4f8/S/98f8A16OeD0uJRmuh43B4P1OHRvssdjt8yVDcI14reaoVhlTs+X5sHoSRxTofBOowafJALW2kmm0WOyacyDKSoGHXGSCGAz7V7F/wjw/5+l/74/8Ar0f8I8P+fpf++P8A69HPDv8A1sNRmun9XueVjwtff2u5a2t2SS6S4F8ZP3kaqoBjAxnt645qXR/CU2m3emXAhhSSFp/tLoeXDnK89/6V6f8A8I8P+fpf++P/AK9H/CPD/n6X/vj/AOvTVSCd7i5Z2tY851HwzNf+JxO+w6dLAfOQn5jLtKA49NrH8hVG08MarFpumvdrBcX0V9JdXQ3/ACuPKeNRkj02D869U/4R4f8AP0v/AHx/9ej/AIR4f8/S/wDfH/16XPDv/W4cs+39WseOy+FtXn0H7INJtbZ5ZmkulhnUeYxUgFTt+UA4GPSrSeDb0Wd5vjga4ktLeKNmbOSg+ZSewOMV6x/wjw/5+l/74/8Ar0f8I8P+fpf++P8A69HPT7j5Z9jzvwzot1YXupXFzZW9kl06NHBA+4LhAD2HcV0PlV0f/CPD/n6X/vj/AOvR/wAI8P8An6X/AL4/+vVe1hbcj2c30Od8qjyq6L/hHh/z9L/3x/8AXo/4R4f8/S/98f8A16Paw7h7OXY53yqTyq6P/hHh/wA/S/8AfH/16P8AhHh/z9L/AN8f/Xo9rDuHs5djnfKo8qui/wCEeH/P0v8A3x/9ej/hHh/z9L/3x/8AXo9rDuHs5djnfKo8qui/4R4f8/S/98f/AF6P+EeH/P0v/fH/ANej2sO4ezl2Oc8ql8qui/4R4f8AP0v/AHx/9ej/AIR4f8/S/wDfH/16Paw7h7OXY53yqPKrov8AhHh/z9L/AN8f/Xo/4R4f8/S/98f/AF6Paw7h7OXY53yqPKrov+EeH/P0v/fH/wBej/hHh/z9L/3x/wDXo9rDuHs5djnfKo8qui/4R4f8/S/98f8A16P+EeH/AD9L/wB8f/Xo9rDuHs5djnfKo8qui/4R4f8AP0v/AHx/9ej/AIR4f8/S/wDfH/16Paw7h7OXY53yqPKrov8AhHh/z9L/AN8f/Xo/4R4f8/S/98f/AF6Paw7h7OXY53yqPKrov+EeH/P0v/fH/wBej/hHh/z9L/3x/wDXo9rDuHs5djnfKo8qui/4R4f8/S/98f8A16P+EeH/AD9L/wB8f/Xo9rDuHs5djnfKo8qui/4R4f8AP0v/AHx/9ej/AIR4f8/S/wDfH/16Paw7h7OXY53yqPKrov8AhHh/z9L/AN8f/Xo/4R4f8/S/98f/AF6Paw7h7OXY53yqPKrov+EeH/P0v/fH/wBej/hHh/z9L/3x/wDXo9rDuHs5djnfKo8qui/4R4f8/S/98f8A16P+EeH/AD9L/wB8f/Xo9rDuHs5djnfKo8qui/4R4f8AP0v/AHx/9ej/AIR4f8/S/wDfH/16Paw7h7OXY53yqPKrov8AhHh/z9L/AN8f/Xo/4R4f8/S/98f/AF6Paw7h7OXY53yqPKrov+EeH/P0v/fH/wBej/hHh/z9L/3x/wDXo9rDuHs5djnfKo8qui/4R4f8/S/98f8A16P+EeH/AD9L/wB8f/Xo9rDuHs5djnfKo8qui/4R4f8AP0v/AHx/9ej/AIR4f8/S/wDfH/16Paw7h7OXY53yqPKrov8AhHh/z9L/AN8f/Xo/4R4f8/S/98f/AF6Paw7h7OXY53yqPKrov+EeH/P0v/fH/wBej/hHh/z9L/3x/wDXo9rDuHs5djnfKo8qui/4R4f8/S/98f8A16P+EeH/AD9L/wB8f/Xo9rDuHs5djnfKo8qui/4R4f8AP0v/AHx/9ej/AIR4f8/S/wDfH/16Paw7h7OXY53yqPKrov8AhHh/z9L/AN8f/Xo/4R4f8/S/98f/AF6Paw7h7OXY53yqPKrov+EeH/P0v/fH/wBej/hHh/z9L/3x/wDXo9rDuHs5djnfKo8qui/4R4f8/S/98f8A16P+EeH/AD9L/wB8f/Xo9rDuHs5djnfKo8qui/4R4f8AP0v/AHx/9ej/AIR4f8/S/wDfH/16Paw7h7OXY53yqPKrov8AhHh/z9L/AN8f/Xo/4R4f8/S/98f/AF6Paw7h7OXY53yqPKrov+EeH/P0v/fH/wBej/hHh/z9L/3x/wDXo9rDuHs5djnfKpPKro/+EeH/AD9L/wB8f/Xo/wCEeH/P0v8A3x/9ej2sO4ezl2Od8qjyq6L/AIR4f8/S/wDfH/16P+EeH/P0v/fH/wBej2sO4ezl2Od8qjyq6L/hHh/z9L/3x/8AXo/4R4f8/S/98f8A16Paw7h7OXY5zyqXyq6L/hHh/wA/S/8AfH/16P8AhHh/z9L/AN8f/Xo9rDuHs5djnfKo8qui/wCEeH/P0v8A3x/9ej/hHh/z9L/3x/8AXo9rDuHs5djnPKpfKrov+EeH/P0v/fH/ANej/hHh/wA/S/8AfH/16Paw7h7OXY53yqPKrov+EeH/AD9L/wB8f/Xo/wCEeH/P0v8A3x/9ej2sO4ezl2Od8qjyq6L/AIR4f8/S/wDfH/16P+EeH/P0v/fH/wBej2sO4ezl2Od8qjyq6L/hHh/z9L/3x/8AXo/4R4f8/S/98f8A16Paw7h7OXY53yqPKrov+EeH/P0v/fH/ANej/hHh/wA/S/8AfH/16Paw7h7OXY53yqPKrov+EeH/AD9L/wB8f/Xo/wCEeH/P0v8A3x/9ej2sO4ezl2Od8qjyq6L/AIR4f8/S/wDfH/16P+EeH/P0v/fH/wBej2sO4ezl2Od8qjyq6L/hHh/z9L/3x/8AXo/4R4f8/S/98f8A16Paw7h7OXY53yqPKrov+EeH/P0v/fH/ANej/hHh/wA/S/8AfH/16Paw7h7OXY53yqPKrov+EeH/AD9L/wB8f/Xo/wCEeH/P0v8A3x/9ej2sO4ezl2Od8qjyq6L/AIR4f8/S/wDfH/16P+EeH/P0v/fH/wBej2sO4ezl2Od8qjyq6L/hHh/z9L/3x/8AXo/4R4f8/S/98f8A16Paw7h7OXY53yqPKrov+EeH/P0v/fH/ANej/hHh/wA/S/8AfH/16Paw7h7OXY5GxsJ5dLsnQvtNtF0z/cFMi064gln+0aMuob5NySvOVKrgDbj6g/nXTnwZZEklosn/AKZ//Xo/4Qux/vRf9+//AK9S5was2WoyTukcymmXUl8ZY7D+z4fL2+XHKX3NnOfyp9xZywm180tzcjAb/ceuj/4Qux/vRf8Afv8A+vTovCFrDIHikjVh0Ij/APr0KcErXE4SbvY5mxsJ5dMs3QvtNvH0z/cFVbjRrqWGW1udPkuojdG5jdZ9hBMYTBBB9DXXHwZZMxJaLJ6/u/8A69H/AAhdj/ei/wC/f/16HODVmxqMk7pHLW+lXnmW6i1e1gtoDDGvm7yctu64FTXNnLD9m80tzcLgN/uvXR/8IXY/3ov+/f8A9enReELWGQPFJGrDoRH/APXoU4JWuJwk3ex4zZ6Re3OmWUsPnlGtYsbM4+4K1dEi1PQp57q2sp5b5l2QzSMdsanr8vc16I/w30OSRne2tSzHJPk9T+dN/wCFaaD/AM+tr/35/wDr15scKozc1L8D3amY+0pqnKDsvM821PTb3UdUkvIbO5tDN80qB2YF+5HtSWOm3VpqWnm583DXqACTPPyP616V/wAK00H/AJ9bX/vz/wDXqa1+H+k2Vws9pFbxSr0dYuR+tOOGiqqqOX4EyzB/V3QjHS1tzmPFKbPCOrH/AKc5f/QDRT/HDC28C65Jjd5dlKceuFNFd9foeFS+N/L9Tp7Bil0GXqFP8qx/H9/ex6DbLb/ayZL2FGSxuDBLIpblQ4dcZ/3hWtZHF0PlZuDwoyelP1XSbTWrP7LqNncSRBw4Cb4yGHQhlII/OnUtc2paIw4vE11pN1p+ijTLhJLxMwC8vzLIAPv+Y5ZzkDp8zZyPfFLwt4q1vU/EUMEcEUektpsc4SW8eWVGLuM5ZMsSVxy3QA9Tit+PwtpMZU/YLuR0KlZJZJpHXacjDMxPc9+9PtfDmmWV1bXFpp9xDLbReTEUMgATJO0jOG5J65xmoVr3ZfS3oa32ub2/Wj7XN7frTcn/AJ4Tf9+zRk/88Jv+/Zo90NR32ub2/Wj7XN7frTcn/nhN/wB+zRk/88Jv+/Zo90NR32ub2/Wj7XN7frTcn/nhN/37NGT/AM8Jv+/Zo90NR32ub2/Wj7XN7frTcn/nhN/37NGT/wA8Jv8Av2aPdDUd9rm9v1o+1ze3603J/wCeE3/fs0ZP/PCb/v2aPdDUd9rm9v1o+1ze3603J/54Tf8Afs0ZP/PCb/v2aPdDUd9rm9v1o+1ze3603J/54Tf9+zRk/wDPCb/v2aPdDUd9rm9v1o+1ze3603J/54Tf9+zRk/8APCb/AL9mj3Q1Hfa5vb9aPtc3t+tNyf8AnhN/37NGT/zwm/79mj3Q1Hfa5vb9aPtc3t+tNyf+eE3/AH7NGT/zwm/79mj3Q1Hfa5vb9aPtc3t+tNyf+eE3/fs0ZP8Azwm/79mj3Q1Hfa5vb9aPtc3t+tNyf+eE3/fs0ZP/ADwm/wC/Zo90NR32ub2/Wj7XN7frTcn/AJ4Tf9+zRk/88Jv+/Zo90NR32ub2/Wj7XN7frTcn/nhN/wB+zRk/88Jv+/Zo90NR32ub2/Wj7XN7frTcn/nhN/37NGT/AM8Jv+/Zo90NR32ub2/Wj7XN7frTcn/nhN/37NGT/wA8Jv8Av2aPdDUd9rm9v1o+1ze3603J/wCeE3/fs0ZP/PCb/v2aPdDUd9rm9v1o+1ze3603J/54Tf8Afs0ZP/PCb/v2aPdDUd9rm9v1o+1ze3603J/54Tf9+zRk/wDPCb/v2aPdDUd9rm9v1o+1ze3603J/54Tf9+zRk/8APCb/AL9mj3Q1Hfa5vb9aPtc3t+tNyf8AnhN/37NGT/zwm/79mj3Q1Hfa5vb9aPtc3t+tNyf+eE3/AH7NGT/zwm/79mj3Q1Hfa5vb9aPtc3t+tNyf+eE3/fs0ZP8Azwm/79mj3Q1Hfa5vb9aPtc3t+tNyf+eE3/fs0ZP/ADwm/wC/Zo90NR32ub2/Wj7XN7frTcn/AJ4Tf9+zRk/88Jv+/Zo90NR32ub2/Wj7XN7frTcn/nhN/wB+zRk/88Jv+/Zo90NR32ub2/Wj7XN7frTcn/nhN/37NGT/AM8Jv+/Zo90NR32ub2/Wj7XN7frTcn/nhN/37NGT/wA8Jv8Av2aPdDUd9rm9v1o+1ze3603J/wCeE3/fs0ZP/PCb/v2aPdDUd9rm9v1o+1ze3603J/54Tf8Afs0ZP/PCb/v2aPdDUd9rm9v1o+1ze3603J/54Tf9+zRk/wDPCb/v2aPdDUd9rm9v1o+1ze3603J/54Tf9+zRk/8APCb/AL9mj3Q1Hfa5vb9aPtc3t+tNyf8AnhN/37NGT/zwm/79mj3Q1Hfa5vb9aPtc3t+tNyf+eE3/AH7NGT/zwm/79mj3Q1Hfa5vb9aPtc3t+tNyf+eE3/fs0ZP8Azwm/79mj3Q1Hfa5vb9aPtc3t+tNyf+eE3/fs0ZP/ADwm/wC/Zo90NR32ub2/Wj7XN7frTcn/AJ4Tf9+zRk/88Jv+/Zo90NR32ub2/Wj7XN7frTcn/nhN/wB+zRk/88Jv+/Zo90NR32ub2/Wj7XN7frTcn/nhN/37NGT/AM8Jv+/Zo90NR32ub2/Wj7XN7frTcn/nhN/37NGT/wA8Jv8Av2aPdDUd9rm9v1o+1ze3603J/wCeE3/fs0ZP/PCb/v2aPdDUd9rm9v1o+1ze3603J/54Tf8Afs0ZP/PCb/v2aPdDUd9rm9v1o+1ze3603J/54Tf9+zRk/wDPCb/v2aPdDUd9rm9v1o+1ze3603J/54Tf9+zRk/8APCb/AL9mj3Q1Hfa5vb9aPtc3t+tNyf8AnhN/37NGT/zwm/79mj3Q1Hfa5vb9aPtc3t+tNyf+eE3/AH7NGT/zwm/79mj3Q1Hfa5vb9aPtc3t+tNyf+eE3/fs0ZP8Azwm/79mj3Q1Hfa5vb9aPtc3t+tNyf+eE3/fs0ZP/ADwm/wC/Zo90NR32ub2/Wj7XN7frTcn/AJ4Tf9+zRk/88Jv+/Zo90NR32ub2/Wj7XN7frTcn/nhN/wB+zRk/88Jv+/Zo90NR32ub2/Wj7XN7frTcn/nhN/37NGT/AM8Jv+/Zo90NR32ub2/Wj7XN7frTcn/nhN/37NGT/wA8Jv8Av2aPdDUd9rm9v1o+1ze3603J/wCeE3/fs0ZP/PCb/v2aPdDUd9rm9v1o+1ze3603J/54Tf8Afs0ZP/PCb/v2aPdDUd9rm9v1o+1ze3603J/54Tf9+zRk/wDPCb/v2aPdDUd9rm9v1o+1ze3603J/54Tf9+zRk/8APCb/AL9mj3Q1Hfa5vb9aPtc3t+tNyf8AnhN/37NGT/zwm/79mj3Q1Hfa5vb9aPtc3t+tNyf+eE3/AH7NGT/zwm/79mj3Q1Hfa5vb9aPtc3t+tNyf+eE3/fs0ZP8Azwm/79mj3Q1Hfa5vb9aPtc3t+tNyf+eE3/fs0ZP/ADwm/wC/Zo90NR32ub2/Wj7XN7frTcn/AJ4Tf9+zRk/88Jv+/Zo90NR32ub2/Wj7XN7frTcn/nhN/wB+zRk/88Jv+/Zo90NR32ub2/Wj7XN7frTcn/nhN/37NGT/AM8Jv+/Zo90NR32ub2/Wj7XN7frTcn/nhN/37NGT/wA8Jv8Av2aPdDUd9rm9v1o+1ze3603J/wCeE3/fs0ZP/PCb/v2aPdDUd9rm9v1pVupi69OtMyf+eE3/AH7NKpIYHyJuv/PI0e6Gpw/xB/5J74h/68J//QDRR8Qf+Se+If8Arwn/APQDRVV9kc1L45fL9Tq9NYpeFlOGWNyD6fKafpllc3Wk2dxLq+o+ZNAjtiYAZKgn+GmWH/Hy3/XKT/0E1f0P/kXtO/69Yv8A0AVnX+I3o/CN/sub/oL6l/3+H/xNH9lzf9BfUv8Av8P/AImtCisDYz/7Lm/6C+pf9/h/8TR/Zc3/AEF9S/7/AA/+Jq+TgEnoKrxX8E5TyvNIf7reS4B/HGKAIP7Lm/6C+pf9/h/8TR/Zc3/QX1L/AL/D/wCJrktWF5DqV/Lq91rVkPMY2d7ayMbOJcfu96Ic8HJYlduOpqXWfiPaaDd3NtO9hKNPiR7t5tQSCWTMYcmGIg+ZlTxyMnj3oA6j+y5v+gvqX/f4f/E0f2XN/wBBfUv+/wAP/ia57S/FmoP4qvtO1GzQW76yLCzkSUEov2H7TlhtH93PXrJj+HmRPGl1eXVtaaVopubi4F2w33IjRBBceSSzbSeeowD6e9AG7/Zc3/QX1L/v8P8A4mj+y5v+gvqX/f4f/E03S9bh1LR4L9Y5UWbcpQIXKsrFWHyjpkHnvVj+0If7s/8A4Dyf/E0AQ/2XN/0F9S/7/D/4mj+y5v8AoL6l/wB/h/8AE1N/aEP92f8A8B5P/iaP7Qh/uz/+A8n/AMTQBD/Zc3/QX1L/AL/D/wCJo/sub/oL6l/3+H/xNTf2hD/dn/8AAeT/AOJo/tCH+7P/AOA8n/xNAEP9lzf9BfUv+/w/+Jo/sub/AKC+pf8Af4f/ABNTf2hD/dn/APAeT/4mj+0If7s//gPJ/wDE0AQ/2XN/0F9S/wC/w/8AiaP7Lm/6C+pf9/h/8TU39oQ/3Z//AAHk/wDiaP7Qh/uz/wDgPJ/8TQBD/Zc3/QX1L/v8P/iaP7Lm/wCgvqX/AH+H/wATU39oQ/3Z/wDwHk/+Jo/tCH+7P/4Dyf8AxNAEP9lzf9BfUv8Av8P/AImj+y5v+gvqX/f4f/E1N/aEP92f/wAB5P8A4mj+0If7s/8A4Dyf/E0AQ/2XN/0F9S/7/D/4mj+y5v8AoL6l/wB/h/8AE1N/aEP92f8A8B5P/iaP7Qh/uz/+A8n/AMTQBD/Zc3/QX1L/AL/D/wCJo/sub/oL6l/3+H/xNTf2hD/dn/8AAeT/AOJo/tCH+7P/AOA8n/xNAEP9lzf9BfUv+/w/+Jo/sub/AKC+pf8Af4f/ABNTf2hD/dn/APAeT/4mj+0If7s//gPJ/wDE0AQ/2XN/0F9S/wC/w/8AiaP7Lm/6C+pf9/h/8TU39oQ/3Z//AAHk/wDiaP7Qh/uz/wDgPJ/8TQBD/Zc3/QX1L/v8P/iaP7Lm/wCgvqX/AH+H/wATU39oQ/3Z/wDwHk/+Jo/tCH+7P/4Dyf8AxNAEP9lzf9BfUv8Av8P/AImj+y5v+gvqX/f4f/E1N/aEP92f/wAB5P8A4mj+0If7s/8A4Dyf/E0AQ/2XN/0F9S/7/D/4mj+y5v8AoL6l/wB/h/8AE1N/aEP92f8A8B5P/iaP7Qh/uz/+A8n/AMTQBD/Zc3/QX1L/AL/D/wCJo/sub/oL6l/3+H/xNTf2hD/dn/8AAeT/AOJo/tCH+7P/AOA8n/xNAEP9lzf9BfUv+/w/+Jo/sub/AKC+pf8Af4f/ABNTf2hD/dn/APAeT/4mj+0If7s//gPJ/wDE0AQ/2XN/0F9S/wC/w/8AiaP7Lm/6C+pf9/h/8TU39oQ/3Z//AAHk/wDiaP7Qh/uz/wDgPJ/8TQBD/Zc3/QX1L/v8P/iaP7Lm/wCgvqX/AH+H/wATU39oQ/3Z/wDwHk/+Jo/tCH+7P/4Dyf8AxNAEP9lzf9BfUv8Av8P/AImj+y5v+gvqX/f4f/E1N/aEP92f/wAB5P8A4mj+0If7s/8A4Dyf/E0AQ/2XN/0F9S/7/D/4mj+y5v8AoL6l/wB/h/8AE1N/aEP92f8A8B5P/iaP7Qh/uz/+A8n/AMTQBD/Zc3/QX1L/AL/D/wCJo/sub/oL6l/3+H/xNTf2hD/dn/8AAeT/AOJo/tCH+7P/AOA8n/xNAEP9lzf9BfUv+/w/+Jo/sub/AKC+pf8Af4f/ABNTf2hD/dn/APAeT/4mj+0If7s//gPJ/wDE0AQ/2XN/0F9S/wC/w/8AiaP7Lm/6C+pf9/h/8TU39oQ/3Z//AAHk/wDiaP7Qh/uz/wDgPJ/8TQBD/Zc3/QX1L/v8P/iaP7Lm/wCgvqX/AH+H/wATU39oQ/3Z/wDwHk/+Jo/tCH+7P/4Dyf8AxNAEP9lzf9BfUv8Av8P/AImj+y5v+gvqX/f4f/E1N/aEP92f/wAB5P8A4mj+0If7s/8A4Dyf/E0AQ/2XN/0F9S/7/D/4mj+y5v8AoL6l/wB/h/8AE1N/aEP92f8A8B5P/iaP7Qh/uz/+A8n/AMTQBD/Zc3/QX1L/AL/D/wCJo/sub/oL6l/3+H/xNTf2hD/dn/8AAeT/AOJo/tCH+7P/AOA8n/xNAEP9lzf9BfUv+/w/+Jo/sub/AKC+pf8Af4f/ABNTf2hD/dn/APAeT/4mj+0If7s//gPJ/wDE0AQ/2XN/0F9S/wC/w/8AiaP7Lm/6C+pf9/h/8TU39oQ/3Z//AAHk/wDiaP7Qh/uz/wDgPJ/8TQBD/Zc3/QX1L/v8P/iaP7Lm/wCgvqX/AH+H/wATU39oQ/3Z/wDwHk/+Jo/tCH+7P/4Dyf8AxNAEP9lzf9BfUv8Av8P/AImj+y5v+gvqX/f4f/E1N/aEP92f/wAB5P8A4mj+0If7s/8A4Dyf/E0AQ/2XN/0F9S/7/D/4mj+y5v8AoL6l/wB/h/8AE1N/aEP92f8A8B5P/iaP7Qh/uz/+A8n/AMTQBD/Zc3/QX1L/AL/D/wCJo/sub/oL6l/3+H/xNTf2hD/dn/8AAeT/AOJo/tCH+7P/AOA8n/xNAEP9lzf9BfUv+/w/+Jo/sub/AKC+pf8Af4f/ABNTf2hD/dn/APAeT/4mj+0If7s//gPJ/wDE0AQ/2XN/0F9S/wC/w/8AiaP7Lm/6C+pf9/h/8TU39oQ/3Z//AAHk/wDiaP7Qh/uz/wDgPJ/8TQBD/Zc3/QX1L/v8P/iaP7Lm/wCgvqX/AH+H/wATU39oQ/3Z/wDwHk/+Jo/tCH+7P/4Dyf8AxNAEP9lzf9BfUv8Av8P/AImj+y5v+gvqX/f4f/E1N/aEP92f/wAB5P8A4mj+0If7s/8A4Dyf/E0AQ/2XN/0F9S/7/D/4mj+y5v8AoL6l/wB/h/8AE1N/aEP92f8A8B5P/iaP7Qh/uz/+A8n/AMTQBD/Zc3/QX1L/AL/D/wCJo/sub/oL6l/3+H/xNTf2hD/dn/8AAeT/AOJo/tCH+7P/AOA8n/xNAEP9lzf9BfUv+/w/+Jo/sub/AKC+pf8Af4f/ABNTf2hD/dn/APAeT/4mj+0If7s//gPJ/wDE0AQ/2XN/0F9S/wC/w/8AiaP7Lm/6C+pf9/h/8TU39oQ/3Z//AAHk/wDiaP7Qh/uz/wDgPJ/8TQBD/Zc3/QX1L/v8P/iaP7Lm/wCgvqX/AH+H/wATU39oQ/3Z/wDwHk/+Jo/tCH+7P/4Dyf8AxNAEP9lzf9BfUv8Av8P/AImj+y5v+gvqX/f4f/E1N/aEP92f/wAB5P8A4mj+0If7s/8A4Dyf/E0AQ/2XN/0F9S/7/D/4mj+y5v8AoL6l/wB/h/8AE1N/aEP92f8A8B5P/iaP7Qh/uz/+A8n/AMTQBD/Zc3/QX1L/AL/D/wCJo/sub/oL6l/3+H/xNTf2hD/dn/8AAeT/AOJo/tCH+7P/AOA8n/xNAEP9lzf9BfUv+/w/+Jo/sub/AKC+pf8Af4f/ABNTf2hD/dn/APAeT/4mj+0If7s//gPJ/wDE0AQ/2XN/0F9S/wC/w/8AiaP7Lm/6C+pf9/h/8TU39oQ/3Z//AAHk/wDiaP7Qh/uz/wDgPJ/8TQBD/Zc3/QX1L/v8P/iaP7Lm/wCgvqX/AH+H/wATU39oQ/3Z/wDwHk/+Jo/tCH+7P/4Dyf8AxNAEP9lzf9BfUv8Av8P/AImj+y5v+gvqX/f4f/E1N/aEP92f/wAB5P8A4mj+0If7s/8A4Dyf/E0AQ/2XN/0F9S/7/D/4mj+y5v8AoL6l/wB/h/8AE1N/aEP92f8A8B5P/iaP7Qh/uz/+A8n/AMTQBD/Zc3/QX1L/AL/D/wCJo/sub/oL6l/3+H/xNTf2hD/dn/8AAeT/AOJo/tCH+7P/AOA8n/xNAEP9lzf9BfUv+/w/+Jo/sub/AKC+pf8Af4f/ABNTf2hD/dn/APAeT/4mj+0If7s//gPJ/wDE0AQ/2XN/0F9S/wC/w/8AiaP7Lm/6C+pf9/h/8TU39oQ/3Z//AAHk/wDiaP7Qh/uz/wDgPJ/8TQBD/Zc3/QX1L/v8P/iaP7Lm/wCgvqX/AH+H/wATU39oQ/3Z/wDwHk/+Jo/tCH+7P/4Dyf8AxNAEP9lzf9BfUv8Av8P/AImj+y5v+gvqX/f4f/E1N/aEP92f/wAB5P8A4mj+0If7s/8A4Dyf/E0AQ/2XN/0F9S/7/D/4mj+y5v8AoL6l/wB/h/8AE1N/aEP92f8A8B5P/iaP7Qh/uz/+A8n/AMTQBD/Zc3/QX1L/AL/D/wCJo/sub/oL6l/3+H/xNTf2hD/dn/8AAeT/AOJo/tCH+7P/AOA8n/xNAEP9lzf9BfUv+/w/+Jo/sub/AKC+pf8Af4f/ABNTf2hD/dn/APAeT/4mj+0If7s//gPJ/wDE0AQ/2XN/0F9S/wC/w/8AiaP7Lm/6C+pf9/h/8TU39oQ/3Z//AAHk/wDiaP7Qh/uz/wDgPJ/8TQBD/Zc3/QX1L/v8P/iaP7Lm/wCgvqX/AH+H/wATU39oQ/3Z/wDwHk/+Jo/tCH+7P/4Dyf8AxNAEP9lzf9BfUv8Av8P/AImj+y5v+gvqX/f4f/E1N/aEP92f/wAB5P8A4mp4pUmhWSM5RxkHGM0AUv7Lm/6C+pf9/h/8TR/Zc3/QX1L/AL/D/wCJrQooAz/7Lm/6C+pf9/h/8TR/Zc3/AEF9S/7/AA/+JrQooA83+IAx8O/EHOf+JfNyf9w0UvxB/wCSd+If+vCf/wBANFddbZHFS+OXy/U6uxGLhv8Ark//AKCavaH/AMi9p3/XrF/6AKp2YxOf+ub/APoJq5of/Ivad/16xf8AoArKt8R0UvhL1FFFYmo2T/VP/umorH/kG2n/AFwj/wDQRUsn+qf/AHTUVj/yDbT/AK4R/wDoIoAxLzwibmS7WDW9QtLO+ZmubKJYWjkLDD/M8bONw44YY7YpLnwbBLeyTWepXthHOqLcQ24jImCqEHzujOh2qBlGU8ZGDzXR0UAYF74Strm8mu7e8urO5kuUu0lhKExTLCYDIA6sMtEQhByOAQA2WOPH4Gmstb05NK1HUbS1tLO7AvVnSSTzJbhJNrCQMHyC/LKegOd3NdvRQBU0rTYNH0yGxtdxjiB+ZzksSSzE/UknjjnireaKKADNGaKKADNGaKKADNGaKYZowcGRQf8AeFAD80ZpnnRf89E/76FHnRf89E/76FAD80ZpnnRf89E/76FHnRf89E/76FAD80ZpnnRf89E/76FHnRf89E/76FAD80ZpnnRf89E/76FHnRf89E/76FAD80ZpnnRf89E/76FHnRf89E/76FAD80ZpqyI5wrqx9AadQAZozRRQAZozRRQAZozRRQAZozSEhRliAPU03zov+eif99CgB+aM0zzov+eif99Cjzov+eif99CgB+aM0zzov+eif99Cjzov+eif99CgB+aM0zzov+eif99Cjzov+eif99CgB+aM0zzov+eif99Cjzov+eif99CgB+aM0zzov+eif99Cjzov+eif99CgB+aM0zzov+eif99Cjzov+eif99CgB+aM01XV/uMrY64OadQAZozRRQAZozRRQAZozRRQAZozRRQAZozRRQAZozRRQAZozTTLGpwzqD6E0nnRf89E/wC+hQA/NGaZ50X/AD0T/voUedF/z0T/AL6FAD80ZpnnRf8APRP++hR50X/PRP8AvoUAPzRmmedF/wA9E/76FHnRf89E/wC+hQA/NGaZ50X/AD0T/voUedF/z0T/AL6FAD80ZpnnRf8APRP++hQJY2OFdSfQGgB+aM0UUAGaM0UUAGaM0UUAGaM0UUAGaM0UUAGaM0UUAGaM0UUAGaM0UUAGaM0UUAGaM0UUAGaM0UUAGaM0UUAGaM0UE4GTwKADNGaZ50X/AD0T/voUedF/z0T/AL6FAD80ZpnnRf8APRP++hR50X/PRP8AvoUAPzRmmedF/wA9E/76FHnRf89E/wC+hQA/NGaZ50X/AD0T/voUedF/z0T/AL6FAD80ZpnnRf8APRP++hR50X/PRP8AvoUAPzRmmedF/wA9E/76FHnRf89E/wC+hQA/NGaZ50X/AD0T/voUedF/z0T/AL6FAD80ZpnnRf8APRP++hR50X/PRP8AvoUAPzRmmedF/wA9E/76FHnRf89E/wC+hQA/NGaZ50X/AD0T/voUedF/z0T/AL6FAD80ZpnnRf8APRP++hR50X/PRP8AvoUAPzRmmedF/wA9E/76FHnRf89E/wC+hQA/NGaZ50X/AD0T/voUedF/z0T/AL6FAD80ZpnnRf8APRP++hTldX+4wbHXBzQAuarad/yDLf8A3Ks1W07/AJBlv/uUAWaKKKACiiigDzn4gj/i3XiH/sHzf+gGin/EIf8AFuPEP/YPm/8AQDRXVW2RxU/jfov1OsthiY/9c3/9BNWdD/5F7Tv+vWL/ANAFQwjEp/65v/6Aam0P/kXtO/69Yv8A0AVlV+I6KexeooorI1Gyf6p/901FY/8AINtP+uEf/oIqWT/VP/umorH/AJBtp/1wj/8AQRQBPWFZ+NPD1/dR29pqcckkrbU+RgrH03EY/Wt2vPPC2la5rPgGwsLu509NJuLcI/lRP9oEeegYttDf7QHHUcgUAd7a3dvexNLaSrKiyPEzL2dGKMPqGUj8KmrzbR9Y/sW5iN1dtb6c0uvbt2drzjUF8tR3Z9pl2qOT82AaqRa7PPoVvPq/iG506aPQLO6tGWTBuZ3jcyHZ/wAtTlU4AON3vQB6gk8ck8kKNmSLG8YPGelRzahaW97b2k9xHHcXQYwRs2DJtxux64yK84j1bWL6O0t11W4gaeTS0aRCCwEkLNJjP94inpaPr2vabYX1zM7Wc2pRW9yxzInlSw+WxPcjAz6jIPWgD0Zbu3e+ks1lU3MUaSvH3VGLBT9CUYfgamrzC81nUf7X8SPKGsdQhsdNs5pVBVEDXlwhnB7R7G8wkHKrnkEHFW11bV0S50uLxPDdhrzTvs97aTecQJJykyhmJzgbMjoN4/vUAes0V57bXOpWeoBzq13PHb66mmRxTPuBiZVLF/7zZbgnpVDw3rmsXniCwM94ouJrl1u7d9T8wiPD8C2C5jOQvJPH40Aeo1zei61p8/jO68N3dlCZxbG9imaMHzN1xOjKSR1ARSB1I3elbtl5X2GH7PcG5i2DZMZN+8eu7v8AWuWfwtqF7falq+ntHHdKsR09y+CJori7Lq3HCsk20n0ZqANPSvEWh6p4u1TQ0tLVGsnjijYxD9+5RmcLxghQvUe/pSa3qKxeIbPRPD9jpM97MJDOLpSohCqrD7qnkhqx77w1D4aivJvtkMUuy1OnSO2Zbi5iMjP8o+8XLkkDruParieBf7TuNHutcgjuG3XFzfq7lSJZQu0DHZQMdccUASprX2XXLHRdT0fT/t092sMr2y7ogjwzSKQSM7sw4Knsc9CK3Yrzw5NDbSxmxMd1atewvsUB4F25kBx0HmJ/30KqXPhaC2m0JNEtore3sdSN3Mu45Km3mjzk5JOZF69vpXLJ4G1640iDSbw2dvaWPhq50SKdZCzSO3kATEYGFIiJ29Rjqc8AHSf8JD4WubS4fT59NaWGIylZotoVQQCzDbkDLAZx3q5HqXhibVm0yJ7FrxXMbQiMZDDqp4wDz0rhblrzxxr999jTS98miyW4NneC5VW8+JgJJVGBkA4GM8NXTL4VvFuWlVYAzeIf7RZgeWi2YGeOvtQB1H9m2P8Az5W//fpf8KP7Nsf+fK3/AO/S/wCFWaKAK39m2P8Az5W//fpf8KP7Nsf+fK3/AO/S/wCFWaKAKrWdtBGzwW0MbYxuSMA/pUFXZ/8AUtVKgArM1fxHpWhFBq12LbepZSUYjA6nIBxWnWf4g/5FnU/+vOX/ANANADNI8R6VrpcaTdi52KGYhGAwehyQM1p1yZurnTPDPh/VIpH+y20ES3kQ6GN0Ub/qpwfQAse1YF1q1zPrulz6vrl1o+maul5OED+UEjTyFiBYj92SMsST95iueQKAPS6K8rvdf1Q2WkRzXrCxkbUQLt9RFl5qxXIjtz5xBDboiWx/H97tXZ+E7ia60exm1G9WW9aKXCJNuV4xKQr8gbyFCjfjBznvQBa8VkjwnqJHBEJwaktPBfh+Sygd9PBZo1JPmvycf71ReLP+RT1L/rga4rVDBNqHihHj1CXVFghXRzGsjxx3BtIym3bwjbypJbA6c9aAPQP+EI8O/wDQOX/v6/8A8VR/whHh3/oHL/39f/4quV1DTLsy+Kb+Vb1ydWsomUFyv2LyrI3OxR1BUSBtuSduBzVd4kNrqR0K3vE8OGex8yPypVyokf7ThGG8/J5ecDntQB2X/CEeHf8AoHL/AN/X/wDiqP8AhCPDv/QOX/v6/wD8VXDa5DaNaWX/AAjltcR6GLh/tS3ltctCW2fLiNcS9e+MZp09nOvg7TjfzNJbi5nKRyWNw1vsJHlgop80YGduexbOOKAO3/4Qjw7/ANA5f+/r/wDxVH/CEeHf+gcv/f1//iq43xAl0U0e5mtL17n+z4vJsZhK8izAklYpozhJiSoLSfLwh7NTvEcQbUvEHnQXj6+06/2HIkUpCp5MW3a6jYv73zfvEc5zxigDsP8AhCPDv/QOX/v6/wD8VR/whHh3/oHL/wB/X/8AiqreFdPeLWvEV9c/aPNk1F0i81m2iIRx/cB4AJzyPSunoAwf+EI8O/8AQOX/AL+v/wDFUf8ACEeHf+gcv/f1/wD4qt6igDl5vBfh9ZWxYYAxwJn/AMaj/wCEO0D/AJ8D/wB/n/xrfvE8zzE3Mu4AZU4I4PQ1554Z8FeKdL8ZXd7rPjC/1HSIzmytHk5bP/PT1x09+tAG74Ut4bW71yG2jEccV4ERck4AQdzXRVg+G/8AkJeIP+v8f+gCt6gAqtf6ha6ZZtdX8ywwr1Zv5ADkmrNYPi77INNtpL66ksvLu0eK7VQVt5OcO+7jb1BzxyKAL2l67putLIdMuln8sgONpUj8CAfxq1Pd29tNbRTyqkl1IYoVP/LRwjOQPfajH8DXAXGuSmK/ltb601Ce2+xbtYsCMGD7UN6SFSVBC72bGAFbPFUNX12HVdZimbWZIdOh8VCCK7j6RRnSWLbWxwpZnO/oAxbOOaAPVKK84GryNElrLrcyaJ/a7241T7SAWgFqJFPn9CPOJXOe22otYvmkktLLTfFwgsVR5Fv7y6MccpDAbBKpXzCMk5yRj6UAeleYnmmPevmBdxTPOPXHpTq8cXUtU8ttdF7NJqUmjQROFm2Rki6KS467SqHcT/Du3GtOz1rU10nVDDqIeyWSxQzR6l9taBZLnZcP5wUBAIjn/ZwWOM0AeoUV5gdakivNZttN8RXF9pkJ0xPtTS7vs8cs8qzsJehwozvyduMZ+XiabULpnksdE1+4nsW1Gyiiv1nE7HzC/moJOQei8ds+9AHpNFcTBe6mk0XhX7RctexXIL3zZLNaqQ4ct3Y8IeMfe7iuvsvK+ww/Z7g3MW0bJjJv3j13d/rQBj3F2f7Ym03T7G0utTupHmRrwYjSKOOEMSQCesiAAf3s9Aar3HinTNFkWy8R6baRX4uoLdxbRb4yJidjgkZx8rZB549xVqTT75dfk1zSYY7q5tGltTayyeWskcqW7Eh8HDAxL2IIyOuCIrjw3qmoSyavcxwwX8l1aTfY1l3IqW7sQu/HLHe3OMdOKAJ/DWv6Dr1kC8VhFdqJGlgCj5ArsuckY6DJ9Ks2+u+ErqK6khlsilnE007NBt2IoyzcgZAA7ZrEj8DXx0bTrEm3hMdvqEU7qc4a4BCtjHPXmqCeBtZudK1CC5jlE/8AY11p9q91qjXCs0qBeBtAQZQZ69vTkA6uTW/CcRt981gBckiJhECGw23OQMAZB5PBwcHitn+zbH/nyt/+/S/4VyniLw1qc15A2gwRQM1olq0yXBjVNhbaJYsETRjeSE46uM/Nx2lAFb+zbH/nyt/+/S/4Uf2bY/8APlb/APfpf8Ks0UAVv7Nsf+fK3/79L/hR/Ztj/wA+Vv8A9+l/wqzRQBW/s2x/58rf/v0v+FAsbSLLxWsKOAcMsYBFWaR/9W30NAGfRRRQAUUUUAYb+NPD0d9JaPqcYmjlMLjY2FcHBBbGBg9eeK3OtcJoFt4guoNXhsp9MjsJdVvUPnQO8oBmYMeu098AjHrXP+IrjUtFmv4NH19bI6JDHBY2F3cN5t2EgR1KICPN3MxXJBJZWHbAAPU31C0juordriMTTOY0Tdklgu4j67efpU0kiRIXldUUdWY4ArymDTRc+NfLttVukF3rsswkSbcxiawBDIewb5gGHZeOla+rNc678HzJdXFx5olG6SFtrFUuNuSR6KuSfbNAHoNFebyau6zTTprsx1aPVUt7fTvtQxLb+eqbvJ6tmIs27/gVaPj7U7yz1TSbaOf7PYzQ3Ek0v9oCyHmK0QjXzSCOQ8h2d8Z/hoA7eo4p45zIIm3GNyj8EYYdv1rzb+39et9M0pra6N1Lcs8eoGNjMLO0ErhLkNgbmCgDOPn5YAgZqS71W6/s6626yRaxapJCryX32cyRiJCoFxgheSTz97NAHoc95b22fOlVSNuR1I3NtBwOcZ4qavKby6uItVi1mG/v45rnTbFEMz7d+bwK429D8p5x/ez3rX0y91NNYsbubU7idb3xBfaebdyPLSBBcsoA9Q0K/N1xx0oA7+miRGkaNXUuoBZQeRnpkV5p4e1qWfUvCB/4SC4uL7UgX1bT2k3rDL9lkdlI/wCWW18jYcdOny8O17z9M8UeIZrfULi0kvVskEskxWOJCXDP/sqvGSCMbuvNAHpdFeU2GqatKyaQPEqXAbVoI47yzm8wvC8TlwGYkn5hjPY/Sp9R1iWCQyt4huYNVGvQ2f8AZ4lzutvtiRjMfVQ0eDv4znr83IB6fUMl3bxWr3LzxiCMEtJuG0Y4PPsRXmdvresXHihka8WK6/tiS3MD6ng/ZluWQYtAuQTCAQ2cch84pz6YI/grq9m13eb47u5Llpj5in7SxAJ6jK7Wx33Z70AenRSJNCksZ3I6hlOOoNR213b3iyNayrKI5Gicr/C6nDD6g157e6nLbz37nXLhNXtb9be009rnHnQ7kG4w9XypY7sc4z2psN2sV19lvtUk0rTJtT1N5rlJxB+8WZfLXzD0yGfjvj2oA9Etbu3vYmktJVlRZHiZl7OjFGH1DKR+FTV47baveQaLpcUd8/2G5vNYlmu3vBpxkkW9xHlyvBIeQ+XgZwT/AA10Wi3Wq6jqmiRahq0kUH9n3dxKIJcrKEuEWImQgbsIRlh97k9DQB6BVbUv+QVd/wDXF/8A0E1JbbPskXkymaPYu2Qtu3jHBz3z61HqX/IKu/8Ari//AKCaAMiK5vdSMtxoOi6XNY2sz27i4+SaZ4mKyBMDA+ZSoLHqM9DVxNR0+TxBYWI0yGOG7hky80AV0nVUcQkY6mNnY+mw1BZ2evaEs9lo9la3ltdXEt0l1PcFDA0zl2DIAd4VmJ4IyMDrzT/EsF9HoEd8Y2nvNGuI7mKSMZkulUDzMKB8pdTImOeD74oAtRat4Xn1Y6ZE1m12GK+X5PBI7BsYJ9s1U1HxN4UsNP1S4AtJ202B5pYo4Rlto6KcYPPHGcZ5rA/4QnUU1a2m/si1kuLTUftn9pfbCGnXeWCeXtwvysFz/s571bi8IavL/adh+7srC4s7m2QfaDNHmQEKY4yMxAZJIyc/hQBrjxH4RC2vnSWcTXUSSorQdAwyNx24Xr3x61Ndan4fjvXsYX037ZDcRQzRSIMoXaMAHA4YiVNuepYe+OS1LwPrV7NqMbRytb6xDGlwkWqNDFF+4SFlZAv7wYTOQVyDjjGa3LnwpeSXOrzRrAHvfEFjqCNu5MMK2wYE465hkwPf3oA0l1jws+qNpyyWX2pSVKmEAZHUbsbc/jVK58RaAY4ZdMhsrqJbuOC7fytvkI2QH5HI3bRkcc0zTNK1qytG0STTbCex+0Ty/bJpy25ZJHkx5QGQfn253ds1V03wnqkum6nY6htt4JbUQWyyXBufLkU5R1JAKIpCkJz060Abeoar4X0u/Wyv2s4bhsfKYc7c9MkDC/jj1pZtU8L29xeQTSWKzWQzcp5YJi4RhkY7iRMDvu4zzXE3/hXUfF2k3U93o8c76zZLGlxc3LRSaeTCIzmPHz4YF+2c4rXu/B+pX+ka+XSO2vdQ1Oy1CMQz4bEEVr+78wD5TvhkAbBxuBx2oA0v7e0O4uNOOm29ncWlzdfZp5jFtMLFCY+CM/MwCj61cn1bwvbasNNnazS7LBdhh4BPQFsYB+prnovCd+NB1q5ullh1GZIngea9a8kR4dzIwbA7scADr61d0eHXYxMYdItntNWuBftJcz4NvvVCUaLbklcdcjn6UAalrq3he91Q6datZyXQJGwQ8EjqA2MH8DVZPE3guS3aeO70941VGysQO4N028fN74zjvis/S/D2tQroWl3Vrbx2eiXRnF4txuNxhJEA8vb8ufMz1PT3p/h7wfdaX/wiv2iK2H9kaJcWc2znE8ht/mXjv5UmT1596ANO91vwnp1wILuawSVkSQIsQYlHztbgH5TtPPTinX+r+FtMnihvXso3mUMgEO4FT0JIBAHua4zQtK1vSNUl0u1sLO8uLfw1plhclp/LMbATqWVtpyuVPGBnj0rXHhnWtItLmx0+3t7+O+0y3sJJmuPJ8kxxGMtt2ncDuzjI6YoA3pNU8LxamunSS2Au2ZVEXlrkFhlc8YGQRg96Q6t4XXWBpZazF5v2eX5PG7+7uxjPbGevHWsSTwVerZ6pFH9neS4l07ypScFkt/K3544+4xAqongnVF114pfPmsH1f+0vM/tJlhH+kfaAPs4XkggD72CRnpxQB0D6/wCE1+1rHLYyyWiStKiRAkeUzK69PvAqeOvGelQ6d4m8Kahp+l3JFpA2pwJNFFJCMruHRjjA545xnHFVLbwfexQ6cmIEMOs6lfTsp6pcfaRGenLYmjz6YPpVNPCWuW0Olw2kUUUkNpBazXCXRCN5PyhpIipEoI5A4xkjmgDpfD8lnrOki4n021guEleKeERg+U6sRtPHXGD+Nan9m2P/AD5W/wD36X/CsjS4ZdO8Y6tarG/2S8jS9RgpCI5+R1z3YkbvxroKAK39m2P/AD5W/wD36X/Cj+zbH/nyt/8Av0v+FWaKAK39m2P/AD5W/wD36X/Cj+zbH/nyt/8Av0v+FWaKAK39m2P/AD5W/wD36X/CmyW0FvH/AKPDHFuPOxAufyq3UF1/qx9aAKtVtO/5Blv/ALlWarad/wAgy3/3KALNFFFABRRRQB598Qh/xbTxCf8AqHzf+gmin/EMf8Wx8QH/AKh03/oJorpq7I46fxv0X6nWoMSf8Af/ANANP0P/AJF7Tv8Ar1i/9AFGMN/wB/8A0A0aH/yL2nf9esX/AKAKyqbnRT2L1FFFZmg2T/VP/umorH/kG2n/AFwj/wDQRUsn+qf/AHTUVj/yDbT/AK4R/wDoIoAnpFUIoVAFA6ADGKWigBhhiYANGhCtvAKjhvX61lazoUmreSsOpTWMUalGjgghbeD2y6MV44+UjrWxRQBXtLG3srOC2t4gsUEaxxg8kBRheTzwKmEaBshFB55A9etOooAa0aNu3Ip3Da2R1HofzNMS1t4wBHBGoByNqAY/zgflUtFADfLT+4vXd07+tNW3hWYyrDGJD1cKMn8akooARVCKFQBVHAAGMU/Rf+Qaf+u8/wD6Nem06BxbReXCiqu5mxyeSSSfzJoAutGjlS6KxU5UkZwfUU6qn2p/Rfyo+1P6L+VAFuiqn2p/Rfyo+1P6L+VAE8NvDbgiCGOLd12KBn8qkqp9qf0X8qPtT+i/lQBboqp9qf0X8qPtT+i/lQBboqp9qf0X8qPtT+i/lQBPP/qWqlUr3DupUgYNRUAFBAIIIyD1BoooAz9V0katDHbSXU0NpyJ7eIKFuEx9xiRkL/ukZ6HI4pJ9FtbjVbO+kHNnby26RYGwrIYycjHbylx+NaNFAEb28EkSxyQxsi/dVlBA+gpwjRcbUUbRtGB0HpTqKAM/XrObUNBvLS2AMs0ZRdxwMn3q5ptnbac080ULCe68trht4IZljVARk8cKKkooAt/aR/cb/vpf8aPtI/uN/wB9L/jVSigC39pH9xv++l/xo+0j+43/AH0v+NVKKALf2kf3G/76X/Gj7SP7jf8AfS/41UooAt/aR/cb/vpf8aPtI/uN/wB9L/jVSigC39pH9xv++l/xo+0j+43/AH0v+NVKKAKGrTa4bof2RaWLwlRua5nKtn6AHj8aoeb4u/58tI/8CX/wreooAx/D2nX9kdRn1RbdJby4EoWCTeANoHcD0rYoooAKa6LIhSRVdT1VhkGnUUARpbwRRskcMaI33lVQAfwo+zwbNnkx7f7u0Y6Y/lx9KkooAjNvAYfJMMflf3No2/lSNa27xrG8ETIv3VKAgfQVLRQAzyYsY8pMcjG0d+tRS2aNYz29ti181GUPFGvykjG7BBBI9wR61YooAxtG8Ox6XJczXF3LqFxdIkUks8cafu0LFU2oqrgGRznGTu5PArVSCGNAkcSIoO4BVAAPrUlFAGdp2jrZXc95PczXt5N8pnmChlQHIQBQAFGfTnqcmtBVCKFQBVHQAYxS0UAGk/67UP8Ar5H/AKKjrRrPhYW/mGJQDI29zzycAZ/ICpftT+i/lQBboqp9qf0X8qPtT+i/lQBboqp9qf0X8qPtT+i/lQBboqp9qf0X8qPtT+i/lQBboqp9qf0X8qPtT+i/lQBbpH/1bfQ1V+1P6L+VBuXIIwvPtQBDRRRQAUUUUAIqhc7QBk5OB3pj28MkiySQxu69GZQSPxqSigBghjVgVjQFRgEKOBShFCbAqhf7uOKdRQBF9mg80S+TH5g6PsGR+NOlhinULNGkig5AdQRmn0UANWNFGFRQMBeB2HQU1reBo/LaGMpnO0qMflUlFADGijbG5FO3pkdP84pfLQYwi8EsOOhPf68mnUUAYUPhnbry6nd6jcXXlTPNbwNFEiQuysucogZsK7L8xPXPXmtp4o5M+YitkYO4ZyPSn0UARJbQR48uGNMdNqAYrH1Dwz/aerLc3Wo3BtRJFKbJYogjNGyumX2eZw6K2N3bHTit2igCP7PD53neTH5v9/aN3p1pxjQhgUXDHLDHWnUUARm3haYStDGZB0cqNw/Gh7eGRNkkUbrndtZQRn1qSigCJ7eCRNkkMbpndtZQRn1/WniNBjCKMLtHHQen0p1FACABVAUAADAA7VX1L/kFXf8A1xf/ANBNWabJGssTRyDcjgqwz1BoA0Yv9Sn+6KdVQXLqoAC4HAo+1P6L+VAFuiqn2p/Rfyo+1P6L+VAFuiqn2p/Rfyo+1P6L+VAFuiqn2p/Rfyo+1P6L+VAFuiqn2p/Rfyo+1P6L+VAFuiqn2p/Rfyo+1P6L+VAFuiqn2p/Rfyo+1P6L+VAFoKoYsANxGCccmlqp9qf0X8qPtT+i/lQBboqp9qf0X8qPtT+i/lQBboqp9qf0X8qPtT+i/lQBboqp9qf0X8qPtT+i/lQBboqp9qf0X8qPtT+i/lQBboqp9qf0X8qPtT+i/lQBbqC6/wBWPrUf2p/RfypskzSABgPwoAjqtp3/ACDLf/cqzVbTv+QZb/7lAFmiiigAooooA4X4iD/i1viA/wDUOm/9BNFP+Io/4tT4g/7B0v8A6CaK6KmyOSHxv0X6nQ290Z5iu3GI3P8A44asaH/yL2nf9esX/oArPsP+Phv+uT/+gmtDQ/8AkXtO/wCvWL/0AVNZWkbUneJeooorE1GuC0bAdSCKqW7XkNrDEbLJjjVCRMnOAB61dooAredd/wDPif8Av8n+NHnXf/Pif+/yf41ZooAredd/8+J/7/J/jR513/z4n/v8n+NWaKAK3nXf/Pif+/yf40edd/8APif+/wAn+NWaKAK3nXf/AD4n/v8AJ/jR513/AM+J/wC/yf41ZooAredd/wDPif8Av8n+NHnXf/Pif+/yf41ZooAredd/8+J/7/J/jR513/z4n/v8n+NWaKAK3nXf/Pif+/yf40edd/8APif+/wAn+NWaKAK3nXf/AD4n/v8AJ/jR513/AM+J/wC/yf41ZooAredd/wDPif8Av8n+NHnXf/Pif+/yf41ZooAredd/8+J/7/J/jR513/z4n/v8n+NWaKAK3nXf/Pif+/yf40edd/8APif+/wAn+NWaKAK3nXf/AD4n/v8AJ/jR513/AM+J/wC/yf41ZooAredd/wDPif8Av8n+NHnXf/Pif+/yf41ZooAredd/8+J/7/J/jR513/z4n/v8n+NWaKAK3nXf/Pif+/yf40edd/8APif+/wAn+NWaKAK3nXf/AD4n/v8AJ/jR513/AM+J/wC/yf41ZooAredd/wDPif8Av8n+NHnXf/Pif+/yf41ZooAredd/8+J/7/J/jR513/z4n/v8n+NWaKAK3nXf/Pif+/yf40edd/8APif+/wAn+NWaKAK3nXf/AD4n/v8AJ/jR513/AM+J/wC/yf41ZooAredd/wDPif8Av8n+NHnXf/Pif+/yf41ZooAredd/8+J/7/J/jR513/z4n/v8n+NWaKAK3nXf/Pif+/yf40edd/8APif+/wAn+NWaKAK3nXf/AD4n/v8AJ/jR513/AM+J/wC/yf41ZooAredd/wDPif8Av8n+NHnXf/Pif+/yf41ZooAredd/8+J/7/J/jR513/z4n/v8n+NWaKAK3nXf/Pif+/yf40edd/8APif+/wAn+NWaKAK3nXf/AD4n/v8AJ/jR513/AM+J/wC/yf41ZooAredd/wDPif8Av8n+NHnXf/Pif+/yf41ZooAredd/8+J/7/J/jR513/z4n/v8n+NWaKAK3nXf/Pif+/yf40edd/8APif+/wAn+NWaKAK3nXf/AD4n/v8AJ/jR513/AM+J/wC/yf41ZooAredd/wDPif8Av8n+NHnXf/Pif+/yf41ZooAredd/8+J/7/J/jR513/z4n/v8n+NWaKAK3nXf/Pif+/yf40edd/8APif+/wAn+NWaKAK3nXf/AD4n/v8AJ/jR513/AM+J/wC/yf41ZooAredd/wDPif8Av8n+NHnXf/Pif+/yf41ZooAredd/8+J/7/J/jR513/z4n/v8n+NWaKAK3nXf/Pif+/yf40edd/8APif+/wAn+NWaKAK3nXf/AD4n/v8AJ/jR513/AM+J/wC/yf41ZooAredd/wDPif8Av8n+NHnXf/Pif+/yf41ZooAredd/8+J/7/J/jR513/z4n/v8n+NWaKAK3nXf/Pif+/yf40edd/8APif+/wAn+NWaKAK3nXf/AD4n/v8AJ/jR513/AM+J/wC/yf41ZooAredd/wDPif8Av8n+NHnXf/Pif+/yf41ZooAredd/8+J/7/J/jR513/z4n/v8n+NWaKAK3nXf/Pif+/yf40edd/8APif+/wAn+NWaKAK3nXf/AD4n/v8AJ/jR513/AM+J/wC/yf41ZooAredd/wDPif8Av8n+NHnXf/Pif+/yf41ZooAredd/8+J/7/J/jR513/z4n/v8n+NWaKAK3nXf/Pif+/yf40edd/8APif+/wAn+NWaKAK3nXf/AD4n/v8AJ/jR513/AM+J/wC/yf41ZooAredd/wDPif8Av8n+NHnXf/Pif+/yf41ZooAredd/8+J/7/J/jR513/z4n/v8n+NWaKAK3nXf/Pif+/yf40edd/8APif+/wAn+NWaKAK3nXf/AD4n/v8AJ/jR513/AM+J/wC/yf41ZooAredd/wDPif8Av8n+NHnXf/Pif+/yf41ZooAredd/8+J/7/J/jR513/z4n/v8n+NWaKAK3nXf/Pif+/yf40edd/8APif+/wAn+NWaKAK3nXf/AD4n/v8AJ/jR513/AM+J/wC/yf41ZooAredd/wDPif8Av8n+NHnXf/Pif+/yf41ZooAredd/8+J/7/J/jR513/z4n/v8n+NWaKAK3nXf/Pif+/yf40+zieCxhjlADqmGAOcGpqKACiiigAooooA8/wDiHdFvhn4hi2/8w+YZ/wCAmioPiD/yTzxD/wBeE/8A6AaK6qyskcVN3nL0X6nU2H/Hw3/XJ/8A0E1oaH/yL2nf9esX/oArPsP+Phv+uT/+gmtDQ/8AkXtO/wCvWL/0AVFf4jej8JerL8Q6pLo+lJdQIjs15a25D5xiW4jiJ47gOSPcVPdQRXGoWqTxJKuyQ7XUMM8djVTXdE/tDR0s9PS3tyL20uT8uxSIriORug6lUIHvjpWBsJa+LdEvb+Wztb9ZJopJYnHluFEkbMHj3EY3jax2Z3bRuxt5qPT/ABpoGqKHsb4yRtCZklMEixyoF3HY5UK5AzkKSRg5HBrLHhe8trSxZpID9j1bUdQk2k/NHP8AaigHH3h56Z7cHBPGc3wzoWs6v4X8NjUvsNva2mmAQzW7uZJfMttgDRFQE2huodskdFzwAdBr3jbS9E0sXmZLovFFMkUMTsWjkcKH4U4HP9O9O1vVNWGt6VpuhPZxNewTzvJeQO+BGYwAFVlIJ8zv6VhDwZrt1HIl9Np8SRadBZ2yws7EmGUOGdiowG2joPlz/FjJ3Nb8K23iLXdKutYsrG8tLO3nWS3uEEo8yQxbSoK4ONjc8HkUAMt/FP8AZ73lp4ieM3Nm0amWwgkdZjIGYIsY3P5iqpZkG4hSr8BuLMvjLQobKC5mvWjS4laCONoJBKZAu7y/L27w2OQpGTkYByKh1Hw59mttJPheysbc6Tdtcw2RP2eGTdFLGw3IrbP9cWyFOSMcZyKlj4Y1Eaxa6pfG1jlOpS31xBFI0ix7rYQBUcqu/wC6GyVXqRzjJAJNN+IGj32j29/Obi2895FERtZWZAjlS7AJlU4+8QFHTPBrqEdZI1eNgyMMqynII9a4Wfwdq0Vhb29j9kaWBpkS6S+ntZEV5C4Y+WCJAC3+qb5SRndzgdkLKKSGIXscN1KiBWlkhX5j3OO2TzigCzRVb+zbD/nxtf8Avwv+FH9m2H/Pja/9+F/woAs0VW/s2w/58bX/AL8L/hR/Zth/z42v/fhf8KALNFVv7NsP+fG1/wC/C/4Uf2bYf8+Nr/34X/CgCzRVb+zbD/nxtf8Avwv+FH9m2H/Pja/9+F/woAs0VW/s2w/58bX/AL8L/hR/Zth/z42v/fhf8KALNFVv7NsP+fG1/wC/C/4Uf2bYf8+Nr/34X/CgCzRVb+zbD/nxtf8Avwv+FH9m2H/Pja/9+F/woAs0VW/s2w/58bX/AL8L/hR/Zth/z42v/fhf8KALNFVv7NsP+fG1/wC/C/4Uf2bYf8+Nr/34X/CgCzRVb+zbD/nxtf8Avwv+FH9m2H/Pja/9+F/woAs0VW/s2w/58bX/AL8L/hVXUtPsk0m7dLO2VlgchlhUEHaeelAGnRSv99vrSUAFY+s6ndQX1npelCEX96kkiSXCloo0j27iQCCx+dQBkdSc8YNlLS2uNQu2uLeGVgUAMkYbA2+9VNX0q5N5Y6noqW5u7BJIo7adzFDJHJt3DcqsUIKKQdrDgjHOVAIbPxC9nd3OneI3gS8t/sx8+2RhFKLmRoogFJJVt6MpBJHQ55IVuo+NtM07W7TTW82V5rmS2mdIZCsDJF5pyQpHQr36HPY1Su/DWqapHd6leGzg1WZ7JktopmeBVtJzMiGQoGJdmfL7PlDKArbSXoy+F9Yjgu9T1CWxa5+3T3xhgLhBG9oISoYjJZcE5xhsD7mcKAdBZeNNA1CNpbS+LxLCZxKYJFSRANxKMVAfA6hSSO9Ra/410zQbEXDebcuwt3EUMMjN5c0mxX+VT7nHfGOpFYOi+H9Y1vw7oyaobG2t7fSmhhmtmdnl82AJlomACbR6O2SO2eJG8Ia9eG4e+l06IrZ2kFtHC8jZa3n80b3Kjh8DkL8uTw2MkA29a1PVx4h0zStDeyiN3aXNzJLeQvJgRNCoACsuM+cevpUdv4qWwa7tfELobq0dEMlhBJIs5cFgqRrufeqjLLzhSrZw3D9b8KWniHxHpl5rFlZXtnZ2lzE0FzGJMSyNAVZQRjgRuM8Hkepwaj4da1i0l/DFnYw/2VcPNFZMTbwvvjdGG5Ebb/rC33TkjHGcgAml8ZaDBaW9xLesi3LtFFGYJPNZ1GSnl7d4bHO0jJ9Kp6Z8QNGvtFtNQuGntftIZvKNtKxiUMVLvhPlTj77YXrzwai07wxqEesWmp3rWqSfbbi7uIYpGdYzJEsYVGKjdjbnJC9enFUJfBusQ6fZ21g1p51ujwpeJez20iKXLK7BARKBuz5L/LkH5juOADu1YMoZSCpGQQetLVc2UEqp9rhhuJFUKXkiUk/4fSk/s2w/58bX/vwv+FAFmiq39m2H/Pja/wDfhf8ACj+zbD/nxtf+/C/4UAWaKrf2bYf8+Nr/AN+F/wAKP7NsP+fG1/78L/hQBZoqt/Zth/z42v8A34X/AAo/s2w/58bX/vwv+FAFmiq39m2H/Pja/wDfhf8ACj+zbD/nxtf+/C/4UAWaKrf2bYf8+Nr/AN+F/wAKP7NsP+fG1/78L/hQBZoqt/Zth/z42v8A34X/AAo/s2w/58bX/vwv+FAFmiq39m2H/Pja/wDfhf8ACj+zbD/nxtf+/C/4UAWaKrf2bYf8+Nr/AN+F/wAKP7NsP+fG1/78L/hQBZoqt/Zth/z42v8A34X/AAo/s2w/58bX/vwv+FAFmiq39m2H/Pja/wDfhf8ACoZbO2gvLJoLaGJvOI3Rxqpx5b+goAv0UVRFrb3Gp3JuLeKYrHEF8xA2Pv8ArQBi+MPEk+g3WlwQ3+l6cl68ivdapny02rkAfOvJ+tWtA1wXiwpd6xpeoy3Rka2k0xG8tlTaH53uMgsO461Hr+k6jJqWkXuhWmnz/YGl3W91O1uhDrjgrG/T0xSXOnazq2lq15aafp2o2dytxZfZrt54yRwQxMSY3KXT7rY3buSAKALd74q0iwnlgnuJHnhl8p4ILaWaQNsVz8iKSQFkTLAYG9QTkgVHceMtBtktWlv+byN5II0hkd3CMFf5ApYFSfmBGVwcgYOMDUPAt6IdJntJReXlpHci6xqM+nfaJLh45JJfMhDMPnjP7vG35+20A3NM8H3FhJZsPs8axafeQOizSykS3EyS53yZZ8YbLkgk87RnaADU0vxRaav4h1DSrRZGNlFFKJwjeXKsgJBVsbSOByCc546Gm6Zrz3ngn+27tobVhBLK7FWZI9u7kgHJAAyQOag8MeHbvQZQZ5IZVfT7W3kKE5WSFCvGRypyTngjHTnjKttE8VReELjw3JY6P5ElrPbrdrqUpb5w+1vL8jHVhkbvXrQB0TeJtKiv4bGa6/0iTYNywuY1ZwNqtJjajNkYViCdy46jObpvxA0i+0r7bIt3Dm7uLZIFsp5JWEMhQvsCbtvCknGFLbSd3FQz+GtVHiC1ubFre2jBhaa5iu5kYhAodXtsGKYsqlRIxUqGGASgznXvgbUxcw3Fq0dybe4vzHGmq3Gnl0up1uNzSQqWyrAps5DDD5B+UAHSXHjLQLUW3m6gN11GZYUSJ3ZlU7WO0AkbSfmBHy4OcYNSXvivRrCdYp7l2LIHLwW8kyRqeQzuilUGOcsRxz0rFsvBtzZxxrGbZFGlXNoVEsr7ZZZBJnc+WYdcsTknnAzgZl58P9RaRhGI7qO6soLa4/4nN3ZpHsj8s/u4RiYHr8xQ9sjrQB2lvr2mXesTaXa3ay3sCh5YkUnYpVWUk4wAQwxzzzjocc/ba34kubG+1YT6NFp9peXcXkzRSIxjgnkj5l37VJEec7SBnoa2NE0WXStS1Wd2iMd5LC0QTOVVIEjwc9OUPc8Y5rP0TwJo9lJNeajpGmXGpvqNzeLd/Z1aQb7h5I/nK53KrKPYjigC0njTRyYFme5t3lRHcSWku23LqGCSuFKRsARkMwxkZ6iq+pePtGsNShsInlu7lr5bKZIIJH8hiP4iqkA9ODjI5HQ1U1Lw3rM/9s6faLYtp+tXAnlupLh1lt8oiELEIyHx5YOS653Y4xk2D4XvAJpEktzL/bf9pRqSQHTAG1jjg4yeh6D14ANaw8R6Xqd89pZXLPKoJG6J0WQA4JjZgFkA4yVJAyPWtSuV8P8Ah/U9L1ySaRre2sQjqIbe7mlSYkgqVhkG22C4PyozA7uegrof7NsP+fG1/wC/C/4UAWaKrf2bYf8APja/9+F/wo/s2w/58bX/AL8L/hQBZoqt/Zth/wA+Nr/34X/Cj+zbD/nxtf8Avwv+FAFmiq39m2H/AD42v/fhf8KP7NsP+fG1/wC/C/4UAWaKrf2bYf8APja/9+F/wo/s2w/58bX/AL8L/hQBZoqt/Zth/wA+Nr/34X/Cj+zbD/nxtf8Avwv+FAFmiq39m2H/AD42v/fhf8KP7NsP+fG1/wC/C/4UAWaKrf2bYf8APja/9+F/wo/s2w/58bX/AL8L/hQBZoqhPZ2sE1q8FrBE3nqNyRKp6HuBV+gAoorPsrG0ktjJJaQPI00pLtEpJ/et3IoA5jWvGFxZeK7zS/7d8PaRFbQwyJ/apO+UvuyR+9TgbfTvXT6VqC3cbQSXVvc3luqfaGt0ZY8su5SuSeCCD1NY1zp2v2finUNQ0rT9Kvre9ihX/S76SB0MYYHhYXBB3eoo1fw5qWsiCdZLbT7i5t/sepRxu0yvAWyVRiqknG5c4U/PnI2gEAtHxv4fCxOt7I8UiLIZo7WV44lYZBkcLtj4IY7yMA5OBzU7eLNETWJdLN8PtkMixSxiNyI3ZVZVZsYUsHG3J+Y5AyQRXL634BurzVNTFrHHNY6oqJIJNYu7ZYVESxFTBF8s4wueXQtnbkAbq1rjwteSy6mySW4+167Z6imSeIoVtgynj737h8DpyORzgAs6Tr9x4q8MnUNACWc32iSIfb7eQqNkhUnb8hOQM+xOOoNUNH1nxFL9vu9Yu9Ij0/TbmWK58m0lDssYyWBMhx9MHpW34d0ubRtLeynaOQLczSRyIT8yySNJyCOCC5GMnoDnnAojw9dDw/4isfMh83VJbl4Tk7VEiYXdx+eM0ATQeLdJuPOuYtRhezjtknBWJ9zBnZAyn+MMVwoUEk9M5FLB4y0K5iu3jvWDWSRvcRPBIksfmMyxqY2UNuYqdq43HK4HzLnH1jwvcGO4vHurSCKDT7IBpXKqHtZ2nO44+VDwN3JHJ2nGDhwzT+JL7X9Za90cQwW+mTpPa3LSWiva3E8zRPcbRk42lm2DYsq/K2MsAdpD4y0K4t7qWK9Y/ZNnnxNBIsqFydimMrv3HacLjJ445GQ+MtBTTzeT3rW8QmWEi4gkicO33QUZQwzjjjntXF29jeeN7nW7uK4sJAzWEkL6beSCFmheRjF9pQBt3IJdVBXePlOMnZsPBl7H5M88cEE/9owXUytqNzesUjVh/rZuSfm4G1QPU0Aa2t6pqo1nStO0JrOJr6GeZpL2B3wI/LwAoZSCd/f0qODxR/Z8l5aeI3ia5tGjBlsIJHWYyBmCLGNz+YFUsyDcQm1+AeJde8K2niHXtLudUs7O9srOKdXguoxJl38vaQpBHGxufem6l4bFta6T/wAIvZWNudJvGuobI/6PDJuhliYbkVtn+uLZCnJXHGcgAmk8ZaDDZQ3U160aTzGCNHgkEplClvL8srvDFRkKRk5GAcjNLTfiBo99o8F/P9otvOkkQRG1mZlCOVLsAmVXgfMQAM4zkGorHwxqP9sW2q3xtI5m1SS/uIIpGkWMG0+zqqOVUuflVslVxkjnGTTn8HatFYwQWP2R5YZJgl0t9PaSqskhkDExghwC3+qb5TgHdzgAHcI6yxrJGyujAFWU5BB7g06qy2MTwQrfRw3cyIFaWSFfmOOTjtk84o/s2w/58bX/AL8L/hQBZoqt/Zth/wA+Nr/34X/Cj+zbD/nxtf8Avwv+FAFmiq39m2H/AD42v/fhf8KP7NsP+fG1/wC/C/4UAWaKrf2bYf8APja/9+F/wo/s2w/58bX/AL8L/hQBZoqt/Zth/wA+Nr/34X/Cj+zbD/nxtf8Avwv+FAFmiq39m2H/AD42v/fhf8KP7NsP+fG1/wC/C/4UAWaKrf2bYf8APja/9+F/wo/s2w/58bX/AL8L/hQBZoqt/Zth/wA+Nr/34X/Cj+zbD/nxtf8Avwv+FAFmiqUNvDb6sRbwxxA2+SI0C5+YelXaAPOPiD/yTzxD/wBeE/8A6AaKPiD/AMk88Q/9eE//AKAaK662yOKl8cvl+p1Nh/x8N/1yf/0E1oaH/wAi9p3/AF6xf+gCs+w/4+G/65P/AOgmtDQ/+Re07/r1i/8AQBWdf4jej8JLL/yFLb/rnJ/7LVmq0v8AyFLb/rnJ/wCy1ZrA2CmtIiY3uq56ZOKdXCfEYO02nrFnc24AA9elb4ej7eqqd7XMa9X2NN1LXsdv9oh/56x/99Cj7RD/AM9Y/wDvoV40dJ1RW2tbzA4OQT0x2+vt1qDyLv7TFb7ZPNm27Ezy27p+ea9pZLfaqv6+Z5Dze29N/wBfI9s+0Q/89Y/++hR9oh/56x/99CvHptJvPO2WglmURQu7ZwFMkYfB/UfhSpb2sGmxXGoSXgkklkj2R4+Xbt65/wB6p/sfRWqX+XzK/tXXWH4nsH2iH/nrH/30KPtEP/PWP/voV46+lXjTlbTdKhUOGLBcA9Acnr7UWOkajf3SRRpIoaURM7HAQ8dfzo/sZWu6q/r5h/arvb2bPYvtEP8Az1j/AO+hR9oh/wCesf8A30K8Zt7SRryeK4laOO2VnmYHOAOMD3LEKPcipbXSryaF5pfMjhEDyhgc/dUkZHUA4603k3LvUX3As2vtTf3nsP2iH/nrH/30KPtEP/PWP/voV4u9hfpa/aGRxFjOd3IHrjOafa2F1NqCW83mRr50cUjZ+5vOBR/Yul/ar+vmL+19bezZ7L9oh/56x/8AfQo+0Q/89Y/++hXkEOj3Z1S0trnzIori4WHfnJGWx07H2NVobC/ntjPFG7R84O7k49BnJ/Cj+xr/APL1f18x/wBrf9O2e0faIf8AnrH/AN9Cj7RD/wA9Y/8AvoV4rdQtDFBNFK7xTJkEnow4Zfw/qKreY/8Afb86tZFKSuqn4EPOYp2cPxPc/tEP/PWP/voUfaIf+esf/fQrwzzH/vt+dHmP/fb86f8AYM/5/wABf21H+T8T3P7RD/z1j/76FH2iH/nrH/30K8M8x/77fnR5j/32/Oj+wZ/z/gH9tR/k/E9z+0Q/89Y/++hR9oh/56x/99CvDPMf++350eY/99vzo/sGf8/4B/bUf5PxPc/tEP8Az1j/AO+hR9oh/wCesf8A30K8M8x/77fnR5j/AN9vzo/sGf8AP+Af21H+T8T3P7RD/wA9Y/8AvoUfaIf+esf/AH0K8k8KHzfFFmkvzoS2VbkH5DXqYtLJId8lvAqqMligwBXk43BvCVFBu91c9PB4pYqDmlazsWRNEzALIhJ6AMKfUUVnbJKjJbxKwYEEIARUtcJ2BVTVf+QPe/8AXu//AKCat1U1X/kD3v8A17v/AOgmgC4/32+tJSv99vrSUAVrf/j+vP8AeT/0GrNVrf8A4/rz/eT/ANBqzQAUxpolbDSICOxYU+s4XOk6dBe3mtNbQxfbFjEs6jGWVAoz7k0AXftEP/PWP/voUfaIf+esf/fQqhH4i8IybdlzY/NG0nMWNoUZOcj5TgZwcE+lWdV1DQNG0f8AtO+S3W2aNpEZYQTIBG0mFGOTtRj+FAE32iH/AJ6x/wDfQo+0Q/8APWP/AL6FYn2y9sDbXutaRpcemXU8MCi3BaaFpnVI92RtYbnVTj1z0BrRvNX8OWWmm9k+ytFumjTbDku8O/zFHHUeW/8A3yaALX2iH/nrH/30KPtEP/PWP/voVyul67e+Kbhn8M6Zo6WgtLe4zfRuHJlVjjCjttxWlB4n8Opp6S6pDb2sxkeJo1gMgLIcErtU5XPRu9AGx9oh/wCesf8A30KPtEP/AD1j/wC+hWP4i8WeFfDmk3V5cfZJ5IbI3sdvFGGeZMMVIwDwShGeg71c1S9sbfTrGXTrC2uLjU5Y4rNGi2htw3FiMZwqBnI64U96ALn2iH/nrH/30KPtEP8Az1j/AO+hWNqfibQLXULWwso7O4u5b6K1eMxYADNhipxhiPQE1ft9Y8MXWqnTrd7V7oMVC+RhWI6gNjaT9DQBa+0Q/wDPWP8A76FH2iH/AJ6x/wDfQrM1rXdE0/wvdarYxWV1Ium3F/ax+WAJ1iTcecdMlR+NV9R8UaBF4b1i/wBJjsry50yzkuTCYtofapPBx8y5GMrkcj1FAG39oh/56x/99Cj7RD/z1j/76FVbrWPDFlqg0+6e1juSQCvkZCk9AWA2r+JFP0eW1v5r61utPtobuxm8uRFjBDKeUccdCP5GgCf7RD/z1j/76FH2iH/nrH/30Ku/2dZf8+dv/wB+l/wo/s6y/wCfO3/79L/hQBS+0Q/89Y/++hR9oh/56x/99Crv9nWX/Pnb/wDfpf8ACj+zrL/nzt/+/S/4UAUvtEP/AD1j/wC+hR9oh/56x/8AfQq7/Z1l/wA+dv8A9+l/wo/s6y/587f/AL9L/hQBS+0Q/wDPWP8A76FH2iH/AJ6x/wDfQq7/AGdZf8+dv/36X/Cj+zrL/nzt/wDv0v8AhQBS+0Q/89Y/++hR9oh/56x/99Cn31hZrEu20gHzdoxVY2lkpUNbwAscDKDk0AWFljc4R1Y+xzTqZDbwQlmhhjjJXBKqB3FPoAKrXX/HzZf9dz/6LerNVrr/AI+bL/ruf/Rb0AWarQ/8hK7/ANyL/wBnqzVaH/kJXf8AuRf+z0AWaKKKACimSTRQ482REz03MBmo/ttr/wA/MP8A38FAE9FQfbbX/n5h/wC/go+22v8Az8w/9/BQBPRUH221/wCfmH/v4KPttr/z8w/9/BQBPRUH221/5+Yf+/go+22v/PzD/wB/BQBPRUH221/5+Yf+/go+22v/AD8w/wDfwUAT0VB9ttf+fmH/AL+Cj7ba/wDPzD/38FAE9FQfbbX/AJ+Yf+/go+22v/PzD/38FAE9FQfbbX/n5h/7+Cj7ba/8/MP/AH8FAE9FQfbbX/n5h/7+Cj7ba/8APzD/AN/BQBPRUH221/5+Yf8Av4KPttr/AM/MP/fwUAT0VB9ttf8An5h/7+Cj7ba/8/MP/fwUAT0VB9ttf+fmH/v4KPttr/z8w/8AfwUAT0VB9ttf+fmH/v4KVbu2Zgq3ERJOAA45oAmooooArXn+stf+vhf5GrNVrz/WWv8A18L/ACNWaACq2n/8eQ/66zf+jXqzVbT/APjyH/XWb/0a9AFmiiigAoqJ7mCNisk0aMOoZwDTfttr/wA/MP8A38FAE9FQfbbX/n5h/wC/go+22v8Az8w/9/BQBPRUH221/wCfmH/v4KPttr/z8w/9/BQBPRUH221/5+Yf+/go+22v/PzD/wB/BQBPRUH221/5+Yf+/go+22v/AD8w/wDfwUAT0VB9ttf+fmH/AL+Cj7ba/wDPzD/38FAE9FQfbbX/AJ+Yf+/go+22v/PzD/38FAE9FQfbbX/n5h/7+Cj7ba/8/MP/AH8FAE9FQfbbX/n5h/7+Cj7ba/8APzD/AN/BQBPRUH221/5+Yf8Av4KPttr/AM/MP/fwUAT0VB9ttf8An5h/7+Cj7ba/8/MP/fwUAT0VB9ttf+fmH/v4KPttr/z8w/8AfwUAT0VB9ttf+fmH/v4KfHcQyttimjdsZwrA0ASUUUUAVh/yF/8At3P/AKEKs1WH/IX/AO3c/wDoQqzQB5x8Qf8AknniH/rwn/8AQDRR8Qf+SeeIf+vCf/0A0V11tkcVL45fL9TqbD/j4b/rk/8A6Ca0ND/5F7Tv+vWL/wBAFZ9h/wAfDf8AXJ//AEE1oaH/AMi9p3/XrF/6AKzr/Eb0fhJZf+Qpbf8AXOT/ANlqzVaX/kKW3/XOT/2WrNYGwVw3xBkEV7pcj52o5Y49ARXc1DAivri71Df6M3UZ/iWujDVvYVVUavYwxFL21Jwva55MNYi84MzSEf2j9pb3T/GpWuvJ083c8TJOC6WjPwWR/wCLHfALc/7Qx92vaPJi/wCeaf8AfIpTFGcZRTjgZHSvYebw6U/x/wCAeWsrn1n+H/BPD7rVYZrKWKMyAubPPHBEULI3/jxGKlvvEMhEg06aSIPeTzHIHKuVK/jwa9q8mL/nmn/fIo8mL/nmn/fIo/teldXpbeflbsL+y6ln+8/Dzv3PCobqC5sZLfULiSJmm87zRHv3HGMYyKty67E1xFMiP+7v/tJTONygLj8flNe1eTF/zzT/AL5FHkxf880/75FN5xTbu6f4/wDAEsqmlZVPw/4J4ZYFJZdStoGLNdQFYcjG4rIkmMepCEAdyQKsjUrHMty0k4mlsvs3kqg2giIICTnkHGenGfavahDGDkRqD/uijyYv+eaf98ih5xFvWH4/8DyQ1lUkvj/D/g+bPEpdQs2M90kkhnntxAYTHgL8oXO7PPTPSrC6zYLObjMxkluYJnXaMIEPI68n3r2XyYv+eaf98ijyYv8Anmn/AHyKl5tTas6b+/8A4HkNZZNO/Ovu/wCCeL22qWFleRSxyTyq9/DdSb0AZFQscZz8xO726UtlrVtDY2e7ak9mhVc2yuzfOzAhyfl+9joeme9ez+TF/wA80/75FHkxf880/wC+RQ82pvem/v8Al2BZZNbT/D/gnhN/+60uwtn4lUPKw9A+MZ9/lz9CKzq+hzDGesan/gIo8mL/AJ5p/wB8ito56oq3s/x/4BlLJnJ35/w/4J88UV9D+TF/zzT/AL5FHkxf880/75FX/b6/59/j/wAAn+xX/wA/Pw/4J88UV9D+TF/zzT/vkUeTF/zzT/vkUf2+v+ff4/8AAD+xX/z8/D/gnzxRX0P5MX/PNP8AvkUeTF/zzT/vkUf2+v8An3+P/AD+xX/z8/D/AIJ88UV9D+TF/wA80/75FHkxf880/wC+RR/b6/59/j/wA/sV/wDPz8P+CeJeEP8Aka7L6t/6Aa9M1PSl1izS3mnkjhzl0Q43+x9vat2eKNbdyqKDtPIFUo/uCvHx+M+t1FPltZWPUwWF+qwcL3u7jLC2+xwxw+Y0ioQFL9QPSpqVPvr9RSV553BVTVf+QPe/9e7/APoJq3VTVf8AkD3v/Xu//oJoAuP99vrSUr/fb60lAFa3/wCP68/3k/8AQas1Wt/+P68/3k/9BqzQAVjX+kS6zaGCJY2EOs29xIsvQpGY2b6nArZry7xTbXd54yu4LFXd9ofYrY4Cgk/lXXg8MsTU5HK2l7nLisQ8PT50r+R103haeMzzzfZUjbX/AO0pXdsAwBMHccdevB4xVDR/Di+IbfULWS8M+iQ289jpk8fO5JgQzqx+/tBCBjkHaSODXFtpGq7eYywYgLiZWDg8ZXB+ZexYZA7mobGwvLq7+x23ysjBWBfCplgv5ZI6V6/9iwtf2y+7/gnl/wBryvb2T+//AIB6lLp+vaxHa6Xq1paWtla3NvcPeQXBdpzBKkqBYyo2bmRc5ZsDI6kEZsXhPXBqVlbN9jXTbO/v7rz/ADCZJftInI+XGF2mbaRk5xnI6VxAjtboyW9m92txFG8nmSygpIEUs3ygZXIBI5bnA75EMVhfy3PkklCFjdi0oAVX27TknH8S/nQslXWpb5f8Ef8Aaz6U7/P/AIB3uifDu3Nw8viWxtrkx2NraQkSMf8AUqyk9sZ+U498dq1r3S9R0rxBHqXh/TrW7iNitmbZ7j7OIgrswYHa2c7sYwOled3dna6VGFvTd3Mpmkj3QXSquFIH91vX14qtLpV35zCCYCLAIa4uEi25Gdp3EDcO4FTHJ4tX9pp3t/wSnmslp7PX1/4B2kHw9uhouoaZLcQD7V4Yj0ZLkLko/wC/DNj+7+9Q9ecVseI2lhfw1q99EsMdjeiS8VH3iHzIJIc7sDKq0oJY4woJ9q810/RNTvrqKNi0EbXAt3lkkC7GyMjBIycHIXqecdDTUtbeS1liknle4jieSWRZAYoypICHjDbsDDBsfOOuOR5PC9lVv8v+CJZrK13Tt8/+AduvhnXh/Zumi2sTZafq5v8A7Y0xMkiNM0hCpt+Qjfjqc47ZqbT/AA7rUS6TpVxb2yWOlXxu1vVuCzTD58L5e35f9Z13Hp7151bRPJZTXEkkuFIjiVG5eQ9B+WT79KtHSL2PT555S5dXjRFilWTLMSCp2k4bjpwap5LGLs6v4f8ABEs2k1dU/wAf+AdLN4I8RT6P/ZZFitvaaDf6Xbyea26aSZYwkjcfKp2dOSMdTni9q3hfX9esbuK5trCzkh0O70u2EExKTtN5WHxt/dqPJHy/N9/rxzwzaZqSyRIpWRpZFiURXKPhz0DbWO0n3x0PpTtM0+6vpACZisiTiLY2S0kce/bj8V/Oh5LBLm9qvu/4ILNpN29k/v8A+AdlqvgjU7rXdVCCWaw1S6WdyNTkhjjGxEKtAo+f/V5zuGc47V0Phz/S/EXiDVIebWeaKCJ/75iUqxHYrk4B9jXlsWnXKySLdSnaLeSVHhnWRWKjONykj0yOvNRf2dewQCaQfu1AZ40uE8xV9SmSy/UjvR/Ysb/xV93/AAQ/taX/AD7/AB/4B71RXgN/HJaXRjSd3jZQ8bk43KRkHFVvOl/56P8A99GrjkXMrqp+H/BIec2dnT/H/gH0PRXzx50v/PR/++jR50v/AD0f/vo0/wCwH/z8/D/gi/tpf8+/x/4B9D0V88edL/z0f/vo0edL/wA9H/76NH9gP/n5+H/BD+2l/wA+/wAf+AfQ9FfPHnS/89H/AO+jR50v/PR/++jR/YD/AOfn4f8ABD+2l/z7/H/gHvt//qV/3hWDf6Emo6hFdTXUwMPMSKcBD6/WuT+Hbu91fb2ZvlTqc9zXoQrw8Xh/q1Z0r3sexha/1ikqlrXFjBWPDHcQvJ9eRRSr/F/u/wBRSVynSFVrr/j5sv8Aruf/AEW9WarXX/HzZf8AXc/+i3oAs1Wh/wCQld/7kX/s9WarQ/8AISu/9yL/ANnoAs0UUUAcR8SiRa6fg4O9/wCQrj30PVY5CkluyspIbc6jYR2Y54z2z17ZrsPiV/x7af8A77/yFctd6tFcTXzIsuLjUBcrkD7g38Hnr8wr67K+b6quVLd/ofL5ly/WHzPov1M57W6imiikR1klxsUnBOTj8ORWzJoyW1vE01lqkxMQkkkhxsU9xnaen1p0t4VgnvpoJELTSSWDSDBYOTnA7gdc8jPFVZp9Pu4bfzry+heOBYnRLZXXIHXPmD+Veg3KdtLLy/4H9XOFKMb63f8AXf8AqxD/AGXcTwWz2QklaWBppAWA2ASFM59OmT2+lOttOERu21TzgtvCJVEMinfl1XhuQRyencYq5YXNvNps8MomCQae0cjKBnm5VgQO/wB4ccZ5GR1qIa0tpC8WnyXClLMW8U+3YxPneYSQCdvBI6np78F5tuKXX8PULQVpN9Px9Cs9h9qijm0zztjuU2TuM5AyWzwMep7cetR/2VqJuPJSIu+wv8kgYbR1OQccd/Sn2+pyvePJqU08wkhaEyH52UEdQCRnHpkVOdRtoLU2tv58iLbSRLI8YQlmYNyATgcepq2qkXypL+vMj3JK7f8AXoVNT0+fS5ooppFYyRLJ8jhsZGccE1S3t/eP51av7hbtoHRWVkgSJgRxlRjIPfIGf85qrg+hrenH3VzLUxnL3nyvQN7f3j+dG9v7x/OjB9DRg+hrTlj2I5pdw3t/eP50b2/vH86MH0NGD6Gjlj2Dml3De394/nRvb+8fzowfQ0YPoaOWPYOaXcN7f3j+dG9v7x/OjB9DSYPoaOWPYOaXcXe394/nRvb+8fzowfQ0YPoaOWPYOaXcN7f3j+dG9v7x/OjB9DRg+ho5Y9g5pdw3t/eP51qeGiX8TWCv8wMwyDzmsrB9DWr4YB/4SjT+P+WwrDERj7GenR/kbUJS9rHXqvzPWlhtkg3vHEqqMklRgCpooICyOkUfUEEKPWqOoaWmrWK2880qRE5dYzjf7H2q1p1kthBHBE7tGpAUMc7RnpX50feFjvRR3ooArXn+stf+vhf5GrNVrz/WWv8A18L/ACNWaACq2n/8eQ/66zf+jXqzVbT/APjyH/XWb/0a9AFmiiigCg19pmkw6lf61LBb20dzEjTzAbULiNFyew3MBnoM80yDxV4WuJY4o7mESSHBR7ZkaM9hICoMZb+EPgt/DmodS0mbW9PvLO3MYYapZXDeaTtKRSwSsOAeSqED3x061DeeFruSTVpfMtlF3r1nqaszEYhhW2DBuPvfuHwOnI5GTgA0tR1jSbPw0usR/Z2guIg9qxi4lLLlB0yM8VzvhrxJJrItZ5NY8KXKNbi4ns7CNpLhF25IAEjHIz/dqPSNGGtzX7abeR3ehwLcf2TKv+qaWdTvKuCS6oS/zcg+Zgcpitnw5beJNOg0+yvtC0WGC3hSGW5t9TkeTCrjIQ265zjpuH1oAq6X8QPC+oaTZ3cqmCe6gE4sxZySShCzLu2qmSuVI3AY6eozJPf6lqfieaw8Nf2L9jh061vRPcQNL5vnPOo2lGAxiEHvndWJo2ma/wCHvFgsdMt9NvpLPRLeBluJ3h8xPPn2uHCPtOBym09fvcc6Gk/DLTobu3Gv2lhq8NnoljpsDzwBmDwGbe20g7QwkToT0OegyAX7bxXpMVmf7XhSO6ine3dbS1edZWTG50CKzbMkAk/dbKk5HLtY8ZeGNH043LyQzyNaPdQwRQs7youc4CqSMEYOR8vfFS6ho2oWGs2Oo+GrKwmW1snsRZz3DWyIjMjBlZY36eWBt2jrnPGDm2Hga6gheG4uYMS6RPZM6gkpJLKzkgHGVG7GcgnHQUAdPpUtlq2k2uoQWqrHcxLKqvFtIBGcEEA/pVv7Jb/8+8X/AHwKh0mCe10e0t7pY1mhhWNxG5ZcgY4JA9PSrdAEX2S3/wCfeL/vgUfZLf8A594v++BUtFAEX2S3/wCfeL/vgUfZLf8A594v++BUtFAEX2S3/wCfeL/vgUfZLf8A594v++BUtFAEX2S3/wCfeL/vgUfZLf8A594v++BUtFAEX2S3/wCfeL/vgUfZLf8A594v++BUtFAEX2S3/wCfeL/vgUfZLf8A594v++BUtFAEX2S3/wCfeL/vgVWvrW3FvxBGOR/AKvVWv/8Aj2/4EKAM9orWPbvjhXccDKgZPpU0UMUbEpGinaeQoHpWXqOgwapdRT3M837rmNFbCqfX61qwoY49pYuQuNx6npQAtFFFAFYf8hf/ALdz/wChCrNVh/yF/wDt3P8A6EKs0AecfEH/AJJ54h/68J//AEA0UfEH/knniH/rwn/9ANFddbZHFS+OXy/U6mw/4+G/65P/AOgmtDQ/+Re07/r1i/8AQBWfYf8AHw3/AFyf/wBBNaGh/wDIvad/16xf+gCs6/xG9H4SWX/kKW3/AFzk/wDZas1Wl/5Clt/1zk/9lqzWBsFR23/IdX/r2b/0JakqO2/5Dq/9ezf+hLQBq0UUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAEdx/x7Sf7prPj+4K0Lj/j2k/3TWfH9wUASJ99fqKSlT76/UUlABVTVf8AkD3v/Xu//oJq3VTVf+QPe/8AXu//AKCaALj/AH2+tJSv99vrSUAVrf8A4/rz/eT/ANBqzVa3/wCP68/3k/8AQas0AFeZeJZGg8X6g/lSOskDRDYucFo8f1r02jSOt9/18n/0BK68JiPq1TntfSxzYmh7eHJex5Aly77US1nLGy+ygBOrE9fpVi+ubqyeArast75iTXIZScun3QR27kgY647V7RRXp/2wr39n+P8AwDzv7Ldre0/D/gnhgaC28y4s4bxriWN4/LliASMOpVvmBy3BIHA9e2DYa/jNtMwtLo3M0MMRBXCL5ZT8TkJntjpz1r2uim84Td3T/H/gCWVNaKf4f8E8Uu9ZvzGF02S/tQ00krhGZAS5BxwecciqtuyS2JtdQS7T98ZhJFFvLEgAggkenWvdaKaziMVaNO3z/wCADyqUnd1Pw/4J4pJq0jXlvdLZS74dQa82EHBB2YXP/AD271DMLR9LS3hF9GybmK/Zxtlfc21mO7I+UgY5xzjqc+40UlnCVuWna3n/AMDzB5U3e8/w/wCCeG2CTDS5FSBzJBOlztKn5lGQQPzz9KsC+gtzNLbW15JNNcRznzECqNrFivGfXr+le1UUPOFJtun+P/ABZU0laf4f8E8TjvY7GRZLKC6mZruK5cSxBANhJ2ggnOdx546U+G9tLaOCCO0vZIo/tPmMyhWfzYlQY67cY9/Xvge00Unm8XvT/Hyt27DWVyW0/wAPn3PERdR28AtraC6kiWKZQ8kW1i0igdATwMeverFzqcl5bOkMM4nnjWIxLZRjsB/rMbz09q9moo/teLd/Z6+v/AD+y5Wt7T8P+CeEaxFI14kaRu3kQpCWVTglVwSPaqH2af8A54yf98Gvoaito564xS9n+P8AwDKWTKTb5/w/4J88/Zp/+eMn/fBo+zT/APPGT/vg19DUVX9vP/n3+P8AwCf7FX8/4f8ABPnn7NP/AM8ZP++DR9mn/wCeMn/fBr6Goo/t5/8APv8AH/gB/Yq/n/D/AIJ88/Zp/wDnjJ/3waPs0/8Azxk/74NfQ1FH9vP/AJ9/j/wA/sVfz/h/wTyv4eRSR3N95iMuVTG4Y7mvQhVi/wD9Sv8AvCq4rw8XiPrNZ1bWuexhaH1ekqd72HL/ABf7v9RSUq/xf7v9RSVynSFVrr/j5sv+u5/9FvVmq11/x82X/Xc/+i3oAs1Wh/5CV3/uRf8As9WarQ/8hK7/ANyL/wBnoAs0UUUARRf8h63/AOvab/0KOtasmL/kPW//AF7Tf+hR1rUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABTJf9S/0p9Ml/1L/SgDNi/1YqVfvL9R/Ooov9WKlX7y/UfzoATvRR3ooArXn+stf+vhf5GrNVrz/WWv/Xwv8jVmgAqtp/8Ax5D/AK6zf+jXqzVbT/8AjyH/AF1m/wDRr0AWaKKKAKD6zY6Ba6nqOrTi3tI7qFHlIJClxGi5x23MOe3Wmw+O9DmnWHzriOXeI5UltpENu7Y2LKCP3bPkbQ2C2RjOaralZx6na3dmbuC3kXU7K5zK2MrDJDKR+IjIHuagu9GhlbVJP7Us1W71y01RcyfdSFbYMp9z9nbH1FVyyeyJ5orqa2peKLK18Lx6xBLuS6iDWmUY72ZcqCOo984x3xXOeFfFl3rP2SZ/Fmi37Nbi4n0+y01/OxtyVU+e3IJx9059Kg0iysdXudRuLPUYm0gLP/ZfmEKqyTqfNYA84BLcnr5jegrY0CfXdPt7Cxv7jQGtLaJIXeG5cyEKuMgEYzx60ckuwc0e5Fo/xL0vUtLspZra+jvrq2F19hhs5ZZAhZl3ABclcqecdx6ii58QajqnieS10LXdJstPXS7S+imubQzmfznnGVIlQbQIVPf71Yek2mp6D4qNnpF/pcy2mj28AN05VJVE85U7lzhgMZHI+brwM6ukeC9BsrqE6o+l6rDbaPZabAbqON2UwGbc3zZA3CVen936Uckuwc0e5oWfjWGO02ajFPcXayyRD+zrWScXCpgGZFUEhMsFOeA2VycAk1f4haNpmnmaF5ry4eykvILeCF3aRUyDnaDtwwwc/d70anbPDrFnqXh260pZLa0ezFvcy7I1jZkbK7M4I2AYxjBqhYeF7a2heGbV7UpNpU1jIVcZDyyM5Yc9BuIH0o5Jdg5o9yWXxLrkiWOp28EENjdPbJDYzQsbi68zbvYHcDHsDMSChyIyeM8dpXDafZ6vp+tpcm90O6hWGGBTLcOHgjVVDhBjHzEFvfgHgCux/tCy/wCfuD/v6v8AjRyS7BzR7liiq/8AaFl/z9wf9/V/xo/tCy/5+4P+/q/40ckuwc0e5Yoqv/aFl/z9wf8Af1f8aP7Qsv8An7g/7+r/AI0ckuwc0e5Yoqv/AGhZf8/cH/f1f8aP7Qsv+fuD/v6v+NHJLsHNHuWKKr/2hZf8/cH/AH9X/Gj+0LL/AJ+4P+/q/wCNHJLsHNHuWKKr/wBoWX/P3B/39X/Gj+0LL/n7g/7+r/jRyS7BzR7liiq/9oWX/P3B/wB/V/xo/tCy/wCfuD/v6v8AjRyS7BzR7liq1/8A8e3/AAIUv9oWX/P3B/39X/Gobq6t54CsE8chBBIRwcflRyyW6Dmi+pGO1OXv/u/4U0dqcvf/AHf8KkoSiiigCsP+Qv8A9u5/9CFWarD/AJC//buf/QhVmgDzj4g/8k88Q/8AXhP/AOgGij4g/wDJPPEP/XhP/wCgGiuutsjipfHL5fqdTYf8fDf9cn/9BNaGh/8AIvad/wBesX/oArPsP+Phv+uT/wDoJrQ0P/kXtO/69Yv/AEAVnX+I3o/CSy/8hS2/65yf+y1ZqtL/AMhS2/65yf8AstWawNgqO2/5Dq/9ezf+hLUlR23/ACHV/wCvZv8A0JaANWiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAjuP+PaT/AHTWfH9wVoXH/HtJ/ums+P7goAkT76/UUlKn31+opKACqmq/8ge9/wCvd/8A0E1bqpqv/IHvf+vd/wD0E0AXH++31pKV/vt9aSgCtb/8f15/vJ/6DVmq1v8A8f15/vJ/6DVmgAo0jrff9fJ/9ASijSOt9/18n/0BKANGiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAq3/wDqV/3hVcVYv/8AUr/vCq4oAcv8X+7/AFFJSr/F/u/1FJQAVWuv+Pmy/wCu5/8ARb1Zqtdf8fNl/wBdz/6LegCzVaH/AJCV3/uRf+z1ZqtD/wAhK7/3Iv8A2egCzRRRQBFF/wAh63/69pv/AEKOtasmL/kPW/8A17Tf+hR1rUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABTJf9S/0p9Ml/wBS/wBKAM2L/VipV+8v1H86ii/1YqVfvL9R/OgBO9FHeigCtef6y1/6+F/kas1WvP8AWWv/AF8L/I1ZoAKraf8A8eQ/66zf+jXqzVbT/wDjyH/XWb/0a9AFmiiigDzLxhZy3/jSS3t9vmGEMNzYGFTcefoDWK2h3Cx71lgdWQyRlX/1ijO5hx0GDnOOhxmul8S298fF9xc2en3N2n2doSYY2YAvEV6gHpuzisqK01hRbr/Yd8fJs5bX/UOM7zId3TjHmfpX2mCqyjhoKLW3l5/8A+SxdNPETbT3/wAv+CZlvpcr6o1rKFAhb94c4BGex9+3rV/VbGG1M0Y06GBfM8tJvte8rz1Kgn+VXbvT9ZtoraFtJunuFKG4eKFm3BD8q7gCD74yOF9DVW90ma5aaWHQNZSaRiwLAsoJOenlg/rXSq3PJSctPX/gr9Tn9lyxaS19P+A/0K974ea2uZ9t5bi3jlMQlkcjLAA4wBnv6VLBpZg0wNJpMt5ci7lhlCM/7vYqYHy+7N+VaNxY3d5pge90LUWeS7eRkiRlZTsQZGVPyk56jt161SvoNevYiP7Iv4na6muWKQSAEyBOMY7bP1qY1ZzSTkvPX/JlSpxi21H00/zRSn0gGUuk0VtEAu8Tsf3TnP7vIBycDP8APmltfD881wFuJYoIxOsLOz9zgjA75Bqxa6ZqK2kttfaJqcsTyCXMUTK24AjqVPHJqeaLWpWDrod6GW5Wdc27kfKoUA8e1W6svhUl66f5kKnHdxf4lOCwtWku7Ux+YYBIWuRJ0wCV2r3zgA8cZNY1dHHZX0UstxH4f1IXDCQIxjfbhwQdw28kBjjBHasz+wNZ/wCgTff+Az/4VrTqxu+aX4r/ADM6lOVlaP4GfRWh/YGs/wDQJvv/AAGf/Cj+wNZ/6BN9/wCAz/4Vt7an/MvvMvZVP5X9xn0Vof2BrP8A0Cb7/wABn/wo/sDWf+gTff8AgM/+FHtqf8y+8PZVP5X9xn0Vof2BrP8A0Cb7/wABn/wo/sDWf+gTff8AgM/+FHtqf8y+8PZVP5X9xn0Vof2BrP8A0Cb7/wABn/wo/sDWf+gTff8AgM/+FHtqf8y+8PZVP5X9xn0Vof2BrP8A0Cb7/wABn/wo/sDWf+gTff8AgM/+FHtqf8y+8PZVP5X9xn0Vof2BrP8A0Cb7/wABn/wo/sDWf+gTff8AgM/+FHtqf8y+8PZVP5X9xn11/wAO/wDkK3n/AF7j/wBDWsD+wNZ/6BN9/wCAz/4V1HgXTL+y1K6e9sri3RoAA0sTICdw45FcGY1IPCTSa2OzAU5rEwbT3PQB2py9/wDd/wAKaO1OXv8A7v8AhXwp9mJRRRQBWH/IX/7dz/6EKs1WH/IX/wC3c/8AoQqzQB5x8Qf+SeeIf+vCf/0A0UfEH/knniH/AK8J/wD0A0V11tkcVL45fL9TqbD/AI+G/wCuT/8AoJrQ0P8A5F7Tv+vWL/0AVn2H/Hw3/XJ//QTWhof/ACL2nf8AXrF/6AKzr/Eb0fhJZf8AkKW3/XOT/wBlqzVaX/kKW3/XOT/2WrNYGwVHbf8AIdX/AK9m/wDQlqSo7b/kOr/17N/6EtAGrRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAR3H/HtJ/ums+P7grQuP8Aj2k/3TWfH9wUASJ99fqKSlT76/UUlABVTVf+QPe/9e7/APoJq3VTVf8AkD3v/Xu//oJoAuP99vrSUr/fb60lAFa3/wCP68/3k/8AQas1Wt/+P68/3k/9BqzQAUaR1vv+vk/+gJRRpHW+/wCvk/8AoCUAaNFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBVv8A/Ur/ALwquKsX/wDqV/3hVcUAOX+L/d/qKSlX+L/d/qKSgAqtdf8AHzZf9dz/AOi3qzVa6/4+bL/ruf8A0W9AFmq0P/ISu/8Aci/9nqzVaH/kJXf+5F/7PQBZooooAii/5D1v/wBe03/oUda1ZMX/ACHrf/r2m/8AQo61qACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigApkv+pf6U+mS/6l/pQBmxf6sVKv3l+o/nUUX+rFSr95fqP50AJ3oo70UAVrz/AFlr/wBfC/yNWarXn+stf+vhf5GrNABVbT/+PIf9dZv/AEa9Waraf/x5D/rrN/6NegCzRRRQAmlf8fOof9dl/wDRa1pVm6V/x86h/wBdl/8ARa1pUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABVa//AOPb/gQqzVa//wCPb/gQoArDtTl7/wC7/hTR2py9/wDd/wAKAEooooArD/kL/wDbuf8A0IVZqsP+Qv8A9u5/9CFWaAPOPiD/AMk88Q/9eE//AKAaKPiD/wAk88Q/9eE//oBorrrbI4qXxy+X6nU2H/Hw3/XJ/wD0E1oaH/yL2nf9esX/AKAKz7D/AI+G/wCuT/8AoJrQ0P8A5F7Tv+vWL/0AVnX+I3o/CSy/8hS2/wCucn/stWarS/8AIUtv+ucn/stWawNgqO2/5Dq/9ezf+hLUlR23/IdX/r2b/wBCWgDVooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAI7j/j2k/3TWfH9wVoXH/HtJ/ums+P7goAkT76/UUlKn31+opKACqmq/wDIHvf+vd//AEE1bqpqv/IHvf8Ar3f/ANBNAFx/vt9aSlf77fWkoArW/wDx/Xn+8n/oNWarW/8Ax/Xn+8n/AKDVmgAo0jrff9fJ/wDQEoo0jrff9fJ/9ASgDRooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAKt//AKlf94VXFWL/AP1K/wC8KrigBy/xf7v9RSUq/wAX+7/UUlABVa6/4+bL/ruf/Rb1Zqtdf8fNl/13P/ot6ALNVof+Qld/7kX/ALPVmq0P/ISu/wDci/8AZ6ALNFFFAEUX/Iet/wDr2m/9CjrWrJi/5D1v/wBe03/oUda1ABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUyX/Uv9KfTJf9S/0oAzYv9WKlX7y/UfzqKL/VipV+8v1H86AE70Ud6KAK15/rLX/r4X+RqzVa8/1lr/18L/I1ZoAKraf/AMeQ/wCus3/o16s1W0//AI8h/wBdZv8A0a9AFmiiigBNK/4+dQ/67L/6LWtKs3Sv+PnUP+uy/wDota0qACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAqtf8A/Ht/wIVZqtf/APHt/wACFAFYdqcvf/d/wpo7U5e/+7/hQAlFFFAFYf8AIX/7dz/6EKs1WH/IX/7dz/6EKs0AecfEH/knniH/AK8J/wD0A0UfEH/knniH/rwn/wDQDRXXW2RxUvjl8v1OpsP+Phv+uT/+gmtDQ/8AkXtO/wCvWL/0AVn2H/Hw3/XJ/wD0E1oaH/yL2nf9esX/AKAKzr/Eb0fhJZf+Qpbf9c5P/Zas1Wl/5Clt/wBc5P8A2WrNYGwVHbf8h1f+vZv/AEJakqO2/wCQ6v8A17N/6EtAGrRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAR3H/AB7Sf7prPj+4K0Lj/j2k/wB01nx/cFAEiffX6ikpU++v1FJQAVU1X/kD3v8A17v/AOgmrdVNV/5A97/17v8A+gmgC4/32+tJSv8Afb60lAFa3/4/rz/eT/0GrNVrf/j+vP8AeT/0GrNABRpHW+/6+T/6AlFGkdb7/r5P/oCUAaNFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBVv/APUr/vCq4qxf/wCpX/eFVxQA5f4v93+opKVf4v8Ad/qKSgAqtdf8fNl/13P/AKLerNVrr/j5sv8Aruf/AEW9AFmq0P8AyErv/ci/9nqzVaH/AJCV3/uRf+z0AWaKKKAIov8AkPW//XtN/wChR1rVkxf8h63/AOvab/0KOtagAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKZL/qX+lPpkv8AqX+lAGbF/qxUq/eX6j+dRRf6sVKv3l+o/nQAneijvRQBWvP9Za/9fC/yNWarXn+stf8Ar4X+RqzQAVW0/wD48h/11m/9GvVmq2n/APHkP+us3/o16ALNFFFACaV/x86h/wBdl/8ARa1pVm6V/wAfOof9dl/9FrWlQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFVr//AI9v+BCrNVr/AP49v+BCgCsO1OXv/u/4U0dqcvf/AHf8KAEooooArD/kL/8Abuf/AEIVZqsP+Qv/ANu5/wDQhVmgDzj4g/8AJPPEP/XhP/6AaKPiD/yTzxD/ANeE/wD6AaK662yOKl8cvl+p1Nh/x8N/1yf/ANBNaGh/8i9p3/XrF/6AKz7D/j4b/rk//oJrQ0P/AJF7Tv8Ar1i/9AFZ1/iN6Pwksv8AyFLb/rnJ/wCy1ZqtL/yFLb/rnJ/7LVmsDYKjtv8AkOr/ANezf+hLUlR23/IdX/r2b/0JaANWiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAjuP+PaT/dNZ8f3BWhcf8e0n+6az4/uCgCRPvr9RSUqffX6ikoAKqar/wAge9/693/9BNW6qar/AMge9/693/8AQTQBcf77fWkpX++31pKAK1v/AMf15/vJ/wCg1Zqtb/8AH9ef7yf+g1ZoAKNI633/AF8n/wBASijSOt9/18n/ANASgDRooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAKt//qV/3hVcVYv/APUr/vCq4oAcv8X+7/UUlKv8X+7/AFFJQAVWuv8Aj5sv+u5/9FvVmq11/wAfNl/13P8A6LegCzVaH/kJXf8AuRf+z1ZqtD/yErv/AHIv/Z6ALNFFFAEUX/Iet/8Ar2m/9CjrWrJi/wCQ9b/9e03/AKFHWtQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFMl/wBS/wBKfTJf9S/0oAzYv9WKlX7y/UfzqKL/AFYqVfvL9R/OgBO9FHeigCtef6y1/wCvhf5GrNVrz/WWv/Xwv8jVmgAqtp//AB5D/rrN/wCjXqzVbT/+PIf9dZv/AEa9AFmiiigBNK/4+dQ/67L/AOi1rSrN0r/j51D/AK7L/wCi1rSoAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACq1/8A8e3/AAIVZqtf/wDHt/wIUAVh2py9/wDd/wAKaO1OXv8A7v8AhQAlFFFAFYf8hf8A7dz/AOhCrNVh/wAhf/t3P/oQqzQB5x8Qf+SeeIf+vCf/ANANFHxB/wCSeeIf+vCf/wBANFddbZHFS+OXy/U6mw/4+G/65P8A+gmtDQ/+Re07/r1i/wDQBWfYf8fDf9cn/wDQTWhof/Ivad/16xf+gCs6/wARvR+Ell/5Clt/1zk/9lqzVaX/AJClt/1zk/8AZas1gbBUdt/yHV/69m/9CWpKjtv+Q6v/AF7N/wChLQBq0UUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAEdx/x7Sf7prPj+4K0Lj/j2k/3TXP6nqp0m1jm+xz3KMcMYdvyemckUAaiffX6ikqHT7lruFJngkg3EYSTGf0JqagAqpqv/ACB73/r3f/0E1bqpqv8AyB73/r3f/wBBNAFx/vt9aSlf77fWkoArW/8Ax/Xn+8n/AKDVmq1v/wAf15/vJ/6DVmgAo0jrff8AXyf/AEBKKNI633/Xyf8A0BKANGiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAq3/+pX/eFVxVi/8A9Sv+8KrigBy/xf7v9RSUq/xf7v8AUUlABVa6/wCPmy/67n/0W9WarXX/AB82X/Xc/wDot6ALNVof+Qld/wC5F/7PVmq0P/ISu/8Aci/9noAs0UUUARRf8h63/wCvab/0KOtasmL/AJD1v/17Tf8AoUda1ABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUyX/AFL/AEp9Ml/1L/SgDNi/1YqVfvL9R/Ooov8AVipV+8v1H86AE70Ud6KAK15/rLX/AK+F/kas1WvP9Za/9fC/yNWaACq2n/8AHkP+us3/AKNerNVtP/48h/11m/8ARr0AWaKKKAE0r/j51D/rsv8A6LWtKs3Sv+PnUP8Arsv/AKLWtKgAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKrX/wDx7f8AAhVmq1//AMe3/AhQBWHanL3/AN3/AApo7U5e/wDu/wCFACUUUUAVh/yF/wDt3P8A6EKs1WH/ACF/+3c/+hCrNAHnHxB/5J54h/68J/8A0A0UfEH/AJJ54h/68J//AEA0V11tkcVL45fL9TqbD/j4b/rk/wD6Ca0ND/5F7Tv+vWL/ANAFZ9h/x8N/1yf/ANBNaGh/8i9p3/XrF/6AKzr/ABG9H4SWX/kKW3/XOT/2WrNVpf8AkKW3/XOT/wBlqzWBsFNt0b+2BLj5BAy7vfcOKdRQBobh6j86Nw9R+dZ9FAGhuHqPzo3D1H51n0UAaG4eo/OjcPUfnWfRQBobh6j86Nw9R+dZMl3bROUluIkYdVZwCKb/AGhZ/wDP3B/38FAGxuHqPzo3D1H51j/2hZ/8/cH/AH8FH9oWf/P3B/38FAGxuHqPzo3D1H51j/2hZ/8AP3B/38FH9oWf/P3B/wB/BQBsbh6j86Nw9R+dY/8AaFn/AM/cH/fwUf2hZ/8AP3B/38FAGxuHqPzo3D1H51j/ANoWf/P3B/38FH9oWf8Az9wf9/BQBsbh6j86Nw9R+dY/9oWf/P3B/wB/BR/aFn/z9wf9/BQBsbh6j86Nw9R+dY/9oWf/AD9wf9/BR/aFn/z9wf8AfwUAbG4eo/OjcPUfnWP/AGhZ/wDP3B/38FH9oWf/AD9wf9/BQBqzndA4UgkqcCqflZj2smQRggiq39oWf/P3B/38FH9oWf8Az9wf9/BQBbVcMuFI5FMpkcscyboZFkXOMq2Rmn0AFVNV/wCQPe/9e7/+gmrdVNV/5A97/wBe7/8AoJoAuP8Afb60lK/32+tJQBWt/wDj+vP95P8A0GrNVrf/AI/rz/eT/wBBqzQAUaR1vv8Ar5P/AKAlFLYhbXzyzZ82XzBgdPlAx+lAGhRUP2mP3/Kj7TH7/lQBNRUP2mP3/Kj7TH7/AJUATUVD9pj9/wAqPtMfv+VAE1FQ/aY/f8qPtMfv+VAE1FQ/aY/f8qPtMfv+VAE1FQ/aY/f8qPtMfv8AlQBNRUP2mP3/ACo+0x+/5UATUVD9pj9/yo+0x+/5UATUVD9pj9/yo+0x+/5UATUVD9pj9/yo+0x+/wCVAE1FQ/aY/f8AKj7TH7/lQBHf/wCqX/erA1BNbGox/YJ4BavwweLLIfrnpW/PIkqqASMHPIqLj+9+lADYgwjxIdzbOTjGTkUU7Iwec8Y6e9NoAKrXX/HzZf8AXc/+i3qzVa6/4+bL/ruf/Rb0AWarQ/8AISu/9yL/ANnqzVaH/kJXf+5F/wCz0AWaKKKAIov+Q9b/APXtN/6FHWtWTF/yHrf/AK9pv/Qo61qACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigApkv+pf6U+mS/6l/pQBmxf6sVKv3l+o/nUUR/dipUPzL9R/OgBO9FHeigCtef6y1/6+F/kas1WvP9Za/wDXwv8AI1ZoAKraf/x5D/rrN/6NerNVtP8A+PIf9dZv/Rr0AWaKKKAE0r/j51D/AK7L/wCi1rSrN0r/AI+dQ/67L/6LWtKgAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKrX/8Ax7f8CFWarX//AB7f8CFAFYdqcvf/AHf8KzbvXNP0+5W3u7jy5WGQuxjkfgK0IZFmj8yM5VlyCRj0oAWiiigCsP8AkL/9u5/9CFWarD/kL/8Abuf/AEIVZoA84+IP/JPPEP8A14T/APoBoo+IP/JPPEP/AF4T/wDoBorrrbI4qXxy+X6nU2H/AB8N/wBcn/8AQTWhof8AyL2nf9esX/oArPsP+Phv+uT/APoJrQ0P/kXtO/69Yv8A0AVnX+I3o/CSy/8AIUtv+ucn/stWarS/8hS2/wCucn/stWawNgrD8ReKLfw3cacLyCR4LyVo3lQj9wFQtuI7jjtz7GtysTWdMmv9e0SYQrLbW0kxuNxGArQso4PXJOKALEmtRQ6/Jp0yrGkdl9se4dwFVdxUg+mMZzmnWfiDRtRtGutP1exurdJFiaaC5R0V2ICqWBxklgAOpyPWuPvfCOtLf6pFb+VPYtYpFZFnG5VEwcw4bkEKCFbPGRyuBjPl8IXl7JerHoOpR2l6LGKSDVtSW7YiG7EkmS00nylGOFB52tkDIyAehW+vaRdm0FrqtlOb3f8AZRHcI32jZ9/Zg/Nt74zjvQuvaQ+sNpKarZNqS/esxcIZhxnlM7unPTpXMXXha6a81u5t7GIS3mvabcxyAoGe2gFruyeuFKTYU++B83Ofp/hfWotWitLxtWks4dVe+VhLZLZ4M7TLghDcEjcBg4y2RkLg0AehQTw3MIltpUmjJIDxsGBwcHke4IqSo7eRpYQ8kDwMSf3blSRz/skjnr171JQBztlpOn6r421salZw3Qigttnmru25D5x+Q/Ktr/hEPD3/AEBrP/v0K47XtOk1XUdbs4Y55PMu9FLi3ZlcRi7VnYMpDLhQx3AggDORimt4RS1ur57HSZIRBr9tDZLCjKtvZMsHnCFRxHGxabfsADc7s4oA6298N+GrCwuLubRrUx28TSuFhBJCjJx+VFn4a8N3tjBdQ6NaiOeNZFDQjOGGRn865ObT9Q1CzuvDM0TSW2gW8rRshBNxlCLZcDkFQSOpzs+b71Vx4Zudl7qJ025/tGFtLW0kKvujAWFZTGP4Tt3qxHOMgnHFAGok3h6Wa5+z+Bb2e0tbiW3lvIraBkBjco7BRJ5jAFTwELHHAJwK6K38MeGLu2iubXTNPngmQSRyxorK6kZDAjggjnNYmg+F9Smi1JrnXta0+3n1W9c2MKwRo0bXDnhzF5qhlOdyuCM5UjjGLrmg20M+u2sfh+R9WZkTw7dQaczrZxC3iSNY51UrbhZVlIG5duS3AbJAOxvPD/hWwWE3el2cYnmWCP8AcZ3Oxwo4HerH/CIeHv8AoDWf/foVxWo+DIL3UdQ1S+0T7ZNH4jhnV5oTKRbqkW4xqc8Eg52D5tvOccenUAY3/CIeHv8AoDWf/foUf8Ih4e/6A1n/AN+hWzRQBjf8Ih4e/wCgNZ/9+hR/wiHh7/oDWf8A36FbNFAGN/wiHh7/AKA1n/36FH/CIeHv+gNZ/wDfoVs0UAY3/CIeHv8AoDWf/foUf8Ih4e/6A1n/AN+hWzRQBjf8Ih4e/wCgNZ/9+hR/wiHh7/oDWf8A36FbNFAGZFZ29hD9nsoUghRztjQYAyAadUk3+sf/AH/6Co6ACqmq/wDIHvf+vd//AEE1bqpqv/IHvf8Ar3f/ANBNAFx/vt9aSlf77fWkoArW/wDx/Xn+8n/oNWarW/8Ax/Xn+8n/AKDVmgAoorB/4SmJPGz+Hp7Z4z5EckNzuBV3bzDsI6g7YiQeh6cHAIBvUVhxeKrCO31C41aeDToLO9a082eYBXICnOTjGd3T2qzL4l0SCxivZtWso7WZDJFM06hXUEAkHPIG4fmKANOiqcGr6ddXU9tbX1vLNbKrTRpKC0YYZBYdgRVay8UaFqVvcT6frFlcxWwDTPFOrCMHuxB46UAatFFFAGCni61l3GDT9UmVWK74rJ3UkHB5HHWnf8JTF/0CdZ/8F8n+FU/D3ibTNB0G0ttQll+03c921vBBbvNJMEl+YKqAkkbwcDnGT0BxsweOvDt0y/ZtQEqSNGsMyRsY597rGDG+NrqHdVZlJCkgNigCl/wlMX/QJ1n/AMF8n+FH/CUxf9AnWf8AwXyf4VoeIPE0OkTQWEAWTUrtkS3jcEICzhAzEdACRwOTVT+3NR8P3y2/iq6srqKa3muEubK0eDyliUM4ZGkkJ4OQQfbHegCL/hKYv+gTrP8A4L5P8KP+Epi/6BOs/wDgvk/wqbxH450/QLRZFiuLyYm0byYIJGIjuJvLV/lU+jcdSQF6sKzLXX/EV1ZX+rHV9Bgs7S9vIhZz2UiOY4J5IwGm84hSwjzu8s4z904oAu/8JTF/0CdZ/wDBfJ/hR/wlMX/QJ1n/AMF8n+FWk8caSPKFzHfWzMiNP5llKUtGZQ2yaRVKRsAwyGbjI9RVXU/iJpVjqsOn2sdzfXB1BbC4EFtKwt2Iz8zKhGemBkZGT2NAB/wlMX/QJ1n/AMF8n+FH/CUxf9AnWf8AwXyf4VLpWr663iOGx1iOz23NvJcNb28Z32AVgFWSTewk35OCFT7h4PbqKAOS/wCEpi/6BOs/+C+T/Cj/AISmL/oE6z/4L5P8K62igDkv+Epi/wCgTrP/AIL5P8KP+Epi/wCgTrP/AIL5P8K62igDkv8AhKYv+gTrP/gvk/wo/wCEpi/6BOs/+C+T/CutooA5L/hKYv8AoE6z/wCC+T/Cj/hKYv8AoE6z/wCC+T/CutooAzUbdGrFSu5Q209RkZwaWj+FP9xf5CigAqtdf8fNl/13P/ot6s1Wuv8Aj5sv+u5/9FvQBZqtD/yErv8A3Iv/AGerNVof+Qld/wC5F/7PQBZooooAii/5D1v/ANe03/oUda1ZyBUuFmCgyKpQE54BIJ/kPyqb7U/ov5UAW6Kqfan9F/Kj7U/ov5UAW6Kqfan9F/Kj7U/ov5UAW6Kqfan9F/Kj7U/ov5UAW6Kqfan9F/Kj7U/ov5UAW6Kqfan9F/Kj7U/ov5UAW6Kqfan9F/Kj7U/ov5UAW6Kqfan9F/Kj7U/ov5UAW6Kqfan9F/Kj7U/ov5UAW6Kqfan9F/Kj7U/ov5UAW6Kqfan9F/Kj7U/ov5UAW6ZL/qX+lV/tT+i/lQbl2UghcGgDI1LRoNXsFhuQQV+ZGBwVNWdO0+HTbdIYFwoIyfU1ZBA6IPzP+NKGAIO0ce5/xoAb3ooooArXn+stf+vhf5GrNVrz/WWv/Xwv8jVmgAqtp/8Ax5D/AK6zf+jXqzVbT/8AjyH/AF1m/wDRr0AWaKKKAE0r/j51D/rsv/ota0qzw7KMBiB7Gl8x/wC+350AX6KoeY/99vzo8x/77fnQBfoqh5j/AN9vzo8x/wC+350AX6KoeY/99vzo8x/77fnQBfoqh5j/AN9vzo8x/wC+350AX6KoeY/99vzo8x/77fnQBfoqh5j/AN9vzo8x/wC+350AX6KoeY/99vzo8x/77fnQBfoqh5j/AN9vzo8x/wC+350AX6KoeY/99vzo8x/77fnQBfoqh5j/AN9vzo8x/wC+350AX6r3ozAAf7wqDzH/AL7fnR5j/wB9vzoArzWltctG0yI7RnKk9qnXAyFI+72/Cl8x/wC8350hdiMFiR9aAEooooArD/kL/wDbuf8A0IVZqsP+Qv8A9u5/9CFWaAPOPiD/AMk88Q/9eE//AKAaKPiD/wAk88Q/9eE//oBorrrbI4qXxy+X6nU2H/Hw3/XJ/wD0E1oaH/yL2nf9esX/AKAKz7D/AI+G/wCuT/8AoJrQ0P8A5F7Tv+vWL/0AVnX+I3o/CSy/8hS2/wCucn/stWarS/8AIUtv+ucn/stWawNgooooAKKKKACiiigAooooAy9GR4fGGtzyqyxSRWyo5HDEB8gfTI/OugaWF0ZWfhhg4JFVAxHQmjc3qfzoAXTbPT9Isxa2C+XHuLHc7OzMepZmJZj7kk8Crfnxf3xVPc3qfzo3N6n86ALnnxf3xR58X98VT3N6n86Nzep/OgC558X98UefF/fFU9zep/Ojc3qfzoAuefF/fFHnxf3xVPc3qfzo3N6n86ALnnxf3xR58X98VT3N6n86Nzep/OgC558X98UefF/fFU9zep/Ojc3qfzoAuefF/fFHnxf3xVPc3qfzo3N6n86ALnnxf3xR58X98VT3N6n86Nzep/OgB0pDMxHILcH8BTKUknqc0lABVTVf+QPe/wDXu/8A6Cat1U1X/kD3v/Xu/wD6CaALj/fb60lK/wB9vrSUAVrf/j+vP95P/Qas1Wt/+P68/wB5P/Qas0AFc7N4ea+8Qa1LeIBbXlraxwSBvmWSMyncMcggupBroqKAPOV8K63HZhtTtjqTrqM00sdpdeRJOrRqquJAVK8qSVBHXHNWPDfhO8s9a06e707yre0mvp08+cTvEZzGV+YkksAHUnP44Nd9RQB5wvgPUH8J6bpEUVvaOvhm+02dgRtS4nEGCcdclHJI/rWnoOl6vBrEurajb6pNLDaPBDHf3lu7NuZGIURKAPuDJY+mO9dpRQAUUUUAcz4O0qWeXTNWWRBFaJqNuyHO5jLPGwI9h5Rz9RUJ8LW+jeHdGj8RXUBsdN8Oto10Ru/eO/2dQVxzjMR9DyK6Hw5aS6Po62kxR382SQlW4G5y2P1rV+0/7I/76oA5DSvC9/faD9s1a4b+2pZ4bhJZkAx5PEQdR68sRwQZCO1W7nw5qniHzX8RvZ2rraT2tuti7SAecm1nYsq5wAMDH410n2n/AGR/31R9p/2R/wB9UAcW3gzW72S7n1C7sVkNtYx2sUIcqrWtwZlDMRkhjjJA4yeDjnU0LwPpOnGW6v8AStMuNSfUbq9F59lQyDzLh5U+cjdlVZRntjiug+0/7I/76o+0/wCyP++qAOU1Pwtq9y2sWFrJZf2brVwJ55pHcTQnYiEKgUq3EYPLDqfSrDeFLnbK6zw+aNb/ALUiBztIwBsY44OM9M9q6P7T/sj/AL6o+0/7I/76oAwPCum6/pbSRawmmyrKWkmvIJpGmnkzwWUoABjjAOBgAcV01Qfaf9kf99Ufaf8AZH/fVAE9FQfaf9kf99Ufaf8AZH/fVAE9FQfaf9kf99Ufaf8AZH/fVAE9FQfaf9kf99Ufaf8AZH/fVAE9FQfaf9kf99Ufaf8AZH/fVAFX+FP9xf5CilPAUdcKB+lJQAVWuv8Aj5sv+u5/9FvVmq11/wAfNl/13P8A6LegCzVaH/kJXf8AuRf+z1ZqtD/yErv/AHIv/Z6ALNFFFABRVTVdSt9G0e81O9LC2soHuJSgydiKWOB3OBUMmu2EenWt8svm291NHBE8YzlpHCAEdvmODnkc0AaNFFFABRRRQAyWWOCFpZnCRoMszHgCs/8A4SPRv+gnbf8AfwUniX/kWdQ/64N/KptNg0FbCwgmi00XMkMYEbrHvZigOMdScc0ARf8ACR6N/wBBO2/7+Cj/AISPRv8AoJ23/fwVft7bw/dhDaw6bMJN2zy0jbdtOGxjrgkA+max9YvLSz1210jSPDlnqd3NDNNIoeKIQiMwgg5B5PnocenNAFn/AISPRv8AoJ23/fwUf8JHo3/QTtv+/gqGO4tYLjTrfWPDdpYzX80saqDHIqBIjJuJAHXaRVq6uPDcNhf3FvBpt29jbtcSQwiNmChd3IHTNAEf/CR6N/0E7b/v4KP+Ej0b/oJ23/fwVn2mpRCK1utZ8JWunWFyY1W5EkUu1pCAgZQoIBJAz6kVuQJ4bubyW0tl0qa5hz5kEYjZ0wcHKjkYJxQBT/4SPRv+gnbf9/BR/wAJHo3/AEE7b/v4KWO/8KTa/Do0C6bNezW7XKJGkbZQbfTuQ4I9Rk1rf2Npn/QOtP8Avwv+FAGR/wAJHo3/AEE7b/v4KP8AhI9G/wCgnbf9/BWv/Y2mf9A60/78L/hR/Y2mf9A60/78L/hQBkf8JHo3/QTtv+/go/4SPRv+gnbf9/BWv/Y2mf8AQOtP+/C/4Uf2Npn/AEDrT/vwv+FAGR/wkejf9BO2/wC/go/4SPRv+gnbf9/BWv8A2Npn/QOtP+/C/wCFH9jaZ/0DrT/vwv8AhQBkf8JHo3/QTtv+/go/4SPRv+gnbf8AfwVr/wBjaZ/0DrT/AL8L/hR/Y2mf9A60/wC/C/4UAZcWvaVNKscOoW7u5wqq4JJrQp7aXYQjzIbG2jdSCrJCoI59cU0/eP1oASiiigCtef6y1/6+F/kas1WvP9Za/wDXwv8AI1ZoAKraf/x5D/rrN/6NerNVtP8A+PIf9dZv/Rr0AWaKKKACimPLHGyLI6qZG2oGONxwTgepwCfwNBljEyxF1EjKWVM8kDAJx6DI/MUAPooooAKKKKACis7X3aPw9fPGxVlgYhgcEHFVdO8H2l1pdpPLf6lvlhR2xdHqVBNAG3RWb/whNj/z/an/AOBZrK1jTfDegzW8Wq6xqkMlyrtEizSSM4TaGOFU8Dev5igDp6K53TdE0DVrdZrHV9TZHkMa+ZcPGWYDJADAE8c1cn8IaZa20lxcajqSRRIXdjdnCqBknp6UAa1FcjpsXhPV7qO3sNc1N5JRmMPJLGH4zwWUA8dq3P8AhCbH/n+1P/wLNAGlRWNceFdHtFY3OrX0QWNpTvvcYRcZb6DI59xVfStD0HW4Xl0zVtSmWNtrg3Doyn3VgCPyoA6Gis3/AIQmx/5/tT/8CzR/whNj/wA/2p/+BZoA0qKzf+EJsf8An+1P/wACzR/whNj/AM/2p/8AgWaANKis3/hCbH/n+1P/AMCzR/whNj/z/an/AOBZoA0qKzf+EJsf+f7U/wDwLNH/AAhNj/z/AGp/+BZoA0qKzk8I2VpIs6XeoSNGwIWS5JU89xWk33j9aAEooooArD/kL/8Abuf/AEIVZqsP+Qv/ANu5/wDQhVmgDzj4g/8AJPPEP/XhP/6AaKPiD/yTzxD/ANeE/wD6AaK662yOKl8cvl+p1Nh/x8N/1yf/ANBNaGh/8i9p3/XrF/6AKz7D/j4b/rk//oJrQ0P/AJF7Tv8Ar1i/9AFZ1/iN6Pwksv8AyFLb/rnJ/wCy1ZqtL/yFLb/rnJ/7LVmsDYK5m51HxBd+KL/TdGk02CGzggkLXcEkjOZN/wDddQANn6101cxcWXiKx8V6hqOj2OmXlvewQR4utQkt3Ro9+eFhcEHeO46UAT2/i6zj05pNV3Q3ENw9rJFBE8xeRMbiioCxXkHOOM81G/jnSRrGn2Su5jvbae4Ny0bokIi27g5K4Q8tncRt289RWbf+Dbuazhd7fT9Vka6lurvT72Ro7aR5ABwdjn5McZU5yenSqtl4E1O2sxDbPZaWdl/FGLORiLYXQVtyfKuTG6gAfLuHzZUjbQB1ml+I9M1i4eCylmEyrv8ALuLaWBmXOCyiRV3AEjJGcblz1GcnxLqHibS54ZdPm0k2txeQ20aT20hdPMYLkkSAHBOegrK07wCh1yK51Dwt4dsrP7NJa3FvaSmYXCu0cgdgYEGVaFQFOf8AWMcjaA3Raj4djbS9OsNGgtrO3s76C4ESrsRUSQOwUAdTz+JoAt6ReXErXFnqVzaz39sVMwtYnjVVYZXhiecA96zx488Ns+yPUvMKhS/lwSMIlIyGchfkXH8TYHB54NZ/imAah4hgstHvUXUZ4TbX0KAOyWrcl2GflHBA6E54PFZsmkapdar4t0fRobD7DdxxWUjXErxyW6taqu9cKwkwD907OR97ngA6y98VaPp96bW6unDqAZHSCR44sjI8yRVKJwQTuIwCCeDmtSKdJnlVN2Yn2NuQrzgHgkcjBHIyOo6g1wWseAr681PUxEEubPVdgmaTV7q2WICFIWBt4vlmGE3cuhbdtyAA1d7E0xeXzo40UPiIo5YsuByRgbTnIwM8AHPOAASUUUUAcxpGg2uualrUt9LdZhvmjQR3DIAuxT0B9Sau23hXQLye7htrm9eSzmEE6i7kGxyivjrz8rqePWueuboWv2sXd7JYaXL4hKaldJO1v5UP2VipMqkGMGVYhkEZJC/xYOdp99aRDUCdbvE8Pz+JCl1qUty8B8gabEYibgbW2GRYlWTd+8G3LPvywB3X/CDaT/z0vv8AwMk/xqv/AMIroB1I6f8Aab37UIROY/tcn3Cduc5x1FYNhrxsZ7G7fVZn8PRancRQ3ktw0sc0Jtx5eZSSZcylgpJJLDA6AViadqWn3epaXd+KtdvtOt59IYmd7qS03t9pk2iSYbWQgdFLLnpg44AO5XwroDalJp63N6bqOFZ3j+1ycIxZVOc45KN+VWP+EG0n/npff+Bkn+NcLNqOuJptzfkyDUm0HTPtDyMYCEa8lErM4UmMCMsS4GVGWHIrpPh1eT3dxqhjv7S705Uh8kWusT6oqS5k8zNxLGvJXyv3YJ243EDeNwBrf8INpP8Az0vv/AyT/Gj/AIQbSf8Anpff+Bkn+NdHRQBzn/CDaT/z0vv/AAMk/wAaP+EG0n/npff+Bkn+NdHRQBzn/CDaT/z0vv8AwMk/xqObwRpaoNst8CTjP2t/8a6eorj7i/71AHK/8Idpn/PfUP8AwLeqM2kW2keKNBW0kumFxcuHE1wzghYyRwffB/CqHjjSPiHdaxYy+BfEkNlZyuI7uC4tYn8gd5FJQlv93PXHOM4176GW38QeFIri4e6lSaRXnkVVaQiI5YhQACfYAUAdJRRRQAVU1X/kD3v/AF7v/wCgmrdVNV/5A97/ANe7/wDoJoAuP99vrSUr/fb60lAFa3/4/rz/AHk/9BqzVa3/AOP68/3k/wDQas0AFFFcz4qha91nw9YNdXkEFzdSiYWl1Jbs4WCRgC0bA4yAcZ7UAdNRXHSagfCOp3lnHJc3lnHp/wBsRLu6aWQSeYE2iSQlsHI4JJ/ujsci8+IWtXOl3UVlpCWWqW81o2J2uI42ilnEfBmtkbJOVOEIAOQ2RtoA9IoriJ/iFNbeIVtJdGkNgb1LE3cXnyESNIIgcrCYceYwBzMGAzlQ48ur18+n+KtPuJ4X12zeyiYrxe6bkkEjg7N/3ffHtmgDqaK4rw20eiaP4evZpdRujq9vDHcXF3qU06xyPGGXCOzD5m4yMY+lWbrxletrw0vRtGW9MkssMU8l2IY90SqXLfKWABbbkBiTjAIJIAOsorib/wCIsdjaWazRadaXtxLcxONR1L7PbK1u4jkCzeWxYlmG0bBkBiduMHd8Oa8fEelW2o2sUP2WXzkeSO48weZHIYz5ZC4eMlXIf5SRtO35jtANmiiigDnbQ69q+o6ktjqNtbQ2lyYVWS23k/KDnOR61c/sfxP/ANBuy/8AAM//ABVY9tql5YXt9a6YYEutS1z7LHNcRmSOH/RzIWKBlLcREY3L97OeMGvpeq65aavrFhv09NV1HxILT7T5bywR7NLhl3+VuVvmWLGzf8pf7z7fmAOg/sfxP/0G7L/wDP8A8VR/Y/if/oN2X/gGf/iqraf4p1JtatdKvltJJl1KaxuZ4Y2jWTZbCcMiFm2feCkFm6E98DG07Vde1/xVZ3WmS6daTzaVL5klxFJKihLplG2MOpYkDrvGPQ9KAOi/sfxP/wBBuy/8Az/8VR/Y/if/AKDdl/4Bn/4quXbxlNFNceIxbASzaLYgRKryhGku5ItwRfmfBbO0ctjaDk5rp/CHiDU9XvL+11OKSRLeOKSO8OkXOnLIXLgxiOcliV2AlgcHzAMDGSAL/Y/if/oN2X/gGf8A4qj+x/E//Qbsv/AM/wDxVdPRQBzH9j+J/wDoN2X/AIBn/wCKo/sfxP8A9Buy/wDAM/8AxVdPRQBzH9j+J/8AoN2X/gGf/iqZJpXiiNQRrVkSTj/jzI/9mrqqiuPuL/vCgDlfsHij/oM2H/gKf8agM2uWGuaXbX+o208V5OYysVvtIAUseSfYCsnxz468ReEtWsbfTPBkmu21+4ihnt73YRKf4GXyzt9c5xgHpg1r373Mmt+FXvoI7e5adzLFHL5io3lHIDYG7HrgUAdJRRRQAVWuv+Pmy/67n/0W9WarXX/HzZf9dz/6LegCzVaH/kJXf+5F/wCz1ZqtD/yErv8A3Iv/AGegCzRRRQBg+OoJbn4d+IoLaJ5ppdLuUjjjUszsYmAAA5JJ7Vi+JNLvrC+0+HSraSfS7rVbe4mjjG77NL9pR2cDsjfOW64bB4yxruKKAPJYbKa38U2+o+bqUeprqRN5brp7sgg3kf6/YdwK7TgMeuO2Be0Pwv5p0BL63vWS7ium1ESu+JNrDy0kz/CMkhTXplFAHkN1Bqc9vo0uvQiWA6RAAL7Trm7IuNz+Z8sJBRtvl5LdeMdDXovhuFrfS7KK+aaXVI9Otku554yrSEKRljkru3byQGOM+4J2aKAMvxL/AMizqH/XBv5VzN34Sn1Kx1i5GmrNLeQ6clvISu5o0CeYAc8cbs9M11WuwS3WgXsFujSSyRMqIo5JNamnN5Gl2sMqurxworDYTghQDQBxeo6VL4fvNX8QQW626WF9DNaImAJ4GgijmiVRySxGVXjdIietUb3wrLHquj6hrvh2fXpJra9l1EWhRvLupntioG90JRUiMankhUUGvQri00+8u7a6urNJri0LNbyyQFmiJGCVJHGR6VZ89PR/+/bf4UAcNqNjJPpmlSafodzpVnp/2zfBceWDGrW0gDYV2GCzY65rF0nRr3UfCulxaf4ffTvs+iTRyPuj2XTS24CBGBy3PJ3BcZr1GR4pY2jlRnRwVZWjJBB6jpSQmC3gjhgiMcUahERIiAqgYAAxwKAMDQvB1tY21hLeXGo3U0ESEQ3l480cbhcZCkkZHIB7VgaFouoxr4YsJNFmtLnRWJvtQfyxHdgWssJCMrF2zJIjfMo4Uk4IAr0Hz09H/wC/bf4Ueeno/wD37b/CgDhfB/hKTQW8JzNpccDW2hGzu9gXdFOwiYlj3GUcZBPLDscjvqj89PR/+/bf4Ueeno//AH7b/CgCSio/PT0f/v23+FHnp6P/AN+2/wAKAJKKj89PR/8Av23+FHnp6P8A9+2/woAkoqPz09H/AO/bf4Ueeno//ftv8KAJKKj89PR/+/bf4Ueeno//AH7b/CgAn/1J+o/nVM/eP1qzLKHjKqHySP4D6/Sqx+8frQAlFFFAFa8/1lr/ANfC/wAjVmq15/rLX/r4X+RqzQAVW0//AI8h/wBdZv8A0a9Waraf/wAeQ/66zf8Ao16ALNFFFAHI+PdOXVpPDli8skHnaqwWaI4eJvsdyVdf9pWAYe4FY2peJprTxVLLeqkOo6Pod+Zwqlkf57VllRSQSjD34ZXXJ2k16FLbQTyQvPCkjwP5kTMoJjbaV3D0O1mGfQmmyWVrNci4lt4nmETQiRkBYIxBZc+hKjI9hQB51ca/4y0OHU7bVZYDcDTzdWszMku1hKiYIWNBj5++T7ir11rHiHTbnUvO1OKePSprYMPsyqZ/OZQVJHRV3cY545Jrpbbwh4cs42S10LToUY5ZY7ZACcY9PStCXTbKYzGa0hc3BQy7owfMK/dJ9cYGPSgDhD4n8Qy6xPPbw3n2SHVvsOwx2y2hjE4iLF2YS7sEnA6tgAEHFegQRyRxkSzNMxdmDMoGAWJC8egIHrxzzVJvD2jPrA1Z9Ks21FeRdmBfNHGPvYz04q7Bbw20ZS3iSJWdpCqLgFmYsx+pJJPuaAKPiL/kWtQ/64N/KuOvLrVY7fU7u01i8thp1rpwtYY2Hlq0gCsxU/e4PQ8Z5xXY+Iv+Rb1D/rg38q1NGVToNjkDm2izkdflFAHGx3uo6JrN9I+oXV3p2j3scNws8hc+TNFGzSE99jkHk4VC/oKyby/nbxZour6t4k/4RtdSs9RmgN0Yl8mIvZLHDiYEKxVQ7DqGL44r0XV9Hj1lEhuLqeO0JP2m2i2BLtT/AASEqW28dFIyMg5BxV5oYWVVaNGCjCgqDigDzvXZLa+bwxqVp4jbVFsru5R7+1uEEZkNvIVD+X8mclFA77sfxVk6frH2rw5Zm08QXWrXN5os76rFNMWMJFtlSYv+WWW4zgbvfNerzWkM1nLbFVSORSp2ADGRjP1qLTNNt9K0u2sbcbktoEgV3A3MqqFGSBycCgDl9G0bXNW0HSYdcvdPOnxxQTBLO2dJWKBWUF2c4GQM4AJ6dCRWR4c1hp77w5JHrk13rF9Ky6zpzXfmfZl+zyuxMGf3OJVjXOBjO3vivShgDAximrHGrl1RAx6sAMmgDynwtCY7rwh4g8Q6pqF6154YlmnknkZ0d2W3bYIwME7N7YAJbyyxyQTXV+ELmG98S6/dWl/HqsEn2fZfxMrI/wDrP3QKfKdmR7/Nz2rrNqYAwuF6DHShESNdsaqo9FGKAHUUZFGRQAUUZFGRQAUUZFGRQAUUZFGRQBHP/qW/D+dU2+8frVyc/uW/D+dU2+8frQAlFFFAFYf8hf8A7dz/AOhCrNVh/wAhf/t3P/oQqzQB5x8Qf+SeeIf+vCf/ANANFHxB/wCSeeIf+vCf/wBANFddbZHFS+OXy/U6mw/4+G/65P8A+gmtDQ/+Re07/r1i/wDQBWfYf8fDf9cn/wDQTWhof/Ivad/16xf+gCs6/wARvR+Ell/5Clt/1zk/9lqzVaX/AJClt/1zk/8AZas1gbBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAFDw5bzWM+rvcxMq3N80sRxncu1Rn8wa2/PX+6//fJrmZ/Fem291Nbt9oaSF9j+XAzAH6imf8Jfpn927/8AAZ/8KAOp89f7r/8AfJo89f7r/wDfJrlv+Ev0z+7d/wDgM/8AhR/wl+mf3bv/AMBn/wAKAOp89f7r/wDfJo89f7r/APfJrlv+Ev0z+7d/+Az/AOFH/CX6Z/du/wDwGf8AwoA6nz1/uv8A98mjz1/uv/3ya5b/AIS/TP7t3/4DP/hR/wAJfpn927/8Bn/woA6nz1/uv/3yaPPX+6//AHya5b/hL9M/u3f/AIDP/hR/wl+mf3bv/wABn/woA6nz1/uv/wB8mqeqXc8dkXsbOS7mDDbFkJn8TWF/wl+mf3bv/wABn/wo/wCEv0z+7d/+Az/4UAJ/afiP/oW2/wDApKgEWt6l4k0e4vNHNnBZzO7v56vwyFeg98VY/wCEv0z+7d/+Az/4Uf8ACX6Z/cu//AZ/8KAN2ikVtyK2CNyhsEcjIzS0AFVNV/5A97/17v8A+gmrdVNV/wCQPe/9e7/+gmgC4/32+tJSv99vrSUAVrf/AI/rz/eT/wBBqzVa3/4/rz/eT/0GrNABWVregrrT2cov7ywnspWlhmtCm4EoUIO9WBGGPatWigDCXwnaSWVzDqF1dajNcqEe7uWXzQoO5Qu1VUAEA4A5PXNVz4Kt5mmfUNV1K+mljWMyztEGARw8eNkajKONw46k5yOK6WigDmp/BVvM8irqupQ2kk/2r7JG0XlrPv8ANEoJjLbhLiTG7buGMbflrop4luLeSF87ZFKnHXBGKfRQBz2raQ6eFYNA06ze6iMKWqySSqogVQAsjdCcYBwoOT2xVG78HO134ehsbi4tYNNgnVrq2kCOrsEwcNkHJDcEEfpXX0UAc8fB9slvbCzv760u7dpW+3QtGZZDKweXcGQp8zKrHCjBHGBkVq2OnGxjhRby6mEaMG89wxlZmDF2OM5znAXCgMQAAABcooAKKKQkAEk4A6k0AYGj6VZ6u+vW+oxsyf2lvRklaJ0YRqNyOpDKcEjII4JHQmtKPwZ4eh0+azgszDHNcC6d4rmRJTNsWMyCUNvDlVAZgctls53NmwLu0X7s0A5z95aX7bbf894P++loAiPhPQ20xLFrZjEshl3m5k80uRgky7t7Ej5TljlflPHFV28CeGTHbJFYfZ/skRht3tbmWB4YyxYqrIwIBJ6A+3Srv222/wCe8H/fS0fbbb/nvB/30tACN4a0Ronj+xRBHtktSFYriNGLKBg8EMSwYYYHnOQKk0nQ9N0TzTYLKXmx5ktxcyXEjAZwu+RmbaMkhc4BZjjJOWfbbb/nvB/30tH222/57wf99LQBq71/vD86N6/3h+dZX222/wCe8H/fS0fbbb/nvB/30tAGrvX+8Pzo3r/eH51lfbbb/nvB/wB9LR9ttv8AnvB/30tAGrvX+8PzqlquoW2nWJubuUJEjDJ6/oKr/bbb/nvB/wB9LR9ttv8AnvB/30tAGL/wmuh/8/Tf9+m/wqhPrdjrHirQF0+VpDFcuXyhGAYz611P222/57wf99LSreW5YBJoSxPADLnNAElFFFABVa6/4+bL/ruf/Rb1Zqtdf8fNl/13P/ot6ALNVof+Qld/7kX/ALPVmq0P/ISu/wDci/8AZ6ALNFFFABRXMX0+t33jO60vTNUisLe10+3uDutBMXaSSdTyWGABEPzNLbeKha29zb6pHJcX1pe/YQtpFua6cRLLuVO3yPkjttbtigDpqKwT4v0/7FHMkN5JPJK0Is0gJnDqNzKU9gQT7GnXPiuzh8gQW17eSzRecIba3LOiZxlhxjkEfhQBuUVzMvjXTJpZbe1mnSSCe1SWT7MSq+c8QRTnH3vNA9vmPbmSDxtpdxdNFFHeGNLt7J7kwERLOshj8st6lgAPXcKAOiorj9F8d2+oWhvdQWawVIrh2t5YSMrHP5e7d69Bj1J9KvP420y3s7q41CG9sPsqJJJHc25VyjOEDBecjccUAdFRWXp2v22qL/o0NyHWbyZY5ItrQkrvBYdgVwQf9oetalACMwRCzdFGTWEPGmiHpcsR6iJv8K2rj/j1l/3D/KsXQPEOl6H4N0sapdrAZEbYu1mJ+Y84UE496AF/4TPRf+fh/wDvy3+FH/CZ6L/z8P8A9+W/wq9J4tsYNYmiuZ4ItOjsYLoXjP8AKTLK0YHpjKjn3rQ0rXdN1uOR9LulnETbXAUqVz04IBx79OD6UAYP/CZ6L/z8P/35b/Cj/hM9F/5+H/78t/hVnVvG2m2V7BY2dxFcXj30Fq8RJGN8ioxBxgkZzgHsfQ1fh8UaNcasdNhv42uwxXZtbBI7BsYJ9gaAMf8A4TPRf+fh/wDvy3+FJ/wmei/8/D/9+W/wrctfEmj3l5cW1tfxPLbAtKCSAAOpyeCB3IPFVYvGvhyWKWQarCiQlA7ShowN7hF+8BkbmUZ6DIz1oAzv+Ez0X/n4f/vy3+FH/CZ6L/z8P/35b/CtD/hL9HhhlnvNStY4DOIoSN24kwLNtIIzv2ktgdiO/FVr3x7o1vcadDBcrJ/aQm8qUhgqGNCx38ZH86AIP+Ez0X/n4f8A78t/hR/wmei/8/D/APflv8K05vFujWX2aO/1GFJp4kkGwMy4YcHIHAPvjipn8TaLHqw0xtRhF5vCeTnkMVDKD2GQwxnrnA5oAxf+Ez0X/n4f/vy3+FL/AMJnov8Az8P/AN+W/wAK66igDlbfxXpN3cxwW80jySNtVfKbk/lWzV2f/Un6j+dUz94/WgBKKKKAK15/rLX/AK+F/kas1WvP9Za/9fC/yNWaACq2n/8AHkP+us3/AKNerNVtP/48h/11m/8ARr0AWaKKKACisnU/FGjaNei01G9WG4MYlEYjZjtJIB+UHjKn8q0LO8t7+zjurOVZoJRlHXv/AIHtjtQBNRRRQAUVHPPHbR+ZM21dypnBPLEKOnuRUlACMqupV1DKeoYZBpeP7qf98ioUvLeScRRyq7srMNvIwp2nnpweMVNQAcf3U/75FHH91P8AvkUUUAHH91P++RTPPh/vQ/ktE/8Ax7yf7p/lXPeFfCui6h4ZtLq8shLPIGLuZHGfnI7GgDofPh/vQ/ktHnw/3ofyWs4eFfCpv2shZx/aViExi818hCSA3XpkEfhU/wDwhPh7/oGr/wB/X/xoAtefD/eh/JaPPh/vQ/ktZWo+G/CulwxS3enYWa4it12u5+eRwi/xdMsKt/8ACE+Hv+gav/f1/wDGgC158P8Aeh/JaPPh/vQ/ktVf+EJ8Pf8AQNX/AL+v/jR/whPh7/oGr/39f/GgC158P96H8lo8+H+9D+S1Ri8H+HZZJk/slk8p9mXdwH+UNlfm5HzYz6g+lR3PhfwraSwxTWKiWcsIYxI5aQqpYgc9cAmgDS8+H+9D+S0efD/eh/JapReDPDssKSf2Xs3qG2u7hhnsRu60/wD4Qnw9/wBA1f8Av6/+NAFrz4f70P5LR58P96H8lqr/AMIT4e/6Bq/9/X/xo/4Qnw9/0DV/7+v/AI0AWhPDkYaLPbAWn1TXwjodm63FvYKksbBlbexwc+hNXW+8frQAlFFFAFYf8hf/ALdz/wChCrNVh/yF/wDt3P8A6EKs0AecfEH/AJJ54h/68J//AEA0UfEH/knniH/rwn/9ANFddbZHFS+OXy/U6mw/4+G/65P/AOgmtDQ/+Re07/r1i/8AQBWfYf8AHw3/AFyf/wBBNaGh/wDIvad/16xf+gCs6/xG9H4SWX/kKW3/AFzk/wDZas1Wl/5Clt/1zk/9lqzWBsFc94ludR/tXRdP0u/Nh9tmlWWVYVkOFiZgAGGOoroaxNf0fUNQvNMvNJvba1ubCV3H2m3aZHDIUIwroR1z1oApJrk+gX11Y67eG+WG1W6S5ESo7Bn2CPavGS2MHjrzVhfGFmsF017Z3tjPbrGxtriNfMkEj7I9u1iPmf5Rkjnrgc1VvfB0ut6ffDxBeQXF7dwrBvgtzHCkauHC7CzEgsOctyOBioNM8DGw0/Uox/ZFvPexLF/oWmCOIqpJw6szM4OSCNw4PG0/NQBqP4qgisI5pNP1BLmW4+zR2DRKJnk2GTA+bafkBbO7GAR1GKryeNLNZorOSz1K3vJopZPKe2+aIJt3FjnbwHU9SD068VVtfBl3ZaZai0v7WG9s75r23VLRhaQloWhKLDv3BSrs2N/32LdDtq4nhzUJ7832q6nFPcPYz2hEVt5aL5jIQVG4nA2dCSSWPIGBQBAnjqxRBGltqN40NrDc3EsduoWON03B2OQBwCSBk+1R2vjP7b4km09oLi2gjvobe3mEalbkPA0uDk5A4JzgHGPU1m2nhbWU1DVdOtL9ILN7C0spXuLMss6rEUZoyGXDfiwGelbA8GiLWLa7t73EMNzDctG8eWZo4GgwGBAAKlT06g+vABZsPGFlf3VsiWl5Db3pIs7uWNRFdEIzgJhi3KIzDIHCnvxTNG8a2Gu28c1ha32J7QXlskkIRriP5dxQE9iyg5x14yOaq6Z4RvrNtItrrUreXTdEYtYxx2rJMT5Lwr5jlyrfJI2dqrlsHgZBm0zwrcaTDo/2a+jabStG/sxWkgJWRv3X7wgMDj9193P8XXigDpqKKKAOf8P3q2mq38TTRRm71t4VWRSTIfs+/auOhwhOTxgHvitK18c+G73Tp7+21WJ7SC2+1PNtYL5WAS6kj5gMgNjO08HB4rD0vS59R143EDRhNO8RPczByQSps3iwvHJ3Sr6cZrH1/wAKX2jfDOBZntv+JT4Qn02fYSQ0xWD5lGBlcwvycHkcc8AHcw+MNCnguZo78CO2UNIzxOoKk43LkDeuSPmXI5HPNQa14z03RdStLGQyTXFxeR2jpHG7eUXUspOFPYD8/Y1k6h4X1vXzePqgsLKQaebKD7NK8iy/vEfeQVXyx8gG3L43dTjlI/DGvXWqz6tqP9nx3DajbXkdtBK7KFjjaMoXKjJ+Yndt5xjA60AdDqnirRtGvvsV/dlboxrKLeKF5ZChJAbaik4ypGe3Geoy2+8WaLp/kedeGT7REJozbQyT5jP3XPlq2FPOCcA4OOhrDvm1eL4pXcuiWljduujWyyRXczQHBmnwVkVXxjHK7ecjkY5j0/wvrfhiK2j0eOx1Qf2LZ6VMbm5a12fZ/NxIuI5N27zjxxjb1OeADR8RfELQvD1nPI9yLu4igS4Fvbq0heN87XyoI2nB+bp09RWvqGv6dpdnDc3szok+PKVYXeR+M8IoLdOvHHeuVh8AXMOi6hpouoWE2j2WnQz7SCWgDgkr2Byvc9/Tnb1vT9VnvNJ1bToLWW8sRIHtJrlo428xQDiQIx4x/c59qAK2m+OtNuNJlv7ydREb6e2t/s0bzNKkbldwVAW6YycYGR61oT+LNFt7C2vHvGaK63eUIoJJJDt4bKKpYbTw2QNpIBwTiuQfwJrn2e1une3lvYby9laGz1CewRluHVgRKgZht2AbcEHOc8Vck8G6hb6Bp0Nja27XcMlw8m3VrmCRDNJ5jYugGdxu+8GUByFb5NoUgHR33izRdPaFZ7wv50YlQ28LzjYfusTGpCqexOAcHHQ1H/wl2kXN4trp+p20ky3KQSjazjLDIUEcAkEEc4xWdHpHiPSdSa8sU0/VprqwtrW6kuJmtQrw78yKixuCGMhO3K4xjJzxHD4S1BFzI9oZDrqai7RgqDGqKpAGDg5BwMnjvQBp2vjfw9eybbTUPO+VmDJBIVYqCSobbguMH5Ad3B4qHw14zsfEdjBfJNHbRz2kE4t5lZJI2lkdFBLAAhmXauByQeuRXOeDNL1nUdB8OCeKxj06xuWvUuIpG82TiRRGYiuB9/l9/OPujPFnTfAF/DDFbXV1bpFbW+lwRyR5YyfYrx58lSBt3qUHU7ST1xkgHXfwp/uL/IUUfwp/uL/IUUAFVNV/5A97/wBe7/8AoJq3VTVf+QPe/wDXu/8A6CaALj/fb60lK/32+tJQBWt/+P68/wB5P/Qas1Wt/wDj+vP95P8A0GrNABWdq+vafoSQNqczx/aHMcSxwvKzsAWICoCegJrRrlPF+p2Oka/4Yu9VvbextlvJg01zKsaAm3kAyzEDrQBu6XrNjrMLyafKziM7XV4mjdT2yrAEZ+nNXq8713V3vptU1zwjcxX0EOmCD7XayhozIZlLASLkcJklhnb7VT0jU7ufS9bex1y0+xR28REttrE+prG+8791wY/3QKYBwSUB34HWgD1CkZgiFm6KMnAzXmkGtJJ4dsvP1Wa30dtWMN9qCaq00KQ/ZndTHe4VinnCJSxIw5aPOMAzxTx3Wu2sWh+JNQvNLh0+8uFZbkyJM6NBtAlPMigs3zBjyWTOAVAB6FDKs8CSx52SKGXcpU4Iz0PI+hqN723SYReaGk3iMqgLFWIyN2Pu8DOTivKo9cjdZDrXiW8tJ10WymsomvGgSa4aFj97je7MB8mTnrtPWrlibqx8ZJNNc3kN3qN/ZNPFJM4EiG0cthCcBd4xwMArjtQB6hRXm3h3Vln1Dw+YNbmutcuZmGtaeb5pTbp5EjMWtyxEOJViGdq4JC/xYJ4Rup49N0BtY1u8lh1Xw0b6+uLq6K7XUW4DK2R5eFlYEjBPBYk80Aek1Xv/APkG3P8A1yb+RqxVe/8A+Qbc/wDXJv5GgDJ8M+FtEvPC+nXF1psMs0sCs7sDliR1rU/4Q3w9/wBAm3/I1xNvbac8elTeKtKuNS0o6RAtosenTXqxzh5DIdsSMUJUxckDOBjODirqMOv2HhO/g1HT9UvdT1HwlZ2ai3jadjdRi48/c65VSPNQ5JBfom4jFAHcW3hvwreSXMdtp1tI1rL5MwCn5H2q2PyZT+NWP+EN8Pf9Am3/ACNed6rothpXi8rf6LdNa3uuy3MsdpAzfaITZdSF/wBYA6yFkG5v9k7hnW05LnS7jTtSj03UBpMN7di1t4rWTekUiKIl8nAZAWDfeChepwDmgDph4b8KtqT2A062N0kSzNHtOQjEqD6dVP5VY/4Q3w9/0Cbf8jXJeANCkstasNTv9Jltrq40OOEyywnesiyuXRz/AAna0fXrjjODjM0y3guLqZrPTNQOvjxPM0V81vI6C1XUW84JOMpGnlCVTGWUsd2FO8FgD0D/AIQ3w9/0Cbf8jVebw34Vt7y3tZtOtlnut3koVPz7RlvyFcpb2AGqQAaXeL4nGtNJPfGxlANp9pZsfadvllfs+0bQ+cfLjIxSaF4RittS8N6xd6VK10l7e+fPNGzyRbnfyuuSqdx/CM54zQB1epeHPDGlaTd6hdaTD5FpA88mxSTtVSxwM9cCp4vCPhyaFJU0mDa6hhkHofxri/HenJcyeJ1v9G1LUL64syujPZ2skjIPIwwWVRtj+fdlWYFuQA24A5/iTR9UuNa1FZYilzNFEukz/wBhXF5PB/o6KDFOjrHARKHIEhXa3zEgHNAHo3/CG+Hv+gTb/kaP+EN8Pf8AQJt/yNczqFlJH8TEuI7Ge7mkuImV5LGUNFFtUMYrtW8tIhhmMTjcx8wdHWqEVjZCzvo7rQ9Sk8UlrrddxWMwLKWfZm4wEddhQbQxJ4GCRigDsf8AhE/D/wBqMP8AYkeNm7zdvy9cbeuc9+lTR+GNFsZo7m006GKaN1Kuo5HOK851rR5tJ8NlYrS/WI6PYrIVdlkeY3all8xiMSc9yCOORXU+Fra2i1zUJdD0650/R2t7ZfKntJLbdciSTzG2SAFjtMQLgEHGMnBwAdLRRRQAVWuv+Pmy/wCu5/8ARb1Zqtdf8fNl/wBdz/6LegCzVaH/AJCV3/uRf+z1ZqtD/wAhK7/3Iv8A2egCzRRRQBzl/pGtp4pn1bRLrT0W4sobaSO8hdiDG8rAgqw6+b+lZ+qeBDqNjHJNLbz6h9uN/N56N5Ekhh8nG1SGChAAOc5UE5ya7OigDjT4IkTw2lhCmmeZ9oaeSJrd/JJIA4w2/sOd3PfirKeHNX06a1utK1C3mu47NbSZr6NnVlDFgRtIOcsRz2ArqaKAOWfwldS29+txqCyy3mpWN80hix/x7mAsMD+95B+m72rL0LQNXvbNobu4ii01deur0RPAVnUpfySIFOcFGKq2SCcMcHpXe0UAcW3gF3S5ha+XyHt7iGLCfMPNnE+T2OGBHHbFS3fhTVNXNzcave2a3UkcMKfZYmCBEmEpyGYnJIx1rr6KAMmz0q4sta1K8imiZNQuo5XRlOVRYFjwDnruQHPpmtaiigCO4/49Zf8AcP8AKuEtvDmqXun6Pq2lefJtsXtnit9QNmw/eltxYK24dsYrvJlLwSKvJZSB+VReHIJdK8O2lldIPNiUhtjqRySfX3oA4XxD4Uu9I8Nny1tvKW10yyRZGaRfMW/DHcDyy/OO/PNdlodhqbeItQ1nV7WGye4tLezS3im83iJ5n37sDGfOxjHG3rzW006MMNGSOuCV/wAaX7SP7jf99L/jQBw7+Gde22emJaWLWdprf9pfbHmJd0a6acqqY+VgHIzk5wemeINI8E6pZ6vaxXXnS2dpfPdpM2puYiS7OMW+3gjdj7xHGa7/AO0j+43/AH0v+NH2kf3G/wC+l/xoA4ePwfq8q6pp58uysLiyuLVB9oM0eZBhWjjIBiAySQCc59qs6jpOveINLgsNQ0nT7WK3uLNyWuPOaVI7qGRwPlG0bIm4Ockr0xXX/aR/cb/vpf8AGj7SP7jf99L/AI0Aefa5pepWHi6yubeC1uZb3xG95bRTMQGVdM2EE4+VsxNg844PtVmbwjq9zHJeulvHdXF3dTva+bkRia3EIG/HONu7oOuK7czoSCYySpyCSvH60v2kf3G/76X/ABoA4d/DWu2enahp9paW1ymrafDaTTNc+X9mZYPKJ27TvHfqPSp5vB175eqiMW5kutS0y4jkzgmK3NsXzx/0yfA9x612P2kf3G/76X/Gj7SP7jf99L/jQBNRUP2kf3G/76X/ABo+0j+43/fS/wCNADp/9SfqP51TP3j9asSTb02hSMkcll9frVc/eNACUUUUAVrz/WWv/Xwv8jVmq15/rLX/AK+F/kas0AFVtP8A+PIf9dZv/Rr1Zqtp/wDx5D/rrN/6NegCzRRRQByM+saZpPxMvzquo2liJNItNhuZ1j34muM43EZ6j8657VNRvLWK8u9Ok8vStU18sLkXf2VGgFkgLrNghFM8Z5xhyeMhwT6VLbQTMGmhjkIGAXQGnNDE0XlNGhjAA2FRjj2oA82/tTUT4USW41eJLf7e6I41Mr5kWwED7ZsxkNk5xg/dzmrZ1aK9m05NZ1y60rT30/zY55LoWrSy+YVIL8BvlAPuOe9d6beEwiIxRmMdE2jH5USW8MqqssUbqvQMoOKAPOW1DUSdVvIdcvJ4bfUNMtrcEbAUle23sRgHLBiMe59ajstZlkmklXxBczasviGWzTTjLgC2+3tG2Iv4wsRY7+du3r8nHpnlpz8i8kE8dcdP5VR0vRrXSYXSEGRmuZ7jzJACwM0rysAcdAZCB7UAeZ6Zd6joOl3lpp15dSSQ22pzGKVzIySC9UKxB5B2Nu/4HnvV/UtVe1ttTh8M+Ip762FpE/2v7ULkwzGdUwG5A+Un5e9el+Wm4tsXJ6nHX/OKalvBGpWOGNFbkhVABoA5vQ5Hi1fUtNvdTnlSyvYlt2mm+eUvAHKk/wAQyzEL2x7V1FN8tN27Yuc5zjv0zTqAGT/8e8n+6f5V5jeQ3L6boTXCQvpYs5Ri4tbidPO844wsJ3A7c8nivTp/+PeT/dP8qqeDmWDwjYxzkRuFbKucEZckcGgDzbWtHudO09dSvY7172bS7OD7XCrRyuwvF3KPm+VtjIBk/wBa7fwdHbL4g1JtDguYNGNrbhVmjkjzc75fNOJACTs8rJHB49DXSajbWGq2Ztb1kkhLpIVEmPmRw68g/wB5Qas/aIf+esf/AH0KAPK7u0SW+txPZalJ4gXxIklxIkUmwWovsxF2+4UEXlYAyRgZxg4Zo1pqh8XQG5KxakupSPO62VwZmg8xsK0pPlbTHt6c4wMZr1f7RD/z1j/76FH2iH/nrH/30KAPM7GDUIdQ1mLS4rqXUGs7rFyYpYZVlwfL8wsfLkJJ+Up0xzUd3aaVc6EsHhq21a3vZJrJb2WCKeED/S4NxJcDLAbyCuQAGzgdfUPtEP8Az1j/AO+hR9oh/wCesf8A30KAPLNat0sNaW1vIb8aV/wkyxiK33kvbroy5AA5aMMrbgM5w3U0ybRRcNa6hBY3TWFrf3Q04mOQNFE9oAmEPzAGbd1HXnpXpt1bWF5dWVxcMjS2MxmgPmY2uY2jJ68/K7Dn1qz9oh/56x/99CgDyu4gX7BINdtr2S/Ok2w0ciCZyk3kc8qCFPmYzuxzVu40vUPtup6pKl82oQX+lpAdzEKpFus5UDg5BcMfQH0r0n7RD/z1j/76FH2iH/nrH/30KAJKKj+0Q/8APWP/AL6FH2iH/nrH/wB9CgAn/wBS34fzqm33j9aszTRNEQsiEnGAGHrVZvvH60AJRRRQBWH/ACF/+3c/+hCrNVh/yF/+3c/+hCrNAHnHxB/5J54h/wCvCf8A9ANFHxB/5J54h/68J/8A0A0V11tkcVL45fL9TqbD/j4b/rk//oJrQ0P/AJF7Tv8Ar1i/9AFZ9h/x8N/1yf8A9BNaGh/8i9p3/XrF/wCgCs6/xG9H4SWX/kKW3/XOT/2WrNVpf+Qpbf8AXOT/ANlqzWBsFFAGelLtP+TQAlFLtP8Ak0bT/k0AJRS7T/k0bT/k0AJRS7T/AJNG0/5NACUUu0/5NG0/5NACUUu0/wCTRtP+TQBR0Gzm02bU5JwpF3eNPGFYcLtUc/8AfNbH2n/YP/fS/wCNVdp/yaNp/wAmgC19p/2D/wB9L/jR9p/2D/30v+NVdp/yaNp/yaALX2n/AGD/AN9L/jR9p/2D/wB9L/jVXaf8mjaf8mgC19p/2D/30v8AjR9p/wBg/wDfS/41RWaN7iSFHVpYwC6g8rnOM/kak2n/ACaALX2n/YP/AH0v+NJ9p/2D/wB9L/jVbaf8mjaf8mgC19p/2D/30v8AjR9p/wBg/wDfS/41V2n/ACaNp/yaALX2n/YP/fS/40n2n/YP/fS/41W2n/JqITxG4eASKZUUOyA8gHOD+h/KgCUjAUeigH8qSiigAqpqv/IHvf8Ar3f/ANBNW6qar/yB73/r3f8A9BNAFx/vt9aSlf77fWkoArW//H9ef7yf+g1Zqtb/APH9ef7yf+g1ZoAKKKKACiiigAooooAp2+mQ22rXmoRs5mvFjWQEjaAgIGOP9o1coooAKKKKACoL7nTrnH/PJv5Gp6KAK3hYi38KabDP+7kS3UMjcFTjoRWt58X/AD0X86qb2/vH86N7f3j+dADri3sLq8tbqcK81mzPA28jYWUqTgHB4JHNWfPi/wCei/nVTe394/nRvb+8fzoAt+fF/wA9F/Oq1jb2GmwPDZBYo5JpJ2G8nLyOXc8nuzE+nPFN3t/eP50b2/vH86ALfnxf89F/Ojz4v+ei/nVTe394/nRvb+8fzoAt+fF/z0X86PPi/wCei/nVTe394/nRvb+8fzoAt+fF/wA9F/Ojz4v+ei/nVTe394/nRvb+8fzoAdf29hqdm1rfBZYWZHK7yOVYMpyDngqDU0ssboArgncvAPuKr72/vH86N7f3j+dADaKKKACq11/x82X/AF3P/ot6s1Wuv+Pmy/67n/0W9AFmq0P/ACErv/ci/wDZ6s1Wh/5CV3/uRf8As9AFmiiigAopdpxRtP8Ak0AJRS7T/k0bT/k0AJRS7T/k0bT/AJNACUUu0/5NG0/5NACUUu0/5NG0/wCTQAlFLtP+TRtP+TQAlFLtP+TRtP8Ak0AJRS7T/k0bT/k0AJRS7T/k0bT/AJNACUUu0/5NRvNHFNHFI6rJLnYueWwMmgB9FLtNG0/5NACUUu0/5NG0/wCTQAlFLtP+TRtP+TQAlFMlmjhkijldVeZisak8sQCSB+AJ/Cn0AVrz/WWv/Xwv8jVmq15/rLX/AK+F/kas0AFVtP8A+PIf9dZv/Rr1Zqtp/wDx5D/rrN/6NegCzRRSgE9KAEopdp/yaNp/yaAEopdp/wAmjaf8mgBKKXaf8mjaf8mgBKKXaf8AJo2n/JoASil2n/Jo2n/JoASneY/99vzpNp/yaNp/yaAF8x/77fnR5j/32/Ok2n/Jo2n/ACaAF8x/77fnR5j/AN9vzpNp/wAmjaf8mgBfMf8Avt+dHmP/AH2/Ok2n/Jo2n/JoAXzH/vt+dHmP/fb86iuJo7W3ee4dY4oxuZ2PAFSbTQAvmP8A32/OjzH/AL7fnSbT/k0bT/k0AL5j/wB9vzo8x/77fnSbT/k0bT/k0AL5j/32/Om0u0/5NRyzRwNGsrqjStsQE/eOCcD8AaAH0UUUAVh/yF/+3c/+hCrNVh/yF/8At3P/AKEKs0AecfEH/knniH/rwn/9ANFHxB/5J54h/wCvCf8A9ANFddbZHFS+OXy/U6mw/wCPhv8Ark//AKCa0ND/AORe07/r1i/9AFZ9h/x8N/1yf/0E1oaH/wAi9p3/AF6xf+gCs6/xG9H4SWX/AJClt/1zk/8AZas1Wl/5Clt/1zk/9lqzWBsB+63+6f5Um0eg/KlP3W/3T/KigBNo9B+VG0eg/KlooATaPQflRtHoPyqnq+qQaLpNxqN2HMMC7mCAZ9OpIAHqzEKBySACawdN+Iui6rptxdWYlklt5Y4TbRSQyu7yHEaho3aPLEEcsMY5xxQB1W0eg/KjaPQflXH2fjVzqWrC8s71BBJbwW9g8KrMZXViUB3bTnGc7tvvV/wzr1xrWq62k8M9vHZzxRx29xEEeLMSswOMhvmJ5BI9DQB0O0eg/KjaPQflXEaT8QoY/D+nvq8N5Pdf2TBqV9cQQDyoYnD7pWOQAAY2JUZYg/KrYONS68bWVrfX8BsNQeLTJRFe3axL5NvlEcMSWBYYccKGIwcgZGQDo9o9B+VG0eg/KsaXxRZRLKRDcSNHfjT9iKuWlKgjGSBjkc1gz+Lr66+Ff/CQMP7GuXkjVpJAhESmdUZ+Sy42knmgDt9o9B+VG0eg/KuHs/FNvY3Jmj8Vw+JNPjikmv5IxC32CJEZ/NJhUDBI27TlmzleFatSXxtbWVreS6tpeo6a1raSXghnSNnmijwHKeW7DgsowSPvDGecAHSbR6D8qNo9B+Vc7oPii41rxJqdg+lXVnb2sMMsUtwqqz793UBiRkKCAQCOc4PFdHQAm0eg/KjaPQflS0UAYOi8eLNdx/eg/wDQTW4FHPA6nt71iaL/AMjZr3+9B/6Ca3B3+p/nQAbR6D8qNo9B+VchP4za71XQ4dOtLyG1v78xLdSwqYrmIQysdpBJX5lU/MFJ7Z5q9ZeMba/mtgljewW9+GFhezKnlXR2NINoDlxlEZhuVeFOcHAIB0O0eg/KjaPQflXIaR40eTw5pMk1he6neyaXbXt89okQWHzEzube69SrnC5+6enGSDx6kmq6hEdPuZLWNbY2MkSpuu2mUsoXLjGQMjdt6HPagDr9o9B+VYOnDHjfW8f88Lb+T1d0jWo9XFwn2W4s7m2cJPbXIXfGSNy5KMynIIPBNU9O/wCR41v/AK4W38noA3qKKKACqmq/8ge9/wCvd/8A0E1bqpqv/IHvf+vd/wD0E0AXH++31pKV/vt9aSgCtb/8f15/vJ/6DVmq1v8A8f15/vJ/6DVmgAzgMR1Ckj8qMt/fag/db/db+VFABlv77UZb++1FFABlv77UZb++1UNT13SNF8r+2dUstP8AOz5X2u4SLfjGcbiM4yOnqKTU9c07SNkd9fWsFxMrG3glnVHnI7ICcseR0z1oA0Mt/fajLf32rAbxhpsOgWl/d3Ftb3N5ZC7gspbhVkl+TftUHlvTIFWLjXkg0SyvRAzz34jW2tg2N8jruC7ugAAJJ9AeCcAgGvlv77UZb++1YVr4hmhuntfEtrb6VN5D3SOt15sLRR4EjFyq7Su5c5GMMCCecTa34p0fw8kZ1W+ghMk0MIRpVVgZWKqSCR8vDHPojHsaANfLf32oy399qoRa7pE+oLYQapZSXjKWW3S4QyEAkEhQc4BBB+hqPUvEek6VpEupXd9bi2jieUMJV/eBPvbcnBOePqRQBp5b++1GW/vtWBqfiZotN0i50O2h1I6vOsVvuufLTBieTcXCt2jI4HenWviKSG4ktfEtvb6TOtu92rLdebC0KFQ7GQqu0qXXIIAwykE/NtAN3Lf32oy399qz7bX9HvLH7baatYz2nmeV58VyjR7/AO7uBxnkcVDoPibSfEsd2+i3kN0lpOYJGikVwSADkFSeDng/WgDWy399qMt/faiigDE8XTzQeGbh4ZnRsqMg44LDNbhJCjBxk9vpWB40/wCRWuP95P8A0IVvH7q/739KADLf32oy399qq6jqmn6Ra/adWvraxg3BfNuZljXJ6DLEDPFZtt4s0w6VLqGp3drplul7PZrJdXCojtHI6cMcDnYTj/CgDcy399qMt/fasoa9bvrVnZQFJYLuxlvkukkBQojRAYxwQRKDnPb3qrd+OfDdrodzqyazY3VpasqyvbXUcm1mOAMhsZPpntQBv5b++1Yvi+ea38H6lJDM6OICAwOCM8f1qz/wkOi/2lFp/wDa9h9tmUNFbfaU8xwRkELnJBHPFU/Gv/Il6n/1x/qKANxfuj6UtIv3R9KWgAqtdf8AHzZf9dz/AOi3qzVa6/4+bL/ruf8A0W9AFmq0P/ISu/8Aci/9nqzVaH/kJXf+5F/7PQBZooooAGALLkZ+T+ppNo9B+VKfvD/c/qao6zq1voekz6heB2hhGWCAZ/MkKo92IA6kgUAXdo9B+VG0eg/KuV074iaNqumTXVkss0sUyQfZYpIZXeR/uKGRzHk4PVxjHOOKhsfGjtfat9rs70GK5gtrWwMKrMZGi3lMlgp6Mc7tuBwaAOw2j0H5UbR6D8q5/wAL67ca3f64J4poEs7xIY4J4gjxfuI2ZTjg/MzcgkHsSMVzPgvXr3W9O0e7uvEWtS3Nxax3M9sdE8uBm8sOyCUwAbeoBDc8YJzQB6NtHoPyo2j0H5VjP4q06PR7HUWMnlXpARAoMicZbcoORswd2M7cH0qrH42tPJeW707ULOI20l1A8yxkXMaLuYptckfLg/Nt60AdHtHoPyo2j0H5Vxmp/EJYdINzpuk30tx51ptgmiVGeCeYRiUAuMA/MoDYO7GQBzW5cajcR+NtN05WAtrjTru4kQqMl45LdVOfYSv+ftQBr7R6D8qNo9B+VYd74kttN1K+hlNzPJCtsEto40+d5WdUVCSMsxXB3EAYHPWqF541e11TS4pdJvLe2uVuGu3uI1DW3lLuOcPzxzldwI6c5oA6vaPQflRtHoPyrm/+E3tYreee/wBN1CxSOzlvYvPWM/aIo1DOU2O3QFeG2/eHvh8fjXT2tLmaS1vYZIRA0dvNCFknWdzHAVBPG9wVAcqQR8wUc0AdDtHoPyo2j0H5VzcvjeztLWaTUNP1G0nhlgje0eJZJf3zFI2AjZgQSGHBz8p46Zq+LtcksLnQ45dbXw5b3rSefPP5IKkR7ghMmVBz6UAddtHoPyo2j0H5Vx2neLPsyyKL1/ElszpHaXtosW64mbcTCCu2NiApbcCAOh5q7L43s4LePztP1FLuS9+w/YRErzJMYWmVTtYrhkAO7dgbhuKgMQAdJtHoPyrC1AAeNdHwMfupv/Qad4R1658RaLLe3lhJYyJe3NuI5NuSsczoD8rNzhcHn7wbHGCW6j/yOuj/APXKb/0GgDdYAvyM8CjaPQflSn75+grkPGPjNtH0XXf7NtLyW406zkZ7uKFXitpvK3xhwTuPVDkKVAbkgA4AOu2j0H5UbR6D8q5++8YW2n3F0r2N7PbWBAvr2FU8q1JRZCGBcOcI6sdqtwwxk5ArQ+KpLe61OG5gnvp11RrWztbVEDsqwRyEZYqvG5jkmgDqdo9B+VG0eg/KuRn8eJHqunwjTrmO1lFz9uklVN1o0KhiGw5zgHJ27uCMVqaZ4mj1G/jtJtOvrCSeJprY3QjxcIuNxXY7YxuX72PvD3wAM1gAeLPDuBj97cf+iWrerB1n/kbPDn/XW4/9Emt6gCtef6y1/wCvhf5GrNVrz/WWv/Xwv8jVmgAqtp//AB5D/rrN/wCjXqzVbT/+PIf9dZv/AEa9AFmg8pz/AHh/Wig/c/4EP60AJtHoPyo2j0H5UtcpJ8RdEh8UjQpzJFcG4FsHeSIZkJwB5e/zcEkAHZg5DZ2kNQB1W0eg/KjaPQflXIal4zZrqwi020vEguNTjtBevCphmAkKyKCCWUghhllXkcE8ZLzxo0+oaTFptpeRW15qKwC7khUxXCAPuCkEleVH3guccZoA6/aPQflRtHoPyriPEmuXVt4zbTv7Y1HTrZdPinUWGl/ay7tJIp3YicqMIuOnet/R9Tj3x6dcXd1c3P2Rbxbm7gEBmjZmHC4XBTChhtG3emeWoA2No9B+VG0eg/KuaHji1mUtYaZqN8iIZZWgSMCKPcyrId7rlWCMyld2Vwe4pZPHWlpetAkN5LEiQyyXSQ/uo0lHyMSSDzkDABPPTHNAHSbR6D8qNo9B+Vc5omr3/ifStTUx3GjTQX0trFMEjZtqPjIBLqTgYOR64qjocOuz65q8d34nu5oNKvo4hH9ltx5yGCGUhiI88mQjjHGO9AHY7R6D8qNo9B+VcpZ+PNMvbe31M/b7Wyl06S+Rbi3Ch41MWXxy2QZNo7H5jyNpM6+N7OOa5h1HT9R06e2tvtLxXMS8oWCDDIzKSSQMA8d8UAdJtHoPyo2j0H5Vza+N7NJLuG+0/UbC5tYY5XguIl3N5j7EVWVirFmwODgZ5I5wS+N7Ozs7mXVNP1GwltmtxJbSRLJKVnl8qNwI2YMC+RgHd8p46ZAOk2j0H5UbR6D8q5LxdrstjDoBk1b/AIRyG/uilzPceTmIeRI4Ql9yA7lUcZ9jUOneKxaeaBqTeJbP5VhvbURZedmwIAU2xsT1zkbf4jyKAOz2j0H5UbR6D8q5uXxvZ29tuu9P1GG5Fylq1kYleZXdSyfcYrggdQeO+OaseE9fufEOn3dxeadLYNBfT2yxy7clUcqD8rMM8YPPUHHGDQA3xqAPCF9gD7q/+hCt5gC4yM/KP5msLxr/AMifff7q/wDoQreP3/8AgI/maAE2j0H5UbR6D8q5nxP4uGk2eqR2VneXE9laNJLcQRK6WzFCU3Ancc4z8qt74pG8Zw2lrumsb27S1t0l1C6gWPy7XMYclgzhjhTu+VW49+KAOn2j0H5UbR6D8q5ePxU1tqGsRXEc16yaolnp9rbIokkzZxTlQWKjgGVssRwMdcCop/HW3U9Lt4tLukSe6lt74ShN1oUhMuDhyCdpVvl3DbnvxQB1u0eg/KsHXQBr2gYGP9Kf/wBFmnaZ4rg1K8t4G0+9s1vEMlnNcLHsuVA3ZXa7EfKQfmC8e/FJr3/Ie0D/AK+n/wDRZoA3qKKKAKw/5C//AG7n/wBCFWarD/kL/wDbuf8A0IVZoA84+IP/ACTzxD/14T/+gGij4g/8k88Q/wDXhP8A+gGiuutsjipfHL5fqdTYf8fDf9cn/wDQTWhof/Ivad/16xf+gCs+w/4+G/65P/6Ca0ND/wCRe07/AK9Yv/QBWdf4jej8JLL/AMhS2/65yf8AstWarS/8hS2/65yf+y1ZrA2A/db/AHT/ACopGIEbknACHJP0pn2iH/ntH/30KAJKKj+0Q/8APaP/AL6FH2iH/ntH/wB9CgClruk/2zpRtVm8iRJoriKQpvUSRSLIm5cjcu5BkAgkZAI61gv4O1K5uLi8vdXs2vZWgdWg09o4leBy8RKGViRln3DcM5XBXBz1f2iH/ntH/wB9Cj7RD/z2j/76FAHK/wDCG6hJNdXt3rcc2pTXEFzFJ9i2wxPErKB5YfcyYY8F93+1WpoGh3elXepXeo6kL+51CVJXKW4hWMqgTaoyTt+XjJJ9Seta32iH/ntH/wB9Cj7RD/z2j/76FAHIxfD/AMrw7faX/aWftegRaN5vkfc2CYebjdznzvu5/h688Vx4Z1XVNR8UW73/ANk0vUdQAlhls9zSR/ZoFLwybl2kkMCWDjKjAGDntvtEP/PaP/voUfaIf+e0f/fQoA5q48H3EusrcRat5VkNRTUmtfswZnlAAIMm77uAMAAEHOSw4qc+FB/wiY0EXn7qOdJIpDFlgizLKFYZ5PGM8delb32iH/ntH/30KPtEP/PaP/voUAVdW0m31jQ7/SrjdHBf20ltK0WAwV1KkgkEZweMg1z994Q1LW4bz+3dXtZLiXT5rCB7OwaFI0lKF2ZWlcucxpjBXHzZzkY6r7RD/wA9o/8AvoUfaIf+e0f/AH0KAKUGlfZ/EN3qcc2ReQxxyxMvQxk7SDngYZsgg9uRjB0aj+0Q/wDPaP8A76FH2iH/AJ7R/wDfQoAkoqP7RD/z2j/76FH2iH/ntH/30KAMbRf+Rs17/eg/9BNbg7/U/wA6wtEYN4r10qQQWgwQf9lq2ftEIJBlQHJ/iHrQBy9p4Nv7a40iJtaRtN0e5M1rbJZ7XcbHTEshc7iN+QVVB1yDkYq+HvhvbaBqNtLCukCKzRlglg0hI7t8oUHmzlm3HaxJKqhY45Ayp7P7RD/z2j/76FH2iH/ntH/30KAOEm+F0DRaeFbSLuW20630+STVNIF1lYVIDRjzF8sncxIO8fd9Ob+q/D+21GKSMTwtGy25EN3ZrLEXgBCbkUqChBOUGOcYIAxXWfaIf+e0f/fQo+0Q/wDPaP8A76FAGP4W8Np4cs541XT0eeTe66dp62kIwMDCAsc4HJZj7YHFN07/AJHjW/8Arhbfyetr7RD/AM9o/wDvoViaYyv421soQw8i25Bz2egDfooooAKqar/yB73/AK93/wDQTVuqmq/8ge9/693/APQTQBcf77fWkpX++31pKAK1v/x/Xn+8n/oNWarW/wDx/Xn+8n/oNWaAA/db/db+VFB+63+638qKACiiigDjPFGi3Nz4iN4+l6nqNrJZxwxjSb8Wckbq8hYyN5sRdSHTaMtgh+F3HdlWXh7WdM0c2M+gDVDcaJa6WytPEIkeASoXkLHPlvvVhtVmx95VPFekUUAebt4e1i00G609tAXU21DRra02tPEIoJI4irCQsc9SMFFbp2rpLvR7x/D2ieTGHu9JeGc25YDzSsZRkDdAfmOD0yAMgHI6SigDida0bVfGNrfu+nvozHR73TreK9ljZpHuFT5z5TOFRfLXuSdzcDA3VrrSdc1nVtQ1SfRjZoTpclvby3EbSyC2uJZJFO0lVYhuBuKkFcsDuC9/RQB5p4asL290y0tbfRRbwprk16+oJJH5cipdSZDDIfzDjH3SMAfN6PHhjXrmC20mTT44be1sr+2N5JcKVkeYfIVUZbZz1IByD8uME+iwwRW8fl28SRJkttRQoyTknA9SSfxp9AHJ6toFxrOl+GbaWC4gW0u0kulhujDJEot5UyHjYH7zKPlPQ+maXVfCcVtorDRobi6ulu7W5c3N4880yQTrJ5QkmYnoG2qWChmJ4yTXV0UAcDeeH7/X72e9u9FNtb3F5p+6yu3hZtkEjs7kIzIRhxgZJ4PHTPSeH9On0241dJ4gqXF89zFIpG1lYDj1BGOcj6ZraooAKKKKAMHxp/yK1x/vJ/6EK3j91f8Ae/pWD40/5Fa4/wB5P/QhW8fur/vf0oA57xBbXqa1perWeny6klok8UltA8ayHzNmGHmMq4Gw5+bPIwDzXIQeFNf0+1025trO6sGtp9SV7PRZLRnRLi4WSPb9oXyygVOeAwJXAxux6hRQB5vN4K1afRxaQrLG82k6lE0t1PG0izXFxHKocooXd94kKpVSMAsMEqfDGs6ta6lLdJqxuHsxbwjV5bIZ/eK+FW1TH8PVm644xkj0eigDzaXwzrc2q3VvKusCzvNQF5shmsUtUXer7XZkafI28hcgngHByOs8a/8AIl6n/wBcf6it2sLxr/yJep/9cf6igDcX7o+lLSL90fSloAKrXX/HzZf9dz/6LerNVrr/AI+bL/ruf/Rb0AWarQ/8hK7/ANyL/wBnqzVaH/kJXf8AuRf+z0AWaKKKAA/eH+5/U1m67pJ1nTRBHOIJopo7iGRk3qJI3DruXI3LkDIBBI7jrWhJLHG6h3VTsHU47mm/aIf+e0f/AH0KAOUbwdqU9xPe3Wr2ZvpJIZkeHT2SJZISdhKGUkrhmyNwJ4wRjBVfBuoGW5vbjW45tTkvIryKU2WIYnSMx7fLD7mTDHjfu6ZY11X2iH/ntH/30KPtEP8Az2j/AO+hQBk+H9DutJn1O51DURf3Oo3C3EjLAIlQiJI9qqCfl+TjJJwcEseTQ8O6B4l0HTdM0w65pVxYafDFb7RpMiSyRooX7/2ggMQOu0jPbtXS/aIf+e0f/fQo+0Q/89o/++hQBgReDbZNSvJ3uZntpklEFrgBbZpRiRk7AnnGAPvPnO7jH034ZwWFvcwodHgEllJZxS2GjLBNtddu6SQuxc4wfl2ZOc+g7f7RD/z2j/76FH2iH/ntH/30KAOdvvBwvZJZPt2xzaWkEf7rIWS2mMyORnlSxAK8HAOGGcixrOi6pd65Yaro2pWlncWttPbMt1ZNcLIsrRMSAsqEEGEdz1NbX2iH/ntH/wB9Cj7RD/z2j/76FAHNy+Fb27TUpb/UbOe61CCCGQf2dm3by2kOGid2LKwkwRuB44YZ4hi8BxrpltayXoUxeerLbweXCscybHSKPcfLAHK8sAc5Bzx1X2iH/ntH/wB9Cj7RD/z2j/76FAHD2XwzhtbG/tgdGtjc6fLYxy6doy28gWRdu6Ri7FyMA4UoCc5zxjT1vwTDrZv/ALTcIy3VrZQiKW3Eke62mkmUupPzozOAycZAI3DOR0v2iH/ntH/30KPtEP8Az2j/AO+hQByWneAUsrXYH0y2kN7bXLDS9KW0iYQvvAK72YseRksQOMKOc799pAvtZ02/aUKLAynyymfM3pt654x171e+0Q/89o/++hR9oh/57R/99CgDO1vR31O3tTZ3CWt1Z3Aubd5IfMjDhWX5kDKWGHPAYc457HOtvCc4v7fUb/UY5r1dS/tC4MNsY45CLVrYKql2KDaykks2SD0B46L7RD/z2j/76FH2iH/ntH/30KAKWjaV/Y1tcWyTebDJdzXMeVwyebIZGUnPzfO74OB8u0ckFjS1H/kddH/65Tf+g1tfaIf+e0f/AH0Kw76RJPGukbHVsRTZwc/w0AdAfvn6CuS1/wAHX+qx63bafrSWFprkRS7Bs/NlDeUIvkYuFClVXIKkn5sMpIK9U80aSEPIqnA4LAUn2iH/AJ7R/wDfQoA4zVfhxbal4gu9Q26Q63zpJcPe6QlzcIVjSP8AdSs21BtjUgMj4YseQcCbWPAEOqmeSSWznlfUWvoo7+x+0QKWhWIq0e9S3C5BDDBPQ45637RD/wA9o/8AvoUfaIf+e0f/AH0KAOVi8A26aXbWvnW9uYxcLKtjZJbwlZk2uEjBO04AwWLHOc57L4X8CxeHNSF2I9GQxwmGM6dpC2rspxnzHLuWPyj7u0ZzkHjHU/aIf+e0f/fQo+0Q/wDPaP8A76FAGLrP/I2eHP8Arrcf+iTW9XP6tIknizw75bq2JbjO05/5YtXQUAVrz/WWv/Xwv8jVmq15/rLX/r4X+RqzQAVW0/8A48h/11m/9GvVmq2n/wDHkP8ArrN/6NegCzQfuf8AAh/Wikd1SPLsFG4ck49aAFrkZvB2ondbW2rWiaeL9tRiSSwZ51mM5uMNIJQCnmnoEB2fLnPzV1X2iH/ntH/30KPtEP8Az2j/AO+hQByw8G36y2sC60i6XZ6h9vit1s/3rsZDIVkkLkEbmONqqRxndg5SDwbfQzadD/bSf2Zpl59qt7ZbPEj53fLJIXOeXOCqp7g11X2iH/ntH/30KPtEP/PaP/voUAYeo6JrDeJH1fRNVsbRpbSO2kivLB7gEI7sGBWaPH+sIxz0pupeGrzWdOtRf6qLfU4PMRr3ToDBuikBV0Cl2K/LtI+YgSRoxB27a3vtEP8Az2j/AO+hR9oh/wCe0f8A30KAOP1z4dWWpaqt5aW+iqv2aO1MWoaQt2Io4920Q/Ogj4Y5BDDheOObs/g1JbXUYI73Yl6lqi/uF/diDGOFwOcdgAPSuj+0Q/8APaP/AL6FH2iH/ntH/wB9CgClpOlf2S16qTeZFc3T3KqVwyFzlgTnkbs44GBxz1pLDSPsN9rFz52/+07lZ9uzHl4gjixnPP8Aq854647Zq99oh/57R/8AfQo+0Q/89o/++hQByjeBIv7EsrG4v5Gis9DbSWaOHDSD91+8AycH9193n73Xisa207UPE2pahc6rdXbwHTfIMo0eWyWNxKsihIpcyPnbz8xB6Daa9E+0Q/8APaP/AL6FH2iH/ntH/wB9CgDzu10O98Y32qtrM8s1vc2MMAebSHs4hJHMZAohlJd1Py7ssQckAr21bD4fJa2M0W7SrWWW6s5z/ZWkraRkW86zAFd7MzEgrkvgAjC5zu6/7RD/AM9o/wDvoUfaIf8AntH/AN9CgClqWkDUdS0q7aUINOuHn2FM+ZuhePGc8f6zOeelN1vRzqtjFHbTLaz286XMEjRb0EiHI3KCpZfUAg+9X/tEP/PaP/voUfaIf+e0f/fQoA5yLwlcyXkd/qWpRTX326K7la3tTFGwjjaNVVC7FeGySWPToK1tI0r+yReRpN5kVxdyXKArhkMjbmBOefmLY4GBgc4ybv2iH/ntH/30KPtEP/PaP/voUAYvjX/kT77/AHV/9CFbx+//AMBH8zXPeM5on8I3oSRGO1eAwP8AEK3pJY0kAeRVO0cFsdzQBzWt+Fb/AFCfU/7N1hLCHVoBDd7rTzpBhCoMbFwq8HkMrZ7EVm6l8M7a+1B7j/iUTefFFHO+oaQt1MuxBHmJ2cKnCg4ZXG7JORxXbfaIf+e0f/fQo+0Q/wDPaP8A76FAHKax4Bg1b7W8ktrM8uppqMMV7ZCeBWW1W22yR7l3jaGYYK4Yr1C4LrPwJDa6faQpLaW8kFzJOy2FgtvAfMjMTqsYJI+Q8MzMd3PIwo6n7RD/AM9o/wDvoUfaIf8AntH/AN9CgDkvC/w/g8N6jDcRpo6rbRGKFrLSFt53GMfvZS7Fjgc7QmTyeOK09e/5D2gf9fT/APos1tfaIf8AntH/AN9CsPW5Uk17QNjq2Lp84Of+WZoA6CiiigCsP+Qv/wBu5/8AQhVmqw/5C/8A27n/ANCFWaAPOPiD/wAk88Q/9eE//oBoo+IP/JPPEP8A14T/APoBorrrbI4qXxy+X6nU2H/Hw3/XJ/8A0E1oaH/yL2nf9esX/oArPsP+Phv+uT/+gmtDQ/8AkXtO/wCvWL/0AVnX+I3o/CSy/wDIUtv+ucn/ALLVmqtz5iXkE0cLzKquGCEZGcY6kelL9ql/58Ln80/+KrA2H3dpDfWz290m+J/vLkjP5Vl/8IhoX/QPT/vtv8a0ftUv/Phc/mn/AMVR9ql/58Ln80/+KoAzv+EQ0L/oHp/323+NH/CIaF/0D0/77b/GtH7VL/z4XP5p/wDFUfapf+fC5/NP/iqAM7/hENC/6B6f99t/jR/wiGhf9A9P++2/xrR+1S/8+Fz+af8AxVH2qX/nwufzT/4qgDO/4RDQv+gen/fbf40f8IhoX/QPT/vtv8a0ftUv/Phc/mn/AMVR9ql/58Ln80/+KoAzv+EQ0L/oHp/323+NH/CIaF/0D0/77b/GtH7VL/z4XP5p/wDFUfapf+fC5/NP/iqAM7/hENC/6B6f99t/jR/wiGhf9A9P++2/xrR+1S/8+Fz+af8AxVH2qX/nwufzT/4qgDO/4RDQv+gen/fbf40f8IhoX/QPT/vtv8a0ftUv/Phc/mn/AMVR9ql/58Ln80/+KoAzv+EQ0L/oHp/323+NH/CIaF/0D0/77b/GtH7VL/z4XP5p/wDFUfapf+fC5/NP/iqAM7/hENC/6B6f99t/jR/wiGhf9A9P++2/xrR+1S/8+Fz+af8AxVH2qX/nwufzT/4qgCKw0aw0xJVsLZYRNjzNpPzY6dT7mqh8I6GzEtYKSeSS7c/rWh9ql/58Ln80/wDiqPtUv/Phc/mn/wAVQBnf8IhoX/QPT/vtv8aP+EQ0L/oHp/323+NaP2qX/nwufzT/AOKo+1S/8+Fz+af/ABVAGd/wiGhf9A9P++2/xo/4RDQv+gen/fbf41o/apf+fC5/NP8A4qj7VL/z4XP5p/8AFUAZ3/CIaF/0D0/77b/Grmn6Np+lNI2n2ywmUAOQSd2M46n3NS/apf8AnwufzT/4qj7VL/z4XP5p/wDFUAWaKrfapf8AnwufzT/4qj7VL/z4XP5p/wDFUAWaqar/AMge9/693/8AQTTvtUv/AD4XP5p/8VUF9LcXGn3EMdjcb5ImRclMZII/vUAaL/fb60lK/wB9vrSUAVrf/j+vP95P/Qas1TDTQXlwwtZZVkKlWQr2GO5FP+1S/wDPhc/mn/xVAD7uKWe0kit5zbyOMCUKGK+vB9qx/wCw9W/6GO4/78JWr9ql/wCfC5/NP/iqPtUv/Phc/mn/AMVQBlf2Hq3/AEMdx/34Sj+w9W/6GO4/78JWr9ql/wCfC5/NP/iqPtUv/Phc/mn/AMVQBlf2Hq3/AEMdx/34Sj+w9W/6GO4/78JWr9ql/wCfC5/NP/iqPtUv/Phc/mn/AMVQBlf2Hq3/AEMdx/34Sj+w9W/6GO4/78JWr9ql/wCfC5/NP/iqPtUv/Phc/mn/AMVQBlf2Hq3/AEMdx/34Sj+w9W/6GO4/78JWr9ql/wCfC5/NP/iqPtUv/Phc/mn/AMVQBlf2Hq3/AEMdx/34Sj+w9W/6GO4/78JWr9ql/wCfC5/NP/iqPtUv/Phc/mn/AMVQBlf2Hq3/AEMdx/34Sj+w9W/6GO4/78JWr9ql/wCfC5/NP/iqPtUv/Phc/mn/AMVQBlf2Hq3/AEMdx/34Sj+w9W/6GO4/78JWr9ql/wCfC5/NP/iqPtUv/Phc/mn/AMVQBlf2Hq3/AEMdx/34Sj+w9W/6GO4/78JWr9ql/wCfC5/NP/iqPtUv/Phc/mn/AMVQBiXXhe+voDBea9cSwsQWQwqM4Oa1dTsby98sWmpPZBck7IwxY/jU32qX/nwufzT/AOKo+1S/8+Fz+af/ABVAGV/Yerf9DHcf9+Eo/sPVv+hjuP8Avwlav2qX/nwufzT/AOKo+1S/8+Fz+af/ABVAGV/Yerf9DHcf9+Eo/sPVv+hjuP8Avwlav2qX/nwufzT/AOKo+1S/8+Fz+af/ABVAGV/Yerf9DHcf9+EqC88L39/Zy2t34guJIZV2uphXkVufapf+fC5/NP8A4qj7VL/z4XP5p/8AFUAWQMACiq32qX/nwufzT/4qj7VL/wA+Fz+af/FUAWarXX/HzZf9dz/6Lej7VL/z4XP5p/8AFVGzTXF1a/6JNGschdmcpgDYw7Me5FAF2q0P/ISu/wDci/8AZ6s1VaC4W6klt5YlEiqCHjJxtz6EetAFqiq2y+/5723/AH6b/wCKo2X3/Pe2/wC/Tf8AxVAFa98P6XqNybi9tBNKQBuLt0H41X/4RDQv+gen/fbf41o7L7/nvbf9+m/+Ko2X3/Pe2/79N/8AFUAZ3/CIaF/0D0/77b/Gj/hENC/6B6f99t/jWjsvv+e9t/36b/4qjZff897b/v03/wAVQBnf8IhoX/QPT/vtv8aP+EQ0L/oHp/323+NaOy+/5723/fpv/iqNl9/z3tv+/Tf/ABVAGd/wiGhf9A9P++2/xo/4RDQv+gen/fbf41o7L7/nvbf9+m/+Ko2X3/Pe2/79N/8AFUAZ3/CIaF/0D0/77b/Gj/hENC/6B6f99t/jWjsvv+e9t/36b/4qjZff897b/v03/wAVQBnf8IhoX/QPT/vtv8aP+EQ0L/oHp/323+NaOy+/5723/fpv/iqNl9/z3tv+/Tf/ABVAGd/wiGhf9A9P++2/xo/4RDQv+gen/fbf41o7L7/nvbf9+m/+Ko2X3/Pe2/79N/8AFUAZ3/CIaF/0D0/77b/Gj/hENC/6B6f99t/jWjsvv+e9t/36b/4qjZff897b/v03/wAVQBnf8IhoX/QPT/vtv8aP+EQ0L/oHp/323+NaOy+/5723/fpv/iqNl9/z3tv+/Tf/ABVAGd/wiGhf9A9P++2/xqey8O6Vp90tzZ2axTKCA4ZjjPXqatbL7/nvbf8Afpv/AIqjZff897b/AL9N/wDFUAVLrw3pN7cvcXVmssrnLMXbn9ah/wCEQ0L/AKB6f99t/jWjsvv+e9t/36b/AOKo2X3/AD3tv+/Tf/FUAZ3/AAiGhf8AQPT/AL7b/Gj/AIRDQv8AoHp/323+NaOy+/5723/fpv8A4qjZff8APe2/79N/8VQBnf8ACIaF/wBA9P8Avtv8aP8AhENC/wCgen/fbf41o7L7/nvbf9+m/wDiqNl9/wA97b/v03/xVAFS08N6RY3cdzaWSRzR52PuY4yMHqfQmtSq2y+/5723/fpv/iqNl9/z3tv+/Tf/ABVABef6y1/6+F/kas1UNvdSSwmeaEpHIHwkZBOPq1W6ACq2n/8AHkP+us3/AKNerNU4re7gQpFPBs3uw3RMT8zFv73vQBcqpf6ZZ6pGsd/D5yKchSxAz+Bp2y+/5723/fpv/iqNl9/z3tv+/Tf/ABVAGd/wiGhf9A9P++2/xo/4RDQv+gen/fbf41o7L7/nvbf9+m/+Ko2X3/Pe2/79N/8AFUAZ3/CIaF/0D0/77b/Gj/hENC/6B6f99t/jWjsvv+e9t/36b/4qjZff897b/v03/wAVQBnf8IhoX/QPT/vtv8aP+EQ0L/oHp/323+NaOy+/5723/fpv/iqNl9/z3tv+/Tf/ABVAGd/wiGhf9A9P++2/xo/4RDQv+gen/fbf41o7L7/nvbf9+m/+Ko2X3/Pe2/79N/8AFUAZ3/CIaF/0D0/77b/Gj/hENC/6B6f99t/jWjsvv+e9t/36b/4qjZff897b/v03/wAVQBnf8IhoX/QPT/vtv8aP+EQ0L/oHp/323+NaOy+/5723/fpv/iqNl9/z3tv+/Tf/ABVAGd/wiGhf9A9P++2/xo/4RDQv+gen/fbf41o7L7/nvbf9+m/+Ko2X3/Pe2/79N/8AFUAZ3/CIaF/0D0/77b/Gj/hENC/6B6f99t/jWjsvv+e9t/36b/4qjZff897b/v03/wAVQBnf8IhoX/QPT/vtv8aP+EQ0L/oHp/323+NaOy+/5723/fpv/iqNl9/z3tv+/Tf/ABVAGd/wiGg/9A5D9Xb/ABqe88OaVf3LXF5aCWVurF2/xq1svv8Anvbf9+m/+Ko2X3/Pe2/79N/8VQBnf8IhoX/QPT/vtv8AGj/hENC/6B6f99t/jWjsvv8Anvbf9+m/+Ko2X3/Pe2/79N/8VQBnf8IhoX/QPT/vtv8AGj/hENC/6B6f99t/jWjsvv8Anvbf9+m/+Ko2X3/Pe2/79N/8VQBnf8IhoX/QPT/vtv8AGpbXwzo9ndR3NtZIk0ZyjbmODjHc+9XNl9/z3tv+/Tf/ABVGy+/5723/AH6b/wCKoAs0VW2X3/Pe2/79N/8AFUbL7/nvbf8Afpv/AIqgAH/IX/7dz/6EKs1WhgmW6ae4ljY+XsAjQr3z3JqzQB5x8Qf+SeeIf+vCf/0A0UfEH/knniH/AK8J/wD0A0V11tkcVL45fL9TqbD/AI+G/wCuT/8AoJrQ0P8A5F7Tv+vWL/0AVn2H/Hw3/XJ//QTWhof/ACL2nf8AXrF/6AKzr/Eb0fhL1FFFYGwUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQB5x8Qf+SeeIf8Arwn/APQDRR8Qf+SeeIf+vCf/ANANFddbZHFS+OXy/U6mw/4+G/65P/6Ca0ND/wCRe07/AK9Yv/QBWfYf8fDf9cn/APQTWhof/Ivad/16xf8AoArOv8RvR+EvUVXvpHitC0TbXLKobGcZYD+tOihljcmS5aUYxtKKP5VgbGBp3jnT9Rt7W6Wz1K3srpFeK8uLUpCVYAqS2eAcjn3rpa4Lwd4Y1G58A6Da63qtxJZNptus2mvbJHgeUv7pmxuwOhB64INZ8WmrbaTYz61HfS2M+p3jagriWQ7BJMIRtX5tuSpGB3z0oA9NorymbyEuNHj1GPUP7Fe8vTDDGsmTb7U2bk++VznjGfak1CG/Ol6bvjP9jC5vSiXdvPIojLr9nykf7wfJvxnoM55xQB6szBVLMcADJNV7LUINQjSW0LSQSRJNFOF+SRXGQVPfjn8RXn2naDcapNoNrqv2m4sxp+puUVZIYmBuIDAhUnOAh+UMc4XJ6EVkWWnapY+EjZ2dvNDHBYaVFcRyxyFBteUXIIX5mGc528kYxwRQB7DRXl9naTnwtqTCVlsTcRMkUFlcLCAAd4KMfNKk4zj0GO9df4SWaTwvCoWSzAkYJwxDJngqsnzKp6gNyKAOhoqt9muP+f8Ak/79J/hR9muP+f8Ak/79J/hQBZoqt9muP+f+T/v0n+FH2a4/5/5P+/Sf4UAWaKrfZrj/AJ/5P+/Sf4UfZrj/AJ/5P+/Sf4UAWaKrfZrj/n/k/wC/Sf4UfZrj/n/k/wC/Sf4UAWaKrfZrj/n/AJP+/Sf4UfZrj/n/AJP+/Sf4UAWaKrfZrj/n/k/79J/hR9muP+f+T/v0n+FAFmiq32a4/wCf+T/v0n+FH2a4/wCf+T/v0n+FAFmiq32a4/5/5P8Av0n+FH2a4/5/5P8Av0n+FAFmiq32a4/5/wCT/v0n+FH2a4/5/wCT/v0n+FAFmiq32a4/5/5P+/Sf4UfZrj/n/k/79J/hQBZoqt9muP8An/k/79J/hR9muP8An/k/79J/hQBZoqt9muP+f+T/AL9J/hR9muP+f+T/AL9J/hQBZoqt9muP+f8Ak/79J/hR9muP+f8Ak/79J/hQBZoqt9muP+f+T/v0n+FH2a4/5/5P+/Sf4UAWaKrfZrj/AJ/5P+/Sf4UfZrj/AJ/5P+/Sf4UAWaKrfZrj/n/k/wC/Sf4UfZrj/n/k/wC/Sf4UAWaKrfZrj/n/AJP+/Sf4UfZrj/n/AJP+/Sf4UAWaKrfZrj/n/k/79J/hR9muP+f+T/v0n+FAFmiq32a4/wCf+T/v0n+FH2a4/wCf+T/v0n+FAFmiq32a4/5/5P8Av0n+FH2a4/5/5P8Av0n+FAFmiq32a4/5/wCT/v0n+FH2a4/5/wCT/v0n+FAFmiq32a4/5/5P+/Sf4UfZrj/n/k/79J/hQBZoqt9muP8An/k/79J/hR9muP8An/k/79J/hQBZoqt9muP+f+T/AL9J/hR9muP+f+T/AL9J/hQBZoqt9muP+f8Ak/79J/hR9muP+f8Ak/79J/hQBZoqt9muP+f+T/v0n+FH2a4/5/5P+/Sf4UAWaKrfZrj/AJ/5P+/Sf4UfZrj/AJ/5P+/Sf4UAWaKrfZrj/n/k/wC/Sf4UfZrj/n/k/wC/Sf4UAWaKrfZrj/n/AJP+/Sf4UfZrj/n/AJP+/Sf4UAWaKrfZrj/n/k/79J/hR9muP+f+T/v0n+FAFmiq32a4/wCf+T/v0n+FH2a4/wCf+T/v0n+FAFmiq32a4/5/5P8Av0n+FH2a4/5/5P8Av0n+FAFmiq32a4/5/wCT/v0n+FH2a4/5/wCT/v0n+FAFmiq32a4/5/5P+/Sf4UfZrj/n/k/79J/hQBZoqpH50WoRxSXDSo8TthkAwQV9Pqat0AFFFFABRRRQAUUUUAFFFFABRRRQAUVmw+I9Dub0WdvrOny3LMVEEd0jOSOo2g5zxV+KaKZWMMiSBWKMUYHDA4I+oPGKAH0UUxZommeJZEMkYBdAw3KDnBI7ZwfyoAfRRWbb+JNDu7xbS01nT57liQsMV0jOSOo2g57GgDSooooAKKKZ50RnMIkTzQocx7huCk4Bx6ZB5oAfRRTIpop0LwSJIoZlLIwIyCQRx3BBB9xQA+iiigAoorF1m61Eavpmn6XNDC94ZAzyx7gNq7un4UAbVFZP9k+Kf+gtYf8AgKf8aP7J8U/9Baw/8BT/AI0Aa1FZP9k+Kf8AoLWH/gKf8aP7J8U/9Baw/wDAU/40Aa1FZP8AZPin/oLWH/gKf8aP7J8U/wDQWsP/AAFP+NAGtRWT/ZPin/oLWH/gKf8AGj+yfFP/AEFrD/wFP+NAGtRWT/ZPin/oLWH/AICn/Gj+yfFP/QWsP/AU/wCNAGtRWT/ZPin/AKC1h/4Cn/Gj+yfFP/QWsP8AwFP+NAGtRWT/AGT4p/6C1h/4Cn/Gj+yfFP8A0FrD/wABT/jQBrUVk/2T4p/6C1h/4Cn/ABo/snxT/wBBaw/8BT/jQBrUVk/2T4p/6C1h/wCAp/xo/snxT/0FrD/wFP8AjQBrUVk/2T4p/wCgtYf+Ap/xo/snxT/0FrD/AMBT/jQBrUVkjTPEsbB59VsmjU5cJbEEjvjnrWuww7AdjQAlFFFABRRRQAUUUUAecfEH/knniH/rwn/9ANFHxB/5J54h/wCvCf8A9ANFddbZHFS+OXy/U6mw/wCPhv8Ark//AKCa0ND/AORe07/r1i/9AFZ9h/x8N/1yf/0E1oaH/wAi9p3/AF6xf+gCs6/xG9H4STUf+PP/ALaR/wDoa1aPU1V1H/jz/wC2kf8A6GtWj1NYGwUUVBdTSQonkorvJIqKGbaOT64NADZtPt7jULW9lQme1DiJtxG3eAG479BVmovI1T/nhZ/+BDf/ABFHkap/zws//Ahv/iKAJaKrSNewttm/s+NiM4a6Yf8AslSLFqbKGWGzIIyCLhuf/HKAJaKi8jVP+eFn/wCBDf8AxFHkap/zws//AAIb/wCIoAloqLyNU/54Wf8A4EN/8RR5Gqf88LP/AMCG/wDiKAJaKi8jVP8AnhZ/+BDf/EUgTUWYqsdkSOoFy3H/AI5QBNRUXkap/wA8LP8A8CG/+Io8jVP+eFn/AOBDf/EUAS0VF5Gqf88LP/wIb/4ijyNU/wCeFn/4EN/8RQBLRUQi1MkgRWZI6j7Q3H/jlHkap/zws/8AwIb/AOIoAloqLyNU/wCeFn/4EN/8RR5Gqf8APCz/APAhv/iKAJaKi8jVP+eFn/4EN/8AEUeRqn/PCz/8CG/+IoAloqLyNU/54Wf/AIEN/wDEUeRqn/PCz/8AAhv/AIigCWiovI1T/nhZ/wDgQ3/xFHkap/zws/8AwIb/AOIoAloqLyNU/wCeFn/4EN/8RR5Gqf8APCz/APAhv/iKAJaKryrqcMZdoLQgelw3/wARUYl1E/8ALva/9/2/+IoAuUVXga8aUCeGBE5yUlLHp6FRVigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAopCQBknA96TzY/76/nQA6im+bH/fX86PNj/vr+dADqKb5sf99fzo82P++v50AOopvmx/31/OjzY/76/nQA6im+bH/fX86PNj/vr+dADqKb5sf99fzo82P++v50AOopvmx/31/OjzY/76/nQA6im+bH/fX86PNj/vr+dADqKb5sf99fzo82P++v50AOopokQnAdSfrTqACiiigAooooAKKKKAKz/8haD/AK4S/wA0qzVZ/wDkLQf9cJf5pVmgAooooAKKKKACiiigAooooAKKKKAPNvDenavqvg6CyXSdLgtZjIo1H7WzToPMb5xH5Q+cdvn4ODzjFWfDeqPpeqLaT3ax2Bn1me5kmIA/dXMeHZj0ADuT2556V3lvbw2sCw2sMcMS/djjUKo5zwBVeXR9MnjjSfTrSVI7j7UivApCzZJ8wZHD5JO7rk0AcLpfiHWdY0W2u5dcj002vh2x1SaZoYzFNJMspcy7hwg8kH5Cn3m56Yig8Ua9d2NoYL2KK5uoNHJla3VgGuN/mHHGc44HbtXUa54UXUV01dOg0W2XTlKwfa9JFwYB8oXySHTysbe2ei9MVo6f4f03TtPtLSO1jlFrDDEkssatIwiGIyTjkjkg9iTjFAGNo+q+IpvPt4ra11JLO9ktZbu4uvIkKqR82xIirHB7bRx+NY1vb28fwNM6QxrdjTHa3kCgP5+D5W09d/mbduOS2Mc16BDbw2/meRDHF5jmR9igb2PVjjqfesq08H+GrDUFv7Hw7pNteIxZbiGxjSRSeCQwXOTk/nQByGteJPEkeoa2+mxX/l6MURPLFmtq5+zxzHz3mcSLzIQxTACgY5zWvcaxqcHjArPdyR6cLuO1TyY4ZbfLKuEl585ZiW4wNgBQnqa6C78P6Nf6nBqN9pNjc31vt8m6mtkeWLacrtcjIwSSMHg1K2j6Y+rpqr6daNqMaeWl4YFMyrz8ofGQOTxnuaAOQXVNXbwzceI318W+4XAjsZYYvKBQuqhDgOW+QHlj34NZ+o+Jdd0nTJZrjVrYTjTbG5a5lt0WKIy3WxyRwdgX1b1OQea7j/hGtCGpTagNF0/7bOpWa5+yp5kgIwQzYyQRwc0zWPD1rqlh5EaxW0m6DEyQgkJFKsgTtxlSMdBnNAHFeJn1f97oz69cSiG70a7S7EMIf99f+WUwE27R5asOM54JIOK0NO1XV9bvLbTYtTfTzI+pytcW0ERciC98lEw6suNrcnGSVHPXPV2vh/RrHT7iwstIsbazutxnt4bZEjl3DDblAw2Rwc9RTb3w7ompWa2mo6PYXdssrTLDPao6CRiSzhSMbiWYk9SSfWgDi08Ra/qCRGHUltVg026uZitujNM8M5jXkjC7gvzYHc4xxXcaRNNd6dBezykm6hjl8oABYyUBIHfGfUmpRptiqqq2VuFWH7OoES4EX/PPp93gcdKfBZ21qzG1t4oS4UMY0C7gowuceg4HoKAJq57XOPEujY/uXX/olq6GsTUkWXxjoEbjKsbhSPUGI0AcbpniTVF+EdvoJuM6++nxpDPsHMDweYJsY2/KgddpOTsz3FdHo/iu4sfCItrqKM6nDbW62EQBP2kSRqIzgnLYOd+3oAcdK6iLw5pUMcMcdptWCx/s+MeY3ywcfJ1/2Rz1461n2/hrf4gtby7trSG10uPybCOJjI7rjAaQsowV52gZwSTu5xQBieNII7rxV4bi1TQZNeBs7xns7cREBwbf5/3roMDJHXPPTrVRbO60zXPD8sNjJo+mSam/2XSZGVmhZbG7LudjMqhzt+RSQNm7O52A9Al0+2m1K3v5Is3VtHJFFJuPyq5UsMdDnYvX0ou9Otb64tJrqESSWcpmgJJGxzG0ZOB1+WRhg5HPrigDjX8e3kOh6ffy2kDm58Pf2q6LkYlzENo5Py/vT78Dmo9Y8Q67pkt5p2uQaTfLHaRXKSQxSIsha4WPBRmbGM5HzHJ9Olb0Pgfw9ZtcS2ulxtLNbNbHzppHHlEgiIbidsYKjaoGE52gZNY+h+A8ajd3eu2dvGJ7dLdo49SuL15tsgkVnnlCvwQAF5H8qAJbLxXrEmtoLu3shp02sT6VEse/zSUEjCQknA4jI24Oc5yOlX9V1XWZfEV1pWhrYr9isYryYXauftAleVRGrKR5ePJPzEP98fL8vOougaYjRsttgxXj3yfvG4nYMGfr3Dtx056VFq3hfSdbuVn1G3kkfZ5UgjuJIlnjyT5cqowEqct8jhl+ZuPmOQDz3SPGuo2HhvQNNsAQ1v4esLmRjpF1fmcyRkBcw4EZ/dnls53exz0l34t1eG+09pbOPTbW4ghlZby1ncMzj5kadBsgKk4/eLyemK1ZPBOhvb2kKQXVtHaW6WsYtL+eDdEgwiOY3HmADON+7GW9Tma58J6LdXUM8lmV8lUQRQzPFC6p9xXiVgkgXsGBx2oAo2WqeINV1G6nsDpq6faXr2j200UnmvsbazCUNgeoGw9MZ5yOZbxxrCeHbfX76w0z7U/h3UdUtxGrnyxEsBVCxPRy2WA6YUZONx7OXwlo82qG+kgn3tIJWhF5MLd3BzvaAP5bNkA5Kk5APUZqlrvguyvfB91pOkwx2866PdaXYvJI5WFJkCkHqSMonJBPy8dTkAwPGGu+KdO0TVLOa40+3vJtJnv7eW1jk/0URPGrRli4LtiUYcBOVzt5wLsGv6ob+XSrCPToNQn1SW3a6a3doiY7dJGcxhwSTnA+bgAda3rTwdoVmtwkViXjniMBinmkmjjiPWKNHYrFHwPkQKvyrx8owSeENGktWgMNwm6bz/OjvZknEmwIWEyuHBKqAcNz3zk0AYKeKfEF3e2WlWUemi9kubu2uLmVJPLBhCHesYbPO7G0t/wLsen8Oasdd8N2GqNEITdwLKYwc7SR0zTbLw5pdg9q9tbMJLXzDHI8zu5MmN7MzEl2OByxJ461b0/T7bStOgsbCLyra3QJEm4ttUdsnJNAFmiiigAooooAjuP+PaT/AHTVST/WN9TVu4/49pP901Uk/wBY31NADaKKKACiiigAooooA84+IP8AyTzxD/14T/8AoBoo+IP/ACTzxD/14T/+gGiuutsjipfHL5fqdTYf8fDf9cn/APQTWhof/Ivad/16xf8AoArPsP8Aj4b/AK5P/wCgmtDQ/wDkXtO/69Yv/QBWdf4jej8JJqP/AB5/9tI//Q1q0epqrqP/AB5/9tI//Q1q0eprA2Cq939+1/6+Y/51YrM1+/XS9NW9dDIsEyOVBwTg1UYuTUVuxSkoptmJN4k8SnUJzbyaeIG1ltKgjeJsgbc+YzZ6rg/KBz6irOmeMLq2uSfEc1vHYI11am7VNi+dbu+5m5OA0algozjy356Vlf8ACeaHuB/sJ8i6+1j94P8AXYxv+uKy9S8XWWoSx2Y0lItJNx9suI1OZZZt+48ngKx+93IyOhNd/wDZeM/k/L/M4f7Rwv8AP+ZaiS61jxtd3eteDrfW7ibR7OVYZlhDWcb3N6UQiU/f2bQ23jch9q1rW413QdWg02L7LDZvaXOpPaMC5tURogsEbDjHzNnsu4heFApbXx1bS3k2oWfh26kmljSCSaP5sqhZlU4HYyMf+BVDL8RNMOofaZ9El+1RxNBuZxkISCy4+qj8qX9m4tuyh+K/zH/aGGSvzfg/8iU+JdesNOs767urW6XU9NnvIYltjH9mZIfNAJ3HeOcdumaQ+Ldb0nTotQ1Oax1BbvR7nUo4reMosTQxo+3fk7w2/GcDGO9YEviHw7FYahHpmhPbXF5bSQCUzFgm9SOAeg57YqbRvE/h3RrcCDw+fOaAQytvBVhjBAU8AHuBT/svGfyfl/mL+0cL/P8AmXZPGniOy0jWLmWOWXyNEu9QhmutMa0WKWJVKJgsfMDbyTjGNn+1T11PxHovjzUbrV9Rt7jTobaya9t4oWC26SNcLuRi3RCAWYgFlHQEAVn2/iTwrbW93BF4bfyr2FoJ1ecvvjYYZfmJwD3Axnj0FP1zx5BqAJsdLjimnQ29xNMdzeQeSFHQnOMbuBz60f2XjP5Py/zD+0cL/P8AmdlHr15caZr+p24j+x2iSLZEr/rGjU72J7ru4H+61cs2rXfh3TkXSIbV7ptLs7nzrhMvJJPdbW3uOSPmP0681PYeOdOXSY9HtNDuZrdYPJ8oOGLpjBzgck9z3zWVp/ivTLexW21bSHvJYVWBZXcBjFHJvjVvdTj8qP7Mxd7cn4r/ADD+0MLvz/mat1qWv3HijRtPm1KJGsfEP2a4eKAqt0jae8+Cu7gAEr352t2xTPDHjjXdVOlX1zbTtaapbmdo305oI7YGFpV2zFj5vIC9BkHd2xSz+N9HE0klx4elWWa4S5ZmbDGVAFV/qAgX6DHrVOx8V+GdNv2vLLw68U7Bhnzshc9dqnhfTgDjjpR/ZmLf2PxX+Yf2jhf5/wAzSg8V69bLod7eXNjc22r2Ut79nWIxyQhbcyqgO47hnALcfTmqtl428Qtp815NDNJHJpc96jT6a1skDpHvUBix8wHOO3TPeua0zXbW28Tx6jPotrBBbvK0SWzMWcOpXa28kAYPRcDNbVt4m8LWn2jyPDbgXMbRShpywKNwygEnAI9MUf2XjP5Py/zD+0cL/P8AmdJpMl9B4u0mW+eE3Gs6ZNNeLApEe6JovLIz1O2YqWPJCr0xXZ15ZB47tE8RHUptPkMcFsLWyhVx+5Q4Ln6sQo+iL71rt8UrZDh9KuFOAcFwOCMg9PSj+zMZ/J+K/wAw/tHC/wA/5neUVwP/AAtW0/6Bk3/fwUf8LVtP+gZN/wB/BR/ZeM/k/L/MP7Rwv8/5nfUVwP8AwtW0/wCgZN/38FH/AAtW0/6Bk3/fwUf2XjP5Py/zD+0cL/P+Z31FcD/wtW0/6Bk3/fwUf8LVtP8AoGTf9/BR/ZeM/k/L/MP7Rwv8/wCZ31FcD/wtW0/6Bk3/AH8FH/C1bT/oGTf9/BR/ZeM/k/L/ADD+0cL/AD/md9RXA/8AC1bT/oGTf9/BR/wtW0/6Bk3/AH8FH9l4z+T8v8w/tHC/z/mdve/8ej/hXP6vrJ0zyY4baS5mkI+RB91c8kn+VVdL8cweIbprKKykhbYX3M4I4I/xreA4FclajUoS5KiszqpVoVo81N3QW0yzxLImcMCeRgjg06lTr+B/kaSsTUKKKKACqtvqVld2stzbXMcsMLukjo2QjISGB9CCDmrVeZ6fFJovhPUdZs42lhurm+ivoVXOALqcCUAd13c+oA9BQB6RBPFdW0dxbuJIpUDo69GUjII/CpK8ivNR1VdIsxYa5FphsdHtpIIJ5zH9pcw7sIo+/wAgDHvitC41bWLpNS1O21qWL7PNp8UEUYUxK04hWQkfxf6wkDsRQB6bRXmmr6vqumxXWmxXs81vb64lpJcy3SwyLC1iJ/mmIwv70qMkdCF71v8Ag27uLywZtQvw4jvXS0C3gmMqeUpKtIABIQS546YA/hNAHWUUUUAFFFFABRRRQAUUUUAFFFFAGJ4xJXwfqRU4IhyCO3Iq1F4I8PNChNgSSoJ/fyf/ABVVfGX/ACJup/8AXE/zFc9qWk3c99rl/HLqMdwNd023tXikcCKCRLNJ2jHTlXkBPIGD0INAHXf8IP4d/wCgf/5Hk/8AiqxdW07wnpGpRWD6Lf3dzJCZglmk0uEB25OG45NUoxc+GLrUdUiW4/s3SdRe2+zu7FRaSQQMWUt12y5bPPG4DrSWGh6+/i23uV1GbTru606S4unNuJlVnlUiIbuF2qAOO4J70AbemeG/CurWpmtbCRSrbZIpZZUkib+6ylsg1d/4Qfw7/wBA/wD8jyf/ABVY1x4ZaLxlohnuLu5aUXNxfXCkxrPIoiEYcLwAMcL7Vk+G1A1Dw75CXg18St/b7SLKAU+zy79xb5D++8r7vfGOM0Adf/wg/h3/AKB//keT/wCKo/4Qfw7/ANA//wAjyf8AxVcB4GcT6N4Tl0f+0n1Z9PVtVkufMJeM2jbCWb5CPM8rbjnG3PeofDsOqGPd5gS9XTZv7QSCG5Ekkvkn77SHZnzOfk79OKAO/wD+ES8LG+NmLVftIjEpi+0SbthON33umQRVbVvD3hTRraOW606aRppBFDDA8rySvgttVQ2SdqsfoprlIfCMtlqmn6rYRXjanHo0M8UssrsbidGJkjbJxko2ADgZIPatWbXpmtf+EmZJI49UuktLGUwtMtlAqSHz9ig5LHfg4H+sQHgGgDa0zwz4V1fT0vLOxYxuWUhpZVZHVirow3cMrKVI7EGrf/CD+Hf+gf8A+R5P/iqt+G009NAg/sdpHtWaRxJKrK8js7GR2DAHczlieOSc1qUAYH/CD+Hf+gf/AOR5P/iqP+EH8O/9A/8A8jyf/FVv0UAYH/CD+Hf+gf8A+R5P/iqP+EH8O/8AQP8A/I8n/wAVW/RQBgf8IP4d/wCgf/5Hk/8AiqP+EH8O/wDQP/8AI8n/AMVW/RQBhQ+E9E0+4iurSy2TRupRjK7YOcdCSKuVdn/1Y/31/wDQhVKgAooooAKKKKACiiigCs//ACFoP+uEv80qzVZ/+QtB/wBcJf5pVmgAooooAKKKKACiiigAooooAKKKKACiqh1AGR1jt7iTYxUsiDGR+NH28/8APndf98D/ABoAt0VU+3n/AJ87r/vgf40fbz/z53X/AHwP8aALdFVPt5/587r/AL4H+NH28/8APndf98D/ABoAt0VU+3n/AJ87r/vgf40fbz/z53X/AHwP8aALdFVPt5/587r/AL4H+NH28/8APndf98D/ABoAt0VU+3n/AJ87r/vgf40fbz/z53X/AHwP8aALdFVPt5/587r/AL4H+NH28/8APndf98D/ABoAt1A9nBLfW95IrGa23eUwbG3cME/lxUf28/8APndf98D/ABo+3n/nzuv++B/jQBf85v7z/mP8KPOb+8/5j/CqH28/8+d1/wB8D/Gj7ef+fO6/74H+NAF/zm/vP+Y/wo85v7z/AJj/AAqh9vP/AD53X/fA/wAaPt5/587r/vgf40AX/Ob+8/5j/Cjzm/vP+Y/wqh9vP/Pndf8AfA/xo+3n/nzuv++B/jQBf85v7z/mP8KPOb+8/wCY/wAKofbz/wA+d1/3wP8AGj7ef+fO6/74H+NAF/zm/vP+Y/wo85v7z/mP8Kofbz/z53X/AHwP8aPt5/587r/vgf40AX/Ob+8/5j/Cjzm/vP8AmP8ACqH28/8APndf98D/ABo+3n/nzuv++B/jQBf85v7z/mP8KPOb+8/5j/CqH28/8+d1/wB8D/Gj7ef+fO6/74H+NAF/zm/vP+Y/wo85v7z/AJj/AAqh9vP/AD53X/fA/wAaPt5/587r/vgf40AX/Ob+8/5j/Cjzm/vP+Y/wqh9vP/Pndf8AfA/xo+3n/nzuv++B/jQBf85v7z/mP8KPOb+8/wCY/wAKofbz/wA+d1/3wP8AGj7ef+fO6/74H+NAF5pCylWZyCMEZH+FNY7mJ9Tmqf28/wDPndf98D/GrhGCQe1ACUUUUAFFFFABRRRQB5x8Qf8AknniH/rwn/8AQDRR8Qf+SeeIf+vCf/0A0V11tkcVL45fL9TqbD/j4b/rk/8A6Ca0ND/5F7Tv+vWL/wBAFZ9h/wAfDf8AXJ//AEE1oaH/AMi9p3/XrF/6AKzr/Eb0fhJNR/48/wDtpH/6GtWj1NVdR/48/wDtpH/6GtWj1NYGwVz/AI3/AORUuPqv866CsvxDYf2ppYsfM8rz5UTft3bcnrjjNa0ZKNWMnsmjOrFypyiuqZ5ylnpwt0D2zs62QuncSkbmzjaPQHv39MUyfSYrlQmnQkXLLFMI92QVkCjAz6MQOeTu9q67/hWE3/Qfk+55f/Hufu/3fv8AT2qxB8N/IjZ/7Yke6KGJJWhyqRldpAXd1xkZzgA9M4I+r/tHDR1VT8JHzX1Cu9HT/FHIziwj0aFI72e3iS8mRXhjL+aRHCC3LDGSMgc9cdqhb7Fe2LTNE7yLNFaxys2CwIbLsO54GPTA69+pPwscxLEdcYxqxZV+zcAnGTjf3wPyFA+FjiIxjXG8ssGK/ZuCR3xv9zQsdg0v4v4Pv6CeDxTf8P8AFdvU5cWNlcXM0CWoi+y3KRFldiZAX2nOTx+GKd/ZlpdXT2yWr2hhvYrckuS7K7EZOeMjHYCuxX4fXjTWzXXiKa4jt3V0jkhJAwegy/HSmXnw4ub04m8QytErFo42gLBM+nz1P9o4e/8AE/8ASv8ALX/glfUa9v4f/pP+Zy0emaZc3doieQd19DA62zSkMjE53FxweBjB7n0puyyv9DtreCzEM0kswgfexYsojIB7Et07AHniusl+Hl/PJE8/ie4keFt0TPESUPqPn46Cks/hklvnztWklUEOkYh2rvHQsN3I68DB560vr+Gtd1Xdf4vPyX9aD+pYi9vZqz9PLzf9anFJbm0gMQdoQsSyXki/eGSCij36cj156VHZTi/8SfaHjC/flVewKoSv15UV3Ufw7vobmW4t/Ek0MsxJkaK3KbsnPZ/WmR/DadNQW8bXTLMG3MZLYnf6hvn5BHB9q0/tHC2leerXZ/5EfUMTdWhon3X+ZyEVravYi8u43mb7C1wV8wjL/adg/DB5A/nzV2HT7SSE2PkhFubuzbzNxzGJIi5A9hkjn15zXRS/DJ2Z1i1yRISCqxmDOE3btv3hxnnp1pn/AArGckn/AISCTLKqn/RzyFxtH3+gwMfQVDx+Gkn+9/CWmqt0KWCxCt+7/FHL/wBm6ddSW3ktCC02xhatKVI2k8lxweO3vRa6dZahb2k/2Q2glndGO9ijKqbuM5PUc9a62b4c3d3NHJeeJLicxnKl4iSv0Jc4q3qHgFrtI1h1q6UpJ5vmXC+bJuxgYYFcDik8xoaJVH+On4ajWArat0/y1/HQ4hdP0yaeBwI2QrP5iWrSbfkiLj5nH3s9uR0rPvmWfRbK42BGE00KgEnbGuxlX3wZG5POMeld3N8Ob25mEtx4lnlkClA7wkkKQQRnf0IJ/Okufhl50FvAmreXFAmAv2bO5icsx+fqeB9FUc4zVxzHCqSbqX+/z8vNESwGIaaULfd5efkeZUV6L/wqf/qM/wDkr/8AZ0f8Kn/6jP8A5K//AGddX9rYL+f8H/kc39mYv+T8V/medUV6L/wqf/qM/wDkr/8AZ0f8Kn/6jP8A5K//AGdH9rYL+f8AB/5B/ZmL/k/Ff5nnVFei/wDCp/8AqM/+Sv8A9nR/wqf/AKjP/kr/APZ0f2tgv5/wf+Qf2Zi/5PxX+Z51RXov/Cp/+oz/AOSv/wBnR/wqf/qM/wDkr/8AZ0f2tgv5/wAH/kH9mYv+T8V/medUV6L/AMKn/wCoz/5K/wD2dH/Cp/8AqM/+Sv8A9nR/a2C/n/B/5B/ZmL/k/Ff5mB4C/wCRib/r3f8AmK9RH3RXOaP4E/4R28a+/tH7R+7KbPI2dSOc7j6V0Y+6K+ZzSvTr4jnpu6sfRZdRqUKHJUVncev3vwP8jSUq/e/A/wAjSV5Z6IUUUUAFNEaKhVVUKc5AHHPWnUUAQyWdtKUMttC5jGELRg7fp6U4W8KqVWGMKSCQFGCR0qSigCOS3hlR0lhjdZCC6soIYjHX16D8qEt4YkRYoo0WMkoFUAL9PTqakooAKKKKACiiigAooooAKKKKACiiigDF8Xo0nhHUUjUu7RYVVGSTkcCulimiEKAyIDtH8Q9KqZx0p3mP/eP50AMvtOsNSu7ae8laQW53LD5xETHggsmcMQRkZ6Vf8+L/AJ6p/wB9CqfmP/eP50eY/wDeP50AXPPi/wCeqf8AfQpPPhP/AC1T/voVU8x/7x/OjzH/ALx/OgB2mWtjpGk2em2LKlrZwJbwqZMlURQqjJ68AVa8+L/nqn/fQqn5j/3j+dHmP/eP50AGp2dnq1n9murh1iLAsIZzHvH90kHlT3HQ1Zia2ghSKFoo40AVVUgAD0qt5j/3j+dHmP8A3j+dAFzz4v8Anqn/AH0KPPi/56p/30Kp+Y/94/nR5j/3j+dAFzz4v+eqf99Cjz4v+eqf99CqfmP/AHj+dHmP/eP50AXPPi/56p/30KPPi/56p/30Kp+Y/wDeP50eY/8AeP50AXPPi/56p/30KPPi/wCeqf8AfQqn5j/3j+dHmP8A3j+dAFiWWNkAWRSd68Bv9oVVp3mP/eP502gAooooAKKKKACiiigCs/8AyFoP+uEv80qzVZ/+QtB/1wl/mlWaACiiigAooooAKKKKACiiigAooooAqaf0uf8Ar4erdVNP6XP/AF8PVugAooooAKKKKACiiigAooooA5/XNR1hPEem6Toj2MTXVrc3Mkt5C8gAiaFQAFdevnHn2qjH4rvbXXbXR9SS2kmFwY7q6t1YRbfs8sw2gklXHljcpJ4ZT/EALuueFLPxB4k0y81aysr6xs7W5iaC6iEn7yRoSrBSCOBG4J68j1NJfeFYS2jwaPDa2FlYTTO0MUexQJIJY/lVRjO6QE9O9AF//hI9JEMcpvUWOS0F6jMpGYTgBun+0OOvPSqP/CZ6PcxzLZ34iuIfKaSO6tZUaNXkCLuRgrDcTgfUHpXPN4N1l7F4tTutNt7a10hbCFo2difLdGEjkgABgnIA+X1eqVv9t8ba5qE1vcaRIhtbRQ+n3LXEMZjuvMZGm2jcxUZxtGMjr1oA7i18VaLe6q+nWt8sl0krwsuxgokQndHuI27xgnbnJUbgMc0+61yzsL29S9u41S1ghlaJYnMg8xpFXpnfuKYVVG7IPXIrJt/C95DLp7GS3/0bXbrUnwTzHKtwFA4+8POXPbg89Mv1fw3dX2qavdxLayrd2lnFDFNJJGd8Mszk70+aM/vF2yLkqRnBwAQDasNXstSsWvLWb9yhIkMqNG0ZHJDqwBU45wQOCD3qtpvibStVu/s1nNN5pUsgmtpYRKB1KM6gOO+VJ4INQaLpOpWvh24s7+7KTzF/K23D3BtlK4C+c+HkIOW3Ng846AVgaF4Lu9M8QafqA0XQ7J7ON4prm0nYzXgcAF3/AHK4bK5xubJY88ZIBo32v6lL4pm0fT7/AEjTpYyqww6gjPLd5QOXjUSJlRkrwDyp57C2PFVtYwGbxFNDpbR2lpLcW0mS1q87ugDSD5SCy7RjptYk4IxFren61dz3cA0zR9c0y52kQalcGHycAZTAhkDjcN2SRgnGOM1mnwVqW6IS38V4yW+jwvPOWDzNZ3MksrsOeWVxjk85zjrQBvN4r0ddNW++0SmNpDEIltpTNvAyV8kL5gOOcbenPTmqieMrC81LT10y5gnsp2uEuJ2yvlNEgYjnGMZ5z0/CsrV9Mn0G6uPEEt5pkQi1VryNb66NvEyyWyQbWk2NtbIJGFbPA4zxnaFoN74jtZ7yS5tBFNdX+Z7dWMbrNEqK0X99QQecjOO3QAHR33j7R7XRtRvoftMrWVq9yIXtJojOFH8BZPmGcZZcgAgnirLeNNEj8rzp5498aSO32SYpAGAYea+zbFwQSHK4BBOAc1zdj4AvZLW6ttQCW27TZ7CK4Or3eoNiVQpYRy7Uj+6CQN2eBkY5tXvhnX7jT9b06KLTfs/iGILdTtdyBrNjbJA2xPKxKAI9wJaPOccYyQDoR4q0U61JpQvl+2xSiGSPY2I3KhlVmxtUsGG3J+Y5AyQRWvXKz+F7ySa/dZLcfaddttSXJPEUawAqePvfumwOnI5rqqACiiigAooooAKKKKACiiigArmNWn1q78ZW+j6PqMdijWTXDM9uJckPjv8AWunrk9WvJ9I8f22qDS9Qvrcac0JNlB5hDF888gdBQBB4jh8W+HNBn1STxDb3CwsgMYsVXducL1yfWu1k/wBY31NcN4u8ST+IfC9zpln4b16OaZoyrTWeFG2RWOcEnoPSu5k/1jfU0ANooooAKKKKACiiigDzj4g/8k88Q/8AXhP/AOgGij4g/wDJPPEP/XhP/wCgGiuutsjipfHL5fqdTYf8fDf9cn/9BNaGh/8AIvad/wBesX/oArPsP+Phv+uT/wDoJrQ0P/kXtO/69Yv/AEAVnX+I3o/CSaj/AMef/bSP/wBDWrR6mquo/wDHn/20j/8AQ1q0eprA2Cq939+1/wCvmP8AnViq939+1/6+Y/50AbNFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAEF7/x6P8AhVMfdFXL3/j0f8Kpj7ooAev3vwP8jSUq/e/A/wAjSUAFFFFABVYajZNP5K3luZd23YJV3Z9MZ61ZrgdF0bSH8Eahf3FhZi5F1qL/AGoxKsgYXU2Dv6gjA5zQB31Fea3niPxYunJJpQWU6fpkFzfLIqhmdot53bvXB6U1Na12O/1eWyvFluNQu7SK0t2jGIi9sJSFJOOgPXjjPU0AemVT/tfTf+gha/8Af9f8a5bQvEPiiWG9tb3RUvbyxvDbylbmOLgxRSqT1B4lI4/u+9LceGtCHxG0+IaLpwjbSbpin2VNpImtwDjHXk/maAOzVg6hkIZWGQQcgilrkB4gvIITokQhTWVvBbxKseEEJ+ZZAv8AdEYI+qmqWh+ItbuLXRtSvb60uINSvWs2toYceXxIQxfOd3ycjpzQB3lFee+GfFmu6rf6RcTwXJs9TYh0ks1jigXy3cFJd2X5QADHIJPau+t0ljtokuJfOlVAHkC7d7Y5OO2T2oAkooooAKKKKACiiigArl3tV1HxXqsd7qt7ZwW62qxLbzbAXlJXHIPUhR+NdRXG6je3Fhrury2crRSNfaLCzL3SS7VHH4qzD8aAN8+DYgCTrmsADqTcr/8AE0i+DoXUMmu6wysMgi6Ugj/vmuUS61i5s42uNYu5hqt9qtiYlCgRRRG5Mezj7wMSjd6cY71jQaxq9npdnZW19OkdnpFq1s7alFbh5DGSwYMpMm1gBheRjHWgD0X/AIQyP/oN6z/4Er/8TR/whkf/AEG9Z/8AAlf/AImuS8S69fRabr91d+IZNJvdP09HsooioWdmtwzHyyMv85IyOn4VW8QeIteXVNVFtdPBNZxx/YA1/HBHIxt0ky8TAtKPMZgdvUDaORQB23/CGR/9BvWf/Alf/iaP+EMj/wCg3rP/AIEr/wDE0nh6S+u/FXiaS6v5ZLa0vltba1wAkYNtbyMc9SdzHHpk+vHS0Ac3/wAIZH/0G9Z/8CV/+Jo/4QyP/oN6z/4Er/8AE10lFAHN/wDCGR/9BvWf/Alf/iaP+EMj/wCg3rP/AIEr/wDE10lFAHN/8IZH/wBBvWf/AAJX/wCJo/4QyP8A6Des/wDgSv8A8TXSUUAc3/whkf8A0G9Z/wDAlf8A4mj/AIQyP/oN6z/4Er/8TXSUUAcvN4PRFG3XNYBJxzcqf/Zag/4RRf8AoO6x/wB/l/wrqrj7i/71eceOB8RotasT4HuNPexuHEc63MGWtvV855Xj65oA0ZNPfSfE2hxJqeoXKXVw4kSeYFSFjLDgD1x+VdVXOXyTxeIfCiXcwnnWaQSShNodvJOTjt9K6OgAooooAKKKKACiiigCs/8AyFoP+uEv80qzVZ/+QtB/1wl/mlWaACiiigAooooAKKKKACiiigAooooAjt4EgEnzsTJIXPHTPapvk9W/Ksu2s4bl7l5gzN57DPmMOPwNT/2Xaf8APNv+/jf40AXfk9W/Kj5PVvyql/Zdp/zzb/v43+NH9l2n/PNv+/jf40AXfk9W/Kj5PVvyql/Zdp/zzb/v43+NH9l2n/PNv+/jf40AXfk9W/Kj5PVvyql/Zdp/zzb/AL+N/jR/Zdp/zzb/AL+N/jQBd+T1b8qPk9W/KqX9l2n/ADzb/v43+NH9l2n/ADzb/v43+NAF35PVvyo+T1b8qpf2Xaf882/7+N/jVPVDo+jWJvNTcwQBlTeXc/MxAAwMkkkgUAbPyerflR8nq35VzVtrHhm7tp54bv8Ad24BkLmRCoJwDhsEjJxmtj+y7T/nm3/fxv8AGgC78nq35UfJ6t+VUv7LtP8Anm3/AH8b/Go7ezsLq2iuIFdopUDo29xkEZBwTkUAaPyerflR8nq35Vly2+mQXNvbzEpLcllhQyNlyBuOOfQZqf8Asu0/55t/38b/ABoAu/J6t+VHyerflVL+y7T/AJ5t/wB/G/xo/su0/wCebf8Afxv8aALvyerflR8nq35VS/su0/55t/38b/GsqHU/Dlxqh0+G63XO4rt3SBSR2DfdJ9gaAOi+T1b8qPk9W/Ksu2t9MvFka1JkEUrROVkb5XU4YdexqGwk0XUyosJhOWt47kbZX5ikLBG69Dsb8qANr5PVvyo+T1b8qpf2Xaf882/7+N/jR/Zdp/zzb/v43+NAF35PVvyo+T1b8qpf2Xaf882/7+N/jR/Zdp/zzb/v43+NAF35PVvyo+T1b8qpf2Xaf882/wC/jf40f2Xaf882/wC/jf40AXfk9W/Kj5PVvyql/Zdp/wA82/7+N/jR/Zdp/wA82/7+N/jQBd+T1b8qPk9W/KqX9l2n/PNv+/jf40f2Xaf882/7+N/jQBd+T1b8qPk9W/KqX9l2n/PNv+/jf41i6vqui6LfR2d1BdyTyR+aqwK8ny5xng+tAHT/ACerflSMdzE+pzXFyeLfD0CeZNZ6nEgIy7wSKBzjqTXav/rG+poAbRRRQAUUUUAFFFFAHnHxB/5J54h/68J//QDRR8Qf+SeeIf8Arwn/APQDRXXW2RxUvjl8v1OpsP8Aj4b/AK5P/wCgmtDQ/wDkXtO/69Yv/QBWfYf8fDf9cn/9BNaGh/8AIvad/wBesX/oArOv8RvR+Ek1H/jz/wC2kf8A6GtWj1NVdR/48/8AtpH/AOhrVo9TWBsFV7v79r/18x/zqxVe7+/a/wDXzH/OgDZooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAgvf+PR/wqmPuirl7/wAej/hVMfdFAD1+9+B/kaSlX734H+RpKACiiigArDTwZ4djvjeJpNuJzKZi2Dy5O4tjOOSSa3KKAMzUfDmkatdR3Oo2ENxNGMK7Dn/6/wCNJL4b0aa2a3k06BomRYyu3qqnIH4ZNalFAFDTNE03RlYaZZx2wZQrbP4gCSM/ix/OrJtIGvUvGiU3EcbRLLj5gjEEj6Eqp/AVNRQBj2OjSrrc2ranJDLdFDDCIYyqxxZyM5JJb1P5Yqr4d8G6boUFu5t4Zb+FWU3Spgtkk5x689a6KigDLtPDej2OpNqFpp8MV02cyKOeeuOw/CtC3gitbaK3t0CRQoERB/CoGAPyqSigAooooAKKKKACiiigArL0q1ZPFWtXFzATbzJaiJmTIZkDE4+hK8+talGcd6ALQ+zLt2xAbWLLiI8E5yRx1OT+dQyWmnTMhls4XMZyha3zt5zxxxzzUe73/Wjd7/rQBm+IvD6+IZAJL97e3aFoJoltEdpEbIYB2UsuQSPlIrWNpp7PC8lrHJJAAscjw7mQDpgkZFR7vf8AWjd7/rQBbV4UZii7S53MRGRuOMZPHoB+VO89P9r/AL4P+FUt3v8ArRu9/wBaALvnp/tf98H/AAo89P8Aa/74P+FUt3v+tG73/WgC756f7X/fB/wo89P9r/vg/wCFUt3v+tG73/WgC756f7X/AHwf8KPPT/a/74P+FUt3v+tG73/WgC756f7X/fB/wo89P9r/AL4P+FUt3v8ArRu9/wBaAF1S9e3sjLbWk15IrDEUQwT+JwKwP7e1X/oWL7/vtP8AGt7d7/rRu9/1oA5jzNT1XxPos0ui3VnDaTO0kkrKRhoyOx9cV09G73/WkyPWgBaKTI9aMj1oAWikyPWloAKKKKAKz/8AIWg/64S/zSrNVn/5C0H/AFwl/mlWaACiiigAooooAKKKKACiiigAooooAqaf0uf+vh6t1XsYZVWfdG43TsRlTyPWrXlv/cb8qAG0U7y3/uN+VHlv/cb8qAG0U7y3/uN+VHlv/cb8qAG0U7y3/uN+VHlv/cb8qAG0U7y3/uN+VHlv/cb8qAG1zHj0XB0OyFk0a3H9q2XlmVSyBvtCYyAQSPxrqfLf+435UhiZvvRk855WgDz/AMX6Tqc3h661HX7m0kltUCwJZRNGvzOoJbcxJ9h070f8JHNHrVrpkt/ILyTxFIhgydwttjlQR2Q4GM9ccZxXoBiZhhoyR6FaT7P8+/yfm/vbeaAPMdI1qSXVPCh/4SC5l1K/u2Gq6d5u9Yz9mmbay/8ALHDKMJxnHQ7eKVtq+sz+F21ZtZvBJYeEtN1FYw/yy3DrOWd/72dgyvQ9+gr0EeFmfXo9SvNQvLpYJmnt7V4okjhcqyZBRA7YV3HzMfvZ64I2vs+Fx5PGNuNvb0oA5TxbZvf+JPDNul1NahrifdJA218eQ2QD2z6jmuWutY1DUdO0lLrxFFo6m2kdrq6uGgSZhKyBdyspLBVBIyfXFeqmJiQTGSR0O3pTGtFdQr24YDoCmcUAeWXHiS/fQ9Hvb/ViJvsIaSG3uvs8pnVju2oQRO/AHk9cjB+/XV+Oru4g0ixjg1D+zEuroRzXskhjjhURu+XYEFQWVV4I+ZlHOcHqTaqduYAdpyMp0PrSvB5ilZItynqGXIoA4nwhe3uoeGNasptSh1Se3lkitp4JCwkjaJSrBixLDeXG4k8qR24zb7xNZad4K0mzgudMnvLYW8V3p1wC0yvlVPyKQUIbJ3EY/OvSEt/LGI4dg/2VxTfsiFy5t13Hq2zk0Aclo+s6b4eOqWmt30FlcvqNxPHBM4Dyo7llKL1fIPRcnPHXiqXgCzuNO1RLO9iMVxb+GtLjljPVWD3QIru3tVkcM8AZl6EpkineU24t5ZyRgnbQAlFO8t/7jflR5b/3G/KgBtFO8t/7jflR5b/3G/KgBtFO8t/7jflR5b/3G/KgBtFO8t/7jflR5b/3G/KgBtFO8t/7jflR5b/3G/KgBtc8n/JWbX/sEP8A+jRXR+W/9xvyrH1fwlpmu3UdzqVpJJLGmxWWR0wuc4+Uj1oAj+Jv/JPdQ/3of/RyVuSf6xvqa5g/Dfw8fvWExGehuJT/AOzV08n+sb6mgBtFFFABRRRQAUUUUAecfEH/AJJ54h/68J//AEA0UfEH/knniH/rwn/9ANFddbZHFS+OXy/U6mw/4+G/65P/AOgmtDQ/+Re07/r1i/8AQBWfYf8AHw3/AFyf/wBBNaGh/wDIvad/16xf+gCs6/xG9H4STUf+PP8A7aR/+hrVo9TVXUf+PP8A7aR/+hrVo9TWBsFV7v79r/18x/zqxVe7+/a/9fMf86ANmiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigCC9/wCPR/wqmPuirl7/AMej/hVMfdFAD1+9+B/kaSlX734H+RpKACiiigArAvvEtzBrtxpenaFe6lJbwxzSyQywoqiQuFH7x1JPyHpW/XJTX02jeOdUuZdK1K6gurO1WOW0tjIu5Gm3A46H51/OgDesdYtL6xNzv8jY5jlSYhWikHVG9x/9em3Ot2lvqlhp6t5s9+HaIIwwEQDc2SenIHHJz7HHC6zoGqSW8N61sxguNQnu57U2YuyquiqgaIkAkFc5/hzUdv4UvhHY3EGniW7Sz1LyJLi3WDyWk2eSmFOY1+8AARgZ6UAekpd28iu0dxE4jGXKuDt+vpVbVNXg0mKF5wz+bcw2+EIyplcIpOe2T+leXjwnM0epW+g2GqxC/wBEvbCVby3SCM3EiqYj8qrkfJINxzjcB/FW3d2uo65r95fDR7uC2kn0kRi4QBnSK4laQle2A3IPbB70AdY3ijTzpEOqW7NPZyXH2dpUGBEd5Qs2eigjr9Kt32qRWN5Y2rI8s17KURI8EqApLOf9kcAn1YVieF/D0Nr4On0S6sVtkaa4WREQKGDSMysuOD8pXB7Ee1U9P0fWpdP1Se/Cy6jDaSWFgHJVWAU4fOcje2PmBBwPagDotU1yz0vQtR1RnFxFp9tJcypAwZiqKWIHPUgHrWh5qc5deCFPPQnoPryPzrx2fwxPFY6quh6brA+16FfWc0U9qkSyTvGDFgKq7h8kgyc4LKP4q6XU7HU01i+tIdMuJ1vfEFjqAuEA8tIEFsrEn+8Ghb5euOelAHdi5gM5hE0ZlHVAw3D8KerK67kIYHuDmvL9J8PanH4mg+1wyrcRak9w9wmmqpaPzWYA3W7LDYVGMf7PavSrLyvsieRbm2j5xEY9m3k9u3rQBPRRRQAUUUUAFchc2uiS+Jdeu/EriO0s4bUiR53jVN+4c7SOpCiuvrG0f/kcPEf/AF72v/oMlABp3hPwrqul2mo2NrK9tdwpPCxupxuR1DKcFsjgirP/AAgnh3/nyl/8C5v/AIun+BI3i+HPhuOVGR00q1VlYYKkRLkEVvUAc9/wgnh3/nyl/wDAub/4uj/hBPDv/PlL/wCBc3/xddDRQBz3/CCeHf8Anyl/8C5v/i6P+EE8O/8APlL/AOBc3/xddDRQBz3/AAgnh3/nyl/8C5v/AIuj/hBPDv8Az5S/+Bc3/wAXXQ0UAc9/wgnh3/nyl/8AAub/AOLo/wCEE8O/8+Uv/gXN/wDF10NFAHPf8IJ4d/58pf8AwLm/+Lo/4QTw7/z5S/8AgXN/8XXQ0UAc9/wgnh3/AJ8pf/Aub/4uj/hBPDv/AD5S/wDgXN/8XXQ0UAc9/wAIJ4d/58pf/Aub/wCLo/4QTw7/AM+Uv/gXN/8AF10NFAHPf8IJ4d/58pf/AALm/wDi6P8AhBPDv/PlL/4Fzf8AxddDRQBz3/CCeHf+fKX/AMC5v/i6P+EE8O/8+Uv/AIFzf/F10NFAHOt4J0CBTLHZPvjG5d1zKwyOeQWwfoa05P8AWN9TVuf/AI9pf9w/yqpJ/rG+poAbRRRQBWf/AJC0H/XCX+aVZqs//IWg/wCuEv8ANKs0AFFFFABRRRQAUUUUAFFFFABRRRQAUVh+J3ext4dWgnKzWZbZbljtut2B5eB1Y4+U9j+NZWma/IwbW7yy1KWe7AgOn2sJkNiEJO2QA8SEucnvwBkAGgDsaK5S28VXNz4iu9Ont7eKOMzKIXkZbgBM4cgjaVYDcApJw6kjg4h07xDqk6+G49Ps7NrfULGG4kiaaQywxlVLtkjBA3KASckmgDsaK4TSviG2pa1bQJFbNBdXLW6xR+YZ4sFhufK7MfL2PcV29v532dPtQjE2PnEZJXPtmgCprep/2Po1xf8Aleb5IB2ZxnkDr+NUP7V8Qf8AQuf+Tkf+NHjb/kTdQ/3B/wChCp9Qe4tdStpEuJiJpkTYVAiVSQCCeu45OOaAIP7V8Qf9C5/5OR/40f2r4g/6Fz/ycj/xpNOu7l7uzlkuHcXjTB42xtTYTjbxx09636AMH+1fEH/Quf8Ak5H/AI1pabcXtzBI+oWQs3VgFTzQ5I9cjirlA6P9R/WgAoornYvEUthC1nrERk1VW2xRQrgXWSdpT2x1z0wc0AdFRWJHr9vp+jqdZv7WbUIEVbmK1YMxlLBAqpnOS7KoHqRSJ4jt7mTT9n2i2e4untzbT2xEhZYXk2kH7vyqGzzngd6ANyiudh8a6dLBdu9tfwSWskcTQTWxWR3fO1VHcnHSruneILbUgwht7uOWOVY5YJoSskWRkFh2BA60AR6prV3Z6tDp9hp322WWEzf60JgA4PX6iov7V8Qf9C5/5OR/41HfiVvG8AtmVZjpkwjZxlQ29cE+2aGuLqG3nEF3LNbPNbwx3EmC255dkm04xgArg46560ASf2r4g/6Fz/ycj/xo/tXxB/0Ln/k5H/jV7SZZW+2QTStL9muDEjvjcRsVuce7GtCgDB/tXxB/0Ln/AJOR/wCNbkZYxIZAFdlBYA5AJHTNOo/hX/dH8qACiue1XV9TOr3NhocMcstlZfaZVk43u5ZYkHsdjkn/AGQO9QaVr2qS2sVpcW3m6k8hI8yPydsPH7yRedh6gLkk4FAHUUVS1XVbfSLVZrkSOZJBHFFCm95XIJ2qO5wCfwNc9feNQ11o9rp9rdrLfamLK4WW2O+2AiMpDL2LKBj0Vi3bFAHXUVk6h4kstN1AWcqXEsioskzQQl1t0YkKzkfdB2t/3yain8VWUOpSWggvJVhkEc1xFbloomwDtZh0OCPzFAG3RXOReOdKubVJ7OK9uvMkaOOOG2YvIU+/tHcL3PvUz+L9PFpbywxXdxLcNIq2sMBaZTGQsmU7bSQD6EigDdornZvG+kxLZhRdSy3iTPFBFAWkzC6pKpHZkZsEf7LelaN1rtja6PFqfmGa3uAhg8ldzTb8bAo7k5GKANGisRfEdvPNZeX9ojaYTZtXtiJGMaglT6EZ6c5zUEPjXTprOab7NfpJFci1Fs9sRLJKV3bVXudoJ/A+lAHRUVzUvioM1ld26PHai+Wwv7e4iKTQSS7REcf7zxjH92Xd/Dz0tABRRRQAUUUUAFFFFAHnHxB/5J54h/68J/8A0A0UfEH/AJJ54h/68J//AEA0V11tkcVL45fL9TqbD/j4b/rk/wD6Ca0ND/5F7Tv+vWL/ANAFZ9h/x8N/1yf/ANBNaGh/8i9p3/XrF/6AKzr/ABG9H4STUf8Ajz/7aR/+hrVo9TVXUf8Ajz/7aR/+hrVo9TWBsFV7v79r/wBfMf8AOrFV7v79r/18x/zoA2aKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAIL3/j0f8ACqY+6KuXv/Ho/wCFUx90UAPX734H+RpKVfvfgf5GkoAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKytE+Txnrzv8AKjRWoDHgEgPkfqPzrVpQSOnFAF3zo/8Anov/AH0KPOj/AOei/wDfQqlvb1o3t60AXfOj/wCei/8AfQo86P8A56L/AN9CqW9vWje3rQBd86P/AJ6L/wB9Cjzo/wDnov8A30Kpb29aN7etAF3zo/8Anov/AH0KPOj/AOei/wDfQqlvb1o3t60AXfOj/wCei/8AfQo86P8A56L/AN9CqW9vWje3rQBd86P/AJ6L/wB9Cjzo/wDnov8A30Kpb29aN7etAF3zo/8Anov/AH0KPOj/AOei/wDfQqlvb1o3t60AXfOj/wCei/8AfQo86P8A56L/AN9CqW9vWje3rQBd86P/AJ6L/wB9Cjzo/wDnov8A30Kpb29aN7etAF3zo/8Anov/AH0KPOj/AOei/wDfQqlvb1o3t60AWp5YzbyAOpOw9/aq0n+sb6mk3t60hOTk0AFFFFAFZ/8AkLQf9cJf5pVmqz/8haD/AK4S/wA0qzQAUUUUAFFFFABRRRQAUUUUAFFFFAFW4063ur+1vJgzS2m/yhn5QWABJHc8cHtzRHp1vFqs+oRhhPPEkUmD8pCliDj1+YjPoAO1LJqNlFIUlvLdHU4KtKoI/Wm/2rp//P8A23/f5f8AGgCkvhixGqm+Z7mQ73kjgeYtFC7ghnRezEM//fRqC08H2Fjf2d1Z3F9CbS2itUjS4Oxo4xhQw7+/rWp/aun/APP/AG3/AH+X/Gj+1dP/AOf+2/7/AC/40AZ9p4VsrK+W4gnvPKjcyR2huD5EbHJyE+pP51r28P2e3SLzJJNoxvkbcx+pqD+1dP8A+f8Atv8Av8v+NH9q6f8A8/8Abf8Af5f8aAMzxt/yJuof7g/9CFX59Na4vFkkupDAsiy+QQMbl6EHqBkDiq2sNpmsaXNYS6nbxJMAGZZVJAyDxz7Vd/tTT/8AoJWv/fa//FUAQWujrbXSSee7xwlzDEVA2Fvvc9T171pVU/tTT/8AoJWv/fa//FUf2pp//QStf++1/wDiqALdA6P9R/Wqn9qaf/0ErX/vtf8A4qlGqacFP/EwtiSR/wAtVHr70AWqzbzSmufEOm6kJQq2Uc6FCOW8wLjn22/rU/8Aaun/APP/AG3/AH+X/Gj+1dP/AOf+2/7/AC/40AVNV0C1vbG7W1tbOK6uFw0r24O/kEhiOcHHUHI6jkCsjTvCN5aJpjPeRK1lfS3awxqxijDW7whE3EnGX3nJPJbtiui/tXT/APn/ALb/AL/L/jR/aun/APP/AG3/AH+X/GgDkx4L1G78JHSdXuLCaVLpbtJI45As0gcu3mfNnBJ7EYHHatTw14cn0CGXYlhHJczK0y26OF2hccFmLFunU4rY/tXT/wDn/tv+/wAv+NH9q6f/AM/9t/3+X/GgDG1O3+1+MorYu0fnaXPHvXquWUZHvWiNKlexa2uL1pAGRoSIlXymQ7lOB15A49qidtMk1yPUzqluHjgaFU8xSCCwJPX2FXf7U0//AKCVr/32v/xVAC2Nl9jjk3StNLNJ5kkhAG5sAdB04Aq1VT+1NP8A+gla/wDfa/8AxVH9qaf/ANBK1/77X/4qgC3R/Cv+6P5VU/tTT/8AoJWv/fa//FUp1XTuAL+2OAB/rl9PrQBkiCaz8d3MxV/K1SxjiSZVyIpITIcH/eEpIzx8hHcVV1XwdJdabFBZXpWfzTLcSzZPnsRjedpByvVR0Hpit/8AtXT/APn/ALb/AL/L/jR/aun/APP/AG3/AH+X/GgCjrGjXN7YaeLW6X7Zp86TxSXCkrI6oyfOBg8hieO9Z1t4VvDqdtqd/dwG7Gqf2hOsKERnFo9sFXJyOCrHPvW//aun/wDP/bf9/l/xo/tXT/8An/tv+/y/40AYfiPwxdazqkFzaz28GxAnnFGE0BBzujZSATz0YEDHHU1JHo2s2OqXraXe2cdnfXP2mUyxM0yMVVSF524wg6jua2P7V0//AJ/7b/v8v+NH9q6f/wA/9t/3+X/GgDk7zwC8+i6RbCW2uJ9MM20XCuInEhySdpDZHGOfWo7r4eeZp2mLCtgZ7I3BMLpIID5zKzEbWDZBQYJPOTnmuw/tXT/+f+2/7/L/AI0f2rp//P8A23/f5f8AGgDC0rwgdNm090kgjW1sby3eKGMqu+4mjlJXJzgFCOck5yec1OfDkq+BbLQlkt5ZbW1hgLTRkxyGNQOQDkA46g5Fa39q6f8A8/8Abf8Af5f8aP7V0/8A5/7b/v8AL/jQBztn4Tv7SOwkjv4luLNbnyxsZo4jKoChQTnapGcEknNVZPBN9eeFLPS9QksJJrC6FxDtSQRynYynzPm3EnexyCOQK6z+1dP/AOf+2/7/AC/40f2rp/8Az/23/f5f8aAOQHhqXT7Gy0aKCBZ77VodQna0jYRQpbtHISSxJJPlRpyc5k44U47qqn9q6f8A8/1t/wB/l/xq3060AFFFFABRRRQAUUUUAecfEH/knniH/rwn/wDQDRR8Qf8AknniH/rwn/8AQDRXXW2RxUvjl8v1OpsP+Phv+uT/APoJrQ0P/kXtO/69Yv8A0AVn2H/Hw3/XJ/8A0E1oaH/yL2nf9esX/oArOv8AEb0fhJNR/wCPP/tpH/6GtWj1NVdR/wCPP/tpH/6GtWj1NYGwVXu/v2v/AF8x/wA6sVXu/v2v/XzH/OgDZooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAgvf+PR/wAKpj7oq5e/8ej/AIVTH3RQA9fvfgf5GkpV+9+B/kaSgAooooAKY00SyCNpEDnopYZP4U+uL0bSdJ1bRrvVNet4JL5by7V76VQJoFSd1Ta/VMIq4xj17kkA7SiuGk8Rastje6taXsEmn6ddJa/Z5Lfc9yPkG8yAjaTvzjb2pjeIvEkl6fIksBDPrE2lwI0TZQKHPmsc8kBCNuMH1FAHd7huC5GSMgUtecpqOrav4s0MQXVpbXy2+r2b3EkRZW8m5t0LLHkZLeXnbu4BJycc6Nlr+ta1NY6daXNtZXLJema5a3Mqv9muRBwm4bd2d3U46c9aAO1JAGTwBUaXEMrbY5o3b0Vga4x/EOq6n4Pumk0d5IntbmOW8jmjVFKGRCdhO7+HOBnr3rH0fSJdLPhW5l0fRdNWaaJBcaWpE0uYXO2T5F+U4yeTyBwaAPT6K4ew17Xrq10O/e8tRD4gZooYBanNmxgllVi2/wDeY8rGMLnPUVoeEfE9z4onv5GijtYdOmeykj+8ZpVIzKjf88j/AAnGWyemOQDo/tVuG2meLdnGN4qWvNfB/hw3cK3c/h3w5PbtqF0zXU0e65IFzJzzHjIxx83YVpr4h11tUl3S2aWj6vJpcKCElx8pIkY57Efd7+ooA7YkKpLEAAZJPalrybTdf8QQ+CZ0uLizvobPwy2ozNcwFmmYicBGBYgr8i5JPOMY5419Y8Y63Bq2rpplvM8ekukYgj05pUuCYI5uZgwEefN29DgAHvigD0KiuTn13VIPGH2ad44LE3CQRhrZmSTcBgmYHCuSSAhHYc811ECypCFuJFlkycuqbQeeOMntQBJXOaXd+KNZsReWcWkrC0jooleQN8rFeQAR29a6OvOtP8Tal4cWyn2xyaNb6TrF/dQhsSSNDPGeBjGRvAHIHzvnoMgHXfZvGH9zRP8Av7L/APE0fZvGH9zRP+/sv/xNZul/EC4u3vojbWuoTW9m90g0uSR1O1lGxi6LhjuBGM8Bqrz+Ltbv7LS5dMbTCX1eG3mkt7hmR42zlRlNwPHOQO2D1oA2vs3jD+5on/f2X/4mj7N4w/uaJ/39l/8Aiai8PytpWteLP7S1S5uLa0lilMt44Pkp5Cs2MAAKOe31zXI+INU8QW/gvz9PuJbbU7XTr/xDceZIT9m3pIIoGHOQPNlKZGCbYDAHIAOz+zeMP7mif9/Zf/iaPs3jD+5on/f2X/4msXU/iVNpeqXlpNDYGTTWjjurcTSGaWQxJI3kgJgjEgA3FSSDkCteTxXeDxdJo8dtaRgNsRJ52SaT5ciRRt2lMnHXdweKAH/ZvGH9zRP+/sv/AMTR9m8Yf3NE/wC/sv8A8TXL2h1TxB4V0+41S/ll1q4hlSyt7Od0VJBIwFw5XblV4yGBX5e5NbWsa1d2Gq3l3GxuDoWleX5KuQl5ezldkJ9Gyke3g/6/t3AL32bxh/c0T/v7L/8AE0fZvGH9zRP+/sv/AMTXJ6b4p1nwhZ32l61d2t4bbVINKsru6lcDC2EczNKQpbLAFuNx3yEZwAa2l+IFxL4dF9FbWodbxrWS6eSQWi4QNv3bN+DuCj5fvZ7c0AaX2bxh/c0T/v7L/wDE0fZvGH9zRP8Av7L/APE1QttS1fXvFi2E0sdtpdzo4nYWtxmQOZMEqwXuBjrnB7GrvgrzIbjWrJxPBHa3aLHaXFwZ3gBiRuZCW3bid3U43Y4xigB32bxh/c0T/v7L/wDE0fZvGH9zRP8Av7L/APE11FFAHL/ZvGH9zRP+/sv/AMTR9m8Yf3NE/wC/sv8A8TXUUUAcv9m8Yf3NE/7+y/8AxNH2bxh/c0T/AL+y/wDxNdRRQBy/2bxh/c0T/v7L/wDE0fZvGH9zRP8Av7L/APE11FFAHPWUPiBLpf7WGmrbkH/j2aRnJxkfeAAFaFW7n7qfU/8AoJqpQAUUUUAVn/5C0H/XCX+aVZqs/wDyFoP+uEv80qzQAUUUUAFFFFABRRRQAUUUUAFFFFAFOwH/AB8/9fD1bwPSqun9Ln/r4erdACYHpRgelLRQAmB6UYHpS0UARXMyW1tLO6krGhYgDkgDNRNdmL/j6tZIB0BZkIJ9PlJx+NLqUbS6XdRxgs7RMFA6k4olswvmFpZp2AO0SMCAfXAA5oAmjdZIUkAwGUNg9sjNLlQcErn0rKeGdIGiFu7tIkA4HC7QM5pLuEKW32rNL9rVvO28BTIMDd3GO1AGqGG3LAJyRyR2OM07AHXFZsVj5lzGbiDcii5bDDjLSqVyO/GTz6VJ5co0my8xGaSMQvIp5bjaW+p60AXiVAycCkJUdSo+tZbwSSQs8tu6lrhmCNEJOCoAJXv/AEpJraUvCZYRtEIXZ9n8/a2T2J44xQBrEqMZwM9Peo5pVhUfKXdjtRFHLH0FZs9pIscKiF5pFgCjfHuyw98/IeeW+npV+7VhLBMilxC5YqvUgqy8fnmgBv2xVdY5oHikZgoRtp6nGcgkYp9vdQ3FqZ0ICDO4kj5cdc1FI01y0JWB0jWZCd4wxweePSq1vYzLHFDtKRTfNMPTBP8APj9aALf21Dp8d2kbOsm3Yoxk7iAO+O/rTkuCZVjnt3gZ87N5U7sckZUnnHr7+hqt9mkOiW0CqyODCCF6rh1JP4CpLiyb7JP5cs0s5jZYzIw+UkY4wBz70AWwUIyCpxTUlikleNCC0eNwx0zWbcWwmjuPslm0ETQlNvl+XuJYY478A81ctrWO2vrkxQLGrhdrKvUDrz9aAHQXcFxZ/aVYCPBJJI+XHXNOgnjntopx8qyoHUNjOCM1n2tjKsUEBUrBIoeZfQjqPx4+vzVH9izDardQTEJaxqqxxhyGwd2QQcfw+nf0oA2cqDg4zSZUNgkZ9KyPsUjW0ryQs1wlrFGjNkneNwYj3z39/elvLMvdTuIpjN5gMbIgK7Rj+IjI79CKANbKg4JGfSjK7sZGfSsi6iUBi9q5lN0jeaVxhS4wN307U5bOU3x3o277Tv3rbjO3fnHmZ6beMenFAGsNp6YowPSq2n24gt3Jj2ySTSMxPUjzGx+GP51aoATA9KMD0paKAEwPSjA9KWigBMD0rntZ8Q39jr0OlaVpC6hNJbm4ObkRYAbHcfSuirjtW1Kz0v4l2lxqNzHbRHTHUPIcDPmdP0oANR8V+INIsXvdQ8LJFbxlQ7jUEbGSAOAuepFdnJ/rG+prgvHHibRdR8H3drY6nbzzu0W2NHyTiRSf0Fd7J/rG+poAbRRRQAUUUUAFFFFAHnHxB/5J54h/68J//QDRR8Qf+SeeIf8Arwn/APQDRXXW2RxUvjl8v1OpsP8Aj4b/AK5P/wCgmtDQ/wDkXtO/69Yv/QBWfYf8fDf9cn/9BNaGh/8AIvad/wBesX/oArOv8RvR+Ek1H/jz/wC2kf8A6GtWj1NVdR/48/8AtpH/AOhrVo9TWBsFV7v79r/18x/zqxVe7+/a/wDXzH/OgDZooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAgvf+PR/wqmPuirl7/wAej/hVMfdFAD1+9+B/kaSlX734H+RpKACiiigArKuvDOj3upC/ubFHuMgltzAMR0JUHDfiDWrRQBlT+GdHudUGoTWSNc7gxbcwBI6ErnaT9RVgaPp6shFqgKXLXa+0zAgv9Tub86u0UAY914U0O9VRc6dE5RpXRgSGUyuHkIIOQWZQTj6dDTrnwvo13Y29pPYr5NsCIgjshXPX5gQTnqcnk8nmtaigCsmn2kem/YI4EW18sx+UBwVIwR+OaztO8I6HpNzHcWFiI5IxhC0ruE7cBiQK2qKAMaPwlocVxNPHYKrzK6Nh2wAww20ZwvBIyuMZNaEWnWkNylxDbxxyRw+QpQbcR5BC4HGBjj05x1NWaKAMBfBHh5bgzpYFHaQynbPIBuLbicBsckk1pf2Pp4YEWqZFybsf9diMb/ryau0UAZg8OaQIruIWEQjvIDbzrzh4yWJT2GXbgetMvPDGjX+oLe3dikk425O5gGx03KDhvTkHgAdK1qKAM59A0t9XGqPZobwYIkyeo6HbnBPvjPSrsEEdtCIoV2opJAyT1Oe/1qSigArm/DPh/T9a8LWzahCZNpvbdhuwJIZZGEkbeqnap+qL6V0lQ6ZaR6Tp6WloziNWZvmIJJZixPT1JoAjtfC9vBHcLc32o3xniMRa6uSxRTyQuMYyQOfamw+ENPigdZZbq5neaOY3c826bcn3Pmx2ye3c1o+e/wDfb8h/hR57/wB9vyH+FAGdq/hlL6y1SOzlMM2qvD9qZzlXjXarJjsGjBX8aWLw1BJd642pLHdW+qRpaiIg/JbLFt8o+25pW/7aGtDz3/vt+Q/wo89/77fkP8KAMpvBtm1yZRfakgk2G5jS52rdMqqm+TAyWKooJBHQVZl8M2c+srqEs1022UTC2MxMPmjo+3+8OO+Kuee/99vyH+FHnv8A32/If4UAYr+BNPW6WexvtS09kjaJRaXOwBC5fb0PAYkj60xfCUzFPtN2swfWDqF2WBzPGobyEPuhEBz/ANMhW757/wB9vyH+FHnv/fb8h/hQBQvvCen311Pch7i2uJpkuPOt5djJKsZi8xfRjGdh9VAobwvbnTUtVvtRSVZDL9rW5PnFiMElunTjGKv+e/8Afb8h/hR57/32/If4UAZ48I6UkMUcKSw+Vbm3DRSlWZS27k+u75s+pq3o+i2+jRzCGWe4luH3zXFzJvkkIAUZPsAB9BUvnv8A32/If4Uee/8Afb8h/hQBcoqn57/32/If4Uee/wDfb8h/hQBcoqn57/32/If4Uee/99vyH+FAFyiqfnv/AH2/If4Uee/99vyH+FAFyiqfnv8A32/If4Uee/8Afb8h/hQBNc/dT6n/ANBNVKkaUtjczHGcdPTH9ajoAKKKKAKz/wDIWg/64S/zSrNVn/5C0H/XCX+aVZoAKKKKACiiigAooooAKKKKACiiigCG0t2iE28qN8rOOexqxt/2l/Os2Jbm5edhePGqysiqqKcAfUVL9luv+ghJ/wB+0/woAu7f9pfzo2/7S/nVL7Ldf9BCT/v2n+FH2W6/6CEn/ftP8KALu3/aX86Nv+0v51S+y3X/AEEJP+/af4UfZbr/AKCEn/ftP8KALu3/AGl/Ojb/ALS/nVL7Ldf9BCT/AL9p/hR9luv+ghJ/37T/AAoAu7f9pfzqI2cDTiZlVpByCSePw6VX+y3X/QQk/wC/af4UfZbr/oISf9+0/wAKALu3/aX86Nv+0v51S+y3X/QQk/79p/hR9luv+ghJ/wB+0/woAu7f9pfzo2/7S/nVL7Ldf9BCT/v2n+FH2W6/6CEn/ftP8KALu3/aX86Nv+0v51S+y3X/AEEJP+/af4UfZbr/AKCEn/ftP8KALu3/AGl/Ojb/ALS/nVL7Ldf9BCT/AL9p/hR9luv+ghJ/37T/AAoAu7f9pfzo2/7S/nVL7Ldf9BCT/v2n+FH2W6/6CEn/AH7T/CgC7t/2l/Ojb/tL+dUvst1/0EJP+/af4UfZbr/oISf9+0/woAu7f9pfzo2/7S/nVL7Ldf8AQQk/79p/hR9luv8AoISf9+0/woAu7f8AaX86Nv8AtL+dUvst1/0EJP8Av2n+FH2W6/6CEn/ftP8ACgCwbOBpxMyq0g6Ek8fh0qXb/tL+dUvst1/0EJP+/af4UfZbr/oISf8AftP8KALu3/aX86Nv+0v51S+y3X/QQk/79p/hR9luv+ghJ/37T/CgC7t/2l/Ojb/tL+dUvst1/wBBCT/v2n+FH2W6/wCghJ/37T/CgC7t/wBpfzo2/wC0v51S+y3X/QQk/wC/af4UfZbr/oISf9+0/wAKALu3/aX86gn0+1uWDXMFvMwGAZEDED8RUP2W6/6CEn/ftP8ACqt1dQ2MgS916O2dhkLM0SEj15FAFz+x9O/58rP/AL8r/hVpzmRiOmawhq+n5H/FT2p/7aw1uuMOwHQGgBKKKKACiiigAooooA84+IP/ACTzxD/14T/+gGij4g/8k88Q/wDXhP8A+gGiuutsjipfHL5fqdTYf8fDf9cn/wDQTWhof/Ivad/16xf+gCs+w/4+G/65P/6Ca0ND/wCRe07/AK9Yv/QBWdf4jej8JJqP/Hn/ANtI/wD0NatHqaq6j/x5/wDbSP8A9DWrR6msDYKr3f37X/r5j/nViq939+1/6+Y/50AbNFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAEF7/wAej/hVMfdFXL3/AI9H/CqY+6KAHr978D/I0lKv3vwP8jSUAFFFFABRRXMXNzr9/wCLr/TtK1GzsbeztbeX99YtOztIZAeRIuAPLHbvQB09Fc3beLYobN11OOR72G6e0aKzhaVpnQAlkQZOMMCfT9asP4u0xbKCdBdTPMzottDbO84KcODGBuG0kA5HGRQBuUViXXizTrdoViS7vWmhWcLZWrzFY2yFZgoO0Ha2M9dp9KrnxnpN1ctbWF6S8VzbxSOLdnTMvllFzwBvEgwfqcHBoA6OiuetvG+jXkwS3a6dDK8ImFs/lmVSQYw2Mb8qcL1PFUtD8d2mp6aNQvC9kv2UTNayW7hhmVowQxxu3EABQM5+tAHXUVz7eNtHhsbi6vmubFLZohKl3bPE6iWQRo+1hnaWON3Tg+lXtO1201SNWtUuA3nGGSOSBkeBwm/EikZTKlSM9dy+ooA0qbJIsUbSOcKgLE+gFOqvf/8AINuf+uTfyNAGT/wm3h7/AKCcf/fLf4Uf8Jt4e/6Ccf8A3y3+FO0PxLoui+E9Ki1XUre1k+yRPskfB2tkA49CVb8q3n13SorxbSTULdbholmWMyDJQhyG+hEb8/7JoA5//hNvD3/QTj/75b/Cj/hNvD3/AEE4/wDvlv8ACte18XaBe2lzdWur2skFqu6eQScRj1PtUtp4k0a+hupbTU7aWO0z57K4xHj1oAw/+E28Pf8AQTj/AO+W/wAKP+E28Pf9BOP/AL5b/Cti28V6DeWMt5batavbwuqSSiQBUZiFUHPqSB+NVdB8caF4k1m/0zSr2Oa5smwVDA+amyNi6/7IMqqT60AUf+E28Pf9BOP/AL5b/Cj/AITbw9/0E4/++W/wrpxqFoy3TC5jxZvsuDu/1TbQ2G9PlZT9CKxLPxtpeoa09tZXVvNZx2TXUl0svCEOF2kfjnNAFP8A4Tbw9/0E4/8Avlv8KP8AhNvD3/QTj/75b/Ctqy8UaJqFlcXdlqltNb2wzNIr8Rj3oHijRDox1YapbfYA2w3G/wCXdnGPrQBi/wDCbeHv+gnH/wB8t/hR/wAJt4e/6Ccf/fLf4Vrr4r0OaGF4NVtH+0hjB+9/1m1gpx34ZlB+oqM+MNDt4bb7fq1jFNNFE+1Zsqd65UqcAlTg4OBmgDM/4Tbw9/0E4/8Avlv8KP8AhNvD3/QTj/75b/CrsPjPTbzxDc6PaXEH2m0uIoZRLJjfvQsAmM5bjocdDV608TaLfao+m2ep2815HndCj5YY60AYn/CbeHv+gnH/AN8t/hR/wm3h7/oJx/8AfLf4VvaX4g0jWnZdJ1G3vCsaSEQyBvlcZU/QgitGgDkP+E28Pf8AQTj/AO+W/wAKP+E28Pf9BOP/AL5b/CuvooA5D/hNvD3/AEE4/wDvlv8ACj/hNvD3/QTj/wC+W/wrr6KAOQ/4Tbw9/wBBOP8A75b/AAo/4Tbw9/0E4/8Avlv8K6+igDkP+E28Pf8AQTj/AO+W/wAKP+E28Pf9BOP/AL5b/CuvooA5D/hNvD3/AEE4/wDvlv8ACj/hNvD3/QTj/wC+W/wrr6KAOa0/xJpOq3YttPu1nmKltqo3AHU9OK1Kt3P3U+p/9BNVKACiiigCs/8AyFoP+uEv80qzVZ/+QtB/1wl/mlWaACiiigAooooAKKKKACiiigAooooAqaf0uf8Ar4erdVNP6XP/AF8PVugAqpqv/IKnyu75fu+vPSrdNkjSWMpINyt1HrQBl3FtiCZoLAWCrG5dh5YLjaflwhOfx6VY+1yJE4UJ+7lhiXI7Nsz/AOhGrsirKjJIMq4IYeoNQvZW0kqyPEGZSpHJwCpGDjPXjrQBWa6uvkmUw+U9yINhU7lHmbC2c89DxgdepxyxLq4basCwRrtmkYlTxtkxwAeSfr3z7VLJp/mXqvsiWNZVlDeYxYEEMcL90EkEZ9z61ZW2hX7sYHysvU9Gbcf1oAja5bybV1VR57ICDzgEZqB7y4MeYwAPNdC6wtLgKcD5VOTn16DFXHgikhWJl+RQAoBIIx0weoqP7Ba+Usaw7EViwCMykE9eQc0AVZL+ZpljhIH7lZC0dvJcBtxPA24x93qeufanSXlyvlM8YgVolkYPGzcnqpYfcx6kd+nFWZLO3k27oyoVQoEbsnA6D5SM4/qaHs7Z3VmhX5QFCqSq4HQEA4IHoaAJmdVdVLAM33RnrWVDPdLa20NmgZvL3t8gYj5iO7qP1P0rSmgjuAPOBODkFWKkfiMGmPZ28gUGMqEG0bHZOPTIIJoArQ6mfs5luU27olljROSwIHyj1bdxgeq+tRT3t/AJWMUbrbKom8tRjdtDMMs4I69lbjH0GgLWBfLxEuIjlBknb3/LOOOnA9KbJZW8sheSMsW6jewVvqAcH8fSgCDUInku7VI3KOGcqwPcKf0qFrz/AEmeZUxIkIQo3OG34xx16/8A6q0fKTdGxGTGMKSSSOMfjTWtYHd3aJS0ihWbuQORQBmTXOoMjQvtglWSE7ygGQ0m3GFkb09enGO9WYLzyy3niOOEmXYyjaMpI4bOT1IAP4N6VOLC2UMBGx3DBLSOx9epPbt6dqe1rA0YjaJSgcuAc9SST+eT+BxQBQa/ut23YUdYxIVW0klJ3E4U7T8pwBnOeT7VZuCzCyLrsZpkJU9uDxUs1rDPJvlVix67XZc/XBGfxqQxI2zKDEZBQDgAjpQBkzXl6+mu5aFGltpJEKBsptx3z1Ofw96klvrqOSZI1MrW+FKpaSP5rbQ33gcJnOOc461fFtCFRfLXaiGNQeRtOMj9KY1hbMwLxluACDI2Gxx8wzhvxzQBTu2u55JIw8KQpdpDgoWLg7Sc8gY5/H2pyX121yjGIG3ll8tWCgdyM5357f3B/Wr3kRZJKDmQSnnqwxg/oKj+w22/f5bZzkfvGwD7DOB+VAEAurkWZvWMLRbGfytpVgAD/Fk56egpbO5uJZwkisyGMuXNq8IU5HGWJ3Zz7dKnFjbBi3lZzn5WZioz6KTgflSw2sMDFo0O4jG53ZyB7ZJx+HpQBFA6m6uppmAKyLAmTwBtVuPclv0FUmieW8Aico4uZSrZ7iNevtV82gaabdgxS4YrkghxxkH6AfTaPWpEtoYtnlx42ElSWJOSMEkk5P40AZk8wuJpW2lWVY1ZT2Pm8j3q/ZjY9zCv3IpcIPQFQ2PoM4HtUjWsDyNI0Sl3Chm6E7TkfrRbxGJXMhDSSOXcjpnoB+AAFAEtFFFABXIanYWmo/Ey0hv7aG5iGluwSZAwz5nXBrr65/WfDd3qGuQ6pp+rvp08cBgysCyZUtnuaAMjx3oGj2Pg28uLPS7OCZGi2yRQKrDMig4IHoa7mT/WN9TXHX/g7WNUs3tNQ8VTT27kF4zZxjOCCOQc9QK7GT/WN9TQA2iiigAooooAKKKKAPOPiD/yTzxD/wBeE/8A6AaKPiD/AMk88Q/9eE//AKAaK662yOKl8cvl+p1Nh/x8N/1yf/0E1oaH/wAi9p3/AF6xf+gCs+w/4+G/65P/AOgmtDQ/+Re07/r1i/8AQBWdf4jej8JJqP8Ax5/9tI//AENatHqaq6j/AMef/bSP/wBDWrR6msDYKr3f37X/AK+Y/wCdWKr3f37X/r5j/nQBs0UUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAQXv/Ho/wCFUx90Vcvf+PR/wqmPuigB6/e/A/yNJSr978D/ACNJQAUUUUAFc1d6Xr1v4ovdT0VtOeK8t4ImS7MgZTGZDkbR0PmfpXS0UAcTqfgSS8traYSwz3yXMt1MsskkUTvIoVsFCGAAAx696dJ4KnTw9bWdvFp5ljmkmeNnmVcucnbIG8z8/vd+grtKKAOWXQtc029jvdMvLW8uXsILK5kvwy7vKaRg42dyZWzn0FIPCl20VyJr2OWWfWLXUWk2FciJIFYY7EmEn0G4V1VFAHA+GdE1i80uxjvJbdLC21Ka7QGNlnBWeQhMdCpznPXmpk8BXKW0sH2yLattHDAdpyTHcmdS31OAcV3FFAHIT+F9V1See91Seziu5ZLABLYMYxHbXXn9W53Nlh6dK2NO0u60/VdUuFkheLUb8XLA5DIgtoosD33RZ+h9a16KACq9/wD8g25/65N/I1YqG7RpbGeNBlmjZQPUkUAcN4fkv7bxJaXOmaXDqLr4ctEZWlWORAZp+VZuMccj/d9Kt2/w9vI9Dv8ATZGtzLL4Us9Ehu8dJI/tAk9wp3xn3x7V1vh+2Om6FZW9xEBcw26xSMuDnHbPpya0vtA/uN+n+NAHnXjS01bUtE1jVtS0yPT1h0mW0SCSdZvNLyRtk7egGzBHvVzVfDOs+Iob9prSLS3+wR2cEcUwbeUmWTcpA+UfLgA9OK7iSWOWMpLFvRuqsAQf1pftA/uN+n+NAHnp8G6rqVlfvqFvcPNcvZRlNRvUuC0UVysrj5VCgbd3B5Jqxr1hLoeqajq0LRG+fUIb/TYkYeZcjyIrea2CdTlUyP4QzRsfuV3X2gf3G/T/ABpjmCSaOaS3DSxZ8t2VSyZ4OD2zQBz8/hW4f4eXmi+dG+oXsLtcXBB2yTudzt67c8AHooUdqxNX8M674mvtTu7jT7fSjc6YLWPbOryl1mVxuYDHQcHtXffaB/cb9P8AGj7QP7jfp/jQBwtn4V1O4g1S51K2upLma3ihiS+1BZXPlyeYCrIoC4PIJz8wGeKlg0LX47Sxv5rf7RdWOqm9S1mnQzSobaSDDygBWYGQsDj7qheortftA/uN+n+NH2gf3G/T/GgDlF0TUdS8SxazfaVaWbCwvIQiurukkhgClmA5YrG4yP4dornNK0vWLLUNS0u20u3up/7CsLCeQTBHhbypFJBI+ZcjoPQV6d9oH9xv0/xpBLGsjOsWHbAZgBk46Z5oA4uLwfqVprFk6eVLBFc2czyB8YENu0TDB68kH8aXR9B1qFfDel3dlHDbaBP5pvROrC5xDLEAqDlc+bnn+7XafaB/cb9P8aPtA/uN+n+NAHI+E/Ct5oi+E1lhhiXS/D8ljdCIjAndrZjjHXJikJPr9a7SoftA/uN+n+NH2gf3G/T/ABoAmoqH7QP7jfp/jR9oH9xv0/xoAmoqH7QP7jfp/jR9oH9xv0/xoAmoqH7QP7jfp/jR9oH9xv0/xoAmoqH7QP7jfp/jR9oH9xv0/wAaAJqKh+0D+436f40faB/cb9P8aAC5+6n1P/oJqpViWXzAuFIwSTkj0NV6ACiiigCs/wDyFoP+uEv80qzVZ/8AkLQf9cJf5pVmgAooooAKKKKACiiigAooooAKKKKAFU7BhQBk5OAOaXzG/wAim0UAO8xv8ijzG/yKbRQA7zG/yKPMb/IptFADvMb/ACKPMb/IptFADvMb/Io8xv8AIptFADvMb/Io8xv8im0UAO8xv8ijzG/yKbRQA7zG/wAijzG/yKbRQA7zG/yKPMb/ACKbRQA7zG/yKPMb/IptFADvMb/Io8xv8im0UAO8xv8AIo8xv8im0UAO8xv8ijzG/wAim0UAO8xv8ijzG/yKbRQA7zG/yKPMb/IptFADvMb/ACKPMb/IptFADvMb/Io8xv8AIptFADvMb/Io8xv8im0UAO8xv8imk5OTRRQAUUUUAFFFFABRRRQB5x8Qf+SeeIf+vCf/ANANFHxB/wCSeeIf+vCf/wBANFddbZHFS+OXy/U6mw/4+G/65P8A+gmtDQ/+Re07/r1i/wDQBWfYf8fDf9cn/wDQTWhof/Ivad/16xf+gCs6/wARvR+Ek1H/AI8/+2kf/oa1aPU1V1H/AI8/+2kf/oa1aPU1gbBVe7+/a/8AXzH/ADqxVe7+/a/9fMf86ANmiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigCC9/49H/AAqmPuirl7/x6P8AhVMfdFAD1+9+B/kaSlX734H+RpKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigCs//IWg/wCuEv8ANKs1Wf8A5C0H/XCX+aVZoAKKKKACiiigAooooAKKKKAClH3h9aSlX7w+tACbmOeQOf7ooy394f8AfI/wpB/U0tABlv7w/wC+R/hRlv7w/wC+R/hRRQAZb+8P++R/hRlv7w/75H+FFFABlv7w/wC+R/hRlv7w/wC+R/hRRQAZb+8P++R/hRlv7w/75H+FFFABlv7w/wC+R/hRlv7w/wC+R/hRRQAZb+8P++R/hRlv7w/75H+FFFABlv7w/wC+R/hRlv7w/wC+R/hRRQAZb+8P++R/hRlv7w/75H+FFFABlv7w/wC+R/hRlv7w/wC+R/hRRQAZb+8P++R/hRlv7w/75H+FFFABlv7w/wC+R/hRlv7w/wC+R/hRRQAZb+8P++R/hRlv7w/75H+FFFABlv7w/wC+R/hRlv7w/wC+R/hRRQAZb+8P++R/hRlv7w/75H+FFFABlv7w/wC+R/hRlv7w/wC+R/hRRQAZb+8P++R/hRlv7w/75H+FFFABlv7w/wC+R/hRlv7w/wC+R/hRRQAZb+8P++R/hWP4eu57s6o1zIZDHfyRpn+FQq4ArYrB8LdNX/7Ccv8A6CtAG9RRRQAUUUUAFFFFAHnHxB/5J54h/wCvCf8A9ANFHxB/5J54h/68J/8A0A0V11tkcVL45fL9TqbD/j4b/rk//oJrQ0P/AJF7Tv8Ar1i/9AFZ9h/x8N/1yf8A9BNaGh/8i9p3/XrF/wCgCs6/xG9H4STUf+PP/tpH/wChrVo9TVXUf+PP/tpH/wChrVo9TWBsFV7v79r/ANfMf86sVXu/v2v/AF8x/wA6ANmiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigCC9/49H/CqY+6KuXv/Ho/4VTH3RQA9fvfgf5GkpV+9+B/kaSgAooooAKUnBAC54zyaSg/eH+6P5mgAz/sD/vqjP8AsD/vqiigAz/sD/vqjP8AsD/vqiigAz/sD/vqjP8AsD/vqiigAz/sD/vqjP8AsD/vqiigAz/sD/vqjP8AsD/vqiigAz/sD/vqjP8AsD/vqoIL23uLm5gglDy2rhJlH8DFQwH5MD+NJDf208l3HDKGazk8q4AB/dtsWTB/4C6n8aALGf8AYH/fVGf9gf8AfVYWneNNB1WaCOxvXc3ABiZ7aWNJMjIwzKAc9uee1btABn/YH/fVGf8AYH/fVFFABn/YH/fVGf8AYH/fVIzBFLMQqgZJJ6UkciSxrJE6ujgMrKchgehBoAdn/YH/AH1Rn/YH/fVFFABn/YH/AH1Rn/YH/fVFFABn/YH/AH1Rn/YH/fVFFABn/YH/AH1Rn/YH/fVFFABn/YH/AH1WdpOoyahqGpQyqqpa3IhQL6bQefxNaNYfhr/kMa5/1/8A/si0AbYbIBCDn/apc/7A/wC+qan+rX6U6gAz/sD/AL6oz/sD/vqo7ieK1tpbi4cJFEhd2P8ACoGSfypYZUngSaFt0cihlYdwRkGgB+f9gf8AfVGf9gf99VBBe29zcXMMEoeS1kEU6j+BiiuAf+Aup/GpHmjjkjSSRVeQlUVmALkAnA9eAT+FAD8/7A/76oz/ALA/76oooAhu7g21lPOIw3lRs+N3XAz6VBo11JfaFYXc+PNuLaOV9owMsoJx+dO1X/kDXv8A17yf+gmq/hr/AJFPSf8Aryh/9AFAGnRRRQBWf/kLQf8AXCX+aVZqs/8AyFoP+uEv80qzQAUUUUAFFFFABRRRQAUUUUAFKv3h9aSlX7w+tADR/U0tIP6mloAKKKKACiiigAooooAKKKKACiiq9/fW+mafPe3r+Xb26GSRsZwBQBYornJPEuoWcMtxq2hS2tt5bPE6TiUkgFgrqB8mQOvIB/Oo7TxTqH2a1vdY0UWOn3IjxcJdiUoXwE3KFGASQM+pFAHT0VzEHiXWr+S6Ol+Ho57e3uprYSyX6xlzG5QnbsOOVNaOq+IbXSNU02xuP9ZfyFAc/wCrHChj6gyPGn1kHbNAGtRXNa74j1jRrqNY9AS5t5rmO3hm+3BCzOcDK7TgZ96Y/iXXBqaacnhyNrw25uJE/tBQqLv2j5tnJOKAOoorIutZudN8J32sapYCCWytpbh7aOcSZCKWwGwOoHpVNfEmoWnlSa9oy2FrMyxJPHdibEjkBFYBRgMSFzzyR65AB0dFYb+Jok8DReJfszmKSzjuxBuG4B1Dbc/jV3VNVXS2sg8Rk+13aWwwcbSwJz+lAF+iucXxRdTL9ttNIkn0bJP21JhvKjgusWMkZ9845x2qDVPHllpFzKt3bSiCHUhYyzKQdg+x/ajKR12qoII68E89KAOqoqhJqqp4ig0kxEvNaSXIkzwAjouMe/mD8qNL1VdTkv1SIx/YrtrZsnO4hVOf/HqAL9FFFABRRRQAUUUUAFFFFABRRRQAVg+Fumr/APYTl/8AQVrerB8LdNX/AOwnL/6CtAG9RRRQAUUUUAFFFFAHnHxB/wCSeeIf+vCf/wBANFHxB/5J54h/68J//QDRXXW2RxUvjl8v1OpsP+Phv+uT/wDoJrQ0P/kXtO/69Yv/AEAVn2H/AB8N/wBcn/8AQTWhof8AyL2nf9esX/oArOv8RvR+Ek1H/jz/AO2kf/oa1aPU1V1H/jz/AO2kf/oa1aPU1gbBVe7+/a/9fMf86sVXu/v2v/XzH/OgDZooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAgvf8Aj0f8Kpj7oq5e/wDHo/4VTH3RQA9fvfgf5GkpV+9+B/kaSgAooooAKD94f7o/maKD94f7o/maACiiigAooooAKKKKACiiigDnfHF1Pa+Gybe6Nl5k0ccl1vKLAhOGd2BBVR3IZT7iuJ0/W7iKzuLK58Tw3umrfwB9RtbpgqW7I29vOaRmUBwqlt+ATjjOK9YIyMHkUmxcY2jH0oA8ps9Qt4ptUNvrlw2jTa5DFdam9wYysH2IFT5/B271jUSZ+bIGTu56DwNJBLD4tezvpb+3/tTEVzKSTIgsrYA7iBvGOA/O4YbLZye22rjGBj0xQAB0GKAOC8K6NrWr+AtCtdVv7A6VJp9sTFbWjpMVEalV3mQgdskKD6Yqha3kiaRpM+v+ILy3sL64ujdXct4bdYtjMIkEgI2jrxnLd84r03p0pCoIwQCPTFAHlzayGuNHi1PxDd2ejSS6gq3iXJVZ4UeMQs0/93B4k3DOcZ+bBj1DXb9dO0cT36rpUkmoBby51drBZVjuFW1P2kKS5aIuwH8YBfJ25r0mfSre41ez1Fy4ltIpYo1BG0iTZnIx/sDH41cKqRggEemKAPM4V1TXI9OsrzVrry5NJv5mWxuHxcBZ0WH94VVnwjD5wBv65Ibk0C91DR/C9nodrNc3UupWkIsJ5HaQwOVCTIzdV8sgkAZ2856V6bgDoKzotGjXWH1G4uJ7qUZFuk2zZagj5hGFUde5bLds44oAuwRmG3jiMjSlECl3OWbA6n3qSiigAooooAKKKKACiiigArD8Nf8AIY1z/r//APZFrcrD8Nf8hjXP+v8A/wDZFoA2k/1a/SnU1P8AVr9KdQB5v43v4Bc6/BqutXGnNFYD+zYIpipuC0bb8RD/AF3OAeGx7VkarrOpQTvAt/BZyRWVv/Zgn1mS0LsYVOVgVG+0fPxjkk/LivXioJyQD+FBVTjKg46cUAeX61qF7Y3GsNFMsMM2vwR30z3jWSJH/ZkbAtOFJiBkWMZxySF/iqG3+13raHqM1+08Nrq062kttqElzEFNodqmYqomJmyoPI+by89RXqxUHOQDnrxQAAMADHpQB5j4F1fUL/W9PEmoW8ksluzajbrrMl7Ir7M4aEoBbkP1GRj7vNen0gUA5AAPsKWgCpqv/IGvf+veT/0E1X8Nf8inpP8A15Q/+gCrGq/8ga9/695P/QTVfw1/yKek/wDXlD/6AKANOiiigCs//IWg/wCuEv8ANKs1Wf8A5C0H/XCX+aVZoAKKKKACiiigAooooAKKKKAClX7w+tJSr94fWgBo/qaWkH9TS0AFFFFABRRRQAUUUUAFFFFABWZ4j0t9b8Nahpkcgie6gaJXYZCkitOigDl76+1zWNNu7CHQJ7F2t5EllupY2R8qRti2OSST0LBcDkjtWcfBU1p4csJrOfUptTsVglS3udQklj3LjeoRmKZ27wM8AkcjrXc0UAecadpEWn6leXV/4Dvr2+Op3F1FeRfZTkNMzxkFpgcgEdu1XrzwZqfiO61m81DWLzSxqANmlpDFA4S3iZgjbipOXJaTIIIDqp5XNdzRQBy91aaxqOgaKt7b5vrbUIHuSGUbljkwZeOAGA3bR03Y7VQ8UaMl14yivr/wvPr1oLDyV8nyT5UnmEnIkkXt6Zrt6KAOZ1Ozl1L4Z6pp+m6RNYSzabcW1vYzGMMCY2VR8rMoycfxfXFTWvhOztAsxmv7yaND5S3t7JOsb7cblV2IDYJGfQmugooA4LTrbVNS+H1r4Vu9B1HTZ10yO2e6uDA0KukYH8EpbBK4Hy1qzHUvEV7p8U+jXWlpY3aXUs1xJEyyFQRtj2MSck9WC8du1dRRQB55qNjr9n4Jl8N6ZpWpSX1rC4tNRs71LeJ2wxQlt4cdfu7SM4GcfMLa+H9Sk8UJcz2m+3OvC6kZmUgw/wBkmAsRn/nqduOvfpzXcU1yRGxHUA0Acnpeg6lpvjxJMLJo0NhNFaPv+aDe8JEJB5wPLcg5PB28bRnY0PT3sJtVZ9/+lX7zruUDgqg4wTkfL1OD7Vm+E9cv5dE0geI2RrjULOKeG7RQqTlkDFSBwrjPToRyO4HUU9gCiiikAUUUUAFFFFABRRRQAUUUUAFYPhbpq/8A2E5f/QVrerB8LdNX/wCwnL/6CtAG9RRRQAUUUUAFFFFAHnHxB/5J54h/68J//QDRR8Qf+SeeIf8Arwn/APQDRXXW2RxUvjl8v1OpsP8Aj4b/AK5P/wCgmtDQ/wDkXtO/69Yv/QBWfYf8fDf9cn/9BNaGh/8AIvad/wBesX/oArOv8RvR+Ek1H/jz/wC2kf8A6GtWj1NVdR/48/8AtpH/AOhrVo9TWBsFV7v79r/18x/zqxVe7+/a/wDXzH/OgDZooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAgvf+PR/wqmPuirl7/wAej/hVMfdFAD1+9+B/kaSlX734H+RpKACiiigArJv77WIrwrY6QLiFVAEjXCpuP0/GtaigDB/tLxF/0AI//AtKP7S8Rf8AQAj/APAtK3qKAMH+0vEX/QAj/wDAtKP7S8Rf9ACP/wAC0reooAwf7S8Rf9ACP/wLSj+0vEX/AEAI/wDwLSt6igDB/tLxF/0AI/8AwLSj+0vEX/QAj/8AAtK3qKAMH+0vEX/QAj/8C0o/tLxF/wBACP8A8C0reooAwf7S8Rf9ACP/AMC0o/tLxF/0AI//AALSt6igDB/tLxF/0AI//AtKP7S8Rf8AQAj/APAtK3qKAMH+0vEX/QAj/wDAtKP7S8Rf9ACP/wAC0reooAwf7S8Rf9ACP/wLSj+0vEX/AEAI/wDwLSt6igDB/tLxF/0AI/8AwLSj+0vEX/QAj/8AAtK3qKAMH+0vEX/QAj/8C0o/tLxF/wBACP8A8C0reooAwf7S8Rf9ACP/AMC0o/tLxF/0AI//AALSt6igDB/tLxF/0AI//AtKP7S8Rf8AQAj/APAtK3qKAMH+0vEX/QAj/wDAtKd4et7+0bU7u+tPKluLjzkhWRWz8oGM9OorcooAwBqPiIAAaCnH/T2lL/aXiL/oAR/+BaVvUUAYP9peIv8AoAR/+BaUf2l4i/6AEf8A4FpW9RQBg/2l4i/6AEf/AIFpR/aXiL/oAR/+BaVvUUAYP9peIv8AoAR/+BaUf2l4i/6AEf8A4FpW9RQBzl1eeIbmzmgOhIoljZM/a04yMVraLbS2Wgafa3ACywW0cbgHOGVQD+oq7RQAUUUUAVn/AOQtB/1wl/mlWarP/wAhaD/rhL/NKs0AFFFFABRRRQAUUUUAFFFFABSr94fWkpV+8PrQA0f1NLSD+ppaACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigApsn+qf/dNOpCNykHoRigDkdP1XRU+GWh2OrSqWGi28/lLzIAsS/MoHOR1GPStLwtqF5fWUi3kU+yIgQ3E0RjM6EZBwe/qelUm8CWNro8drpJKXEDI0U9wxckKu0Ix67dmVwOxrc0XT30rRraxkl80wrt3e2TgD2A4H0qnYC9RRRUgFFFFABRRRQAUUUUAFFFFABWD4W6av/2E5f8A0Fa3qwfC3TV/+wnL/wCgrQBvUUUUAFFFFABRRRQB5x8Qf+SeeIf+vCf/ANANFHxB/wCSeeIf+vCf/wBANFddbZHFS+OXy/U6mw/4+G/65P8A+gmtDQ/+Re07/r1i/wDQBWfYf8fDf9cn/wDQTWhof/Ivad/16xf+gCs6/wARvR+Ek1H/AI8/+2kf/oa1aPU1V1H/AI8/+2kf/oa1aPU1gbBVe7+/a/8AXzH/ADqxVe7+/a/9fMf86ANmiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigCC9/49H/AArEvtbsNLkjivpmjaQZTEbNn8QDW3ec2rfUVQntbe5RVnVHCsGGexFADrWdLmJZYiSjAkEqRng9jT6VNoICkdD0+hpKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigCs/wDyFoP+uEv80qzVZ/8AkLQf9cJf5pVmgAooooAKKKKACiiigAooooAKRgSpCttOODjpS0UAYR8PXxYn/hItQGTnACD/ANlpP+Edvv8AoY9R/wDHP8K3qKAMH/hHb7/oY9R/8c/wo/4R2+/6GPUf/HP8K3qKAMH/AIR2+/6GPUf/ABz/AAo/4R2+/wChj1H/AMc/wreooAwf+Edvv+hj1H/xz/Cj/hHb7/oY9R/8c/wreooAwf8AhHb7/oY9R/8AHP8ACj/hHb7/AKGPUf8Axz/Ct6igDB/4R2+/6GPUf/HP8KP+Edvv+hj1H/xz/Ct6igDB/wCEdvv+hj1H/wAc/wAKP+Edvv8AoY9R/wDHP8K3qKAMH/hHb7/oY9R/8c/wo/4R2+/6GPUf/HP8K3qKAMH/AIR2+/6GPUf/ABz/AAo/4R2+/wChj1H/AMc/wreooAwf+Edvv+hj1H/xz/Cj/hHb7/oY9R/8c/wreooAwf8AhHb7/oY9R/8AHP8ACj/hHb7/AKGPUf8Axz/Ct6igDB/4R2+/6GPUf/HP8KP+Edvv+hj1H/xz/Ct6igDB/wCEdvv+hj1H/wAc/wAKP+Edvv8AoY9R/wDHP8K3qKAMH/hHb7/oY9R/8c/wo/4R2+/6GPUf/HP8K3qKAMH/AIR2+/6GPUf/ABz/AAo/4R2+/wChj1H/AMc/wreooAwf+Edvv+hj1H/xz/Cj/hHb7/oY9R/8c/wreooAwf8AhHb7/oY9R/8AHP8ACj/hHb7/AKGPUf8Axz/Ct6igDB/4R2+/6GPUf/HP8KP+Edvv+hj1H/xz/Ct6igDB/wCEdvv+hj1H/wAc/wAKvaNpK6PbTRi4kuGmmMzyS4yWIA7fStCigAooooAKKKKACiiigDzj4g/8k88Q/wDXhP8A+gGij4g/8k88Q/8AXhP/AOgGiuutsjipfHL5fqdTYf8AHw3/AFyf/wBBNaGh/wDIvad/16xf+gCs+w/4+G/65P8A+gmtDQ/+Re07/r1i/wDQBWdf4jej8JJqP/Hn/wBtI/8A0NatHqaZLEk8ZjlXch6jNQ/2daf88j/39f8AxrA2LNKCQcg4PtVX+zrT/nkf+/r/AONH9nWn/PI/9/X/AMaALfmP/eb86PMf+8351U/s60/55H/v6/8AjR/Z1p/zyP8A39f/ABoAt+Y/95vzo8x/7zfnVT+zrT/nkf8Av6/+NH9nWn/PI/8Af1/8aALfmP8A3m/OjzH/ALzfnVT+zrT/AJ5H/v6/+NH9nWn/ADyP/f1/8aALfmP/AHm/OjzH/vN+dVP7OtP+eR/7+v8A40f2daf88j/39f8AxoAt+Y/95vzo8x/7zfnVT+zrT/nkf+/r/wCNH9nWn/PI/wDf1/8AGgC35j/3m/OjzH/vN+dVP7OtP+eR/wC/r/40f2daf88j/wB/X/xoAt+Y/wDeb86PMf8AvN+dVP7OtP8Ankf+/r/40f2daf8API/9/X/xoAt+Y/8Aeb86PMf+8351U/s60/55H/v6/wDjR/Z1p/zyP/f1/wDGgC35j/3m/OjzH/vN+dVP7OtP+eR/7+v/AI0f2daf88j/AN/X/wAaALfmP/eb86PMf+8351U/s60/55H/AL+v/jR/Z1p/zyP/AH9f/GgC35j/AN5vzo8x/wC8351U/s60/wCeR/7+v/jR/Z1p/wA8j/39f/GgC35j/wB5vzo8x/7zfnVT+zrT/nkf+/r/AONH9nWn/PI/9/X/AMaALfmP/eb86PMf+8351U/s60/55H/v6/8AjR/Z1p/zyP8A39f/ABoAt+Y/95vzo8x/7zfnVT+zrT/nkf8Av6/+NH9nWn/PI/8Af1/8aALW9iOWP50lVv7OtP8Ankf+/r/40f2daf8API/9/X/xoAs0VW/s60/55H/v6/8AjR/Z1p/zyP8A39f/ABoAs0VW/s60/wCeR/7+v/jR/Z1p/wA8j/39f/GgCzRVb+zrT/nkf+/r/wCNH9nWn/PI/wDf1/8AGgCzRVb+zrT/AJ5H/v6/+NH9nWn/ADyP/f1/8aALNFVv7OtP+eR/7+v/AI0f2daf88j/AN/X/wAaALNFVv7OtP8Ankf+/r/40f2daf8API/9/X/xoAs0VW/s60/55H/v6/8AjR/Z1p/zyP8A39f/ABoAs0VW/s60/wCeR/7+v/jR/Z1p/wA8j/39f/GgCzRVb+zrT/nkf+/r/wCNH9nWn/PI/wDf1/8AGgCzRVb+zrT/AJ5H/v6/+NH9nWn/ADyP/f1/8aALNFVv7OtP+eR/7+v/AI0f2daf88j/AN/X/wAaALNFVv7OtP8Ankf+/r/40f2daf8API/9/X/xoAs0VW/s60/55H/v6/8AjR/Z1p/zyP8A39f/ABoAs0VW/s60/wCeR/7+v/jR/Z1p/wA8j/39f/GgCzRVb+zrT/nkf+/r/wCNH9nWn/PI/wDf1/8AGgCzRVb+zrT/AJ5H/v6/+NH9nWn/ADyP/f1/8aALNFVv7OtP+eR/7+v/AI0f2daf88j/AN/X/wAaALNFVv7OtP8Ankf+/r/40f2daf8API/9/X/xoAs0VW/s60/55H/v6/8AjR/Z1p/zyP8A39f/ABoAs0VW/s60/wCeR/7+v/jR/Z1p/wA8j/39f/GgCzRVb+zrT/nkf+/r/wCNH9nWn/PI/wDf1/8AGgCzRVb+zrT/AJ5H/v6/+NH9nWn/ADyP/f1/8aAB/wDkLQf9cJf5pVmoYrO3gk8yKLD7Su4sxwDj1PsKmoAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooA84+IP/JPPEP8A14T/APoBoo+IP/JPPEP/AF4T/wDoBorrrbI4qXxy+X6nUWLBbhixAHlOOT/smo9J8SaZb6LZQzSzLJHbxo6m2l4IUAj7tcL/AMLZ8K/8977/AMF83/xNH/C2fCv/AD3vv/BfN/8AE1c6Sm73MoYuEVb9H/kejf8ACU6R/wA95f8AwGl/+Jo/4SnSP+e8v/gNL/8AE15z/wALZ8K/8977/wAF83/xNH/C2fCv/Pe+/wDBfN/8TUfV13L+uw/pP/I9G/4SnSP+e8v/AIDS/wDxNH/CU6R/z3l/8Bpf/ia85/4Wz4V/5733/gvm/wDiaP8AhbPhX/nvff8Agvm/+Jo+rruH12H9J/5Ho3/CU6R/z3l/8Bpf/iaP+Ep0j/nvL/4DS/8AxNec/wDC2fCv/Pe+/wDBfN/8TR/wtnwr/wA977/wXzf/ABNH1ddw+uw/pP8AyPRv+Ep0j/nvL/4DS/8AxNH/AAlOkf8APeX/AMBpf/ia85/4Wz4V/wCe99/4L5v/AImj/hbPhX/nvff+C+b/AOJo+rruH12H9J/5Ho3/AAlOkf8APeX/AMBpf/iaP+Ep0j/nvL/4DS//ABNec/8AC2fCv/Pe+/8ABfN/8TR/wtnwr/z3vv8AwXzf/E0fV13D67D+k/8AI9G/4SnSP+e8v/gNL/8AE0f8JTpH/PeX/wABpf8A4mvOf+Fs+Ff+e99/4L5v/iaP+Fs+Ff8Anvff+C+b/wCJo+rruH12H9J/5Ho3/CU6R/z3l/8AAaX/AOJo/wCEp0j/AJ7y/wDgNL/8TXnP/C2fCv8Az3vv/BfN/wDE0f8AC2fCv/Pe+/8ABfN/8TR9XXcPrsP6T/yPRv8AhKdI/wCe8v8A4DS//E0f8JTpH/PeX/wGl/8Aia85/wCFs+Ff+e99/wCC+b/4mj/hbPhX/nvff+C+b/4mj6uu4fXYf0n/AJHo3/CU6R/z3l/8Bpf/AImj/hKdI/57y/8AgNL/APE15z/wtnwr/wA977/wXzf/ABNH/C2fCv8Az3vv/BfN/wDE0fV13D67D+k/8j0b/hKdI/57y/8AgNL/APE0f8JTpH/PeX/wGl/+Jrzn/hbPhX/nvff+C+b/AOJo/wCFs+Ff+e99/wCC+b/4mj6uu4fXYf0n/kejf8JTpH/PeX/wGl/+Jo/4SnSP+e8v/gNL/wDE15z/AMLZ8K/8977/AMF83/xNH/C2fCv/AD3vv/BfN/8AE0fV13D67D+k/wDI9G/4SnSP+e8v/gNL/wDE0n/CU6R/z3l/8Bpf/ia86/4Wz4V/5733/gvm/wDiaP8AhbPhX/nvff8Agvm/+Jo+rruH12H9J/5Ho3/CU6R/z3l/8Bpf/iaP+Ep0j/nvL/4DS/8AxNec/wDC2fCv/Pe+/wDBfN/8TR/wtnwr/wA977/wXzf/ABNH1ddw+ux/pP8AyPRv+Ep0j/nvL/4DS/8AxNJ/wlOkf895f/AaX/4muOTxlZuqlNK19gwypGiXRz/5DqT/AISqL/oC+I//AARXf/xul7GP835F/Wf7r+5/5HXf8JTpH/PeX/wGl/8AiaP+Ep0j/nvL/wCA0v8A8TXI/wDCVRf9AXxH/wCCK7/+N0f8JVF/0BfEf/giu/8A43R7GP8AN+QfWX/K/uf+R13/AAlOkf8APeX/AMBpf/iaP+Ep0j/nvL/4DS//ABNcj/wlUX/QF8R/+CK7/wDjdH/CVRf9AXxH/wCCK7/+N0exj/N+QfWX/K/uf+R1v/CU6R/z3l/8Bpf/AIml/wCEp0j/AJ7y/wDgNL/8TXI/8JVF/wBAXxH/AOCK7/8AjdH/AAlUX/QF8R/+CK7/APjdHsY/zfkH1l/yv7n/AJHXf8JTpH/PeX/wGl/+Jo/4SnSP+e8v/gNL/wDE1yP/AAlUX/QF8R/+CK7/APjdH/CVRf8AQF8R/wDgiu//AI3R7GP835B9Zf8AK/uf+R13/CU6R/z3l/8AAaX/AOJo/wCEp0j/AJ7y/wDgNL/8TXI/8JVF/wBAXxH/AOCK7/8AjdH/AAlUX/QF8R/+CK7/APjdHsY/zfkH1l/yv7n/AJHXf8JTpH/PeX/wGl/+Jo/4SnSP+e8v/gNL/wDE1yP/AAlUX/QF8R/+CK7/APjdH/CVRf8AQF8R/wDgiu//AI3R7GP835B9Zf8AK/uf+R13/CU6R/z3l/8AAaX/AOJo/wCEp0j/AJ7y/wDgNL/8TXI/8JVF/wBAXxH/AOCK7/8AjdH/AAlUX/QF8R/+CK7/APjdHsY/zfkH1l/yv7n/AJHXf8JTpH/PeX/wGl/+Jo/4SnSP+e8v/gNL/wDE1yP/AAlUX/QF8R/+CK7/APjdH/CVRf8AQF8R/wDgiu//AI3R7GP835B9Zf8AK/uf+R13/CU6R/z3l/8AAaX/AOJo/wCEp0j/AJ7y/wDgNL/8TXI/8JVF/wBAXxH/AOCK7/8AjdH/AAlUX/QF8R/+CK7/APjdHsY/zfkH1l/yv7n/AJHXf8JTpH/PeX/wGl/+Jo/4SnSP+e8v/gNL/wDE1yP/AAlUX/QF8R/+CK7/APjdH/CVRf8AQF8R/wDgiu//AI3R7GP835B9Zf8AK/uf+R13/CU6R/z3l/8AAaX/AOJo/wCEp0j/AJ7y/wDgNL/8TXIf8Jdb5I/sfxDx1/4kd1/8bo/4S23/AOgP4h/8Ed1/8bo9jH+b8g+sv+V/c/8AI6//AISnSP8AnvL/AOA0v/xNH/CU6R/z3l/8Bpf/AImuRHiuE9NG8RH6aFd//G6P+Eqi/wCgL4j/APBFd/8Axuj2Mf5vyD6z/df3P/I67/hKdI/57y/+A0v/AMTR/wAJTpH/AD3l/wDAaX/4muR/4SqL/oC+I/8AwRXf/wAbo/4SqL/oC+I//BFd/wDxuj2Mf5vyD6y/5X9z/wAjrv8AhKdI/wCe8v8A4DS//E0f8JTpH/PeX/wGl/8Aia5H/hKov+gL4j/8EV3/APG6P+Eqi/6AviP/AMEV3/8AG6PYx/m/IPrL/lf3P/I67/hKdI/57y/+A0v/AMTR/wAJTpH/AD3l/wDAaX/4muR/4SqL/oC+I/8AwRXf/wAbo/4SqL/oC+I//BFd/wDxuj2Mf5vyD6y/5X9z/wAjrv8AhKdI/wCe8v8A4DS//E0f8JTpH/PeX/wGl/8Aia5H/hKov+gL4j/8EV3/APG6P+Eqi/6AviP/AMEV3/8AG6PYx/m/IPrL/lf3P/I67/hKdI/57y/+A0v/AMTR/wAJTpH/AD3l/wDAaX/4muR/4SqL/oC+I/8AwRXf/wAbo/4SqL/oC+I//BFd/wDxuj2Mf5vyD6y/5X9z/wAjrv8AhKdI/wCe8v8A4DS//E0f8JTpH/PeX/wGl/8Aia5H/hKov+gL4j/8EV3/APG6P+Eqi/6AviP/AMEV3/8AG6PYx/m/IPrL/lf3P/I67/hKdI/57y/+A0v/AMTR/wAJTpH/AD3l/wDAaX/4muR/4SqL/oC+I/8AwRXf/wAbo/4SqL/oC+I//BFd/wDxuj2Mf5vyD6y/5X9z/wAjrv8AhKdI/wCe8v8A4DS//E0f8JTpH/PeX/wGl/8Aia5H/hKov+gL4j/8EV3/APG6P+Eqi/6AviP/AMEV3/8AG6PYx/m/IPrL/lf3P/I67/hKdI/57y/+A0v/AMTR/wAJTpH/AD3l/wDAaX/4muR/4SqL/oC+I/8AwRXf/wAbo/4SqL/oC+I//BFd/wDxuj2Mf5vyD6y/5X9z/wAjrv8AhKdI/wCe8v8A4DS//E0f8JTpH/PeX/wGl/8Aia5H/hKov+gL4j/8EV3/APG6P+Eqi/6AviP/AMEV3/8AG6PYx/m/IPrL/lf3P/I67/hKdI/57y/+A0v/AMTR/wAJTpH/AD3l/wDAaX/4muR/4SqL/oC+I/8AwRXf/wAbo/4SqL/oC+I//BFd/wDxuj2Mf5vyD6y/5X9z/wAjrv8AhKdI/wCe8v8A4DS//E0f8JTpH/PeX/wGl/8Aia5H/hKov+gL4j/8EV3/APG6P+Eqi/6AviP/AMEV3/8AG6PYx/m/IPrL/lf3P/I67/hKdI/57y/+A0v/AMTR/wAJTpH/AD3l/wDAaX/4muR/4SqL/oC+I/8AwRXf/wAbo/4SqL/oC+I//BFd/wDxuj2Mf5vyD6y/5X9z/wAjrv8AhKdI/wCe8v8A4DS//E0f8JTpH/PeX/wGl/8Aia5H/hKov+gL4j/8EV3/APG6P+Eqi/6AviP/AMEV3/8AG6PYx/m/IPrL/lf3P/I67/hKdI/57y/+A0v/AMTR/wAJTpH/AD3l/wDAaX/4muR/4SqL/oC+I/8AwRXf/wAbo/4SqL/oC+I//BFd/wDxuj2Mf5vyD6y/5X9z/wAjrv8AhKdI/wCe8v8A4DS//E0f8JTpH/PeX/wGl/8Aia5H/hKov+gL4j/8EV3/APG6P+Eqi/6AviP/AMEV3/8AG6PYx/m/IPrL/lf3P/I67/hKdI/57y/+A0v/AMTR/wAJTpH/AD3l/wDAaX/4muR/4SqL/oC+I/8AwRXf/wAbo/4SqL/oC+I//BFd/wDxuj2Mf5vyD6y/5X9z/wAjrv8AhKdI/wCe8v8A4DS//E0n/CU6R/z3l/8AAaX/AOJrkv8AhKov+gL4j/8ABFd//G6P+Eqi/wCgL4j/APBFd/8Axuj2Mf5vyD6y/wCV/c/8jrv+Ep0j/nvL/wCA0v8A8TR/wlOkf895f/AaX/4muR/4SqL/AKAviP8A8EV3/wDG6P8AhKov+gL4j/8ABFd//G6PYx/m/IPrL/lf3P8AyOu/4SnSP+e8v/gNL/8AE0f8JTpH/PeX/wABpf8A4muR/wCEqi/6AviP/wAEV3/8bo/4SqL/AKAviP8A8EV3/wDG6PYx/m/IPrL/AJX9z/yOt/4SnSP+e8v/AIDS/wDxNL/wlOkf895f/AaX/wCJrkf+Eqi/6AviP/wRXf8A8bo/4SqL/oC+I/8AwRXf/wAbo9jH+b8g+sv+V/c/8jrv+Ep0j/nvL/4DS/8AxNH/AAlOkf8APeX/AMBpf/ia5H/hKov+gL4j/wDBFd//ABuj/hKov+gL4j/8EV3/APG6PYx/m/IPrL/lf3P/ACOt/wCEp0j/AJ7y/wDgNL/8TS/8JTpH/PeX/wABpf8A4muR/wCEqi/6AviP/wAEV3/8bo/4SqL/AKAviP8A8EV3/wDG6PYx/m/IPrL/AJX9z/yOu/4SnSP+e8v/AIDS/wDxNH/CU6R/z3l/8Bpf/ia5H/hKov8AoC+I/wDwRXf/AMbo/wCEqi/6AviP/wAEV3/8bo9jH+b8g+sv+V/c/wDI67/hKdI/57y/+A0v/wATR/wlOkf895f/AAGl/wDia5H/AISqL/oC+I//AARXf/xuj/hKov8AoC+I/wDwRXf/AMbo9jH+b8g+sv8Alf3P/I67/hKdI/57y/8AgNL/APE0f8JTpH/PeX/wGl/+Jrkf+Eqi/wCgL4j/APBFd/8Axuj/AISqL/oC+I//AARXf/xuj2Mf5vyD6y/5X9z/AMjrv+Ep0j/nvL/4DS//ABNH/CU6R/z3l/8AAaX/AOJrkf8AhKov+gL4j/8ABFd//G6P+Eqi/wCgL4j/APBFd/8Axuj2Mf5vyD6y/wCV/c/8jrv+Ep0j/nvL/wCA0v8A8TR/wlOkf895f/AaX/4muR/4SqL/AKAviP8A8EV3/wDG6P8AhKov+gL4j/8ABFd//G6PYx/m/IPrL/lf3P8AyOu/4SnSP+e8v/gNL/8AE0f8JTpH/PeX/wABpf8A4muR/wCEqi/6AviP/wAEV3/8bo/4SqL/AKAviP8A8EV3/wDG6PYx/m/IPrL/AJX9z/yOu/4SnSP+e8v/AIDS/wDxNH/CU6R/z3l/8Bpf/ia5H/hKov8AoC+I/wDwRXf/AMbo/wCEqi/6AviP/wAEV3/8bo9jH+b8g+sv+V/c/wDI67/hKdI/57y/+A0v/wATR/wlOkf895f/AAGl/wDia5H/AISqL/oC+I//AARXf/xuj/hKov8AoC+I/wDwRXf/AMbo9jH+b8g+sv8Alf3P/I67/hKdI/57y/8AgNL/APE0f8JTpH/PeX/wGl/+Jrkf+Eqi/wCgL4j/APBFd/8Axuj/AISqL/oC+I//AARXf/xuj2Mf5vyD6y/5X9z/AMjrv+Ep0j/nvL/4DS//ABNH/CU6R/z3l/8AAaX/AOJrkf8AhKov+gL4j/8ABFd//G6P+Eqi/wCgL4j/APBFd/8Axuj2Mf5vyD6y/wCV/c/8jrv+Ep0j/nvL/wCA0v8A8TR/wlOkf895f/AaX/4muR/4SqL/AKAviP8A8EV3/wDG6P8AhKov+gL4j/8ABFd//G6PYx/m/IPrL/lf3P8AyOu/4SnSP+e8v/gNL/8AE0f8JTpH/PeX/wABpf8A4muR/wCEqi/6AviP/wAEV3/8bo/4SqL/AKAviP8A8EV3/wDG6PYx/m/IPrL/AJX9z/yOu/4SnSP+e8v/AIDS/wDxNH/CU6R/z3l/8Bpf/ia5H/hKov8AoC+I/wDwRXf/AMbo/wCEqi/6AviP/wAEV3/8bo9jH+b8g+sv+V/c/wDI67/hKdI/57y/+A0v/wATR/wlOkf895f/AAGl/wDia5H/AISqL/oC+I//AARXf/xuj/hKov8AoC+I/wDwRXf/AMbo9jH+b8g+sv8Alf3P/I67/hKdI/57y/8AgNL/APE0f8JTpH/PeX/wGl/+Jrkf+Eqi/wCgL4j/APBFd/8Axuj/AISqL/oC+I//AARXf/xuj2Mf5vyD6y/5X9z/AMjrv+Ep0j/nvL/4DS//ABNH/CU6R/z3l/8AAaX/AOJrkf8AhKov+gL4j/8ABFd//G6P+Eqi/wCgL4j/APBFd/8Axuj2Mf5vyD6y/wCV/c/8jrv+Ep0j/nvL/wCA0v8A8TR/wlOkf895f/AaX/4muR/4SqL/AKAviP8A8EV3/wDG6P8AhKov+gL4j/8ABFd//G6PYx/m/IPrL/lf3P8AyOu/4SnSP+e8v/gNL/8AE0f8JTpH/PeX/wABpf8A4muR/wCEqi/6AviP/wAEV3/8bo/4SqL/AKAviP8A8EV3/wDG6PYx/m/IPrL/AJX9z/yGeP2DfDrxAR0OnzEf98GisrxdrL6t4N1fT7LQ/ET3FzZyRxKdDuhuYqQBny+KKKzWlmTRu5Sdn06Ndz//2Q==)

Figure 8: Plugin creation wizard GUI

After creating the component, the developer will end up with the standard AsTeRICS component folder structure. In the component’s lib folder (<component>/src/main/java/resources/lib), two jar files should be added:

* “UchJavaClient-1.1.jar” jar which is located in “<**REFolderPath**>/Source Code/AsTeRICS/UCH Java Library/bin” folder.
* “jmdns-3.4.1.jar” file located in the “<**REFolderPath**>/Source Code/AsTeRICS/UCH Java Library/lib” folder.

Additionally, these two jar files should be added in project’s build path, in the component’s ‘build.xml’ file and in component’s MANIFAST file. Having completed these steps, the library can be used as part of the AsTeRICS component.

## Connecting to the UCH server

As OSGi architecture commands, every component should contain a *start*()method which wraps the code to be executed before the component starts its life cycle. In the *start*()method, the developer should establish a connection between the AsTeRICS component and the UCH server. In order to connect to the UCH server, we must know its IP address. This address could be retrieved automatically (see Figure 2) or manually through the component properties (see Figure 3), meaning that we will expect from the AsTeRICS model designer to enter the UCH server IP address.

## Changing UCH component value

Usually, URC component values are altered when data are received through an *Input Port* or when an event occurs through an *Event Listener Port* (Section 7 of [3]). The developer can alter any URC component value as shown in Figure 8 below.

![String measurementUnit = ConversionUtils.stringFromBytes(data);

SetValuesRequest setValuesRequest = new SetValuesRequest();
setValuesRequest.addSetElement( new SetElement(MEASUREMENT_UNIT_VAR_NAME, measurementUnit) );

uchSession.setValues(setValuesRequest);](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAYABgAAD/4RDmRXhpZgAATU0AKgAAAAgABAE7AAIAAAAJAAAISodpAAQAAAABAAAIVJydAAEAAAASAAAQzOocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAG1rb21vZDA1AAAABZADAAIAAAAUAAAQopAEAAIAAAAUAAAQtpKRAAIAAAADMzAAAJKSAAIAAAADMzAAAOocAAcAAAgMAAAIlgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADIwMTY6MDc6MjkgMTI6MjA6MjQAMjAxNjowNzoyOSAxMjoyMDoyNAAAAG0AawBvAG0AbwBkADAANQAAAP/hCxtodHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLjAvADw/eHBhY2tldCBiZWdpbj0n77u/JyBpZD0nVzVNME1wQ2VoaUh6cmVTek5UY3prYzlkJz8+DQo8eDp4bXBtZXRhIHhtbG5zOng9ImFkb2JlOm5zOm1ldGEvIj48cmRmOlJERiB4bWxuczpyZGY9Imh0dHA6Ly93d3cudzMub3JnLzE5OTkvMDIvMjItcmRmLXN5bnRheC1ucyMiPjxyZGY6RGVzY3JpcHRpb24gcmRmOmFib3V0PSJ1dWlkOmZhZjViZGQ1LWJhM2QtMTFkYS1hZDMxLWQzM2Q3NTE4MmYxYiIgeG1sbnM6ZGM9Imh0dHA6Ly9wdXJsLm9yZy9kYy9lbGVtZW50cy8xLjEvIi8+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczp4bXA9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8iPjx4bXA6Q3JlYXRlRGF0ZT4yMDE2LTA3LTI5VDEyOjIwOjI0LjMwMTwveG1wOkNyZWF0ZURhdGU+PC9yZGY6RGVzY3JpcHRpb24+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iPjxkYzpjcmVhdG9yPjxyZGY6U2VxIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpsaT5ta29tb2QwNTwvcmRmOmxpPjwvcmRmOlNlcT4NCgkJCTwvZGM6Y3JlYXRvcj48L3JkZjpEZXNjcmlwdGlvbj48L3JkZjpSREY+PC94OnhtcG1ldGE+DQogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgIDw/eHBhY2tldCBlbmQ9J3cnPz7/2wBDAAcFBQYFBAcGBQYIBwcIChELCgkJChUPEAwRGBUaGRgVGBcbHichGx0lHRcYIi4iJSgpKywrGiAvMy8qMicqKyr/2wBDAQcICAoJChQLCxQqHBgcKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKir/wAARCABrApQDASIAAhEBAxEB/8QAHwAAAQUBAQEBAQEAAAAAAAAAAAECAwQFBgcICQoL/8QAtRAAAgEDAwIEAwUFBAQAAAF9AQIDAAQRBRIhMUEGE1FhByJxFDKBkaEII0KxwRVS0fAkM2JyggkKFhcYGRolJicoKSo0NTY3ODk6Q0RFRkdISUpTVFVWV1hZWmNkZWZnaGlqc3R1dnd4eXqDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uHi4+Tl5ufo6erx8vP09fb3+Pn6/8QAHwEAAwEBAQEBAQEBAQAAAAAAAAECAwQFBgcICQoL/8QAtREAAgECBAQDBAcFBAQAAQJ3AAECAxEEBSExBhJBUQdhcRMiMoEIFEKRobHBCSMzUvAVYnLRChYkNOEl8RcYGRomJygpKjU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6goOEhYaHiImKkpOUlZaXmJmaoqOkpaanqKmqsrO0tba3uLm6wsPExcbHyMnK0tPU1dbX2Nna4uPk5ebn6Onq8vP09fb3+Pn6/9oADAMBAAIRAxEAPwD6RorJ8Ua8vhrw7cao8HnCEquC+xF3MF3O+DsQZyzYOFBODjFY+qeNptA8Ixa1q+nxStPLGsKaRLNfROjsoD+asIxwxIyuDwASSKAOuorBn8Z6Pa2lpPcG/j+2FxbwNplz58hT7wEPl+ZwOfu9MnoM1VvfF8T3fh1dJmQwavOMyXFlc7XiKMdquE2pLkD5ZCOA3GaOtg6XOoorBufG2gWmuNpE95It5HPHbyAWsrRxSSBTGryBdi7ty7ckZPA5BFIPG+hNrsekJPdPdS3DW0bJp9w0LyqCWQTBPLJXa2fm4wQcYNC12B6bm/RUF9fW2m2Mt5fSiG3hG6SQg4UevFZdv4v0S6SdobqQ/ZxmRWtpVbO7ZtAKgs275doyckDHIpXWw7Nq5t0VmJ4h0+Sxe6j+1uscgjkjWxmMyNjOGiCbxwQclehB701/EumJZW90ss8qXDMsaQ2sskhK8MDGqlhgjByBg8GmHKzVoqhca1YWsdy9xM0YtbZbqbdG2UjO7BIxn+BuOvHSobnxNpVpfmzmnl85WRX2W0jrGXxt3sqlVBz1JA6+hoCzNWispvEulrePbtPIrIWXzDbyCJmUEsqybdjMNrZUEn5TxwagtPGeg3srR29/91DIzPDIiBQobO5lAxtIYc8jkZFK6Hyy7G5RWP8A8JXo62k9xNcS26W5TzBcWssTqHbap2OoYqTxkDHB54NVdQ8aafaaM+oW0V1ciO4W3eIWkyujErkMuzK8MCMgZ4A6ii6Dll2OiorJtteju9Wt7OC3mVJ7aScPPE8LDY6rgxuobndnPt71Rt/HOknT7ee/d7WWW3W5eJYpJRFGSRuZlXAXKnLHAHfGRTDlZ0lFZEursPFVrpkbIsbwSSSCSCUM5G3Gx8eWQMnIznkVDp/iq21DXLzTFtb2N7eURrI1nMFbKBiSSgCegyeeCOopXFyu1zdoqK5uYLK1lubyeO3t4ULySyuFRFAySSeAB61Q0nxNoOvySpoWt6dqbwgGRbO7jmKA9CdpOKYjUorH8Qa6+j/YreztBe6hqM/kWlu0vlIWCs7M74JVQqkkhWPQAHNQ3HidNGsrf/hJ4lt7+feRaaYs+oMVXqwCRByoBGWKAAkDPIyAb1Fc1e/ELwxYeWZ9SLrJapeB4LaWZVgckCVmRSFTKnLEgDjOMitF/EmlRxXsj3RAsbhLW4HlPlZX2bFAxlt3mJgjIO6nZgalFY0XizR5tZ/stLib7QZGhR2tZVgkkXO6NZivls42tlQxI2tx8pxBYeOPD+p3BitLyUjypJhNLaTRwuqY37ZWQIxXPIBJGDkcGputws72OgorGtvFNhfaPc6jZxaiYYFyfM0q6R3yOCkbRh5B/uA1S0zxdbp4L0vWNcuYXlvo1AGn207+dIQTiKEqZTwCcbcgAk8A0w3OmornJ/H3hyC1tJ2vJnF4spgihsp5ZW8ogSAxKhdWUsNykAjByODiJvG1tJDrE9jCt1bafpUWpwzJLgXKSLIwA4+XiPrz97pxSbsnJ7IaV2l3Ooorkbf4hWU3ihNFk0/Uld7SGfzY9PuZEDSMRtysW3aOP3mdvUcYNX7HX5L3xvqOkK0Yt7S1jcRvazxTFy7BmDOojePAABQnkNmqtrb1/Dcm6tf0/E36K5vQtZ1BtR8QWuv3FkyaVMm2e3gaBfLaISfMGd+RnrkDjoK09G12z163efT0vFjUgZurGe23ZGQVEqLuHuMiktRmjRVPVNVs9GsTd6hIyRBlQBI2kd2JwFVFBZmJ6AAk1g654+sNH0S01BLHVJze3CQQQnS7pHJMiody+UWXAJYAgFsYXNAHVUVzt7470HTo7Y3k95FJdQvPFbHTrgzmNThmMIj3gDPOVHHPTmmN4qjvvEuk6dotzbulxG1zcefbzjzIPLDL5Mm3yy+XjJUnIVs46UbgdLRWBH438Pza1/ZUF68t0LhrVvLtpWjjmGSY3kC7EbAJAYjPbNJbeOdAvNRFna3U8jssjJN9imFvIIx85Wcp5bAeoY+lK6tcOtjoKK4Twv8AEu313Q7nXL+TQ7XS7a1W5na01c3c9sG5AmiES+WcA/xE5GOa2Y/Hvh2W1uJxeTKLd44zHJZTpJI0mSgjjKBpdwBI2Bs4OKb03A6KiuVufiX4SsrWGe81UwLMZAFktZldPLcI+9Cm6PaWXO4DAOenNZOufFSzsprFNGXT7n7XbzTr/ad69g7GOQR+UkbQs7yFtwC7QflpXA9AorFj8VaaNPmuL13s5LVYPtcEkbb4GlClEIA5OWA4zzVKDx1ZXHjS58PJZalut1jDXH9nXOzzGZxtJ8raq4UHzC2054JwarrYV9OY6eisW18XaNeam1jBcTCQRvIsslrLHBIqY3FJmURuBkfdY/oaS08X6Re6deX8LXaWlnCZ5Li4sJ4I2jAJ3I0iKHGBnKk8Y9RU3VrlW1sbdFYlnrzw+HrbUvEEf2SS8YGK1hieSRQ3KR7VyXcLy20Y4PYZqHTPFUc+hJqF/DcgSXE8ai2sJ5CFSVlBZVVmU4UZ3Y5z9Kb03BJtXR0NFc/eeMbG11SwtkhurmK8gadZ7e0mlXaApXbsQ7s7ucHjjPWr9xrtja30drcm4ieRlVZGtJRFub7o8zbsBJIGCepx1oDlZo0VjW+sTr4uudFv441D24urGVM/vYwQsisD/ErFTkcESL6GrdhrVhqd9qFnYz+bPpswguk2MPLcqHAyRg/KwORkc0f1/XzEXqKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigCrqUd/LYuukXNta3RI2y3Vu06AZ5yiuhPH+0PxrlrX4fmHw3rNg99bx3Wq3S3jSWdl5NvDKuwqVg3ngmNWb58sSxyM8dnRQBiw6Nfy3+l3+rX9tPdWKzq5tbRoUk8zAGFaRyuAvqc+1VfFGgazrd5psul6tY2MdhcC5VLnTnuC8gDL1WZMLh+mM5HXtXSUUdbh0scxd+D2vEv/MvwHvdVtNSYrBwpgEHyAbv4vI69t3Q454nw5Z6pb+P1nbTrlpH1W7Mttc2F6I7WJmk/fpO0gtdzDb/q49xDkE53NXrtFNOz/ry/yB6xt/XX/Mo61pv9saNc2Hm+T567fM27tvIPTI9KwLnwJHdQ3STXiuJnkkVXtwyhmuPOAZScMoPykcZHpXW0VNle5Sk0rI5SXwX5uix2Kf2PBsuhcPFBpWy2nAUrtkh8z5uuc7uoXjikTwXJb+HbXS7W5sM28ssqzTWDboy7lgYvLkQxEbsZU/TFdZRRZD55f1/XmctqnhG9vrWW3g1oxi609LG6kntvNkkCbsODuABO9s5Bz2wea3LPTvsmoXtz5u/7UyHbtxt2oF655zjNXaKZLk3/AF/XY5S38Dw2uoXU0S6YUnaZxLJpoN0hkzn9/vGQCx6rnHGe9MXwDE0MsNxfs8UsflsEi2nH2ZIODk/3N3Q9cV11FLlVrFc8r3OYsvB4tbF7cjSoGae3l8zT9LFsW8qRXw+HO7O3GeMZPBq1c+GvtFprEIu9rajcpco/l58llWMLkZ+YZjB7dce9btFP+v6+4XMzBuNG1aW6tb+PVLOPUIYpIHf7CxidHZTwnm5BBUc7j349ID4NjXSb2wgvGWO50yPTwzx7iu3zPnPIznzOnHT8ulooDnkjDvdG1S48QWeoW+o2kUNojIkL2TOzB9u7LCUc/LxxxnvU8WlXdt4gub61vIVtrso1xbyW5ZyyrtBVw4CjAXgqenvWrRQK7tYiubdLu1lt5TIqSoUYxStG4BHZlIZT7ggiqGk+HrPRZJXs5tRkMoAb7ZqdzdAY9BLIwX8MVqUUCMXxHoEus/YLmwvFsdS024+0Wtw8PnICVKOrpuXcrIzDhgQcEHiqNz4d1+W7s9Ug1zT4dYhgktpZv7MdreWJmDACLz9ysCo58wjrkcjHUUUAca/w9jGianpsOpSBL/Ro9KEkkQZkKmYmU4IBJM33QB0688X7rwjHc+KrbVvtW2CPy3ntPKyJ5Ygwik3Z427zxg5KpyNvPR0U763B67/1t/kji9G+HdtoviqTVIItElje5muVll0cG/RpCWIF0JOQCxxlM7eMnrW/pejNpXhePSI545mihaNZZYcoxOeWTdyOeRnn1FatFTbSw763OS0Dwnqvh+y1BLTVrCOW4CC2t4NPkSxtNuclLcznbuzyEdF4BxnJNXT/AAPrNhoek2y69ZNf6NKWsbkaYwj2MhRlljMxL5DHlWTBA9we3op+YjmNM8HvY39vez6j9ouVivBcMINiySXDxuzKMnaq+XgKdxwRliRk5Mfw6vrTTEsNO16KKCbSINJvzLYF2ljiVl3xHzAI2IdvvCQdOODnvaKOlun/AA/+bHdnPT+HbyHxFaanol/b2qx2qWdxDc2jT+ZEr7l2MJE2Nywydw5HHHMcXh/XE8dSa6+sae1rJALY2g01w4iVmZf3nn43Zbk7MEDoK6Wijqn6/jv+YulvT8DldL8N69Z6xrF5e6xpd1Hqgy0K6TIgRljCJybhty4HK4GfUU/wv4UvfDsN+ralbYuVVbe1sbR4LS02g8xwtLIFJLZIUqpwOM5J6eilbSwHNah4d1bUfCVppV7qOl6ldIF+13Op6T50dwV53CJJUCNuwQQTjHHrUMvhHUB4b0ixt9c8y+0y5F0LvUIHullbDjDKZA5Ub/lzIWG1cs2CT1dFP/hw/wCGMm00WSPxFLrN5cRTzvYxWgCQbAm1mZ2BLE4YsvHbYOTUOp6Dd3nivS9Zs9Rjtls4ZYJYZLbzDIkjRsdrbgEb92BkhuCeB1rcoo63A5E+Dfsum2yteyzG1vbvUZhBCFkuZJVlAAJbgr5uBnP3V6duT8M+GdV1oTwTahdJZ2WgnSLC4n0aSwERkChyIJDvZwsaZfIQkgKBhs+tUULr/XRr8mO7/r1v+Zj6t4ej1Pw9Do6SLFbI8G8NHvDxxurGPGR94Ltz79Kj8RaHearcaZeaXfw2V7ps7SxNc2xuIm3RshDIHQ5w3BDDHvW5RQ9dyUklZHER/DeMXInudTa5kd45J2kgGZXFx58p4OFV2WJcAcLGAS2aq/8ACttQEFxZLr8BsL/T0sL5X09mmkXdI0rRuZdqM5lc8o+OOuK9Boo6W6f1/Vh9bnD6bo7ax4xnv0guLbQrWO3SOG6gkie5uIS+19r4bYgYfeHzMqkcKCdmHQL+38TanfR6jbmw1MKZrdrQ+ehWIRjbMJMBeM4KHknnmt+ih6rUFpscT4V8ASeFLG4hsv8AhHVma1FvFdwaD5Mr46NOyzfvc4BIGzJ54qTTvAk1r4a1zSrnUYRHqtu1vHBYWz29raKUZcxQtJJsJLEnaQpwPlByT2VFDuwWjTRzUNrqOt6Ppd1L/wASvV9PkO9ZoDJH5gVo3wMruQ5JVgRxj3FVJ/Ajz2FpbS39vdCCS5dxe2KzI5mk37wm4AOuSA3I5PHOK7Cik0nuVGTikl0/r9Tnk8NXNpYaLHpuoRR3Ok2/2dZZ7YyJKpRVOUDqQflB+9x71U1HwQdR8Qf2nLd2pP2mC4VnsQ80flFT5aSlvlQ7ScAZyxOTyD1lFPrcOZo5xLW41L4g/wBoyW8kNnpNm9rC8i7ftEszIzlR1KqsaDPQlmx92pfD/wDb8mq61ca0XjsJbhRptrKsXmQoq4ckxkghm+YZJbB5x0reooWn9edyQooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACisnxQ2sL4duD4bXdf5XaBs37Nw37N/yb9u7bv+XdjPGa5X/hPI9G0BFgl1XXNVe++yNbalaGKeCTyvNKultbk7QgyGSNwcjkr8wAPQKK8+1Hxf4oudP8O3ekaLDZte6iba5t9Rnlt2YgSfKA9uWEbbdwcqrYx8vJxY1fxVq2gXGqx6msP2iXTI7rTbeN96C43eU0SuVUuPMeHBIz+8PA6Ua/p+Fw62/rex3NFcJfeO7rw/rljo15arqah7W0u76Hz96TS7VBcLb+QhJZW2mVTtYEDkA6FlG1p8UNSijubx4JtLiuWgmu5ZY1kMsgJRGYqnAAwoA4odk/LX8FcOl/T8XY6uiuMb4iwQaTp+o3enukN3oU2suI5d7RiMRHywMDcT5vB46dOeI9N8eape6RqtzP4WvY57GFZYY44boJcbiRtBlt43LDGSEjfgjG4/LTatv/AF0/QdmdvRXnOu+Mry48O6LdxaiNO+06sbS8fQf+JjJGohlcpte3LBwyruUxblwc45qO1+IuoWnhbQ2+yNreoalFNPHIkcpD26SBUkcW0MxV2V0JAQKDuGVIClf1+Fxdv68j0qiuD1T4iahb6XcXmm+HC5sdKTU7+HUbprSSBXDFYwojcs/7t8g7QOOeTjVu/GX2VL9vsO77Hqtpp3+uxv8APEB3/d42+f077eozw7O9v63t+YHT0VxOl/EGfVfFX9nW2g3bae1zLarfrDcEK0ZYF2JgEIQshAKzMeV+UHIWzo3i7UtZuNRtk03T7W9t1Zrexur+WO4cBtoaSNoAUQ9nTzFJ4BNT0uD0dmdbRXKfDzV/EGteFbO98RW9mplhVknt7oyPMcnJZPKRU7dC34Vta7qc+k6b9otrNrt/MVNg34UHqzFEdgB6hT+XIb03Gld2Ro0Vy9/4xe2ttP8AsdpDqFzeRPL/AKJLLPCqqQCQ8ULseWGDsA4PI4BjuNd16bWdGGn6dBHBe2skrW97cNDJuAQ4ceUxUru7dcnOMUrj5WdZRXJ3et6hBJf6V54Govewx2b7VO2KXndjGDsCzdRzs5qaLxczeKY9JazVoJZ5II7qJpWG9FZiCWiWPPykEK7EHjHXAncOV7nTUVylreNoZ8VTBri6h08iaOKe5eTH7gOVDOWIBOfYZ6Va1XxWulzXsTWjStbw2zxhCxMrzOyKuFUnAK5JAY4JwCRgl9B8j6f1t/mdDRXMJ4rvn0KW9Oh3Czx3Cw+W6TqhBAPmZMIk2jOCfL6j05rN8ReJpoo9MnTVXs7aezuZ5JdJRbxGZNm352iPyDc2Wwo9SKG7f15XCMG3Y7miuPufGV7Ypa250p7+8FlFcXYtVlcAuD8sZjjcE5Vsbio6cnki3d+KrqK8f7LpkclnDeQWc00tyY5BJIUHyoEOQvmLnLLzn60+thcrtc6WisJfEoP2PfbbVub+4syfM+4IvN+fpznyunbPU45p6L4xuNXdmGiXaW7W7XEEixTfMBghWLxou4g8BGccHnGCVdD5Jf19x1NFcnJ4m1K78Jape2kFjDfWsLOYPtbl4PkJzIrwgqwxkKVwfXFbmi3GoXOmRS6rBbwysqkeROZQwIHJyi4PsAfrT6tdiXFpXNCiua8XeONP8HNajUY9/wBq3bP9OtLfG3Gf+PiaPPX+HPvjitnSNTi1nR7XUbYbYrmMSIPNjkwD/tRsyH6qxHvQtVcWxcorir/4gXFjrt/anRlax0+/trKe6+14YmcLtZY9nOC3ILDtjPIFY/Eu4mvbxdP8OXl3aW8lxCtwizAF4g3LHyvLVCylch2IyCV6gVyu1/66f5o6Fhqr6fkd9RXNWHjew1TUdMsrACaW8UtNhmHkYiEnGVw/3gMjHPuMVf8AFDawvh24Phtd1/ldoGzfs3Dfs3/Jv27tu/5d2M8ZpSTjuYuLW+hrUV5//wAJ5Ho2gIsEuq65qr332RrbUrQxTwSeV5pV0trcnaEGQyRuDkclfmCaj4v8UXOn+HbvSNFhs2vdRNtc2+ozy27MQJPlAe3LCNtu4OVVsY+Xk4XX7vxJ6X/rQ9BorhtX8VatoFxqseprD9ol0yO6023jfeguN3lNErlVLjzHhwSM/vDwOlNvvHd14f1yx0a8tV1NQ9raXd9D5+9JpdqguFt/IQksrbTKp2sCByARau3f/hg/r8v8zu6K5Syja0+KGpRR3N48E2lxXLQTXcssayGWQEojMVTgAYUAcVXb4iwQaTp+o3enukN3oU2suI5d7RiMRHywMDcT5vB46dOeBaq/9aX/AMmOzu16fjb/ADOzoriNN8eape6RqtzP4WvY57GFZYY44boJcbiRtBlt43LDGSEjfgjG4/LVDXfGV5ceHdFu4tRGnfadWNpePoP/ABMZI1EMrlNr25YOGVdymLcuDnHNGwlr/XZXPRqK81tfiLqFp4W0Nvsja3qGpRTTxyJHKQ9ukgVJHFtDMVdldCQECg7hlSApvap8RNQt9LuLzTfDhc2OlJqd/DqN01pJArhisYURuWf92+QdoHHPJw7f1/XoC1O8ormLvxl9lS/b7Du+x6raad/rsb/PEB3/AHeNvn9O+3qM8UNL+IM+q+Kv7OttBu209rmW1W/WG4IVoywLsTAIQhZCAVmY8r8oOQpZv+vR/qg6XO2orktG8XalrNxqNsmm6fa3turNb2N1fyx3DgNtDSRtACiHs6eYpPAJql4Z8Va//wAKzm8ReJLOzf7Pp73aSW10Xe4KqzHcnlIqdB0LfhU30uNJt2Xod1RXOjSNUk8Em2OrTrrEkfn/AGxWOFuM78Benlhvl2dNvB6k0608RX2p+C9L1zR9J+2z30dvI1r9oWLy1crvbc3B2Ak474wOtVbW39ak3uro6CiiikMKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAq6lp0Oq2L2ly9ykbkEta3Ulu/Bzw8bKw/A81lf8IRoP8AZjWJtrgq1wLo3DXs5ufNA2h/tBfzdwX5c7vu/L04rU1WW9h0u4k0qBbi8VP3UbEYY/iVB9cZGemR1rmrjxRqMelW6WoS81Oa9No6iyMPkuIzIVMckwDHAH/LQA5yCcYKvr/X9dilFs2rjwxpt3okWlXIu5beFxJG7385nRwchhPv8wEeu7OOOnFJc+FtIvW0tr22e5fSXD2kk9xJI6MMcszMS/QH588gHqAaw9RuvE0trockkkGlXEl/5U0Twl9/D7WOybAUgA7NzckfNxy7WdT1DQ7u7glufOuNSs0FmVBVBchhEQqknaD5kbYyejH1ov27/ja4+Tp5frY0rzwRoF/rDandWcr3LTxXDAXcyxtLHt2SGIMELjao3bc4GM4p6eD9Jj8SNrqnUP7QbhnOqXJjK5J2+UZNm0EkhduATwKx73xJf6Rq1vY2uLyyt7i2sbiSWIbhJJtHMpm3M2GDcRt6Z6kaNraW1r8Q797a3ihabTo5JWjQKZG8x/mbHU+5oula22v5X/FCcXZ38vzCx8AeGtOuJJrfTizSW0lmVnuJZkEDkFoVV2KrHwPkAAHOAMmrNp4T02x024sbebVBBcBVbfq927oF6BHaQtH/AMAIzWOfGs8WnWdy8VvK8mhy6nNDGSDvXy8AcnapLNyc9OvBq1Y6p4qm0y+kn0qMzrEr2bFY4xKxzkbVncHAwcl1znHHWm+q/rd/8Ebi+pes/CWjWKQCG2ldre7N6ks91LNIZthj3s7sWc7CV+YkAY9BiGTwNoD28cMdrPbCKea4je0vZ7eSNpW3SBXjcMqseSgIXOOOBWLqurXN7pumJJJd3U41X7Pd2+nK9hKcQO3l8y9vlOQ+DwRnio7HxHq40TRrXSUa+uruOeUvKoldESQARsJJYtzqGAY7icqeDnIV/wCvl/X3D5Hp/Xf/AIP3+pf8X/D/AE/xFoN5DbxsNRfT2s4Jp7ybY+FPl+cAx83ax3AuGIOSOav3fgfQdQ1RNRvrOSS6WWKc4upVjMsWNkhjDBC42gbiucDGccVlav4p1q0sLuUR2GnT6dp0d3cw3ambfI+4CNSrqAMpjd82SwGOOb954mntTdr/AKOGi1W1solbOWWURFu/LYkfH06HBpp62/re35i5Hp/Xb/gF+18LaXZazJqdmt3BPLI0jxR30627O33mMAfysnqTtyTz15o03wvpmlak9/bi8lumQxiW8v57oopIJVPNdtgJAyFxnA9BWXpWv67qeuN5emD+yhdS27SEIpjCFl3bvOLEkqPl8pcbuvGTPp2qaxc3l1Y6hJb2N80byW1u9i7AIGA3+YJSsg5HA2MM8gZFJPRNdgcXd3NHSPDunaE850xbmNZ2LNC95NJEnJPyRuxWMZJ4QAVavrCHUbfybh7hF3bs29zJA2f95GBx7ZxWJ4Kl1N/C9rc6xfw3KtCCG8lkdcE53uztu/IdKb4l8TPb6DY3Phm5gvLnUp1isfKhW6W5yrMdv76Jfuqx3GQDjuSBR0sKzTZoP4Y0p7W3gEM0QtixikhupY5QWOXzIrBzuPJyTk8nJqa80Oyv4baO5Fxm1/1Usd1LHKvGD+8VgxyOuTz3rhLHx3rOv6Lp8cD6Zpd1Pb3013dXkJliVLaXym2okwAJJ3E+awUDq2c1zd5rmoS/BdtKs7rT7K0svCFtPdSXcLSPcedEyqkeJFCfcxuO/JYDHHNJXv8A13/yGrtpX/rT/M9hfRrCXV4NTktw17bxmKKUs2VU57ZwTyeTzyfU1Wh8L6RBqa38Vs4nSV5kzcSFI3cEMyoW2rncc4AzXL6qLvQ/Eya1r32+80mWe3itJLLU5YhZsxSMJLbBlSVC7E7/AJ2+bBXAyHaN4r8Wa34klFroyDRFvLi0M7xxjyPKLp5hb7TvYlkH7vyUxu+9xllb9f6/EhSbjfpodLB4V0q3lupFS6kN4hS4We+nlWUEbTlXcg8cZxwOlJD4S0WGG6jW1kcXaok7y3MsjuEJKfOzFgVJ4IORgY6CuS0OfxQPDPim41XW7W5S2l1BEENpLFLG6k7SrtO21R2XbkDHzeun4Q8PyyeHpovEmnRzQX0EW6O51q51VJhjJ3JcKAnJ6LkHv0FSrWuuyf33KcmnZvq/wsdD/YNp/Z/2PztQ8rf5m7+0rjzM4x/rN+7HtnHtS2+g6bbCDyrb/j3jkjTe7N8shBfdkncWIBJOT+ZrgtN17UPD3wr8JW+gWSz3l+y2kC+WjLHhHf7jSxK3CYA8xeuRnG0mp+OPGWnR2MFzpmn2N68avPHdIWLbruO3UgRysEyJQ+N77cbcnORVruy9Pw/yE20rt/1ex2o8KaSsdskMVxB9liEETW97NE3lg5CMyuCwHYMTjJx1qvrXhO2v7hLy0jEd59rt7h2eZwjeW6ktsBK79i7Q2M9s4rkP+E88YX0sFpoWjQX95DZi5uhHCgSZjLJGAvmXMZiX9194CbG7p8vzal/4s8RW2sXkiR6amm2WrWWnvA8UjTyCdYNxDhwqlTNkfK24DHy4yRK7Vu/6/wCY+aS+46aPwxpEeqrqKWz/AGlJXmQmeQqjuCHKoW2ru3HOByeTzT7Pw9p+niVbIXUUciFPKF7N5aA/3E37U9toGO2K5zw6fE8njzxDHe6zYzWNvcxZtvsMoYI0IKiNjOQnPX5TuIY8ZwNHwlnULnV9aum33Mt/PZoM5EMMErRqg9MlWc+pf0AwlqvkDct7/wBas1LPQtPsVuBFHLKblQkzXNxJOzqM4UtIzHHJ4zjk+tS6bpdtpNt9nszP5WeBPcyTbeMYBdiQOOg4rL8ba5eeHfC8moaZHBLcrPDEiXGdh3yqhzjno3/1jXMXfj3XbIz6Z9ltbvVV1hNNjmgh2xsrQiXd5bzD5sZXBkA757G4xctV/W3+aNoUZ1I8y/q3U9HorgoPHWraVeRQ+MdLWyMlsXWOAKzsyylWfiRlVRGQ5XJIw3J4rp/DGqT614ctdRuURHuN7AIpA27yF4JP8IBocWlcidKUNWJceFdGunu3ns97XlxFcznzXG+SLGxuDxjaOBwcc5pIfCuk22oy3ltFcQPNI0ksUV5MkLuwwzGEP5ZJ7nbyeevNc3rYu9D8WnWte+33mky3MEVpJZanLELNmKRhJbYMqSoXYnf87fNgrgZCaN4r8Wa34klFroyDRFvLi0M7xxjyPKLp5hb7TvYlkH7vyUxu+9xlkm2v68v+B5fITqTXXQ6PS/B+haNdW1zptj5M1tbm2ibzXbbGWLEHLHJyTycnnrWhqWnQ6rYvaXL3KRuQS1rdSW78HPDxsrD8DzXB6HP4oHhnxTcarrdrcpbS6giCG0liljdSdpV2nbao7LtyBj5vXT8IeH5ZPD00XiTTo5oL6CLdHc61c6qkwxk7kuFATk9FyD36Cp5nJXfZP77smUm37z6tfcan/CEaD/ZjWJtrgq1wLo3DXs5ufNA2h/tBfzdwX5c7vu/L04qzceGNNu9Ei0q5F3LbwuJI3e/nM6ODkMJ9/mAj13Zxx04rh9N17UPD3wr8JW+gWSz3l+y2kC+WjLHhHf7jSxK3CYA8xeuRnG0mp+OPGWnR2MFzpmn2N68avPHdIWLbruO3UgRysEyJQ+N77cbcnOQ93yruS9Fd/wBXdvzO3ufC2kXraW17bPcvpLh7SSe4kkdGGOWZmJfoD8+eQD1ANV7zwRoF/rDandWcr3LTxXDAXcyxtLHt2SGIMELjao3bc4GM4rjv+E88YX0sFpoWjQX95DZi5uhHCgSZjLJGAvmXMZiX9194CbG7p8vzal/4s8RW2sXkiR6amm2WrWWnvA8UjTyCdYNxDhwqlTNkfK24DHy4yXHV6d/1Sv8AfYP8v+D+p0CeD9Jj8SNrqnUP7QbhnOqXJjK5J2+UZNm0EkhduATwKgsfAHhrTriSa304s0ltJZlZ7iWZBA5BaFVdiqx8D5AABzgDJrM8OnxPJ488Qx3us2M1jb3MWbb7DKGCNCCojYzkJz1+U7iGPGcCs+pTQeF/FXibfu1J57mwtBu4hEUrQQxr0xmT5z3Jf2GHTg6jUI9f10/UfW/mv6/A6W08J6bY6bcWNvNqgguAqtv1e7d0C9AjtIWj/wCAEZos/CWjWKQCG2ldre7N6ks91LNIZthj3s7sWc7CV+YkAY9BjyG71LxRoumXialqmqpc2OjXVnAss7hp5GuVhhuW5zuJZsHP3VBHWur1OXUvCfhf7DKt5Fq+sSpaRPa6re6tIiAZlnVXTchVSx+RTztz7enLL5RatK7bsvk/v00ezMlPpb1+7/g28zrZPA2gPbxwx2s9sIp5riN7S9nt5I2lbdIFeNwyqx5KAhc444FUPF/w/wBP8RaDeQ28bDUX09rOCae8m2PhT5fnAMfN2sdwLhiDkjmuQ0+48R6t8LbC7066ur5NNv7sahbz38tnc3UEckgVfPPzow+QkMVzjBPY2dO8XwG8vdYsby/t9G0vwvHdx21/cSO7STu7qzl2YuwEYUElvvYB5qHl81zWd+VtfdovNN9NPnui4zd1/XX/AD1O1u/A+g6hqiajfWckl0ssU5xdSrGZYsbJDGGCFxtA3Fc4GM44qza+FtLstZk1OzW7gnlkaR4o76dbdnb7zGAP5WT1J25J56814zZ3mv3OoW+lTanrkWobtP0+DUZL+RLeG6Ef2i4EiB/3jsrbAGUg4AJFddp9xfaj4m8SeIbszSaLpuouiP8A27dW4hW3jUPtt0HlyKXVidzDOTket1MudO95dL/fbbXr9+m2xEZXSS8v1/KzO403wvpmlak9/bi8lumQxiW8v57oopIJVPNdtgJAyFxnA9BUdt4R0ezsr+zgiuPsmoI8c9tJeTSRBWzuCRuxWMHceEAH5V5Rpmq+KNLbTrnxJf6lHDay3OoPvlcC7Q2ZnZOSd0cblVUdMkjqK0ILPxDY/DS3mvbi9h1XV4rSzgvY9fu7mQvPIgZ/JcBImCknKkkYIzjJonlvLZOa1sl82/Pyu7X3Gqmt/wCtOp6D/Zeur4MOkR38H28J9mTUGySIs7RKVxzKE5x90t3A4qLXvBVtrHhex8OQypaaXbNDuQRlpNkRUoEfcNhyo+YhuM8d6830jxBe6x4R8Tahq2o6iG8O6OllIsV7NBuvYhKXk3IwJJOzJ79Oa9R8HaNJo/hmyju7m+ub2S3ia6kvL2W4LS7BuI3sdvOeFwPascRhHh7uUtbr59f1vt1BSvZW7/pf/L5G7RXA6z4jk0/xxr91LfSRWOheH1laAsQjzSO7BtvRiBEFBwfvEdzXmkniLxRoUEkt3q+qSrc2X9goJZnJS/aCKQSjJ4YO8i56jb1rWhls6y0dnZP7/wDgW+8JTUXr/Wz/ACf4M+iaK8/i00XXxaFidR1ZodO0iKe4RdUuFjknaTajFBJj7sTZGMHccg0vhfS/tfxD8TTm+1aSy025ggtYZNWuXjWXyhJLlDIQRmRRtIIGOAKweGgot82yvt3aXfzv6BzPt/Vrnf0Vy/xKnurX4a63dafcTW1zbWxnSWCUxuuwhjhhz0BHv0ri9S8V32ord6xYXl+sGrSDSdGjslll/dKc3N6IowSxGG2ttJAVezUUMHOtDnT62/L/ADv6JscpKO565RXg/wDwl9yPC+gxXcmv6hDZS6pc6gLS7kguXggd0TzHMiSAAuhIJz8vQ4xXrvg21v7LwZpcGr6gNSvFt1Ml0HL+ZnkHceW4IG48nGT1qsTgpYeHNJ9WvubX6fivMSld2NuivEPGvivWtN8Xa5d2moXqafdiTw/aRJIwSO8MUbpKoB4bc7jcMfd61M3jWeLx3pupPqGqLo1vPNYqsiTLbXUMNtIWnLsBHIzSqcfMxwgPHNbrK6rgpp7q/wCF7eoOetv6/rf7j2mivDdM1XxRpbadc+JL/Uo4bWW51B98rgXaGzM7JyTujjcqqjpkkdRXb/DbTNVtNDtNR8QmUzS2KO1xLrt1deYWAYloZAI4z0+7nHIz6518D7CDnKafp8/Py6X3BTu9P6/rQ7uiobS8ttQs4ruwuIrq2mUPFNC4dHU9CGHBH0rm/FHiLVNK1OG20xLQq0UbsbhGYktOkWBhhj/WZzz0xjnjzeqRpFX2OqorhV8WeI7x4oNK02K6uY7YTThI1Cyku6gDfOhQfu+v7z73Tjm1qnivULLX44beKOWyW7t7S4BhUeXJLt+XzDMCSA4biIjtnqQk7lcjOworn4tW1GPxM1nqflWttM7JZJ9lZjcYXdkTCQqDgE7WRT6ZwTVGHxdcy2ti4FqZbjQ5dSkQA/K6hNoxnhSWb3468GlzK1/66v8AQFBt2R11Fcrd6zr2l6C+o3a2NyZxAtvHbxMhieRwuG3yYcDcOcpkjHGcjP1HxR4n0zSw95p9rb3H79w08YxIkcPmZ2JK+0kgr98/3vam9L36BGDla3U7qiuGbxXr8jwWNpaQTX7yT7nhhDLtj2cBJJ48n95yd56fd54n1LxH4htbe6mW2sbVrDS4r65gmVpWLkybowysAB+7+9zj0OeDpcFBvb+tbHZUVywfXH8fSxRalapafYo5RA9q7fL5jAgfvQN/+1j0445qWmoXT6Zov+lzNLJrU8Un7wlmRWn+U88gBRx2wPSlfRP+t7C5e39aXO0ork9A17Wr+fT01A2AGpaa15F5ELjyWBjGGy/zg+ZnjbjGMnrVa3+3Q+Adc+wSW1rdwz3haWGGTa7BmLMqmQsrE8j5iAe3aiT5U35N/c7FcmtvOx2tFc4dKuta8FvaaxfxSSTwrJDdWsTQtCwAZHBLtllYBt2R06Vd8KarLrvg/SNVuUCTXlnFNIqjgMygnHtnpVtWbXb+v0M+lzWorl/GhOn/ANla7bkrdWd/BbkKcedDPKkTxkd/vK4/2kWtK6v7qLxZp9il3paWs9vM8lvNIRdyOpXaYl6FACdx7ZWktf68rg9DWooooAhurS2vrV7a9t4rmCQYeKZA6t35B4NVxoekjTDpo0uzFiTk2ot08onOc7MY689KvUUDuykdG0xtLGmtp1obAdLUwL5XXP3MY689OtSDTLBUtlWytwtp/wAewES4h4x8nHy8ccVZooC7KUui6XPf/bptNs5Lv5f9IeBTJwQR82M8EAj6UxfD+jJqP9oJpFit7vL/AGkWyCTcep3Yzn3rQooC7KVro2l2MzzWWm2dvLJu3vFAqM27G7JA5zgZ9cCoovDmiW9rPbQaNp8VvcY86JLVAkuOm4AYOPetKiiwXZUt9J06zghhtLC1gigcyRRxQqqxsQQWUAcHBPI9TUdxoWk3duYLvS7KeFpTMY5bdGUyHq+CMbjk89av0UBdmNrXhjTtX0mS0+y2sMotnt7a4+zqzWysu35OmBjsCKuSaLpk14t5Pp1pLdqFAuHgUyDaQR8xGeCARV2igLspDRtMGpnUhp1oL49boQL5p4x9/GenHXpRY6LpelySSaZptnZvL/rGt4FjL/UgDNXaKAuynBo+mWsly9tp1pC91n7Q0cCqZs5zvIHzdT19TUNx4d0S70ePSbrR9Pm02LHl2UlqjQpjphCNox24rSooC73MyXw1oU9tb28+i6dJBayme3ie0QrDITkuoIwrZJORzk0lx4X0C8FsLvQ9NnFpEYbfzbSNvJjI2lEyPlUjjA4xWpRQIyv+EW8P/wBtDWP7C0z+0w24X32OPzs4xnzMbs4469KePDmiLrh1ldH08aqet8LVPPPG3/WY3dOOvTitKigDO/4R3Rf7TuNS/sew+3XUZinuvsqebKhABVnxlhgAYJ7Cq1t4M8L2dldWdp4b0iC1vAouYIrGJUnCnIDqFw2CeM9K2qKAMaLwf4at9Kn0yDw7pMVhcMHmtEsYxFKwxgsgXBIwOSO1Tw+HNDt7eK3t9G0+KGFQsUaWqKsYDiQBQBgDeA3HcA9a0qKAMm+8K+HtTjt01LQdMvEtixgW4s45BEWOTtyPlyeTirr6ZYyeZ5llbv5sqTybolO+RNu1zxyw2Lg9RtHoKs0UAUJtC0m41iHVrjS7KXUoF2xXr26NNGvPCuRuA5PQ9zUen6MNN1bULm1nItr5xM9sV4SbGGdTngMAuVx1GepOdOigCG6tLa+g8m9t4riLcG8uZA65ByDg9wQCPpVe40TSrqG5iutMs5o7tw9wklurLMwxhnBHzEYHJ9BV6igak1szOi8O6LBDFFDo9hHHCjpGiWqAIr/fAGOA3cd+9Xbe3gtLaO3tIY4IIlCRxRKFVFHQADgCpKKd2Dk3uzKPhbw+db/tk6Fpp1Tdu+3fY4/PzjGfMxuzjjr0p48OaIuuHWV0fTxqp63wtU888bf9Zjd0469OK0qKWwjO/wCEd0X+07jUv7HsPt11GYp7r7KnmyoQAVZ8ZYYAGCewqtbeDPC9nZXVnaeG9IgtbwKLmCKxiVJwpyA6hcNgnjPStqigDGi8H+GrfSp9Mg8O6TFYXDB5rRLGMRSsMYLIFwSMDkjtU8PhzQ7e3it7fRtPihhULFGlqirGA4kAUAYA3gNx3APWtKigDJvvCvh7U47dNS0HTLxLYsYFuLOOQRFjk7cj5cnk4q6+mWMnmeZZW7+bKk8m6JTvkTbtc8csNi4PUbR6CrNFAFCbQtJuNYh1a40uyl1KBdsV69ujTRrzwrkbgOT0Pc1Xt/Dtvb6lfTfJLZ3sqXLWksQZUuFI/eqT0ztQ4x95dwwSa16KFo7oNyhf6FpGqeb/AGnpVleecixy/aLdJN6qdyqcg5AJJAPQ80zT/DmiaS6PpWj6fYtGGCNbWqRlQ2NwG0DGdoz64HpWlRV+0ny8t3YVkzFuvBvhi+kMl74b0i5cszlprGJzuY5Y5K9SeT6mrN54e0XUNQgv7/SLC6vLbb5FxNbI8kW05G1iMjB5GOhrRop+1qae89PMLIpto+mMSW060ObgXRzAvMw6SdPv8D5utUl8H+GVu5rpfDuki4nDiaYWMe+QPkPuO3J3ZOc9cnNbNFCq1FtJhZFS80nTtQx9vsLW6xE8I8+FXwjY3JyPunAyOhwKrWPhfQNMXbpuh6bZr5iy4t7SOP51yFbgdRk4PUZNalFJVJpcqbsFkUToekm2urY6XZGC8lM1zF9nTbPIcZdxjDMcDk88Cql/a+JZLx20rVtJtrXA2RXGlyTOvHOXW4QHnP8ACPx61s0U1Uknff11/MZlSeHdNv57O+1vTdNv9UtkQLeNZLuRlOcpu3Mg3ZIG449e9WJNF0uZVWbTbOQLc/a1DQKcT/8APUcff/2uvvV2ij2k+4rGVaeFvD9hqR1Gx0LTba+JYm6hs40lJb7x3gZ5yc+tPutOuILaQeG20/TbiefzppJrIyrKSPmJVHjJY4HzEnp+WlRR7Wbd27+uoWRlWVhqc1vc2/ia60zU7eZNgig09oVKnIYOHlkDAgjjjv1zxZt9I021e3e10+1ha1hMEDRwqphjOMouB8q8DgccCrlFJ1JP/gafkFigmhaRFJNJFpVkjzq6ystugMgc5cMcchjyc9T1rObTfE0DGHStV0O0sY/lt7c6LI3lRjhVytyoOBgcKB7Cugoqo1Zrz9dfzCxQn0LSbqERXel2U6ef9q2yW6Mvnf8APTBH3/8Aa6+9JPoGj3OnQafc6TYzWVuMQ20lsjRxcFflUjA4JHHYmtCip9pNdRlS80nTtQx9vsLW6xE8I8+FXwjY3JyPunAyOhwKqQeGdK07T7q18P2dvoZulw8unWsMbA9mwUKkjJ+8COa1qKXPJx5L6dg8yhoei2Xh3Q7TSNKi8q0tIxHGpOTj1J7knJPuasT2NpcyCS4tYZXAADSRhiAGDAZPowB+oBqeik3d3BaGfc6Do96sS3mlWNwsGfKEtsjCPJyduRxk+lPl0XS5r/7dNptnJd/L/pDwKZPlII+bGeCAR9Ku0Uh3ZSh0XS7bUHv7fTbOK8kzvuY4FWRs9csBk5pIND0m1eV7bS7KFpgwkaO3RS4bG7OBznAz64q9RQF2RS20E1q1tNDHJbumxonQFWXGMEdMY7VUh0DR7e2+z2+k2MUHzfuktkVfmG1uAMcjg+o4rQooC7RRutE0q9t/IvdMs7iHzPM8uW3V134xuwRjOOM1L/Ztj5LQ/YrfynhEDJ5S7WjGcIRj7oyeOnJqzRQF2VLvStPv5oJr6wtbmW3O6F5oVdojwcqSOOg6elJFpGmwajJfw6fax3koIkuUgUSOPdsZPQflVyigLsrf2bY+Wkf2K32JCYFXylwsZxlAMcKcDjpwKisND0nSmkOmaXZWRlGJDb26R7x6HAGavUUBdmLe+GrR9BudK0ZYdGhuztneygVGKHh9uMAMVyA3OOvata3t4rS2it7aNYoYUCRoowFUDAA9gKkooFvqZepaMNU1TTp7m4P2WwkM4tQvEs2MIzH0XJIXH3tpz8ops3h21ufFNtr11LLNcWcLxWsTBAkG/AdlwoYlgADuYjjgCtaigAooooAKKxfFr3cXh1ptPFy0sNzbSutqrNIYlnjaQBV5b5A3yjJIyMHOK5OW+1m+t9UuvI12LS5dcj3qsM0dyLL7PGCYkH7xVMoyQgDgF+Ac11UcO6sea9v6X+f4Cbsd9JfW0WowWDyYubiKSWNNp+ZUKhjnoMF1/P61BqevaPorwprGq2OntOSIVurlIjIRjO3cRnqOnrXJTaNBq+paH9gbXotOjsL4NLLNdwz7jJAVV5JMTLkqSASMheMrkHMNxqen6PperWx1f/hLH0a3jnt5dHnuILxgpIjmYIBG+9m58xNucsCBit4YWErau/VfN272210dvnom3Y9Porza+i8Q3Hj4td6lf6Yn2i3NpHb6feXMLRbU3qXikEAy/mKTLGSAc5xtxoWMl3D8SpgF1TUIriWQNJIt7bwWKhOAFf8A0eYEgAMm1hnOG5YZvC2jfmvpfb9dvx3Vt7XOY7mqem6rZavDLLp03nJDPJbyHYy4kRirLyB0IIz0rjvC8s8WtapDdLrN9btDLLJqMyX8G35+Ilgl+Xdgkh4PTG1eM0rG/v38I6jaWKeIgIdSLM1xbXYuTYmYZ8p5l3s3l5wFJcDphsVX1TVq/bXpr3/pA5W+/wDQ9KorzqCy1C/e1trKbxFDokusDY881xHceR9lk3hmk/fLGZQAC5ByflI+Q1saJqN7oPhBW1Oz1jUJU1Ka1jRYmnuPKNy6RuxY5KBNpLkn5RnmsquHVON+bXTT1/Xuh3/r7/8AI62iuC8fSXcGtWFzaDVr4wxfLpVkl/Ck7Fxhjc2/7tTx92UFSO6AlqztSg8Qz/EuQz6tqWnQrdQGxWDTb24heDam5WeKUW65bzFJmjLLnIONpHLHWw3pc9GbULNBcl7uBRaDNzmQDyRt3Zfn5fl557c05r21VrdWuYQ10cQAyD96dpb5f73ygnjsM1wWmaBYab8SNYW9i15zqEiS2r+ffTWsimHa4kYMYuCGAWToNu3jFU9HtNbgjuxc6VeT/wDCK6ZcWOnoS0Zv3YnayPwSfJjhG8dDI4HIpX0v/Xn+iHbX+up6Re3kdhZS3U6zNHEu5hBA8zn6IgLN9ADUel6naa1pVvqOmyGW1uUEkTlGQsp/2WAI+hArz3wDearpc+ty6w+sXWlpbW0sDS6bqG8yEyCQJHcPNMxGEyBgdwvO4mgapdWXgjwrItlrcKabdhNSgGmXSybDBMB+62bpF3tH90MAcHtxT0dvQS1/ryuem0V4/fN4pvdF0t7yXWtOspbrUXnJs72e4RjcE26ulrKkwXy92CGKdAR90jT8Qf2nZw6DK13rWuXMFkm60t7XULL7ZISP3jywfJE3HMcwI7EpktQv6/H+vx2B6X/rqeiXOoWtncWsFxKFlu5DHBGASzsAWPA7AAknoKs1zCbT8VZPtQIb+xk+xBsf89m8/b7/APHvn/gNQWr3cXjScRi/vRM8n7yVbqCG1AXgbW/cyAkABlwec4bkib6ff+H9f11q2r+X5XOuqBb60eKGVLqFo7htsLiQESHk4U9zwenpXF+FbLUrq4ddZ1LUfNkt2W7tmtruAeZkZKzNIUGDnHk7QQemAMRaVo/l+CZbS1h1JdXsFSUJdG4MfnROWURmT5CCVx8nUGi9tyuRbHerPE87wpKjSxgM8YYFlBzgkds4P5GqupavaaQkT37SokriNXSB5FBJAG4qCFySBk4FcjdC/k0OXUGtL23m1bUN8hSO4MtrAqlYy0cDLIeEGVBGC5J6UyS4v1+HMFvqdvqU9891hVFlNI+xLkEFgA5HyAEbmJPqTRcOTb+v62O+ori/EeqX6x6o+nQau/23SkFiILaYFJgZdxIwPLbDIfmwTgYyRiorqLWJfGTefqF7ZxieH7KIrK5mjeLau4FkcRDLbwfMQkZznG3B1sLk0/ry/wAzuapWGtaXqrSLpepWd60WPMFtOsmzPTO0nHSuftHuY/G0y41C9SZ5MyOt1DFaqF4G1v3MgJAAK4POcNyRhaPY+IrLT7bdbN9sGgPFp7x25j8iTgmOUMT8/ClSSoOGGBSv1/rr/kVyLVXPSqK8+tI9Vi0O9eDUNVuEd7cSw/YbuGaKPf8AvWjM7u7MUyMIeMZAyc0/TL64t5JZoP7YksLXWsPHL588ywm0GMoS0hXeyttIyM5IGOH1/ry/zFyaaHfUV51cHXbnTbBrmTU7O2knvGlzbXMsqkzExBlgkWQLszjkr0yPumrur/braPSpDcanqs0VsubeGC7tvtLkj52eL5Ubj7kgI9SuSaEwcPM7UTxG4MAlTzgocx7huCk4Bx1xkHn2qC21K0u7y7tLeYNcWbKs8WCGQsu5Tg9QQeCOOCOoNc1e6Zb23j5b66TVjHc26LG9tLdOglEhyrCMkKuCOGwnX3qef/kq9n9k+9/Y8327H93zU8jPvnz8f8Dpx1t8/wAL/wCRMlbby/T+vwOoorm/Dt7bzeKfE9pFNq0k9tdRGZL5gYY90KlRb46JgZIP8RPrXSUdCQooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigCtc6fa3lxaz3EQaW0kMkEgJDIxBU8jsQSCOhqzRRQAUUUUAFFFFABRRRQAUUUUAFQW9lb2k1zLbx7HupfNmO4nc20LnnpwoHHpU9FABRRRQAVVttNtLO8u7q3hC3F46vPKSSzlRtUZPYDoBwMnjk1aooAr2WnWWmQtDptnb2kTyNIyQRLGrOxyzEAdSeSe9WKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAP/Z)

Figure 9: Changing URC component value

Note that the *‘MEASUREMENT\_UNIT\_VAR\_NAME’* variable shown in Figure 9, is the name of the UCH component variable as described in URC component socket description (4.1)

# References

1. URC Consortium: Universal Control Hub 1.0 (ATR), Online: <http://www.openurc.org/TR/uch1.0-20131217/>
2. URC Consortium: Overview of the Universal Remote Console framework, Online: <http://www.openurc.org/TR/urc-overview2.0-20130218/>
3. The AsTeRICS Developer Manual, Online: [http://www.AsTeRICS.eu/download/DeveloperManual.pdf](http://www.asterics.eu/download/DeveloperManual.pdf)
4. OSGi - The Dynamic Module System for Java, Online: <http://www.osgi.org/Main/HomePage>
5. URC Consortium: URC-HTTP Protocol 2.0 (ATR), Online: <http://www.openurc.org/TR/urc-http-protocol2.0-20131217/>
6. JmDNS java library for a zeroConf implementation:

<http://jmdns.sourceforge.net/>