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IN2026

Games Technology - COURSEWORK

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# Part I

Implement either:

a) A start screen

b) Asteroids that split into smaller asteroids when hit

To Implement start, screen I removed the code that created spaceship, asteroids and GUI containing lives and score from the Start method in the Asteroids.cpp class. This is what the method should look after removing the code:

Text

Description automatically generated

This method will start an empty game session with all the listeners needed for the game to run as well as animations.

Then I created two new GUI method in the asteroids.cpp to create the gui which will be displayed on the empty game session to provide instruction of how to start and quit the game.

Text

Description automatically generated

Then added the CreateStartScreenGUI method to the start method of the asteroids.cpp class. 

After making the empty session and adding the start screen Gui. The game window’s appearance looks like this:

Graphical user interface, text

Description automatically generated

To implement the start and exit I added another case to the OnSpecialKepPressed method of the asteroids.cpp class.

Text

Description automatically generated

I am using the down arrow key as the means to start the game. The code in the above snippet will create and add spaceship, asteroid objects which would start the game. It will also remove the start screen Gui and add the game Gui which display the lives and score of the player.

Text

Description automatically generated

The case above is to exit the game once the End Key is pressed.

There is one problem so far. When I run the game everything works fine except that if I press the down arrow key again once the game has started it will create another set of spaceship and asteroids.

To fix this issue I created a bool variable game start and set it to false. Changed the down arrow key case so it will only start one time because after the key is pressed the bool variable will be set to true meaning nothing happens if the key is pressed again. Here is the snippet of the down key pressed case:

Text

Description automatically generated

I added another break line after the if statement because if there is no break after the if statement it will close the game if the down key is pressed again.

# Part II

Implement either:

a) A high score table

b) A bonus/power-up system

In order to create a high score table, you must store the players name and their score in to a txt file.

Before I wrote any code I added the following libraries in the following file.

Asteroids.cpp:

#include <vector>

#include <algorithm>

#include <fstream>

Asteroids.h:

#include <map>

First, I created an empty txt file in the BIN directory.

Directory Path:



File:



Then I added Instruction for the player to type their name. so I added entername gui label in Asteroids.h



Then added the text and its properties in the CreateGUI method in Asteroids.cpp.

Text

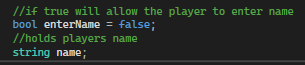
Description automatically generated

Then set visibility to true when the game is over. Add the userline code in the SHOW\_GAME\_OVER if statements in OnTimer method in Asteroids.cpp.

Text

Description automatically generated

After that I added a bool and string to store the player’s name. the bool enterName is used to allow the player to type their name.



The bool is changed to true when the game ends so the player is able to type. Add the underline code. To the On Timer method in the Asteroids.cpp.

Text

Description automatically generated

To make the enter name back to false I used the number 1 key. SO when the player is done typing their name they can press one to stop.



Once the player can type. We must register all the letter the player types. We can do that by adding cases for all the letters in the alphabet and storing them in a string name shows above. This code is added to the OnKeyPressed methods of the Asteroids.cpp.

//all the cases below will add whichever leter is pressed to a string to hold players name.

case 'a':

if (enterName) {

name += "a";

}

break;

case 'b':

if (enterName) {

name += "b";

}

break;

case 'c':

if (enterName) {

name += "c";

}

break;

case 'd':

if (enterName) {

name += "d";

}

break;

case 'e':

if (enterName) {

name += "e";

}

break;

case 'f':

if (enterName) {

name += "f";

}

break;

case 'g':

if (enterName) {

name += "g";

}

break;

case 'h':

if (enterName) {

name += "h";

}

break;

case 'i':

if (enterName) {

name += "i";

}

break;

case 'j':

if (enterName) {

name += "j";

}

break;

case 'k':

if (enterName) {

name += "k";

}

break;

case 'l':

if (enterName) {

name += "l";

}

break;

case 'm':

if (enterName) {

name += "m";

}

break;

case 'n':

if (enterName) {

name += "n";

}

break;

case 'o':

if (enterName) {

name += "o";

}

break;

case 'p':

if (enterName) {

name += "p";

}

break;

case 'q':

if (enterName) {

name += "q";

}

break;

case 'r':

if (enterName) {

name += "r";

}

break;

case 's':

if (enterName) {

name += "s";

}

break;

case 't':

if (enterName) {

name += "t";

}

break;

case 'u':

if (enterName) {

name += "u";

}

break;

case 'v':

if (enterName) {

name += "v";

}

break;

#

case 'w':

if (enterName) {

name += "w";

}

break;

case 'x':

if (enterName) {

name += "x";

}

break;

case 'y':

if (enterName) {

name += "y";

}

break;

case 'z':

if (enterName) {

name += "z";

}

break;

now the Player is able to type their name in the game. Lets write the name and score to the file.

I created to methods in the Asteroids.h file. WriteScore and ReadScore.

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Description automatically generated

In write score method we will be using fstream to write to the file. I added the name then space and then score to separate them. Here is the code for it.

Text

Description automatically generated

In Read Score method I first added the Title for the Score table to gui. Then to read the name and the score I added two variable int score and string pName to store the score and their respective player name.

Then I used fstream to open the file and added the first word to pNAme and second word to score. Now that the score and name are stored. I added the score to the vector and then added score and name to hashmap to keep track of the player name and their score. Then I sort the nums vector from the high to low score and then create another vector to store top 5 from the nums vector.

Then using the GUI label I displayed the score.

To display the name I used the map to find the player name using the score.

Before this code I initialised the maps and the Gui labels in the Asteroids.h.

Text

Description automatically generated



Here is the code.

//Reads the Top 5 Scores and Display Once the game ends;

void Asteroids::ReadScore() {

//create vector to store scores

vector<int> nums;

//cretae string to stores name

string pName;

//displays High score Table Title

mHighScoreTable = shared\_ptr<GUILabel>(new GUILabel("Top 5 Highest Scores"));

mHighScoreTable->SetHorizontalAlignment(GUIComponent::GUI\_HALIGN\_CENTER);

mHighScoreTable->SetVerticalAlignment(GUIComponent::GUI\_VALIGN\_MIDDLE);

shared\_ptr<GUIComponent> high\_score\_table\_component = static\_pointer\_cast<GUIComponent>(mHighScoreTable);

mGameDisplay->GetContainer()->AddComponent(high\_score\_table\_component, GLVector2f(0.5f, 0.9f));

try {

fstream file;

file.open("RecordScore.txt");

int num;

//first word in pName and second in num

while (file >> pName >> num) {

//adds the score to the nums vector

nums.push\_back(num);

//adds the name and the score

playerRecords[num] = pName;

}

//closes the file

file.close();

cout << "Success";

}

//catches exception

catch(int e){

cout << "Error No.: " << e << endl;

}

//sorts the vector high to low score

sort(nums.begin(), nums.end(), std::greater<int>());

//adds top 5 scores from the nums



vector<int> top\_five(nums.begin(), nums.begin() + min(5, (int)nums.size()));

//y position of the gui

float yPos = 0.8f;

//displays top 5 score

for (int i = 0; i < top\_five.size(); ++i) {

//displays score

mPrintScore = shared\_ptr<GUILabel>(new GUILabel(to\_string(top\_five[i])));

mPrintScore->SetHorizontalAlignment(GUIComponent::GUI\_HALIGN\_CENTER);

shared\_ptr<GUIComponent> print\_score\_component = static\_pointer\_cast<GUIComponent>(mPrintScore);

mGameDisplay->GetContainer()->AddComponent(print\_score\_component, GLVector2f(0.7, yPos));

//displays the player name by using map to find the name by score

mPrintName = shared\_ptr<GUILabel>(new GUILabel(playerRecords[top\_five[i]]));

mPrintName->SetHorizontalAlignment(GUIComponent::GUI\_HALIGN\_CENTER);

shared\_ptr<GUIComponent> print\_name\_component = static\_pointer\_cast<GUIComponent>(mPrintName);

mGameDisplay->GetContainer()->AddComponent(print\_name\_component, GLVector2f(0.3, yPos));

//decreases the yPos by 0.1f

yPos = yPos - 0.1f;

}

}

At last, I added another Timer variable in Asteroids.h which will read and write score table.



Then I added another if statement in the OnTimer method in Asteroids.cpp to write and read. And also make the enter name gui disappear.

Text

Description automatically generated

Then this is called when the player presses 1 after typing their name.

A screenshot of a computer

Description automatically generated with medium confidence



That’s it the High score table should be working!

Here is what the game should look like when the game is over.

![Graphical user interface

Description automatically generated](data:image/png;base64,Qk0ezgcAAAAAADYAAAAoAAAAkwEAAKYBAAABABgAAAAAAAAAAADEDgAAxA4AAAAAAAAAAAAAGhoaGhoaMjIyPj4+AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGhoaGRkZMjIyPj4+AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGhoaGRkZMjIyPj4+AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGhoaGRkZMjIyPj4+AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA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fHiIoTlpnOUJLKC41LjU9S1dkVmRyV2Z0SlhlTl1rTVxqU2NyW2x9Wmp6YXKDYHGBYXKCZHWEY3ODbH2OcICRanqJWmh2ZHKBZ3aFXm18YHB/WWh3XWx8aHqMZXaIYXOEYHKCYXGCXWx7Ul5rRlBbJywyP0pUN0BJPEZRQk1ZPklTLjc/PUlUMzxGLjc/ND1GP0lVUmFvWGh4U2FwPkpVNT1HSFVhT1xpQ05YJCsxAAAAAgICAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGhoaGRkZMjIyPj4+AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQEBBAUGJy41N0BKN0FKN0BKLTU9KTA3RVFdMzxEJCowDQ8RKjE4LDM6JiwzLzc/QEtVZHWFYG+AW2t6TlxqT15tUWBvVGR0VmV0XW19XGt7YnKCY3SEY3SEaHiIdISVbX2NXWt5bn6OYnGBZXaHY3SFXm9/XW5/VGRzXG1+ZHaHZXeJY3WGZ3mLa3yNZXWFUV1pRVBaQUtWRFBcPUdSRlJfRFBcP0pWMTpENj9KOkRPLzc/P0lTV2Z0UmBuSldkOURORVFdSFRfKTA2HSEnAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGhoaGRkZMjIyPj4+AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAgICBAQFJy82MDlCPEZRO0ZRMjtFISctMz1FND5HLDQ8ERQYGR0iLTQ7Jy00JSsyLzc/VGNwanqKdYaXX25+Tl1qTFlnTVpoTFpoWml5XGx8YnKDZXaGYG9/aHiJcoOUanmIZ3aEbH2NaXqKanyOZ3qMYHKEWWp6TVxqVWZ2YnSGZ3qMaHuNan2Pc4WWcICQaHeHPUZPTVllUl9tTVpnTlxpSFVhSlZiJy00LzdBNT9IMjtDRFBbTVlmUV9sQUxXNT5IQk1YMjpCGh4iGBwgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGhoaGRkZMjIyPj4+AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABgcIJi01LjdANT9JSldkMDlCFBccMjpDOENNKTA4ERQYMThASVVgNj9HISYsHSInOEFLW2p5bX+QaXqKXGx7Wmp5WWh4UmBuV2Z0Wml4ZHSFY3ODaHiJZnaGZnSDXmt4YnF/aXmKcIKTcIKVb4KUY3aJVGR0TV1sWWt8W25/Wmx9YnSGaXyObX+QeoucZnWFQkxVTVlkUV9sS1hlTlpoT11rSldjMjtENT5INT9HQEtWQ09aUmBtUV5rRE9bPklUKjE3BwkKHyMoAgMDFxcXAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGhoaGhoaMjIyPj4+AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQEBFhsfLDY+Jy83PEdSMTpDHyUrMz1GOkVQLDQ8GiAkExcaOkNMOEFKND1GKTA3KDA3TFlmZniIYG9+Xm19W2l4Xm18XWx7YHB/ZHWFanuMaXmKbH2Oa3yMYnB+Y3F/aHiHanuLbX+QcYOVan2QXW5/RlRiR1ZkUWFxT15uSllnUWFwXG19X3CBWWd3R1JdOkFKSlVgU2BtVWNyTl1rTVtpTVxpQ05aOkNNOUJMRlJeUV5rVGFvTVllRVBdJSsxBAUGAAAAAQEBAwMDAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGhoaGhoaMjIyPj4+AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABwgJJy82ICYsMDlCMzxGJi00GBwhOENOJy41GR4iFRkdGh8kPEZQKjA3JSsyPEZQTFlmV2Z1Wml4YXKCaHiJYXB/Z3eGa3yNZXWFZHWEXm18YG59b3+QX218XWx7Wmh2ZnaGZ3eIZ3iKZHeJWmt8QU1bN0JNNUBKNkFMO0dSSVdlQU1ZTVpoRlJeQkxWNDtCO0RNP0lTRlJeRlJfRlRhQk5ZPEdRNkBJOEFLR1JeWWd1MDc+JiwyLjY9Gh4jERQXAAAAAQEBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGhoaGhoaMjIyPj4+AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAgICGyElHSMoJy82MDlBKzM7HyQqLzhAISctHSIoHiQpCwwPLDQ8ICUsIyowND5GTFpnSVZjSVZjS1hlVmRyUl9reoube42ebX2OYXCAQ05YSVVhWml4WWh2XGt7UV5rVGJvW2p5a3yOZXeIVGNzO0VQO0ZRNT9JLTY/Mz1GPUdSNT1GSlZiRVBbQ05YPEVONz9IQEtWRVFeQ09aQU1ZPEdRP0lURlFdNz5HUV5rPUZQHCEmICUrLzc/GyAlBgcIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA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fQExYPkpWRVJfPEdSP0pWO0ZRPEhUAAAAGhoaGhoaMjIyPj4+AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQEBAAAAJi0zKC83JCoxLTU9FBcbExYaGR4iKC41KTA3LzdAMTpDLjdAKzQ8LzhBLjdAIikwKTE4Nj9JLjY+NkBKMTpDO0dSQk9cP0xYP0xYT15tSVdkQ09aSlZiQ05ZPUlVO0dSQk9cS1poTVxrR1RiRFFeTFpoSVZiS1ZjS1djS1hkT1xqS1hmTl1rVmZ1R1RhR1VjU2NzUWFxTV1sVGR1SVdkQk1YN0FLDhASAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAHx8fAAAAGh4iLTY+ND5HKjE5LDM7Nj5HS1dkTVtoSVdlR1RiQk9bPUlUNkFMPUlUP0pVN0FKJi00Mz5HPkpWAAAAGhoaGhoaMjIyPj4+AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGxsbBwgJNT5IJy82KC83KzI6HSEmFBgcJCowN0FLLDQ8Jy82KjI6MTtEKjM7KDA4Mz5IMDpDND5IQUxYPEZRMjtEMTtEPkpWQExZLzhBND5JR1RiQU1ZPklUQ05aO0VOLzc/MjxFPUlVRFFfP0tXOkVQQU5aS1lmSlZjUV9uTFlmS1lmOkVPRFBcSVZjR1RhPUdSQ1BcRFBdRVNgSVhmUmJyTlxrWGh4RFBcGR4jAAAAAQEBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADA4QO0VPOEJMMTpCNT5HN0BJQEpURlJdRVFdND1HPkhUN0FLMTtELDU9N0FLQExYSFViR1NfTltpVWNyAAAAGhoaGhoaMjIyPj4+AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAHyUrKzM7MTlDIykwJy0zKC41RVBbRlNfRVFeOkRQO0dSOkVRQExZO0dTLTY+LTY/OEFMQU1YRFFeOEJMNT9JMDlBLTU9LzhAOENOPUhUOUNONT5IOURNOkRNLTQ7OEFKLzc/IiguKjI6KC82LjdAR1ViT11rTFlmSlhlSVdkR1RiP0tXUF9tQk5aNDxGMjtEQk5aOkVQRVJfQk5aTFppT15tT15rR1NfMjtFAwQFAgICAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADw8PAQEBDA4RMDc+MThAJSwyLDM6OkNNPERNTVllS1djPklTN0FKRlNgRVNgO0ZSPklVRVJgRVNgRVFeTFpoV2Z2YHCBAAAAGhoaGhoaMjIyPj4+AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQEBBQYHMjtFLTU9MztDLDM6LDM6PUZQQ05aRVJeSlhlS1pnSllnQ1FfR1VjSVdmQExZSVhlSFZkO0VQOURPOEJMOURON0JMN0FLPUhTMjpDLjY9IicuMDhAOEFLNj9INj9HND1FRlFdPEZQPklTQUxXPEZQNT5HRVFdQExXOUNOQk9cSFVjTFtpSlhmN0JMLDQ8QExXS1hmTl1qRFBdQEtXNkBJRFBbTFlmS1djLTU8AwQEDw8PAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAALS0tAQEBJCovOEFJO0NNLjU8KC82MjtDNDtDOEBINz9IO0RNSFVhTVtpS1lnSVdlSFZkRVNhS1poQE1ZSVdlUF9uWGh4WGd3AAAAGhoaGhoaMjIyPj4+AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEhYYOEJLLTU+LDI5P0lSVmRyWmp5W2t6R1RgS1lmU2RzTV1sRFFeSlloUWFxUmJyT15tSFViSlhlQE1ZOkVQND5IPklVPUlUN0FLMzxESFVhSFRgSldkQUxYQU1ZR1NfNT5HPEZQQUxYMTlCPEZRQExXQEtVPUdSOUJNPUhTP0tXR1VjQ1FeQ1BdLjhBMTtESVZjT15sVGRzVWR0R1RgMDhBRFFdS1hkRE5ZJSsyExYZAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMDc+UFxoO0VOP0pWMjpDMDhAOEFKNz9IMjpBNj5GJy0zOUJMSVZiTFlnS1hmR1VjRVJfSFVjQk5bT15tVWV0U2JxWmp5AAAAGhoaGhoaMjIyPj4+AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEhISAwMDAQEBKjI4Qk1YMTlBSFRfVmVzU2FvWGd2Y3SFZ3eITltpSFdjUmJxR1VjSllnSFZjRlNgTFpnVWRzU2FvQk1ZPUhTPklURFFdSVViQ05aSFRgTltpS1hlRFFeOURPOEROP0pWPkpWMDlCJSsyLDQ8MTtEOkRPO0ZRRFFdOkVPMz5GLjhAND5IOURPNkBKJSwzMDlBNkBKTVtoVmV1WGd3T11rRFBcOkRORE9aOUJLGB0gEBIVExMTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAALCwsAwQET1tnSFRgPEdSNj5IKDA3MjpCKjE3MzxDOUJMLTU9LDM7LDM6RlJeRVBcQ09aN0BJOkRORVFeT11rUV9tUF5tW2t7VWNxAAAAGhoaGhoaMjIyPj4+AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABwcHAQEBBAUFHiImNz9IN0BJICUqTlpnWWd2VGJxU2JwWmp6aXuMX3CAWGh2UF9uPklUSldlVWV0V2d2W2x8XW19VGNxSVVhPklTRVFdUF5rZ3eHWml4TlpnT11qRlNgP0tXPkpVPUhUOENOOUVQQlBcND5HKC82IykvLTU9Lzc/O0ZRO0VPJCoxKDA3KTE4LTY+MDlBJS00LjY+NkBJO0RPQk1YVmVzUmBuRlJdNT5HQ09aFRodDg8SCQsMGBgYAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQEBBAQEAgICGyAlTVlmRlJeQU1ZIyoxKjM7LzhALTQ7LDM6NT9IJy41LTU9UmBvTFlmSVZjVWRzRFBbP0pUNj9HQUxXTlxpVGJwYnOETFhlAAAAGhoaGhoaMjIyPj4+AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGBseR1FbP0hSMztDJywyMzpBT1tnVGFvWml4Wmp5WWl6Wmp6ZHSFbH2OWmh3U2JwX3B/XW19YHGBZniIX25/V2VzW2l3aXmJZHSEY3SEY3KCXW18Xm18TltoRlJeSFViSFVjSVdlO0dSRFJgQU5aQ1BcPUlUKC82FhodHCAlPkhSRlJeO0VQMTlCKC83LjY+PkpVOEFMNkBKPEZRLjU9OkNNSFRgUV5rTFhkQk1ZKzM6AAAAAAAACAgIAQEBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEBAQAQICHiMnRVBbUF1rQk5aQU5bLjhBMDpEKDA3KzM6MDhBLDQ9HyUrR1RgT11qRFBcOkROPklTPkhSOUNNSFNfNDxESFJdV2RyWml3SVVhAAAAGhoaGhoaMjIyPj4+AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMjlAS1VgO0RNLDM6MTg/V2NwXWx6YG5+XGt6YXKCXGx8VmV0Y3SEZ3iJZHODZ3eIboCSZHWFaHmLaHmKXm18YXB/Z3aHYW9+Wml3XW18YXCAW2p6XGx7WGZ0Wmh2T1xqUF5tTFpoS1lnRlRhT15tQ1BcQ09aP0pUKTA2KS82S1hkQEtWPkpUQEtXRVFdRVFdQExYMTpDJi00NT5IND1GP0pVSFRfV2VzU2BtQUxXFRkcCgwOAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAKSkpAwMELTQ8LjY+Qk1YVGNyR1ViOEJNKzU9NDxHLTQ8Jy82KjE6HCEmPkhSSVVhQU1YQEtXR1RhNkBLQEtWP0pUSVRgVWJvRE5YR1FcSFNePkdRAAAAGhoaGhoaMjIyPj4+AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAQEAAAAMTg/RlFbNz9HLTQ6RE1XW2h2XGl3W2p4W2p4YnKBX29/WGd1T1xoXmx7YXB+YXB/YnGBVmRxY3OCZnWFZ3eHb3+QbH2OZXWFYXGBX25+ZXaGZ3eHX259Xm18ZnaFVGFuT1xpTltpS1llRlJfSVZiOEFKNj9INj5HLDI5JSovOkNNPEZQO0ZQRFBcPklUS1hlSVVhPUdRJi00OEFLNkBKRVFdUF1rUV5qMjpCLzc/JCowERQXAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA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KSlRfPkdRMDlBLTU9MjxGJCsxKjI6Qk5aQU1YV2d2VWV0UGBuT15tTl1rV2h4Vmd3VmV1XWx8X29/YnODZHWFZXWGZneGYW99Ym99YnF/aHiJZneIY3OEcoOVX3GCAAAAGhoaGhoaMjIyPj4+AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABwcHAwMEDxEUICUrKC41Nj9IOUFKVWNwPUlTIiguFBcbGR4jLTU9PUhSLjc+JSwyGyEmKjI6MjtDPEROQElST1tmWGRwRU5YVWBsXGh0VmFsTVZgWmVyY3B+XGh1QUpUISctIykvSFViQEtWQEtVVWNxYnKBXmx7YG57XWp4b3+PYnF/XGp4TFhlSVdjSVhlSFZkND5ILzlBBQYHAQEBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAwQERVFdOkVPPUlVMDpDLTQ6MTc/TFZhSVVgRlFdKTE4LjY/IikvJSsyMTlCQEpVVWRyU2FvT11rTl1rUF5tTl1rTlxqSldkV2Z1VmVzZHSEZXWGbX6QbX6OaXiIXWt6XWt6Ul9sVmRyWGZ0X25+VWR0AAAAGhoaGhoaMjIyPj4+AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADA8RICUqKzI6IykvKS82SVVgS1dkLTU+JSwzHyUrGyEmPklUMDlCLzc/LjU9P0pVMjpCNj5HTVdiW2ZyXGhzUlxmYGx4UFtlVF9qV2NvVmFtNz9GJiwxJSwyJCoxRVFeUmBvQUxWRVBbVGFuanqKaXiHVmFuVmJvXmt5V2RxWmh2WGZ1TlxpTFppQk9bNUBKHSInAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAKSkpAwMES1hkRlNgPkpWLTY/MzpCJywyJSowLjU8QEpTQEpVO0VPLzhAJCowMjpDTFhlY3ODXm5+Y3ODVWNzUmFvTlxqV2Z1UmBuVWNxXm19ZneHZneHZXWFXmx7Z3eHW2p4WGZ1R1NfQUtWS1dkQk1YQEpVAAAAGhoaGhoaMjIyPj4+AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQEBAAAADA4QICctJCsxJCovN0BISFRgP0pVMDlBICcsISguMjtFKzM7KDA3PEZRLjY+LzY+MjlBT1llbXqIcH6NZHF+WmZyRE5XJywyKS81KS81KS82NT5GMjtEPUhSR1NfR1RfQUtVTVllVGBtZHOBXWp4Ul5qUFtnS1ZhR1JeU2BtV2V0V2Z2TlxqQ09bOkROCAoLAgICAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADxETVGJwUWBuPkpVJy83LjY9OUBIGx8jIigtISYsMzxFWGZ0PUdRJSsyMTlCOEJMUV9sYnKCc4SVb4CRYXGBW2t6XWx7Xm19Xm18Z3eIZnaGZHWFUV5qQUtVTltoTVpnSFViNkBKMDlCJCsxISYsHCElAAAAGhoaGhoaMjIyPj4+AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAgICAAAADA8RJSsyLzhAJi0zLzY+SldkMzxFJSwzIikwJi41KDA4Ji42LDQ9KjI6IykuJSowYm98eIaXZ3WDS1ReNTtCNDtDFBcaEhUYLzc/LTQ8IyowIykvKzI5OEFKRlFcQ01WTllkTllkXWp3V2RwSVRfSlZhS1hjOkNNS1hlVmVzVWNyRlJeP0pVISYrAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAQFEBMVQElUV2d2RlJfLjdAKzM6T1tnNz9HJSwyHSIoDxIULzY+OEFKHyQpLTQ8JSwyLDM7RVFcYG9/a3yNYG9+Xm59X259YHB/ZnaFbn+RcoOVYXCAQ01XO0RORVFdQ09aLzhAICYsGR0iICUqFRkcGh4iAAAAGhoaGhoaMjIyPj4+AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAgICAwMDFhodJi41IikvICUrQEpUQk5aLDQ9LDU9IScuJi41KDA4ICctKjM7ICUrGx8kTlljYnB+Rk9ZJy0yJSswICUqDQ8SIiguO0VQN0FKGBwhHyMpKC41Nz9IQ0xVTFZhTFdhR1BaQUtUPkhSQ05ZQEpVQ09aP0lVTFpoTVtpT11sOkROIikvBwgKCwsLAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQEBERQXMTlBVGFuTFllOENNJCkwMDhAR1JdNj9IKC82HSIoCgsNHyQpLzY+KjI4HyQpHCAlLjY+Q09aXmx8Xm59XW18YXGCW2l4Xmx6fY+ga3qKTltnRVBcP0pVNj9JOEJMLDQ8JS0zLjY9ISctGR4iNDtEAAAAGhoaGhoaMjIyPj4+AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAgICAwQEFRkdJS00JSwzNkBJTVpoND5ILzhCIScuIScuICcsJi01Ji41MTtEKzE5UVxoTFhjMDc+EBIVDA0PFRodICUqMDhBND5HPklUNj5HNDxFQUtVSFJcW2d0V2RxTVhjPEVNQkxXPUdSS1lmQ1BcRlNgTFppR1VjTFtqSVdlO0VQHiMoAQEBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADAwMBQcHJSwyOkROQU1XQkxXLzhALDM7LjY9RFBcN0FKLTY+ERMXISYsTVlmOkNMOEFLJSwyMztEQUxWT11rUV9uS1hlTVlnSVViPkhTVWNwQ01XUFxpUmBtR1NfND5HLTU9Ji00NkBJTlxpRE9aKjE3ND1GAAAAGhoaGhoaMjIyPj4+AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQEBAwMEGR4jICYsTltpS1lnQ1BcOURPKTE5JSw0LDQ8JSwyKjM7Mz1GP0lUWGZ0Q09aOEFLKC82DxIUExcaICctN0BKP0lVRVFdRlJdVGFuTVlkWWZzV2RxSFNePkhRNj5GOkNOQUxYVmZ2UGBvRlRhTVxrTFtqTl5tSVhmOkVQHCAlAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEBDxIVLzc/PkhSOkRONkBKMjtFJCoxJSwyOENNMDlCICYsFBcbHSInNj5HNkBJJSowJi0zOkRNSFViRlNhNkBKLzdAQU1ZND1GO0ZPMTlBR1JdUmBtTFlmND1GMjtEO0VQVGJwWml3VGFtSVVgLzY+AAAAGhoaGhoaMjIyPj4+AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACw0PHCEnOUNNQExXNkBJPkpVNkBLJSwzNkFLMjxGND1HKzM7OUNNSVZjTVtpO0ZRLTU9KTE5KC82KC82ND1GN0FKU2FvWGZ0WGVzVGFvVWJwOkNNMzxDKzE5KS83O0VQOUJNPEdSP0xYP0tYSllnRlRiSlloPUlUNkBJIictAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQEBAgICHiMoMTlCQExXOkRPQExYJSw0FxsfP0tWND5HKzI6FhsfFRgcFBcbMjpDJi00HiQpICYsLjc/QExXNkFKKC83MDpCLDQ8NT5HPUdRTVhlTltnWGZ1RlJeSVZjQ05ZVWNwYG59WWZzQEpTMztDAAAAGhoaGhoaMjIyPj4+AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACw0PLDQ8MzxGND5HPEhTOUROKzM7PUdSQUxYOUNNMTpDQEtWRVFcQ1BbQ1BcND5IPEhTOUROMTtDOUJMRlJdXGp5Xm17X218W2p4R1RfNj9JJi00Jy00KC82QExZND9JOURPPUlUQE1aOkVQOENOTV1rPklVIScsDhATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEBMVKzM8MTlDOUNORlNgMDlCICcsKC82PUlVKjI5HSMoHCEmFxsgGB0iICYsFRkdGyAkJCsxKS83MjxFLzhBLDU9KTE5LjY+MjtDPkhSS1dkS1ZjTVhlS1ZhSlVgUFxnZ3aEXGh1S1ZhNT1FAAAAGhoaGhoaMjIyPj4+AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAgICAQEBLjU+Mz1GHyUrKDA3ND5JQU5aRFBcUV5sTVpnP0pVVGJvU2FvS1hmUF9uVWR0Tl1rV2d2Tl1qPUdRS1diSlZhU2BtVmRyVmVzQk9aMjtEJSwzKjI6HiMpMTlCMDlCN0JNNT9JP0tXPEdTLDU9MzxFLzc+ISYsBgcJAAAAAAAAAAAAAAAAAAA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AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAwMDAQEBAwQEHiInMjpCRlFcNkBJJSwyJy41Ji0zMTlCTlxpVGNxUV9tVmRyWml3YXCAU2BtKS81GyEmKC82EhYZBAUGAQEBLCwsAQEBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACwsLBAUGIikwICYsERQXGh4jLTQ7NDtDW2l3SFNfQk5ZQUxYSVRhTVpnSFRgPEVOOkJLPkhRRE9ZSlZiNDxEPUdSMzxGLDQ9NkFLOURPPklVW2x9ZHaHaHqLZXWGY3OCVWJwXWx7X218cICSY3KCZHSEZHSEZXaHZ3iIYHB/Xm18Xm19X29+YHB/ZHWGTVpnKC82KTA3MztEOkNNRE9aHyQqFhofAAAAGxsbGxsbNDQ0Pz8/AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABQUFAQEBCgsNKzI5KC41KjE4KjE4Lzc/KzI6JSwyRFBbR1NgWml5XGx8Wml5WGd2WGZ1WWh3VGFvND1FExYZEBQWERQYICUrGBwgCwwPAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAgIDFxsfLTU9HiMoGh8jPEVOUl9sNT1GQUtVOUNNN0FLQ1BcRVFeRVFdPUdRNz9HOkJKRlBbR1NfTVpnQU5aSlhmPktXPUlWP0tYPUpWQ1BdWGl6ZXiKbYCSbX+RanuMaHiIYnB+YnB+anqKa3yNZ3iJbX+QYXKCXWx7VWNxXm19XGx7XGx7ZHWFbX6PX29+OkROHSEnHSInMTpBQEpUPkhRDhATAAAAGxsbGxsbNDQ0Pz8/AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAwMDAAAAFhoeJiwyLzY+Jy00OUNMPEZQPEdRQk5ZPklURlJeUF5rWWl5WGd3UmFwVmZ2UWBvRFFdVmVzQUxXIiguGyAlGh4jFRgdICcsFRkcCw0PBAUGAAAAJycnAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFxseGx8kMDg/JSsxKzI4WGZ0SVViOkNONkBJQUxXR1RhSFVjR1VhS1hlSlZiSFJdNz9HQ05ZUl9tXm9/XnCAU2NzTVxrUmNzVGV1TFtpS1ppXnGDdIaabH+RcYOVaHmJZHOCXmx5ZnWDZ3eGZ3eIYnKDZHSFXGt7VGJwU2JxUV9tUmBvU2JwX29+coOUbn6PWml3MzxEJSsyKzI5IicsISYsDQ8RAAAAGxsbGxsbNDQ0Pz8/AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAExYaHyQpNT9IND1HKTE5N0FLN0FKMjxFQU1ZR1RgRVFdR1RhUWBvSlhmR1ViVGR0Tl1sTl1rTFpoQEtWMzxELzc/Ljc/MTpCOEJMLjc/HyUrGh4jFhoeBwkKAgIDAAAACwsLAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAQEBAQEAAAABAUGFRkcPEZQSFNeUV1qU2BuSVViOEJLOkNNPkhTTl1qT15sUF5tUF5sUl9sTFdiP0hRWmh2d4eYboGSaXyOZHeIXW+AXXCBWWx9Tl5tVmd4YHKFaHuNb4KUbX6QbH2NZ3aFZHKBdYaXanqLYXGBZHWFZHSFXm5+XGx8UmBvS1hmT11rS1hmT15sWGh3YXGCZXaHSldjMzxFLDQ8JSwyPEZPHCEmAAAAGxsbGxsbNDQ0Pz8/AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQEBCQsMKjE4N0FKR1RiS1tpND5JPUhUP0tXNT9JOEJNRFBcOUNOKjE5MTpEPElURFJfTFtqT15vUGBvRVJfO0VQNDxFOEJMPUdSNkBKQExYMjxGN0FLQExZPEdSNkBKJCsyGB4jAAEBFRUVBgYGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACQsMAgIDDxIUOEJLRVBcT1xpVmNxRVJdQUxXN0FKNj9JJy41QEtWSldkSlZjSlZjVmRyUF1pPUdQWWZzc4KScIGSa32PaXyPZnmLZXiKWWp7Tl1sWWl6XnCBY3SFaHqMY3ODbHyNaHeGa3uKcYKTanqLY3SEZHWEYnKDXm5+XW5+WWl6VmZ2V2d3TFpoTl5sUF5tUWBuVmRyUV9sNj5IJy00KTA3UV5rN0BJAAAAGxsbGxsbNDQ0Pz8/AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAKSkpExUYMjxFQUxYSlhnR1VkRFJgPkpWPEdSOENOND9IMjxFKDA3IiguLTY+QU5cR1ZkSVdmR1ZjUF9uRFFdKC82LzhAN0BKNT9IQE1ZRVRhND9IKzQ8NkBLPklVQ09bSlZjOUNOJi00ERUYAwQFMDAwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEBAQAQEBKC40FxoeO0VOPUhSOEJMUF1qTlpnRlJdND1FND1GNT5JJi01Nj9ISVZiS1lmQ05aSVZiTVpmRVBbUV1pZHSDbX6PaHqLZHWFY3WFYnOFYXKDXW5/Xm+AW2t7XW5+YXKCXWt6aHeGWmh2YnKAeIeYa3yOZXaGZHSEZXWGY3SEYnOEYXKEXG5/XG1+U2NyUWFwT15sVGRyVGNyP0lUMDhAKC82LjdAOkVPR1NfAAAAGxsbGxsbNDQ0Pz8/AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACgwOJSsyPEdTSVdlTl5tTFtrSFdmRlNhPUlVOURPOEJNPEdSMTlCIyowKDA3NkFLQE1ZRlNhSVdlSFZiKjE5GyAlNj9IO0ZRQk9bPEhUOEROQk9cPUlVMTpDKDA4RlJfUWBuS1hkMTpDLTU9KTE4AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADxIUICUqN0BJR1NeO0VPPUhTUmBvV2Z1S1djMjpDOEFKPEdSMTpEPEhTPUlTSFRgQEtWPklUMjtEPUhSLDM5QkxVTVllXWt6YHB/YXKDXm9/Y3SFZ3mKX29/Wml4V2V0ZXWGbHyNYW9+YnGBY3KCbX6PZ3eIZ3iIaXqKZnaHZneHYnOEZ3mLXW5/W2x9Vmd4WWl6WGl6Xm+AU2JxPUdSND1GISYtICYsLDU+N0FLAAAAGxsbGxsbNDQ0Pz8/AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQEBHR0dBgcIIScsMztFQ09bUWBwSVhmSVdlT19uSFVjT15tSVdlOkRPOUJNLDM7JiwzJSwzKzM6OEJMTVtoU2FvRE9bMDc/OkNMQEtWTVpoRlNgO0VQOkVQN0FLPEdSLTY/MDhBN0BJS1hkXGp5TFhkMztCQEtWIScsAgICKCgoAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAgIDQ8SMDlASFRfS1djQk5ZNkBKTFpoV2Z2VWRzSFRhMDlBMTpDJS0zOEJNMTtDKjI5ND5HR1NfQk5aQ05ZOEFKJCkvLDM6OkNMPEZQSFVgVGJwUF5rVmVzYnKCZHSEYG9+YXB/ZXSDY3KBZneHZXaGaXqLZ3iKZ3iJbH2OaXqLa3yNaXuMYXODV2d3WWp6Wmt7Xm+BWmt7XG1+VWRzQ09bQU5ZKC82MDlBLjY/KTA3AAAAGxsbGxsbNDQ0Pz8/AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACw4QOUNNTVtpSVZiTlxpUmFvTFpoSFViRFJePUhTT15sU2NzPUdSPklULDM5KzE5MDc+PEVPRVFdWmh3Wml4Ul9sS1ZiVmNxTVpnTVtoTlxpP0lUQk5aRFBdS1lmRlFdT11qRlFdT1xpVWNwHyUpLTQ7MDlAMzxEGR4iAQEBAQEBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAKCgoDhATNj9ISlZiSldjOkRPMDlBSFViVGRzVWV0UWBuPkhTLzhAJSwzLTU9Ljc/KTE4KzQ7LzY/P0lURE9aLjU9GR4hLjY+QU1YPklTR1RgTVxpRVFdRVFcUV5rWmd1YnGAZnWEcYCQbH2NcoSWgZOlcIKUboCSaHqLZ3iKaXqMaXmKc4SWXW18V2Z1X3CBYXOFYXOEVWV0Wmp5W2p6Qk9aSFRhOkRPPkpVOUNOKjI6AAAAGxsbGxsbNDQ0Pz8/AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQEBOTk5BAYGKTE4O0ZRQ09bT11rWml5V2V0S1dkOEBKRVFcPkhTRE9bPUhSQEpUPUZPPUVOQUtVQ01XSlZhV2VyWGVzX218Xmx6YG9+SVVgPkhSTlxpVmZ0XGx8XG18VmZ0TlxpSldjUV5sUFxpVWJvQ01YJCoxKjE4MDlBOkRNMzxFAwMEAwMDAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADQ0NEBQWN0BLVGNyUF9uTlxrQk5aQk5aQ1BcTVtpSVZjQ09bKTE4MTtEP0tXO0dSMjxFKTE4IiguPUhTOkROJSwzHiQpIiguP0pWRlNgSFZkQ1BcTFppTVpoT11rTFhjY3KBaXmKaHiIZ3eHbH6Qc4WXd4mcboCSdoiZaXqMa32NbX6QanuMbH2OZXaHaHqMa32PanqLVWNyWml4T1xpQ05ZS1hlMzxFRVJeP0tWMTpDAAAAGxsbGxsbNDQ0Pz8/AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABwcHAwMDDA8RKDA4LzlBQk5bSlhlTVtpU2FvV2RyT1xpQUxWSlVhS1djQ05ZRVFbPkhRRU5YS1ZhVmNvX2x6W2l2T1tmWGVzV2RyW2p5TVpmP0lTOkROPklUVmZ1VWV0XG19UmFvVGJwVWNyWmh2XGp4U19sND1FKjE5HyUrJSwzMTpCNT5HBgcIAQEBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADRASP0pUVGNyTlxqUWFxSVdlQ1BdPUhTQk5aOUNNMjtELzhARFFeSVhmQU5aQU5bQExYOUROQEtWQk5aN0JMMz1GIigvLTU+PEdSRFFdQ1FePkpWTFxqTlxrT1xqW2p4WGZ0XWx7ZneGaXqLYnKCZniIaXuMc4WWZnaGa3uNYnGBY3KCeImcc4WYa3yNZXWGX29+Xm59Wml4S1hjTVpmPUdRRlJfQU1ZOkRQNj9JAAAAGxsbGxsbNDQ0Pz8/AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAALCwsBAUGExYaGyAlHSMpMjxGR1VjSFVjSlhlT1xqXGl4VmNwTlpmVGBsVWFuUFxnW2d1WWZzSlNeTVdiTVdiS1VgQ01WRU9ZSVRgR1NfRlJeOkRON0FLMDlCKjI6OkZQP0pVTFpoTl1rUmBvYHCAXWt6U19sVGFvPUhSN0FLJi00IikwLDQ8OUJNAQICAgICAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAgICw4QMTpDPUdRSllnVGV1TFtqR1ViQk9cQE1ZN0FLOEJNPUhSTFtoTVxrR1RhRlNgO0ZRO0ZQOEFLQUxXPUdSNT9IMTpDJy41LjY/Qk9cOUNOOkZSQ1BdSVdlR1RhS1hkV2RyXm19XGt6ZHSFX259YXCAZXWGa32OcIGScoOUaHiHXmx6aXiIb4CRb3+QZHOCZnWFYXB/WGVzV2VySVRfN0BJTVpmOEJMMjtEOUROAAAAGxsbGxsbNDQ0Pz8/AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQEBEBMWGR4jExcbICctOENOTFtoRlNgSVZiUF5rXWp4YnGAaHaFWWZzVGBsX2x7Y3F/WWZzU19rRlFbQ0xWP0hRMztCKjA3JCowNT1GPUhTPEZQNj9JIyoxHyUqKDA3LDQ9NT9IRVJfQ09aUF5rRVBcS1hkVGJwSldkPEdSJCsyIyoxKjI5PEdSBwgKCAgIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABQUFAwUFIykwOkROUV9uT15sTVxrU2NzUmFxQU5aQk5aSlZkSldkQk5aOUNOSFViSVdkQ09bQ1BbR1RgOkNNPklTRlJeND1HN0BKMTlCOENNP0pWN0JNMz1HO0ZRRFFdR1NgU2BuW2p5XWx8YXCAXm19XGt5YnGBanqLaXqKZnWGZXWEXWx6UV1qWmd0ZHKAcYCRcoGSZXSCUV1oVmJvS1ZiVmRxVWNxSFRgQEtVPEZQAAAAGxsbGxsbNTU1Pz8/AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAOjo6DA4QERUYIikvICUsMTpDSVZjWGh3XGx8VWNxUl9sUl9sXGp4Z3aFWmd0ZXSCanmJaHiHVGFuS1ZiQkxWRVFcQk1YLTQ7JCowGBwgLDQ8O0VPLzdALjc+HSInEBMWExYZMTlCPUhUTVpoRlNfPklTND1HO0ZQTltpSldjRFBdLTY/HyYsJSwzQ09cFRgdAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAgICAgICDxIVOUJMTltqRlRhSlhnVGR0VWV2RlNgVmZ1VGNzTVpoR1NgQ05aSldkTVtoUF5sS1hlUF5tRlJfND1GOEFKP0pUQ09bSlZjNj9IR1NfQk9bPEdTQU1ZS1lmS1hlTFhlUF1qZXWFYnGBYHB/ZHODZ3aGWmh3WGZ1YXGAaXqMZ3iJX29+ZnaGX217aXiIX2x6R1FcRlFcS1ZhWGVyXGp5WGV0VGFuR1JeQEtVAAAAGxsbGxsbNTU1Pz8/AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEhISAAAABwgJHCAlKzE4MzxEOEJLRVFcTlxpVmV0U2FvTVlmTFhlV2Z0U2BuXGp4UFxpWWZ0Xmx7X25+SlZjPklTSFVhUV9tSFVhPUdSLTU9KzI6KzI6O0ZQJCoxEBMWGR0hExYZDQ8RHyUpOEFKTltoUV5rN0JMKjI6OENNPEdSPEZRLzhBOENOIyoxIigvND5HJCsxAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAwMDCQoLCgsNJy40OEJLRlNfRlRhUmFwT15sR1RhUWBvU2JxT11rTFlmU2FvSVVgTltoSFRgSldkSVZjQExYKjM7LzhAJi42KC81N0BJNDxEOEFKO0VQPkhTSVViSVZiTVtoQ05ZQEpWTltnRFBcQk5aPUdSS1djVGFvWGh2ZXeIZneIYXGCZneIbn+RYXCAZHODYnGBUF1qWml3X25+XWt6YG9+Xmx6Wmh1WGZ0SVVgAAAAGxsbGxsbNTU1Pz8/AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADg4OBAQFCw4PGx8kN0BJRlBbTVllVGJvSVRgSFRfTFllTVpnTlpnTVlmR1JeSFRgTFdjVWJwUF1qV2Z0VWNyT1xpPkdSSVZjQU1ZMTpCJSsyKzQ7MTlBKzM6JSowDQ8RExYYKjE3KC4zJiwxKC40S1ZhTlpmQUtWN0FLLTY+LTU+MTtFMDpDKzM6OUNON0JMJy82ND1GLzdAAAAAAQEBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQEBBggJHSInKTA3RVBcS1hlSFZjRFFeQ09bP0tWQEtXTlxqTltpUF5rSFNfP0hSUF1qUF5sRFFdRVJfRVJgQU5bRVNhMDlCMjtDNDxELzc+PUdRMzxFKTE4JiwzNT5GMzxFOUNOP0tWRVJfOkVPPUhTQUxXUmBuW2t7XW19Wmp6WWl5Wmp5WWh3Wml3ZnaGaXqLWml5WWh3YnKCXGp5XGp4Wmh2WWd0VGBtS1ZhAAAAGxsbGxsbNTU1Pz8/AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACwsLAAAAIyguOEFKN0BJSlZiT1toRVBaPkhRO0NNNz9JND1FSFRgQEtWSFRhSFVhOUNMQ05ZSldjR1NfSlZjS1llS1hlQUxYPEdSKC82GyAlNDxEPERNPERMQktUR1FbMjlALDI4QEhRPkVOQ0pUWmdzZ3WDTlhjIScsLzhBLDU+JCsxKC83KzM8IigvP0tXOkZQND5IND1HIicuAQICAQEBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEhUYKS81PkdRT11rU2JyTlxrTFtqTFtqSFVjTFpoRVNgRVFdR1NfRE5ZQkxWXW18VWV0U2NyTVtqTVxrTVxrRlRiN0JMMTpDNT5HRVFcPEZQOEJMO0ZRMjtFNkBKMDhBOURONT5HNkFLOENOO0ZRRVJfT11rUWBuSlhlSlhlTFlnSldlPEdRT11rZHSEZXaHW2x8WGd3YnODXGt6X258Xmx7YG58S1VgNz9HAAAAGxsbGxsbNTU1Pz8/AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAQEAQEBISYsOEJMMzxFO0VQO0VPO0VPNj9HJCovLDQ6IScsLTU8R1RgQUxXUV9sPUdRN0BJLDI6KzI6N0BKN0BJQ05aNT1HJCowLjU9ICYrMjlBXGl2aXaEZ3SCYW57WGNvVWBrSFFbWWRwYGx5aXaEd4WVdoWVSlReHCEmISctJCwzJS00HyYrIScuJCwzOkVQPEdSQ09bPkpVICYsBAUGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAgICFxseJSswLDM6TFlmWWl5VWV0TFtqTl5tRlNhRVJgR1RhSVdkT11qRE9aNT1ET1xpUmBuWWl5VmZ2RVNgTVxrSVhnR1VjQk9cQk1ZSVViQEpVQU1ZRlNgPUhUND5IMTpELjc/MTpDMjxFNkFLOEJMOkRPSFRhSlhmUmJyUWFwTVxrRlRhTFtpUWFwUV9tXm5+aHqLWGh3V2V0WWl4VGJvVWJvUl5qMjlALTQ6AAAAGxsbGxsbNTU1Pz8/AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAQEAAAAEhUZJCsxJy83OURPOURPPkhSQEtVPkdRJCkvNDxELjU9JCowLDI6MDc/Lzc/MTlBISYsGBwhDQ8RDhEUJiwzO0VPKC82QUxWQUtWLjU7R1FbZ3SDUFtlR1BZP0ZPUVtmV2NuXGh1Xml2U11oYW15aHWBW2dzNTxEJy40JCoxLjdAJCwzJS01IikvIikwMDlDP0tWSldlTFlmHiQqERQWAAABAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABAQEAAAAIigtLjY+RE9bWmp6VmZ2UF9uS1ppRFJgRlRiRVNgSldlUF5tUF1rPUdQMjtDLjU9P0lUP0pWPUhTS1lnTl1rS1poRVJfQ09bPklTSFVhS1lnT15tO0ZSOERORFFePktXMDpDMTpDN0BKQk9bQEtXQk5aSFZkRlRhSFZlS1tqRlRiSlhnUWBvSldlU2FwaXqMWmp6VWVzUF1rWml4RE5ZJywyJy0zMDhAAAAAGxsbGxsbNTU1Pz8/AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQEBAAAAFRkeJCoxFhsfJCsyPEdSQU1YT1xpUV5sS1ZiS1ZjSVRfSFRfP0hSNTxENj5HNj9HHiMoGR0hICUqFxsfHCAlMTlANj5HKC82KzE4NDtDSVRfXWp3XGh1QElRLDI4Ki80QktUP0hRSlVfRU5YSFFbWWVxXWl1SlReLzY+MjpBKzI5QExYJCsyJi01KTE5Ji01IiowO0ZRT11rJy82HiQqGyAlAQEBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGBgYAwMDJCowOEJLQExXTVtpTVtqSVdmRlRhSllnR1ViTFppU2JxUV9sRVFcSVVhRlNfS1lmSlhmP0pVRVFeQ09bSVZjT11rTlxpQUtVRlJdSVZjR1RhQU5aQU5bQU5bOENOMTpDNT5JOkNOQk1ZPEdSMz1GLTY+MTtEQlBdRFJfQE1aTFtqT19tUF9uQExXXGx8Wmp5Wml5UmBuWWd1PUZQKS82Nz9IOUJLAAAAGxsbGxsbNTU1Pz8/AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGBgYDQ8SICYsGyAlISgvJy41O0VPLTU8PkhSSlZjOEFLLjY+Nj9JQUtWQEpURVBbPkhRPkhSQk1YQEpULTQ8MDhALjU8ISgtNDxEOkNNOkROMTlBRU9ZXGh1ZHKARU9YNz5GNTxEPkdQP0lTP0dRQElTRU9ZQ01XQ01WQEhSNDxENkBJPUdRN0BKKC83LDQ9KTE5IikvJi01OUNNRlJeIiguICctHyUrAgICCQkJAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQEBAwMDAQEBISYrNj9ISFViUF5tUWFwS1loTFtqUGBvUF5uUmFvTVpnQ09aTlxqS1lmU2NyT19uRFBeSFVjTFlnSldjRlJeSFRgQ01YPkdRSldkQU1ZRlNgRlRhSVdlQk5bPEdSNT5HLTU9ND5HKDA4LjhBNT9KJS00MDtDN0JNOENPP0xYQU5aSVZkRlNfQU1YTltoUV9sQ01YMTlBNDxEQUxXNj9HDg8SAAAAGxsbGxsbNTU1Pz8/AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAKysrCAkLHSIoGR8jHyYsJCoxJSsyKzM6FBcbJCsxMzxFLjY+KjI6GR4iICYtKC41MzxEO0VPNDxFLDM7HyMpHiMoICYsJCsxISctGBwhHSMoJSsxQUtWTlplXWt5YG59UF1pSlVhQkxXSVVgRVBbQk1XOkNMKS82KjA3MjpBOUJKSlZhKjE5JSwzJCsxLTU9NT9JMTpDICYsJi00MjxFSVZiJCowJSsyJi41EhYZEhISAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGh4jKTA2SVZjUmBuUF5sU2JyVWV0T11rVmV0RlFdSlZiTlxqUmFwTVtpRFJeQU1ZUF9uVWV0TFpnRVBbS1diS1ZhQEpUUF1qUV5rUF5sVGNyVGR0RlRhOEJMLTU9HyQqICYrHCEnKTE5LTc/LTY/Mz5HMDpCKDA4LTY+N0FLQEtWSFRgR1NeLTQ8JSsyLDI6MTlALzc/N0FKGB0gAAAAAAAAGxsbGxsbNTU1Pz8/AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA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BKjI6S1dkS1hlSlhlOUNOPUdSTVtpVGNyVGNyRVJeNT9IJy82KjM7MDpCKjI5KDA3Nj9IQ05aRlJeS1djIyguLDI5NT1FQUxWTFhkWml4YXGBYHGBZHWFWml4W2l5YG9+ZXSEZnWFX218X259Z3iHbn+QaXuLZHWFZHWEY3SEZHWFYnOFX3CBXG5/VWV1T19uUF9uRlRhVmZ0UV5rSFNfLzc/JCowND1GU2BtISctFBgcKjE5QEtVPUdQJSsxMzxFRVBcQ05ZKTE4BwgJDQ0NAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACAgIAwMDAQEBGR4iPEdRVGFwPkhTOkRNQ09aRFFdP0lURFFdSVViPEZQQEpVKzI5LTU9JCoxHSIoGh8kBAUGAAAADQ0NFBQUAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGxsbGxsbNTU1Pz8/AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAgICAAAAKzQ7UWBuWGh4UWFwSlhmQExYQExXT15sSldkS1hlNkBJKDA4ND5IOkVQLzdAJy41Jy42MjtDQUxXOUNMGh4iISYrQk1YPEZRN0BJR1NfR1NfRVBbV2ZzYnKBYnKBX218ZXWDYXB/ZHSEY3ODZ3iJbX6QZHWGeIiaaHmJZneHZ3iJY3SFZHeIXG1/WGl6Wmx9U2NyVWV0XGx8R1RgQk5ZKjE4Jy41LzhAS1llOkRNHyQqHyUqLDI5SFJdHyUqND1GQk5YTltoLzc/EBMXDg4OAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMDAwAAAABAQFIykvKC41UV5qVGFvTVlmNj9IND1GOEJMQEtXQk1ZKC82GB4iBwgKAgICAQEBFhYWDg4OAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGxsbGxsbNTU1Pz8/AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACQkJAwMEMDlCQUxXRlRgT19tTl5tQk9dQExYO0ZRRE9bNj9JJy82OkVPRlNhQlBcPkpWMDlCLjc/Nj9JQU1ZLzdAIykvHCEmOkRPRlNgTFpoUWBvTFpnT15rTFhlVGFuYG99ZHODaHeHc4KScYKUbn+Qbn+RboCSZniJZ3iJaHmJa3yNbH2OZHaGW2t8WWl6WGh5XW+AXG19Wmt7Xm+ARlJfRVBdJiwzHCEmLjc/LzhBQ09aN0BJIigtFxoeQ0tVIykuMDlCSVZjWGZ0NDxFExcaAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAANDQ0AAAAGBsfMztDUl9sMzxELjc/Ljc/MTtEMz1GND5ICQsMAAAADAwMAQEBAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGxsbGxsbNTU1Pz8/AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAwMDAgMEJSw0MTlCSllmU2NzTl5tTFtpR1RiRFFeNj9JOEFMNT9IRFBdT15tRlRiR1VjQE1ZPklUOkRPRFFdOkVQNj9JJy00KTA3PUhTQk9bRVNgSFVjSVZkUF5tTlxoXWt5aHiIa3yNZ3eHbH6Pd4mbc4SWdYiaa32OaXuMaXqMaHmKcYOUZnaHV2Z1Wmp7Xm+AYnSFW2t7WGh3X3CARFBcRFFdOEJMKC82MjxFKzI7Qk1YS1diOEFKHCElO0JLISguNkFMSFViW2t6KzE4EBMWDg4OAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAgICAAAAAQEBAAEBBAQFBAUGAgICAQICAQEBAQECLy8vAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGxsbGxsbNTU1Pz8/AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQEBFRkcND1FUV9uTFtqS1poUmJyU2NzRVJgQExXSVZjSVdjTFlnQk5bQk9cSlhlO0dSO0VQPEZRPUhSPkpUNkBJMDlCJy40LTY/Q1BdPUlUOENORlRiSldmTlxqVmRxW2p4W2p5ZXWFaHmKanuLanuMdoiaboCRcIGSaHmJa3yOa3yNa32OZXaHZ3iKaHuNanuNUV9uWGd2XGt7R1NgR1NgQExYPUdSOUROMzxGNT5HQ01YTFdiMDY9MzpCLjdAPkpWSFZjXGx8IScsCw0OAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQEBJCQkCAgIBQUFBQUFDg4OCgoKAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGxsbGxsbNTU1Pz8/AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQEBBwcIDA4QJSsyQk1ZQ09cSlhmVGR0VWV2R1RhVGRzVWRzS1hmRVJfPEdRTVtoSldkSVdkSldjTFlnOUNMO0ZPRVFdMjtEMjpELTU9OkVQPUlUOENOPkpWRlRhR1RhSFVhVGFuXWx8XWx7ZneIYHB/XWx8ZneIbX+QbHyNa3uLZHSEX259dYWXdIaYbH6PZneIaHmJXGx7WGd3UF5rQUxXSVViND1HRVJeQExXN0JMLTQ8OUNMP0dQKzA2IScsMz5IPEhURFFdSFVhAwMECAgIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGxsbGxsbNTU1Pz8/AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQICDQ8RKS82MjpCRVJeQ1BcT11sTVxqRlNgUWBvVWRzT15sSldkTlxpSlZiUF5sUF1rS1dkUF9tRVJfMzxFOkRNQEtWRVFdSFRgLzdARFBdPUlUNkFLO0dSQk9bSFViUV5sXGt6XWx8YHB/XWx8XWx7YXGBa3uMcoOVc4OUaHiHXmx6aHeGcYOTbn+PX259YnGAXm18XGp5UF1pT1xpO0RORFBcQk5aPUhUN0FLLjY+ND1FNj5GFxoeHCEmKDA4LTU+SldkIiguAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA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u+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTuAAAAHBwcHBwcHBwcQEBA+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTuAAAAHBwcHBwcHBwcQEBA+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTuAAAAHBwcHBwcHBwcQEBA+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTuAAAAHBwcHBwcHBwcQEBA+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTuAAAAHBwcHBwcHBwcQEBA+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTuAAAAHBwcHBwcHBwcQEBA+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTuAAAAHBwcHBwcHBwcQEBA+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTuAAAAHBwcHBwcHBwcQEBA+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+PPt+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTuAAAAHBwcHBwcHBwcQEBA+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTuhoOAAAAAAAAAAAAAIiEh+fTu+fTuRURCAAAAAAAAZ2RihoOA+fTuZ2Rio6Cc+fTu+fTuAAAA+fTu+fTuvru2RURC+fTu+fTuRURCAAAAAAAAAAAA2NPO+fTu+fTuhoOAIiEh+fTu+fTu+fTuZ2RiIiEh+fTu+fTu+fTuIiEh2NPO+fTuIiEh2NPO+fTu+fTuIiEh2NPO+fTuZ2RiAAAAAAAAhoOAAAAA+fTu+fTuo6CcAAAAAAAAAAAA2NPO+fTu+fTuvru2AAAA2NPO+fTuo6CcIiEh+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTuaWdlAgICAAAAAAAAAAAAAAAAAAAAAAAAAgICaWdl+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+PPtJCMhu7ex+fTu+fTu+fTu+fTu+fTu+fTuu7exIyIg+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTuAAAAHBwcHBwcHBwcQEBA+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu////////////////////////////////////////////////////////////////+fTu+fTu+fTu+fTu+fTu+fTu+fTuZ2RiIiEh+fTu+fTu+fTuZ2Rio6Cc2NPOIiEh+fTu+fTuIiEhhoOA+fTuZ2Rio6Cc+fTu+fTuAAAA+fTu+fTuvru2RURC+fTuhoOARURC+fTu+fTu+fTu+fTu+fTu+fTuRURCIiEh2NPO+fTu+fTuIiEhAAAA2NPO+fTu+fTuIiEh2NPO+fTuIiEh2NPO+fTu+fTuIiEh2NPOo6CcIiEh+fTu+fTuhoOAAAAA+fTuvru2AAAA+fTu+fTu2NPOAAAA+fTu+fTuhoOARURCo6C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u+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTuAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTuAAAA6eXf+fTu+fTu+fTu+fTu+fTu+fTu+fTuAAAA+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTuu7exGRgXGRgXu7ex+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTuAAAAHBwcHBwcHBwcQEBA+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu1salgIAAnIxr////taWMpZyEnIxrnIxrnIxrpZyEpZRrzsatraWEvbWl////////+fTu+fTu+fTu+fTu+fTu+fTuo6CcZ2Ri+fTu+fTu+fTu+fTu+fTu+fTu+fTuZ2RiAAAAAAAAAAAA+fTu+fTuZ2Rio6CcAAAAAAAAo6CchoOAAAAAAAAA2NPO+fTu+fTuZ2RiAAAAAAAAZ2Ri+fTu+fTuIiEh2NPO+fTuRURCvru2IiEh2NPO+fTuIiEh2NPO+fTuIiEh2NPO+fTuIiEho6CcAAAAAAAAhoOA+fTu+fTuo6CcAAAAAAAAhoOAAAAA+fTu+fTuo6CcAAAAAAAAAAAAvru2+fTuRURCvru2+fTu2NPOAAAA+fTu+fTuhoOAhoOA+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTuAAAA6eXf+fTu+fTu+fTu+fTu+fTu+fTu+fTuAAAA+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTuu7exGRgXGRgXu7ex+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTuAAAAHBwcHBwcHBwcQEBA+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu7+fWgIAAgIAAta2Uxr2l9/f3////9/f3///39/f3pZRrpZRrxr2txr2t////////+fTu+fTu+fTu+fTu+fTu+fTu+fTuAAAA+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu2NPOIiEh+fTu+fTuo6CcZ2RiIiEh+fTu+fTuZ2Rio6Cc+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTuAAAA+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTuAAAA6eXf+fTu+fTu+fTu+fTu+fTu+fTu+fTuAAAA+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTuu7exGRgXu7exu7exGRgXu7ex+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTuAAAAHBwcHBwcHBwcQEBA+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu////3ta9nIxrnIxrvbWl5+fe7+/v7+/v5+fezsat1tbG///3////////////////+fTu+fTu+fTu+fTu+fTu+fTu+fTuo6CcAAAA+fTu+fTu+fTuo6Ccvru2+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTuo6CcZ2Ri+fTu+fTu2NPOAAAAZ2Ri+fTu+fTuo6CcZ2Ri+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTuAAAA+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTuAAAA6eXf+fTu+fTu+fTu+fTu+fTu+fTu+fTuAAAA+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTuu7exGRgXu7ex+fTu+fTuu7exGRgXu7ex+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTuAAAAHBwcHBwcHBwcQEBA+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu////////9/f31saltaVzpZRrpZRrrZxzxrWU9+/n////////////////////////+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu2NPOAAAAAAAAAAAAAAAA2NPO+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTuRURCo6Cc+fTu+fTu+fTuIiEho6Cc+fTu+fTu2NPOAAAA+fTuAAAAo6Cc+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTuAAAA+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTuAgICz8vG6eXf6eXf6eXf6eXf6eXf6eXf1tLMAgIC+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTuu7exGRgXu7ex+fTu+fTu+fTu+fTuu7exGRgXu7ex+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTuAAAAHBwcHBwcHBwcQEBA+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu////////////////////////////////////////////////////////////////+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTuaWdlAgICAAAAAAAAAAAAAAAAAAAAAAAAAgICaWdl+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTuIyIgu7ex+fTu+fTu+fTu+fTu+fTu+fTuu7exJCMh+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTuAAAAHR0dHBwcHBwcQEBA+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTuAAAAHR0dHBwcHBwcQEBA+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTuAAAAHR0dHR0dHBwcPT095eHb+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTuAAAAHR0dHR0dHR0dNTU1wb65+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTuAAAAHR0dHR0dHR0dLy8vnJmW+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTuAAAAHR0dHR0dHR0dIiIiQ0ND3trU+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu3tnUAAAAHR0dHR0dHR0dHR0dLCwsdnVz+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTudnVzAAAAHR0dHR0dHR0dHR0dHR0dMzMzdnVz3trU+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu+fTu3trUdnVzNjY2AAAA)

Then after you type your name and press the key 1. The high score table to appear on the screen.

A picture containing text

Description automatically generated

# Part III

Implement either:

a) A demo mode, or

b) An alien spaceship