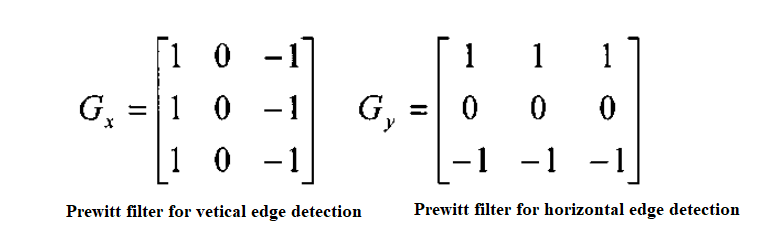
DATE HERE - info, figures, whatever afterwards, DATE EVERYTHING

DO NOT USE IMAGES DEPENDENT ON QUALITY FROM THIS DOCUMENT, WORD COMPRESSES HEAVILY

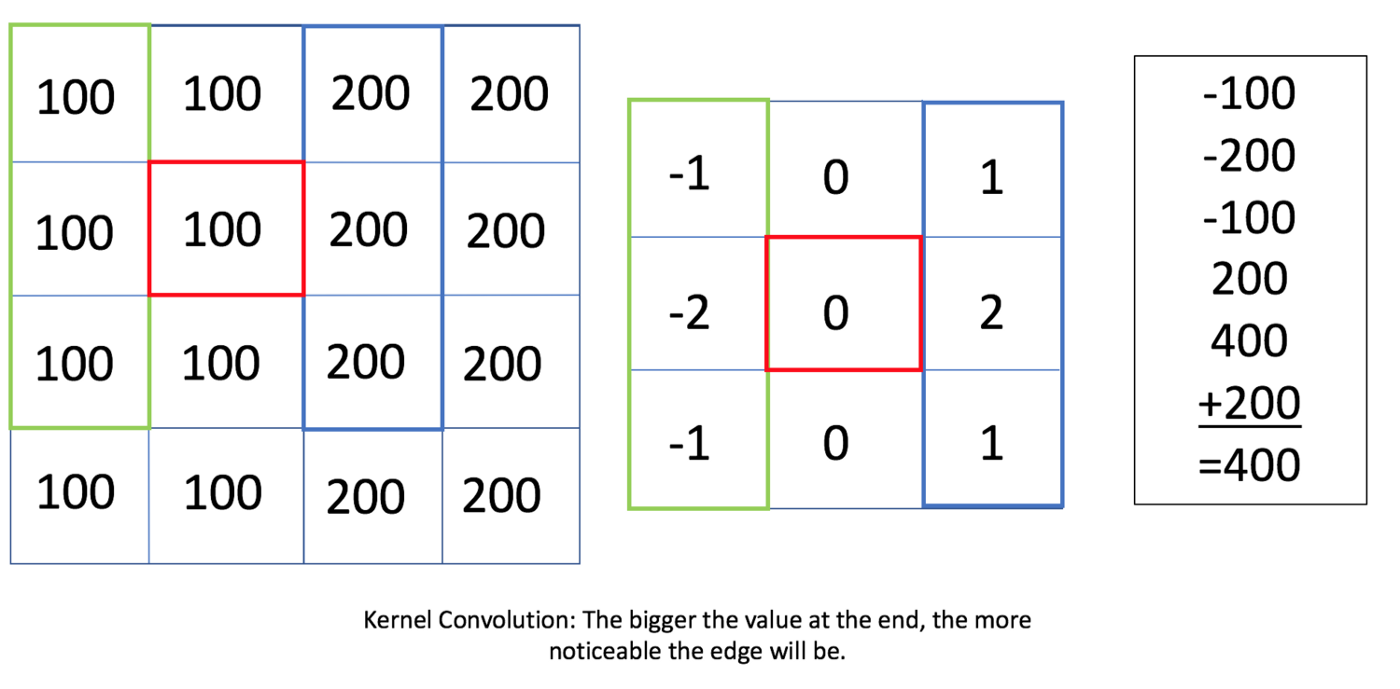
09/10/2022 – Image detection literature study

<https://www.mygreatlearning.com/blog/introduction-to-edge-detection/>

Edge detection described as: “a technique of image processing used to identify points in a digital image with discontinuities, simply to say, sharp changes in the image brightness”

There are several methods, all involving applying a filter matrix to the image at all possible points.

For all given pixels that the matrix will fit for, apply these coefficients for a given pixel, then sum the values and take this as the new value to be later normalized for the image:



This method results in the output being shrunk in dimensions, for an n\*n image and a r\*r filter the output image will be ( (n-r)+1)\*( (n-r)+1).

Canny edge detection is the most common. The process involves:

* Convert the image to grayscale
* Reduce noise – as the edge detection that using derivatives is sensitive to noise, we reduce it.
* Calculate the gradient – helps identify the edge intensity and direction.
* Non-maximum suppression – to thin the edges of the image.
* Double threshold –  to identify the strong, weak and irrelevant pixels in the images.
* Hysteresis edge tracking – helps convert the weak pixels into strong ones only if they have a strong pixel around them.

Attempt to implement a Sobel filter in MATLAB:

<https://www.geeksforgeeks.org/matlab-image-edge-detection-using-sobel-operator-from-scratch/>

**Advantages:**

1. Simple and time efficient computation *(for small images, cannot go above 720p at least for Arduino)*
2. Very easy at searching for smooth edges *(good for searching for edges of license plates)*

**Limitations:**

1. Diagonal direction points are not preserved always
2. Sensitive to noise
3. Not very accurate in edge detection
4. Detect with thick and rough edges does not give appropriate results

Overall quality detection if the threshold values are set correctly:



Main concern here is the potential overhead and memory requirements needed for this level of image processing, alongside all the extra processing surrounding finding the bounding box of the plate.

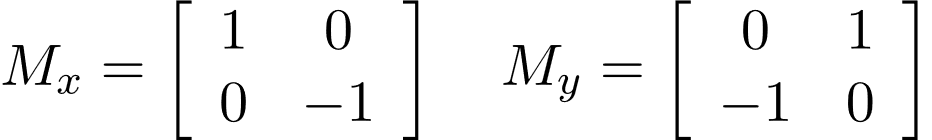
10/10/2022 – Attempts at bounding edged image

Attempted to use code found online to create bounding boxes for the edge filtered image

<https://uk.mathworks.com/matlabcentral/answers/35243-detecting-rectangle-shape-in-an-image>

Not great, will need some tinkering with algorithm to detect correct bounding box.

Need to think of extra info that could help detect corners of plate. The corners themselves seem fairly distinct, perhaps a similar filter to the edge detection could be used to find the corners of the plate. A filter for this use may have been found by using the **Robert Operator**.



This could be utilized to filter out diagonal edges, which the licence plate has at its corners, take the highest intensity spots and use these to find the approximate location for the edges of the licence plate.

12/10/2022 – Checking image processing requirements

Looking at an image size calculator, the stated value of a 1280x720p image in 8bit monochrome would be around 0.85MB which is significantly more than most microcontroller SRAM.

<https://toolstud.io/photo/filesize.php?imagewidth=1280&imageheight=720>

Given that working with the actual pixels of the image itself will be necessary, it doesn’t seem feasible to save the image in a compressed format (unless some Realtime decompression can be performed). The image could potentially be streamed from the onboard storage if necessary, taking the data and reducing it to a very low-level form (4bit mono-chrome) for processing. Although the maximum level of SRAM I have found on an affordable board is 256KB of SRAM. I could find an external module to assist in storing images, but I am uncertain, even 4 bits per pixel on 480p leaves very little room for processing. I should probably work on getting the system working at a higher level before attempting to design anything though.

12/10/2022 – diagonal edge detection



The Robert filter doesn’t work well. I might need to design my own filter to get the corners I want or find another method.

15/10/2022 – Background reading

Some of the methods that *‘Computer vision for security applications’* talks about is the motion detection aspect. In early systems there where a large amount of false positives due to the system being unable to differ between camera shake and actual motion, along with rain and sunlight changes. The methods used to combat this were using low pass filtering to counter rain and a high pass filter to remove sunlight gradient effects and to make the image appear flatter. These filters could be used to get a range of motion frequency for a range of vehicle speeds to clean up the wake-up detection image.

*‘An Automated Vehicle License Plate Recognition System’* uses a method of weighting the pixels of a RGB image differently to produce different styles of greyscale conversion. Looking at the MATLAB documentation for im2grey it also appears to use a weighted conversion to greyscale.

15/10/2022 – new idea for detecting bounds

The standard for the UK licence plate is such that, for any given plate, there will be 7 letters enclosed within a bounded box. An idea could be to find all areas that are bounded, such as with the code seen earlier in doc, and try to find a bounded area containing 7 bounded areas within it.

16/10/2022 – testing above idea

Tried to use far and angled image for testing a worse case scenario.

![A person holding a sign

Description automatically generated with medium confidence](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAYABgAAD/4TDKRXhpZgAATU0AKgAAAAgABAExAAIAAAALAAAQSodpAAQAAAABAAAQVoglAAQAAAABAAAgouocAAcAABAMAAAAPgAAAAAc6gAAABAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAV2luZG93cyAxMAAAAAOQAwACAAAAFAAAIIySkQACAAAABDUyOQDqHAAHAAAQDAAAEIAAAAAAHOoAAAAQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADIwMjI6MTA6MTYgMjI6NDg6MjMAAAAAAeocAAcAABAMAAAgtAAAAAAc6gAAABAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAD/2wBDAAMCAgMCAgMDAwMEAwMEBQgFBQQEBQoHBwYIDAoMDAsKCwsNDhIQDQ4RDgsLEBYQERMUFRUVDA8XGBYUGBIUFRT/2wBDAQMEBAUEBQkFBQkUDQsNFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBT/wAARCAQ4B4ADASIAAhEBAxEB/8QAHwAAAQUBAQEBAQEAAAAAAAAAAAECAwQFBgcICQoL/8QAtRAAAgEDAwIEAwUFBAQAAAF9AQIDAAQRBRIhMUEGE1FhByJxFDKBkaEII0KxwRVS0fAkM2JyggkKFhcYGRolJicoKSo0NTY3ODk6Q0RFRkdISUpTVFVWV1hZWmNkZWZnaGlqc3R1dnd4eXqDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uHi4+Tl5ufo6erx8vP09fb3+Pn6/8QAHwEAAwEBAQEBAQEBAQAAAAAAAAECAwQFBgcICQoL/8QAtREAAgECBAQDBAcFBAQAAQJ3AAECAxEEBSExBhJBUQdhcRMiMoEIFEKRobHBCSMzUvAVYnLRChYkNOEl8RcYGRomJygpKjU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6goOEhYaHiImKkpOUlZaXmJmaoqOkpaanqKmqsrO0tba3uLm6wsPExcbHyMnK0tPU1dbX2Nna4uPk5ebn6Onq8vP09fb3+Pn6/9oADAMBAAIRAxEAPwD8yfntW3oK6fTfEy3EPlz/ACPWLNb+Uvz1lzf7Ffb0+WnHlWp4nKqysdTrGv8A2ZVSE7masE+Ir7d/rjWazbqSt6dKKXNLc1p4aEFZq523h/xQWV/Pk2OnQvWjN480+L5Nskn+5XmzdaF61zToRnVuy1QjF6HpVt8RrRn/AHkUifSus026TUY98D+ZG/z768NVuK9X8Aw/ZdHh+f8A1h31214Rp0uaO5lUp6rU7GGCOCOpI46jqeOvnalVy+Lcwk09Lah5dUb6x8z95HWl5dHkPURm36j5OffQ4/7L5clSRx+X/wBdK6G4sY/+edZN1ayRyV206ndmV3CVrFT/AJaUfvNlEcdT7K1i+XZmtPWN0QRx1J5fl0/yP3dSf6uOpk+Yvl7IZ5FJ5ccf+sqTy/LqT93Vc/s5csrtHJUpwp7kcdHl+fJ/zzqSOPzKPL/ef6ynL2MjSMebYj/1cdW44PL/ANXUckbySUQeZJXN7TW19BSvGXK1oSSR+ZJ+8qOSPzP9XVjy/wB3RayeZVSXN0Jk1HYe8nlx/wDTSmf6ynyQ/PUkcf7ulGLlez2NJe7HlZH5dSfZ/wDbqP8A5b/vKnSqVSUIb6BTpPluxkdSeZ5kfl0SR0+CsG4z2RUVCmH/ACz8upI/vx1JD9+iSPy5KrWn1JlBy2LfmeXUcf7yP/npRRH+7orWfv2uzWL05GFWI6j8zzKbRNqpGMlujSPNF2RNJ/0zo8uk/goj/eVLUemrKhfe+geX5lSR/u46PL8upJKeq0k7ImfJPXqEH7yp/LqCP/WeZ/yzp/mUqnLDVPQUbR2YfPv8upI/3clRx0+s/ehGzNZy925LJ+8o8zy6fH+8jpf3cdKPumUU5dR/+sqTy6jjfzKStnNSlyrY2jr6Ej/6yljpP4KWsI3k+S+gS912RPHJ+7ojj8uo45Kk8yrnShDZ3I5/IPM8ypI0jSmU/wAvzKV++xfv9Qp1FSxx1FV8srMm3vWRJH5f/LOkpY/+udPSOmuSV+thyi5SsH+sqSCPy6jdPLqSOtYpJXgtCuWNON5k8n+sFM/eSSf9M6P9ZSVx17dhxkntoFWJJP3eyo4/+mlWJI/+WlOmlppe4czexH/q6k8ukqSR466ZSUdkXzL7SJI5JI46PI/eeZ/2zojjkjkqTzKzjJrdj5lblewSRxyURx+XR/y0p/8ABUyalHmjuRK0fhQzy6f5f7yljpP3klYczl8Y6fMo80ty3HNRI9QJUtaU1F+aLlzy9B0n3KP9XHRH9yn1HtdOW5hyrmuL/rKI/wB3RH+8j8upPM8uou73udzjzB5fmR0UPT4P3kda0/3mxzzelg8jzKPI2VJ5dSR1nCbNdOw+OOpPLqOOTzKk8yspS5o3uEfdFpI6I6JKuKjGN2gj7xJ/rKKZT/Lo5o9CovlBJKdSx/u6I6iK5pcyNLsPL8ypNlG+iOT/AJZ1nzMdg2VJHH+7qPzP3lSRyR0cz6hcnqCSPzJKTzKsR02uwk7BHHHHT6Z5nl0eZ5cdNay5eg7j3oSmeZT6uM1Fcr2JmmLJJvpNlGyjfT+DYdwel8ik31J5lY1HzjsSR/c8ujy6jjnjqx58fl0XIlTadwkjqOOpPOjo8xKnnczSOg+P95Unl1B50dEd9H/z0SquOw+SClqOS+jkojnouHKh/wDrKkjjkk/1lQSXUdH26PzKWhF77Emyo5IKf59H2v8A2JP+/dTyvmuivUXZUckdJ5//AEzk/wC/dL+8/wCeckn/AGzqtR37Efl/JUfkVJJJJ/zzk/791Hm4/wCeb/8AfFaSXLvuFg8vy6jqT95v/wBXSyb8f6uSsvgM4+6U3Ty6ZJ5dPk8yT/lhJ/37qP8Aef8APOtIz5gs+a9yvTfL8up5I/3n+rpnz0e0XNYWvcj8yo5KJI3qN6Ol2XcZ5cfl1XknqSefy46oP5lTqONo9DasZPMjrSsY/L8Y+Af+xr0n/wBK46zdK+5WtayeX4q8GSf88/FGk/8ApXHWSk47Fn6dx/vKlqKD/Vx1LXBvuVzBRRRVmYUUUVBQUUUUAFFFFMAooopS94rlIqloooj7pYUUUUEcoVT1T/jxkq5VfVv+QbP/ANc60jqRYkT/AFdJSwf6iP8A3KSiWoXGSf6s1wnjT/lnJ/zzru3ri/GMfn2slTFcxfKdT4mtf7R8I6taf8tJ7GeP/wAh1+ef7Mskkfwv0mCT/WWsklpJ/wBs5PL/APadfova/wCnaVB/03g/9p1+dnwTjksdK1qw/wCfHxBqVp/37u5I6yxEFLCzuejl38Y9cesXUv3clbP+srJ1KPy6+UUVDXZH2EfdGf8ALOq8n+rqSOT93UE/3KmM2pWOyMrEf+sj/d1UerEdV5JPnraEUpcz0Ii+Ukg/d0+D5JKgjk8uSrf7vzKwqy5tjTmKl1H5lQSR+XBVu6kqp/DXPGmqseWQ/UqXUfmQVk2Mf7+t2SP93WSieXPWlvZx5U9Coq5pRx/uPLrK1VPLrZ/5Z1ha5WNB+9yvY1j7u5i3Uf7uqEcflx1pz/vIKoRw+ZXrSly7GEvelYjtY/3lacf7usyCDy5K04I5Kj2fL+8qLQIynH3COR6qT/vJKt+X89Rzxx+ZXPTm3LmWiNDKuoP+edV4PMjkrSm+/VT935lejCpHl20Jmwn+5TIP3c9Pkj8yOiCP95Xm2XOKPvEk/wC8kqg/+rq3dfu5I6guv3cdEYxjPWQ5ytuYM8H/ADzrNngk86taeT95VGeTzJK9KnKEXaluEkpRsie1j/eVfuoP3FUPPrS+1eZa0nJup+82OdJRVrlGx/d/u6fdSeXUEb/v6vyeXJHSq+zTUrascI9ivaT/APLOmalB5kFEH7uerckfnx1xzhUdWMo6pFp8u5xc8f7z95TLqPzIKtaxB+8qq/8Aq69qM5SV76nLUfYqR/crMuo5I5604/v1Xvo/3ddPtfZ7mUlzRuM8v93HJU/+spkflyQfvKfH/q6iScuplH3SN/8AV1B/r4/Lqd6ZH+7krTllM6eZrfYII/8AlnX1n+y3rkmq/DWOCdPLu7G7ntP9/wDeeZH/AOQ3r5T8vy69u/ZN1WSDxB4o02SOPy/LtJ45P+WnmfvPM/8Aadc1WkpLmZ4mY83JHyPruxk/d1U1yPy5PMqSxk/d0/WI/Mg8yu+jJS+E+al7pzckdct44g8zw/PJ/wA8/wB5XUyfu6zNYh+1aVdwf89IJI63jTtPntqTzGbpU3n2sclW5P3lc94Lk/0GSOT/AJZyV0slYS51JrsSUqhkjq+9VJK1g7RvLQBlRyR1I9RyU+txXK/meXUEn7up5I6ZPVX9pGyL5WUH/wBZUclTyVB5dOnFc1zPmRUeoJPv1bkqpPH8la+giOSqkj1Yeo/LqrFlSSSoP9XVuSq89bfZsZS5YkEf7v8A1lQTpU8klR/6ysbdx2KMkeyq8n3Ktz1UuI6TVxW5NijJ9+ip5I6gkpxXN8IRdiu9QT/vKnqC4jrbbczk+bYqTx1UkjrTf7v7yqE8dOMnIuy3tqVJI/3nmVHVuSOoPLrSEbyujCEmZk8dM8uSOtKb/V1Qkj/ef6yt5K/qL2b5rlSePzI5I65O+0eeCSTy/wB5XYSfu/3dUJo/M/1lOk5x2ZEo80r2OT8yeP8A1iVJvrdurSPy6yZ9N/efu66aNZ09WtBSjy6rc+e9UXbG++uXlbDNW3r0mYkWuer1oJyqbnLhYrluhcGkpd1MavQq6Q9w7RKXFLtpaxjHl1luULmtfSfEl5pMyGORmjT/AJZt0rF3Ubq3c099jOUFJWZ7V4Z8Uxa2uFEgkT79dT+7krxDw74ji0ePDIxffvr0nw/4xstV/dwviT+5/HXlVsI5e/TPNkqibjbQ66Cn+fUEH7ypPL8ySvL5VA3i5SjyhJ+8qvJa+Z+7q/JUckdXGpzRtYz5EpXZz19YyRyVBJ+7jrqJ4/PrNutN8z/V1tSrKPuSJnFx+ExUqSSp5IPLpkf7v/WR12e0hy3sZRV+moSSeZ/yzoj8vzKIJKk/5aVz6Tly9DabXNYSeOSCSpP3fl1HPHJJVhI/3fl07uBzXc536BGnl/vKkj8yOo/+Wf7up4/3kdc/KnK6epck3KzZXkqSD/pnHUkcfl+ZUkcaeXTjJRly9SvZEckklCf6upJI6jj/ANZ5dKNRPTqE6cuazRJ5EclP8vy6I5P3dSR06i7ClFx3JPLjkjqv5f7ypP8Aco/eUTSp7Gkml01JPMo/6aUf9M6JKlzUtyvbLluEclTp5fmeZ/z0qDyPMp//AEzqYvm2J15ea2hY/d76JPuVHJHUifc8yq9p5FQkySOk/dx0+l2U4yjD32zeNpRtF2JI56JJKjjg8upI/wDWGs5VoyfMtwlTqR1ewR76fGnmSUfw0R1TardCLXjzIk/dx0eXRH+8/wCWdSSfvKFNQ3QRbluEf/LSOn+XR5fmR/8ATSpP+WdJ1FVjzLc1jFx9Aj8uOOpKj8vy6kj/AHlYc9TmvBBzQD/WURyb6PLp9dF1tbUuNpBsqWk/1dEkn7us6ijyaC0h0J4446YklR+Z5dTp5cifvP8AWVNPl+0RzP7IyP8AdyVbjkT/AK51Xjjqx/q6bkpytuXBK/NbUIJKnj3/ALyqnlyeZU6SVl9rliXzLsSeXR5lH+so8z95XXC1N2ehnP8AedB+ypP9ZRH+8jkojk8uP/npXJrUqascEuW9iTzN9EccdQR+ZU8n/TP93WkvddkXzJ7Ikk/eUQR1HHJ5dT+f5dKymHI776EnmSR/8s6kjqv5nmVJHJH5dKb05eoS5E7DqdH+8qSOis/apbheUY80RPM8v/lpUiUyitIqMtw1nHmuT/6ynolVZKf59c0rxe+hPLOpsWqZ5dMjno8+OOStLLsaQppfETxx1I9VPtUfmUfbkqeV81mXCM/kTySVJHP/ANM6r+f5lQf2lHDWtK0ZcvUiUeU1o5/Lojk/eVmyXX+rqeCSeT/lnJ/37rGV0aR5pdC/5nl09KgSxv5/+WElW49Hv/8AnhSi+5tbyCOjzKtweHLuSP8AeVPH4Vnk/wCWnl1nKSf2jHknzXsZsklHmeZW1H4Rk8z95PU//CGx/wDPeSlKpCXU1jBvc5rzP3lSefXSx+DoP+WkklW4/Cth/wA86jnQOL6HH/ao6PtXmV28Hhmwj/5YVb/sO0/54R1Mqij0K5Tz2S6/eU/z/wDfr0b+zYPL/wBWlWILFIP4I6Uajl0Hynm0fnyf6uCSSn+Rd/8ALOCT/v3Xov2eP+5ViOCPy/8AV1r7T2e5Vjzb7DqUn/LpJHT49H1KT/lhXpXk0Rx+Z/BWXtJdiLcpwEfhzUv+eEf/AH8qxH4V1L/pnXfRx1JHHS9pbdGl12OEj8HX8n/Lfy6k/wCEKn/57+ZXbeXU1KdST2J0OKj8Byf8/clSf8IB5n+su5K7P/VyURx/vKn3upZycfgC0j/5e56ng8B2G/8AeST/APfyuoSjZRGUlu7mpz8fge0T/lpJT/8AhB7D/lp89dFRU+93I5TB/wCEL02P/lh/38qSPwjpsf7yO0jjrdoo9pJxsmPlRk/8IzYf88I/+/dSf8I/Y/8APpH/AN+60qKnXuQUP+EcsP8An1T/AL91JHptpH/ywj/791epn8VEfeNCp/ZVp/zwjp/2WD/nnViSiqu1uyeUg+yx/wDPOj7LH/zzjqeq71Xx7i5CCS1j/wCedQT2sf8Azzq//BVOSsnHmlZkWKs8Mf8AzzjqpJax/wByr0lQSf6ur5kUUZII4/8AlnWfPBH/AM86vyVBJVa9wM2e1j/551mzw1s3VZrwySf9NKVo9SblCSCqEkHl1r1mT/vK0uwsUJI/3lQSR1bkj8yoHqubsFifTY60p/3F94anj/5Z+INJk/8AJ6CqOm/9M6valJ/yCZP+ees6b/6XQVlL3SY3Z+n8H3I/9yparW/+pT/rnVmuQ25QooorMkKKKK2uKwUUUVIwooooAKSSo6lqeYrlIqKKlqh8oUVFUtBQVX1L/jxu/wDrnJViorr95azx/wDTOSnHUyILF/MtYP8ArnU8lVdN/wCPGCp3q46CI5K5fxdH/osldR5lc34qj/0GSSkbHQeGZ/tHh/TZP+mEf/ouvgLwX5lj8QvijpP+rjsfFd3JH/20k8z/ANGSSV95eDpPM8M2H/TOPy6+CoJJLX9pP43WH/Uwef8A9/IIKzqX+rzRtg7xrqz3PTYJ/wB3VS+/eUR1HdSfu6+PqxbfN0PvI+6QR/6s1Quv3dWI5PMkqndeZJSguUsggk/56Uz/AJaVHH9+iRPLkrSV3uxxfNGwT/u6vW9Zt1+8gqe1fzI46zqq0U92uxUVKJbu4KzfMrSnk8yCsmT95JWEaqjvuTF8wSSVR8z95WnWZJH5c9aqftIXLs+axpR+Z5FYWsfvI62Y5P3FYWsSfu6whU961jaxQk/1ZqjHH+8q9H/qRVTy/wDWV0RUnLmM+UZG/wC/q+lZMcn+lVpR/vK6al5Rva4vfI5JP3lQXX7uT/rpT5I/3lMn/eVwym+uiDmZXu+1VI4/3lW7rzPMojkjroo1Oanyt6GlhkcdPjgk8ymeZ+8q9ax1GIny7In3SjqUf79KoXXmeXWlqPySVBJH5kFZSSlG3Uyt715nNSRx+ZJWNdSeXPXQ30EfnVi30P7yu6lGcPQxlePXQnjk8yOpP9XHRax+XH5dHmeXJXXLklG19S9bXRBJ5laVrJ58H7z/AFlZvmfvKvQSeZWUaLW+pWq3CSP95/0zq3HJHHHVSd/LjqS1k8yP95VSqcq5b6DjPlMLXI/M8ysW3k/d10uqx+ZHXPR/u5PLrrpzfJojOSvK60RUkk/f/wDTOnz/ADx0y+/dyVPH+8groUvc52Y83JsZscdPgk8uj7L5c/l1JJB5clbualsKNp7Eb0yST95U88HmVQvpP9X5dRG8SJNR+Iv+ZXb/AAL1j+w/jFosn7ySO+jksfL/AO2fmf8AslcDH/q/Mq9pOuf8I5rmk6t/q/sN3HPJJ/cj/wCWn/kOuV1ebRPU56yhUoyXVn6L6bJWlPH5lrWFps/mRx10sEfmQSR11UJPofGySicRPH+8qvJV++/dySVQkjr0udk8pxnh/wD0HWL+0/uSSSV0n/LOuf1X/QfHEckn+rntPLrpI/uVhUk1MOYg2VBJVueP95UElaSmpEleSOq9WJKZUxVhXK8j1UfzJKtyPVetiSGSOq88dW5KqSR0c3VbDsVP9XUb1Ykqu9VFc24ipJTHqf8A5aVHJH/z0pS93qBUkqCSOrclQSVfN5hyor/wVUkjq5JVeSi4FST5KqSVfkqpJH5lEXzPyJk7Fe4jqpJVu4jqCSOtOX3rFWXYqSfvKgkjq3J9yq71rFcxlylSeOqkkHl1pzVUesoyb9B+hU8v95Vear8lUJP3dbxqJkShzblST95UElX5I6qTffrV1FLccY2+HUqXEcdV7urclQSfv63jLmlcwk3HoZskdR+XU88fmUytqFHmn77J5YuN73Pj7Up/Okqi1LI26oz1r2KEOTW+oQjyqw6m7qM0ldMql9jVIdtPrS7TTc08dKtOL6MQwjFAGaC1JWU5Rh6APzWhol+um6pbXD/cjcFqz15rrPh3otvq3iEC5QvFEhkx/tdq61OXI6i2RnK1mmevabP9ogt5E/eRyVrfx1BHT/8AVx18nrOV7aHNGPLsSST0fwUzZT6wtaV2aSu/jRJb0P8AvKjj/dx0Rx10xSau2Z3+4jntfM+5WTfWvl1veZ5dEkEc9Tb2c9TSVOnI5fyPLp8f7v8A1klX77SpI/3kdUP9X/rP9ZXVp8cXqeZLnpbk8cdM/wCudTx/vI46j/5Z1HMp6S3OmE9bJB5dSRx0R/u6H/1dZzSj7mpp7nLcPL8ypI/3cdRwSVJHHJHJVfBGyQoxUvhH+Z5lHl/vKPM8uiOTzKcVKK5raGmv2gkqSP7lRyVY/wCWdN8so3TOV78y3I0n/efu6k/1lH+r/wCmlSbKVnfmJjTn3uR+XUm+kk/dx1JHskqJSh0NHddLBTqd/wAtKJKOaMFy9TpjaWy1Dy/MojjqSo44/wB5RzRUubYpx5t0SeXT99H+spKwk+YuUeWXKtixTJP+elHmeXR/rKzklGVkxuUVvqHmfu6njg8yOo6fWsVOUrxMZckvQZ/q6sQfvKipY/3lLlqSn+8BQUZXexP5fmR0VHPTI/3lPW/NfQIfFcto/mVJ+8jqP/lpUkknmR0+ddEXy63CjzJKjjqTzK25Yy996GMoSiP31J5n7uo6KiU4x2NtvIkkjo8ylpPLrijLm3ZEeWWxJBJ5dT+Z+8qpHHJU1dEYRUb/AJFxk0S76I5Kjjoj2VKa9Co80pWZcj/1aSf6uk8yoIJPMqTzP3la2fLdsJRnFXRb/wCWf/TSiOSq1O/eSVVJOMeboO3PGxMlWI3qp5ckn/LOSrf2G8/55yVzzraWZcYyjsEckdSeZ5lEGj3cn+s/d1eh8Pyf89KUJwpxvcmanONnuVI5P3dR1tQeH0qxB4fg8yplUUpcyK9k1uYPn+XHRHdSSf8ALOup/seCP/lnVuPTY4/+WdYc8OpryPucfH5n/POrcdjPJH5nlyV1kdrH5dT/AGStPa8vwl+zRyH9m3cn/LOp4/Ds8/8Ay0jSus8jy6k8uOOspVpSM404xlY4+PwzP5lX/wDhEfP/ANZXS+XxT46cZuW5toc2ng6Dy/3lXrXwdaf8863tlPkrnlPlnuVYyU8N2kf/ACzqePRrSP8A5YR1p+XRH+7koD3SOO1j8v8A1dTxwR/886fSpWcZcwuZdA2VJ5dLTqvmRQRx1J5f7uj/AFdJRJcpN2S7KKfHRSuXZB5dSSUR0R/frOmFg/1dTx/vKj/jqTfVWKuiWikjqSo52K4U/wAumUR1Vn3GPj/d1IlEcdSf6ul9m4iP+OpP4KI/3lH+rqrCuPk/eR0eX5cdH/LOpI6i7h1GEcfmR1JH+7o8vy6jkqoy5ti+UsUVElS0iQoopI6qxViSiOOo/M8upKnbcOYKKJKKNA5gqTzKjkojrHn8w5Qkoo/iqOStiSSo/LpaSSuf2nmakdQSVJJUe+Ty62i769DIgeqklTyVUkn/AHda8qAgkjqpJ/rKvv8A6uqElC8yU7lST95VCT95WnJVCf8A1lTFc25RUk+5Wa8kclaUlUJK0sBRn/eVX/1dW5Kg8ulF3KlHmJ9Nq3qn7uxg/wCmd/aSf+TcdVLH/WGrHiD93o/mf8854JP/ACPHV6T3Fyn6f2f/AB6Qf9c46sVTsf8Aj1g/65x1PXCPlJaKKKdhcwUUUVJoFFFFTzInlCiiiqKIqKKKACiiisgCiiiq5QJaTy/MjkjojqSrMjF0f95YpV96zNK/dw+X/wA85K03qovl3Ar+XWN4jj8y1kj/AOmdbNZOuf8AHrJUv3tjUk8Byf8AFPxx/wDPOSSP/wAiV8SfEOP+xv2zviTAkf8Ax96Vpt1/6Pj/APZK+0Ph7J5mk3f/AEznr5C/aCxY/toXwkHN94U03Yf9ye63/wDoaVSi5U52OjCv9/A3IPnjqOaix/eeZRJXxctdz72nK+xm+Z+/qvdffqSf/j6qO4krHm5Jct9DWMXLcqeZ5clMupKJ08ySiSP93W+ncesOhB5nmR0/Tf3dRxyfu6kgk8uSsZc61WxlzI0vM/d1mz/JJWlHJ+7rN1KsIJTlaxteBHUH+skqTz/3dQfx10xoqL5lsHxbaFuD7lYviOP/AEWStKOT93VDVv3lrJHWMfeq3Kk/dszGgj/cR1Xk/wBYKt+X+7qp/HJXsSipRnGO5ny6XIJIP3nmVbjqD+OnxyfvK4v3kIblkkn36JI6gkn8uSp/M+SuLmdTcrQoX0nmSVDSXcn7yo/Mrsou8bMx+CVySODy5K0rH/Vms1P9ZWla/crWpFSnpoEZ9yDUpP3lVJP9Wat6pVB/9RWcJwnLle5VSL5rmVqX+s/d1kz/APTStKeT95WTfSeZJXVHmpPXYiUeX4i3BH+7qPy/3lR+Z+7jqSCT95Vypvm5kyWuYjkj/eVYjk/eVHfSf8tKgjk8yOuylzyjZle6t0W7qT93UdjJ/wAs6k/5d6gj/dyVjG0VKMlqjOPuk+pR/u65aePy7quluv3kdc9qUHlyU6Dk3Zimu5m31PsZP3dMuv3kdVLGfy5K7VrC3Uxlyp3Ld1J5c9Ru/mVJqP7yo4fuUQlaN0JOUdloSSR/u6oSR/6yrcklVLiOiM2/jM6jHw0t9a/brGeD/npH5dRw/fq3H/rDWdS26WhPL+7l5n3P8J9ck8QeB9Cu5P8AWSWkcclem6b+8kr50/ZN1Xz/AIavYSf6yx1KdP8AtnJ+8/8AaklfQmmyfvI6rDyUdj4yp8Zi65H5c8lZMldL4qh8uf8A66VzUle1N+7Yx5jjPH8Hkz6Td/8ALOOfy5K3YP3kdUPHlrHP4cn/AOmH7ypNDn86xgk/6Z1zVI+7dklt6ZT/AC/MqOSOk5WjaOoR94gkqOSSpJKg/wCWlTHncrgRyVHJViSq8lbXl21AZJHVOSrdQySUr8wFOSoJI6mpslaRk5bE2KkkfmSVXn/eSVbkkqpJWunYLkElQeXU8lQSUCIJKrv/AKyp5I99M8vy6zklH0LKj/PTPL+Sp3qvJWtzKxUkjqD/AFdTv/rKjuK1irS5guypJUEkdTyR0yT56jUJJvqV3qDy/wB3+8qeSOmSR04qaI97sUP9XVSSOOrfl+ZUckdaxko/EJRbKLp5dV5PLjkq3PHVV63gu+xEY36FeSqj/wCsq/JVN61p0rtyWyJlaO5DJ9yq8/7up/8AWR0yT93Sm76Q3NI8r6HxHxR9KTFGa+s5v5jMGpKKKwvzSu9Cgpc0p4pAM1coy5rxJDpR96jaadWkY332AVUK16h8NVjs7F5BxM54euG8O6HLr+oCCP7i8u3pXqKeHf7OhTyPk2VGKlC3sonBiJ7RR1lrP5lW/Ljkrl9Kup45PLkrpYJPMjrxZK0uWJnQqLqP/d0Rx+X/AKv/AFdFEdZRtGXK0aTiqmxJ5fmU2nR/cp/+srGquXY2iuWGgyOpPMpP4Kk2VPPHkt1K5mMkqncWPmR/6ur/AJfmUbKiHvSsTzR67GFJBJBUf+sjrdkgjkjqjPpv/POrj7xhOjJyuih5lHl+ZUnkSQf8s6jT/WVvJqXqVyzS5XEelSeXR/q6kjqVUblfc0v73K9iOOPzP9ZR/q5Kkk/eSUytvaJbo57S5rLYn/1nl/8ATOiP/lpUcdEdYqoo7G/NBdLBU8clM8zzP+WdP/5Z/vK6ufnpXe5LXNsLvpI/9WKI46krNfvI3C2nK9x1OjptO8uuack5XRVorcfHH/2zpajjp8cfmSVtyy3toXyr7Ifx1P8A8s6Z/wCi6k/ef/bKm6fw6hUjbZ6kVWI/3kdNpPM8uiVFS6kqN/MJP3dTxyVB/rKfHV0VGmr3KLEn+rNRwfco/wBZR/q6JVfadbB/E2JI5N9GyiCSnvWMWoy5WJRv8WjClk/d0kcdWPL8yP8AeUpPkmaez8yD+OnVL5dPjtZJK19pCUeZuzIjHlVnqMjk/d0+OTzKsR6bJ5dPj0qSP95JXM6qluTNa2KlSRyVpWujxyVfj0eOqg6S3NYw7IwvMqfy5LiPy4463o9Njj/5Z1ajh/551EqijrFaBKm4nPR6bP8A886I9HnkkrqY46njjqIVuy1NHFy0T1Oej8Pyf89Ktx6HH/y0rVqWs5SlLqXKKjuUE0qOP/lnU8emx+ZVzY9PjjqIvmjys1+AWOCOOPpUkMfz05akjrEA8v8AeVIiUURx0ipK4Rx1PHHUcdS1UVNBcdUn+rqOpfL/AHlEpqIh8f7un0Uys5RcupZYpPL8yiOrEf7ugcnzEccf7yn0vmU+OOqvbczUeXYkqSOo6k8zy6GuYskoo8ujy6LW3Jt2H7KlpI6WmTyvmvcKdR5nyUeZWPwSujW4+iljkqTfWrfMIfHRTEp/mVjdc47kkdSfu6r1JHHWgXJKfspnl+X/AMtKnjqCg/1lSeXUfmVJ+8pXgAUR0/y6I6qMlLYm5JH+7paKKu5Q7zKX/WUkdFRzICTy6kjojo8vy6waUtxSfMPpZI6SljkosFxKlpI6Wq50XzBRRRV8xMveE8upKKZU2ceoD6KKKyfNProVzBRRRShHl+FE77DKKKK67lcoUklLSSVPJEOYgkqCT93U8lV6mK5d9iSCSoJP9YKtvVSStSrrsVLiqk9W5P3dQPUepMfeKNxVe4q3PVS4rUNTMnqCTy/Lkq3NVSSpAz6hm+5VuT93HVSSo9CuUnsaPE0n/Ejn/wC2f/oyOpLH79QeMZI4/DOpSf8APODzK0i+UL9z9RrL/jxg/wBxKnqpYyf6DB/1zjq3XDCSLCiipaoAoqKigCWioqKACiiisgCiiin8YBRRTK0AfRTKKyAfUtRVLWsdDIxLH93JPH/03kq9VKP/AI+p/wDrpJVrzKqTsVyhI9Zuq/vIJK0qzdV/1ElMXMZvw9k8u1v4/wDpv/7Tr5L/AGto49N/a98ET/8ALS+8LyQf9+7uP/45X1h4Ak/0rUk/65vXyt+3Va/Zf2gvg5qX/LOS0vrH/wBFz/8AtOiG8orqdFP+JAsQyeXJUj1Tjkqx5nmV8jiFK+h+gRTitChdR+ZJUc8nyVYuo6qTx/u645Rt1ubQv3Kk/wC7ojfzI6r3UklMSf8A5Z1pGDjG5UpXHvUkf7uo6gnk/wBXS17Gf5G1D/q6qX1FrJ5kdQX3+sFc/K+hp7sCn5fmUT7KZHJ89Facs4b6lW15h8EnlxyVUuv+Perccn7uql5/qxRGDjLmFHQyd/7ymSR1Xnk/f/8ATOrHmVvHEzlLlLk29kVP46JP9YafJUHmeXJU+0XPZ7hH3ipdeZ58daUc/mQVmzyfvP3lW4JP3dHLz+hnG8epQ1KT95RHHTNVuPLSiN/Mjrrml7O6WhD97Yf5/wC8rXsZP3Fc75nlz7K2rGT93WEo2jzdTSMFEj1H/V1Rq9qP+rrNjkrKFK2r3LfvbFS6tP3lYt1B5db00nmVkz/u67opJ3d2ZyaluRxx+XHUHl+XJ5lT/wCsjqOSTZTipyle+hMZJkE8nmR/886If9XVST/Wf89Kng+/XR7y3ZlOXctwf6vy6WT93JUccflyU+euepN811qVGPNuW5E8yOue1WCSt6OT93WZqUdKlUcdhSg4nPSSb46gjj2SVPPH+8qpJceXJHXpQt1ZzT/d7lySDzI6rwx+Z/q6t+Z+4qpHP5f7unC8HvoEWlKweXVS4qd6g8yT/lpWkbyldmdSK7hHJVuD79Zscfz1pWsnmR/9NK2qR7EWfU99/ZU1WSPWPEuk/wDLOOOC+j/25JP3b/8AouOvqixk/d18R/AHXJND+L+m2n/LDXEktJP+2cck8f8A6Lr7VsZK4YR9+6Wh8zjI8tbY1vFUHmWsE9cRN9+u+vo/tfhmOf8A55yeXXCz/u5K9uN3Dc8oydctft2l3cH/AD0gkjrmvBd15+leXJJ5jxvsrs5P3lcLoH+g6xqVpJ+7k8/zI6U/3kNDSXvHW1WkkqT+Co5I65qcpdjMgkpmyp5KgeuiUuXbcrlIqgkqeoaylNxdySJ6gkj/AHdSP/rKZJJRCTlvoQQVXk+5U71BW0bxHcrvUEkdTyR1Ukk8uSt4q4pajZKrSR1PPUFRJqUrFx90r1DJ+8qeSPZUNW4p/EZ3K71Xkq3JHVST79dFkLmT2Kn8dRVYpklEdZWKabKj/wCspkg8up5OgqpJJ+8pcxNyu9MqeSoJKOYdipJHVeSrkkdV5I6rfYnQqPUEkf7up5I6Z/q66eaJjOMinJH+7qpJH5lW56qSR/vKcqziuWGiG01vqVJP3dMkjkkq1sqD/V1s6cZbj06o+IaKVqaRX1k43V1sZjTRTDT4686m7uxQ/wBaKCtMxXdUUly26Ej2qSKMzSqg6tUa1asm231uf+mi1T5pSvEiWx7J4R0OHR9PRYTmU/6ySuj8yoLGD9xH5dW44/MrxMRUjKpozzor3uZEcdjH5nmeXVuCP93RJ/qzUkclcu+woq89Ngg/jojkkjqT/Vx0f6yn7r+A0TuSR0SUkcclMjj8z/WSVlyLmtJnVF+7Zon8v93SUr/6ukrOcOX4TLS9pMljkqKpqhpcrN6bFepI/wB5/q6j8zy6kgkou7WTFG8upXng8yqM9p5da0lR+XS5o9Atrcwv46kq9Ja1Ukg8v/WV0RajG1jmjHl+PcjkqSP/AFf/AE0plPjk8us4rmNId+geZUkEdHl+Z+8p8f8AqxW1lHZXMeWTnoM8zzJKn/5Z7Kgj/wBZ5fmVPQkox5mnc6IrmGbKf/q6KJI6UPPYmVFoJJI6sR1T8z/pnViOStYQTXMioz5nytD4/wB3R/rJKI/3cdCf6ys5T5dhyva7Yf8ATOn02iueMk90ZWsPj8z/AFlD1PHA8kcf7upPsMklP2iN+WRU/wBXUkdW49Nq3HYx/wDPOn7SMN1crkKEcdSRwSSVreRHHHHUnkR/8865vecuaJco8uyMj7DVuDTa00tf3fmVP5dTKXMRPyKEGm1bjtY46kqfy67PhjzQNIDI4Y/+edSeRHHU/wDyz/6aVHXmSck99DSyjK9gqeOP93RHB+7oj8yunTlvYz0j0JP9XJUn/LOhE8upKzlJuV7D06MelSRx+XUccdSf6z/fovCcrnQ0pRux9SRyfvKSl8uiNo9CG+wf8tKsJHxUdPjkqJe8UWI6P9ZTKmSsiwqSOo/46sR0SppExfMHmU6m/wAVPjjquYQlSxx+ZS0kf7uo5mWTxx1JUf36k8z93Tl7w7D0qWOo0/1dSUR90S0H1J/yzqOiOiN5Avd3JI6njkqDy/3lT0ASRyUSfvKjjqxHSs49SYrlCOnUUqf6uokuYoI5KSpfL/d0taAOjqSOOo/LqxH+7qB3Cnx0yipjUTEP8upPLqOOSn1RYvl1JUfmVJWSp8srpkD4/wB5RUkdEcdPm7juEdSR0R/6ynUvcK5JDfM+enx/vKSnf8tKuy6E3JKKKf8AwVEIyKEjopU/1dS0oxvMB1HmUeX+7oT/AFdKWuwiTy/MojjpEpf9ZUzlHmsMRKlpI6WtoRpvYmwUUU+jlRQyn0UeZWcyuUPLooop05IkKKKKuXuxuaXQUeXRTKUZcwxPL8uloopSfKZS94r+X+8qCSP95Vp6g+Spjr8QtSB/9ZVSSOrcn7yqklaU/isKxUk+/UD1bnjqo/8ArKsoqT1UuKvSVRuKJahzMqT1Qkjq/J/qxVPZSsPTuVZqrVLPH+8qOT93RCIiS0jqp44k8vwH4h/68Z//AEXVu1kqp8QP+RA8S/8AYNn/APRclaS0DU/UPSpP+Jbaf9c46t76qaV/yCbT/ppBH/6Lq3XlxdjUKKKfWxPKFFFHmVPNAXKFFM/eeZRRZdw5h9FMoqiwo30UUE8wUUb6KCgooo31kAVPHUFTx0AYv/MSu46s1Wk/5Dl3/wBs6s1d9bEcwklVL7/UVbkqpdfcqiznvA//ACH9W/3I/wD0ZXzz+39a+T4i+C+p/wDLNdcntZJP+3Wd/wD2Svobwr+78XX8f/TD/wBqR14N/wAFDvMtfB3wv1KP/l18ZQR/9/LSeP8A9nroou1TllsOLvK5x8ckf7uSrfmVmx/6iOSr8klfI15xjPlb0P0Gm7rQjvn/AHEn/PSqEcnmR1PdR1UjrzPZ32Z08pBdSeXHVCGT95Vi+/eR1Qj/AHcldEnfqEot69C/JP5dRyf6v/Wb6jk/eUyT93HWfN71iZJsvWP7yCpLqP8Ad1Q0e6/eSR1fnk8yOpnzRnzxHymTH+7kqeSOqPmeZP5lXpLr93Q5Tfxjpogj8zy6qT/cq3J/qxUE8n7utKvNHXob8rcbIwZPkkqT/V0y8/11J5n7utvZvl8jOUZsZJNVTzPMnp8f/TSqkk/lz1zVE6mq1Qo+6F9J5clW4J/3FZt1deZUlrNXYoqNKKS3CznuR65J5kFQQSfuKfqX7uCqMH7yOtuZey5b6Gfs4kckn7+uh0qeTyK5qSTy5K3rF/Mj/d1yVE5q/QqTUS3fSfu6yY5/Mkqe6k/1lZMcn7yro02o2YpSa+Et30n7usmT95HV+6n8yOs3zK2lTco2T0CK5hPM8uCqMk/mVekk/c1Q+SRK1jyx7ky90ZH5fmUSR+XUckf7ypPMrq5Lu7RMY8xbtZ/3dSTyeZUEH7yreyudxXQuMlEjgf8AdyR/6yq+pfvI6kjk8mSo7uTzI654ytPV3IlJxjZHPTyfvKoyRyVeupI46qeZ+7r1YpuNmcs5e0jYsW/+rqOSDy5KIJN9Pu/9WKm/v8g43luyCePy6qeZ5knl1Yn/AHkdRV2Rmo9DKUeYhep7GT95VSeT95UlvJHHJTmYwi4PfQ7DwVqkegfEPwfqU8ckiQatAkmz/pp+4/8Aalfeumyf6uvza8RSTyeHdS8j/X+RJs/66V+ifhHVYNY0fTb6CTzI57SOTzP+2dedFOM/eeh4mY259z0XR5PP8P61B/y0jTz689vv3cleheC/Lnvru3/572kkdcLrkfl3Ve1QknTcVujw5e8ZklcLfQ/ZfHkkn/PeOOu6rjPHEfkX2m3f/Tfy60i23axXKb0dElJHJ5kcdEn7yslZq1iSKoqlqJ6XwgRUyn1DUuXNuH2rEckdU5KvyVUkqpJx0W4Ss+hBJHUFTySbKgkraEZWsTyorvUEkdXKpyUWfcog2VXkq3VerjJuViCGSoJKnnqvJ+8jqpaCjdbsgf8A1lQSR1PUElZ6817k80Sv5dM/eVPI9QSSVp73NcuXu7FOSmPViRP3dUqZPNEhkjqCSP8AeVbqu9UU9Cq8nzVG9PnjqvVU5LoRL3SGSq8/7yrEn+sFRyR1pzIxuUJPM31BJVueOqknyVpKUaUbsmcedXuV9lMkjjqf/lnTJP8AWGt41ObS2pppy2sfDNNag0019U6l47aEINtPUVGOtPFY0ZR5rjZJRTaK9KVRR3IsFWbBd15EP9qq1aWgw/adaso/78oFRTk7uXRET+Fnv9j+4jjq3J5clUbTzK0o4K+ccXzc0tzjjeXwoj8irEf7ujy6PL8usKlV9C+VwG06Oj/WVJ5dZU19u44x5tgp+yiP95JR/BUzkXYj/wBZ+7qRKIKI/wB5UyfN6BCKgJSpUkdLT5XzXNPeexFH+8qf/V0zzKI5KpxUtjGN49Akk/d0R0eXR5dRJQTtHVm0rydw/wBZUc8fmVPH+8k/d1J3kqYyuuSTDlfUwp7Wo5K2vLqOS1+T/V1pzcmnQzlHl2MnzPMjqTzP3dElq8dV/M8uP95W/M5/CiUpP4tC3H/qxTJJPMojk8yOiSDzJKqVRyjdBGCWzHwVJRHY+XJ/rKn+y/vK4m2t2VHQgT/WVIieZVuOOp446qNWUt9jfl7FCO1kqxHa+XVtIP3dPjjqJ1OcgZHBHU/2eiOOp6z5h8ncI46k+So0qx5mynyl6/BYPLo8unp+8+eiOOlGSkTy62JEqSOOOmVNHW6fLsPlcPQPM/791JH+7jqOOTzI/wB5Ukcn7yufTmu0awl2J4/3aeXUkcdMopylyyutiZp9x8f7ySj/AFlR+X5dW446Iy5hwf8AMEf7upPM8uo/46kj8x/9ZUy5o/EaytHpqTwSfvKk/wCWn+splPSs5NSd4siOuktyWkj/AHclEkdEcdOEQnbsTUv/AJEqPzKKuERRlfYsU+mRyeXT/L8+SstexrL3SwlPSmRx7KelZ3FHnZLRSf6ynxx+XWnMtuoxanSo/LqWs+Zi98SSTZUsclRRx+ZUif6umU1Ynj/eUSfu6jj/AOulSf6yojvdFEkclSR9RUcccdT1o43FcPMp9NRadURXKKTuS0UbKf8Au6IpsdiSP7lT+X+7pnl096T0CwynUsclSR1pylXDy6fHRRHHVRdxEkdJRUuysqkrbgCU/wAvzKI6I46JO4LQWOPzJKn8v93SfwUsdZ3XUdwj/d1P/rKjqWm3crTsJ/yzqSOo46krn8uoDqKKKvbyCPuhUqUJ/rKfRy/zBL3tg8uiipq1buBF/rKnjptOjqediuMkjqZKZ5lPSlJXgKwVJHJ+8paKys1uVH3RPMpaTy6WtYxUdwCin0VEqlnYAooo8ujTlvcQU+meXT6cdAGUUUU5VLdC+YKKKKdNe9zEy94KZT5Kj8ulKoo7gQSfvI6ryVb2VBN9+qjLmAgk/eVUkq29QSU4+6VylSSqkkdX56oPQ+y3JKk9VLir0lVJI99Te3xAVXqnPVuf93VGeny63AqSSf8ALOq8kdWJqryf6sVrf3eUqK5hbX79U/iF/wAiB4o/7BN3/wCiJKv2P36j8aQef4D8Sx/9Q27/APRElTtuEYuJ+nOh/wDID03/AK4R/wDour1YvhWTz/DOkyf9Okf/AKLraSuGEiwoooquYAooo30uUAooqKpu+4EtFFRU5e8BLUVL5lJSAKKXzKj8yq5QJPMo/wBZUdPqQFjkqeOoI/3lTx0AZN1+71yT/ppBHJVmqepf8h//ALdI/wD0ZJU6U7MjlJap3X3KmqGb7laBzHNeH/8AR/Gkn/TSCSOvFf8AgojH/wAWL0K7/wCfXxXpsn/fyTy//alezWP7vxxB/wBNPMjryT/gopBJJ+yb4kv408yTSr6x1L/v3PHJSj7sy37x5dayeZYwf9NI6t/9NKzdLk8zSrR/+ekEcn/kOr3/ACwr5HEStXknsj9BpxjClBhJVH+Krcn+oFUJJP3lck5PmsdVvZ7kc/7ysn7V5knl1fupKyZP9Ya6qMFLqVFpk88/l0eZ5kdQT/cogk/d05UWleBYzTZ/Ln8ut2eT9xXLf6u+ra8zzIaHSjGVxQin8JmzyeXP5laUkn7isLVf3cEklW/tX7iOqlqRHSVi3JJ+7qv5/wC7ojk/d1B/BUyrRlHlirlXfNYzZ5P9Ko8z93Ve+k8ufzKPM/d1cG9raEylKIR/vKqT7I5Kto/l1lXUn7yi9KMrRGV9Uk8upNNfzI6qalJ5lR2v7iSumK5oBZ9y3rEn7iSqFjP5kFSX3lyVUtZKyvJQ1RldLcjvpP3la2mz/u6yb6Ty5Kt6bPTnTbp8q2HFwkW7qeqPn/vKtzyeZWb/AMtqcbqNoIuMnLoWpP3kcklZsckjz1teZ/otYscn7+nCcvti5vesF9J5cFUYJ5HkrS1Ly5IKxdNk/feZHWtKMakCpXiTz/u6I/8AV+ZVi+8uRKqQSeXWkJP7JnKTe2g+C6q/HJ+7qjx/zzq9ayeZHWdTm+0LmlU2RB5n7yo5KJ38uSjzKuVOUleK1CcDF1WPy5PMqpH+8rT1KPzKoRx1vCr7i02OOcLbsjgk/eVbn+5WbJ+7nq35/mR1fOvjHoVJP+mdRx/9dP3lSf8ALSmSeX/zzraMnLciNN9SvJH5dRyPVj+Cq7yf8s66ox5tjmm/esW5P39j5f8A0zr7K/Z68Rxz/AvSdan/AOPTTZJ9Nnk/uSRyf/bI6+ObX95BX0v+yvHB4g+Cfxc8JyT+Xd3V358Efmf8s5LGCPzP+/kFT7Nc1panlZnLlpRk9kfUPhW68y+02eOT93JJH5cn/XSs3xda/ZdSn/66VwnwP+I0eseH7SDy/Ln0qOOPy5P+ecf+rr034jQeXqsf7v8AdyRxyb61pwVOpOmtzwIy5o8y2OLrl/iHB/xTjz/8tIHjkSuorG8TWsl14fv4P+WnkSeXWlP4yptFfR7v7VYwSf8APSOrlYPhWfz9Kj/6Z/JW7J+8rn1pynFvQBklQU+So5P3ldFOcSeUZJUFPokpytLqSQP/AKuqclXJ5KryVheUQIaryR1O9QSVtHmjuBXkjpklP2VBJWkfelzE2I5Kgk/d1I9V6qKuOL5Rkn7ySq8/+rqx5lRvTl7pMveKn+rqCSp5I6gkjpRmpbCjHlK8kdQSVPJHTJI6q5EmpFaoXqeeT5KqSSUttwvEZJ8lV6kkqOtNO4WZBcSVUkq/JJ+8qvO8daR92NhSipFGf95Ucn/XSp5Kg/1cdXFJyukZRXKQT/u6qSR/vP3lW5Krzx0VdDosVajnqSoqvm2t0Ibkt1c+GT0ptOWmtX2M/huZIBinqoqMGpY6rDuMnYTEopxUU2uicLbiFC4NdT8O7P7V4khf/nj+8rmFau++E1n5mo3s/wDzzj20VYxhTcl1Mqmx6xBJU8dQQVPXzsp01G8dTlgpdieP93HR/wAs/wDV0tFedOaexrSpyfxMSOSpPL/d1H/HR5nl0R8zWL5Y2JI/3dEn7uj/AJZ+ZUnmeZVcsea0Qi+bYjjj30fwVJ/q46fJ9ynOL08wt712Mj/1dEcf/LSjy6WsJSm7+RpzITy/+WlJ/wAs6dRWXN7t7k+a2HR0z/VyU+mf6ynFpyvLQI+9Hm6hHJT/ADKZ/q6f5da6E832CP8A5aVPTKfTjZ9Q5Xy8oySPzKgntY5KtxyVHPJ5lVKTcNNDTl92zII4PIj/AHdEkfmVLTo65o3l1MOVLfYZHH5dPkjqSOOo63lF1HY6eRPYkjj/AHdT+XTN9CVjGLSsibygrD46kjk/v1HH+7p9Tp3Li+bcsf6ypaijk/d0eZ+8p8re2w79ixHRJHUf/LOjy/LrSwoyUSSOSTzKnSoPMqxT9y9xe6Pk/eVPBVerCf6uufmd/I2kuYP46PL8yiP95T0rW6MZuHfUkj/1hqSb935dRxyVJ/rJKyjFSlzGcbS16kkdPk8uSoJJP3lSeXRyoHJylZFuOm02OP8Ad1J/6HVVdYFxv1Yf6yOn/wAFLT4/3dc0WonQ/e2JEj+T/WU+OOmR0+SOuiXu7hZ9iTy6kjkojkp/+sqY2fUmEl0CpLeiNY3qSsLdglaXUf8Ax0JR+8oStIqxsSRx0R1JT/LoilKVrE2tuEclSeX5lRx1LT5TOL5th0dSJ+8pkcdW446xlJRLj7pH5dPSipP9XSLDy6I6k+/RBHVx90maJPL/AHdPjj8yl30UoxcpcxnGXKP8ypI46jjqxWnKaRnzdAp+yhP9XUtYW97mKuiGrFR/8tKk8utPtcpN/duH8VPqHZ5clTx1ErxCL5iSOOn+XTKfTblLYuwyOOp46SpfLrOWseYLBHH+8qeOOqkf+s/eVcqIyTCwkn+sFHl0Rx1JHV7bjv3GU+inxx0ac1xhH/q/MpKmopSaWltSbCIkdPo8ypI0jkqNtx2I46mp3l1H5clRKSiFiSOOpI499IlGyteb3bkglGypaKnmZrzCeXS0U+OrjLm2M7kclSUUUpR5igoo/wBXRUWj0AJKKfRSsK4UUUVSvs3oMKXy/MokpKNtXsKwsn7uo6k/5Z1HJW0VcvmCSmU+mVnKKRMveInplTyVUkp8qJuQTx+ZUEkdW/L8yqklVCPu2NOZFeT95UHl1PJH8lVJKuxJUkqpPJVuSoJ6lxUtyuYoSR/u6qSR1fqpJU2XNckoXFVJKsSSeZJJVeSrj724Elp/rKPE0kaeFdd8yT93/Zs/mf8AfuSi0/1lSeJvL/4RXWvM/wCfGf8A9FyVMnbXoVzH6NeA5JJPAfh7zPkk/s2DzP8Av3W9HJ5dc18Pf3ngPw9/2DYP/RddJXJF9iyTzKSmeZR/FS5gJPMoR/Mokojko5QEqWo/9XUdVJ8pkSeZUdFFTzGo+mf6uiinyxAKKKP4aUpXAKPMptFSRyjo3q3HVSOrCUFmZqv/ACFYJP8AYqSOSma5/wAhKw/7aUR1rdkco6oZvuVPvqC4qeYOY5OT934002T/AJ6Sf+064n9t6w/tT9kX4pxf88dKef8A74/eV2V9J5firSf+u8f7ysf9qyzkvv2Yfi1bR/vJG8MXxj/78SVqvdqwZZ8ueFZ/O0Ow/wCuEf8A6Lra8v8Ad1xHwy1hNS8I6Tdx/vIJ7GCSPzP+uddfPdfuK+Yx8FLETbP0DCTTowaJJJP3dZM8n7+o/wC1I/8AnpTJ7qP/AJ6V5kacl8KOqMnKYk9VZ4PMqpP4ggjqhJ4qgjk/ef6uuynQrchU2uptSR/u6gjqvJrFps8ySeP/AL+VmyeLtNjk/wBf5n/XOnGE9nuG+xPfT+XdfvK2rSTfBXHyal/bmpRyQJJXWWsHlwf9NKU131HGSjsZupSfu5KntU8yCOoLqxk/eUWMckafvK5ZVOb3GipOL3epfjqv5fmRyVYgnj8yqcnmQeZVcvLG61HHQwr6ePzqj8+oNVnS1kqD7V5n+rrrjG0eboE4r5mlG8dZN9P5cn/XSo7W+kjk8uqmuT+XdUU6LlKyM5S5QupKZBP5lUJ7vzI6ksZ625XD0FC7jaKL199yqNpJJVu6k/d1mWsnmPJHSir/ABaGcqdtwup6uabJVPUo6saVJXXNXpcy2IuoFuT95J+7qhJ/r6tySSRyVQ8/9/XNSlJRkorc3530Nb948FYsf+uFa8E/7h6yfM/f1hSg483P1HzD9Sk/0WSOsax/dyVral/qKybGTfJXbh6fNDXY55ylzmlJN5kfl1Ba/u56rySfv6k/jreVO3w3C5PJVu1n/wBZVHz/AN5T4565qseaFlv5l032JLr95JUccf7urE/3KrwSVVLnjDUqUmuhBqUHmR1ix+Zvrevv3kdYMn+sNbU059DglFSlzMZPJ5clTx/vKqSfvKnj8yujlfUINdAk/wBYaqzU+6k8uSOi4pyvHY6KiKkcknmeXR3kqSq8n360gl0OCUGoF/Tf3knl17l+yTPHH8Yr/RZP+YroU8cf/bOeOT/0X5leDWMnkTx16p8CNc/sf47+CJ/+WepXcmkzyf3I545P/aiR1bk4s8rMqTlhdD1z4JRyaP4x8S6FP5iXcHnwfP8Ax+XP5dfTvi6f7doemzx/vP3HlyV8xarGmj/tQXcG/wAvfJ5kfz/fjkj8z/0ZX01HJ9u8FwfvP9RJJXViLxrxnbc+VoX5NzgJKgnj8yOp5/8AWVBJUuLlO/Q3j7xwng6Ty/tcEn/LOeSus/grlIP9B8XX8H/LOSPzK6iP7lTWp+/sASfvKg2U+SoJJKX8OUUuoBJVeSpJPnqOSSquSRvUElWJJKpyVFuxQskdVJKtv/q6qSV0x96NibkcklVJP3dW5KrzVN+wiq/+sqOSp5I/3dQSVXNyAQSVHP5napJJKjkk31Vyb8hBJVd/9ZUkn7umPWBpysryVHJH5lSf6yq9XGSlKxIySPzKqTx+XVuSPfUFx3+tdD031IKElRvVio5KqMkwIJ/9XVeSP93ViqknmVCk0RbyK88dM/1dSPI8f/LKmS1rzDsivPsqnJH5klW5I6Z/q461jJLRK7MbTvzdDMdPLpkklW54/wB5VSSD95Rp2Kk+Y+F260w09qYetfVVn73KCBetTL0qJakWt8MhSDNLtpOlLy1dsW5aNaki+tewfB612aLcz/35MV4/Xu/w9s/sHhyyU/8ALRPMrkxbfsZW6mFSXLY6OOP56mp0dSfvK+a5ZdEckLrdhHRHSJ/q6kj/AHlDtI2i5L4Qj/d0PUkf7ulqIwcpWRrypRvLQiShKk/1n+sok/d1Xk9yVJR2CSOiP95S0kf+sNTUk72RUeSMryCOn0skfl0lV73LzPYrVataEf8Ay0pfLp8cH7yisXZS5kac0A8v5KP9XUn+ro8uocpSldonTsR+XJJ/1zoqTf8A89KI/wB5SqGdOJHT6WT7kdHP/PSpi+Xc0sySq88kfmVJ+8jjqGiUnI0l73wiSf6wU+Om07y/LqY+7KxHs/ttD6X/AFdSR7NlR/8AXOum8uVvsRJzjuSfx1NUMcdT+ZXNG8uppTnLltKJBsqf79JUsdbKg31uHMug+OPy6EoepI6mXuky92VohJVjzPMqOT93/wAtPMojpt82w+Uk/wCWlPjk30JR5fl0WXQqNlG5JJH5lTyfu/Lj/wDIlRx1J/rP9ZTnFQ6FVJdg2f8ALOpPL8uo6k8vzJKmKcehzxgpbklTxx/89Kjjj/d0fvI/+WdHuG0rxgTxx1JDUccnz1JHHSlNRdnsK9tySP8Ad0+OOoql/grnv7tyJu+i3H1LH+7oRPMp/l1BvTXuBHT6ZJT66ObSw+dr4ibtTYPv1Y8v93Ufl/vK59twl7weX5dWKKKUVce3kPqWiiq5Sqb7j/8AVx0kcnmUsdPjj/eVcfdNSTZT6X/WU+H79RH3tibix1PHHUfl+XUn+rpyjYPeDZUnl+ZSRx1JU3XLy2Br3boI/kqeOP8A550xH8ynxx0muV3CxJUckfmf6upI6kj+/V8yHa+wRx/u6f5ckdLT0rK/mEeZAlP/AOWlOpP9ZWcbvoXysPLqeOo6seX+7qo83Ndky0I46kpY8b6k2BK1k7k3Iv8AWU/y6KPMrO/PsUSeX+7qSOo/+WdTpUxjYbdgqT/rnS0+jliOKuEdEn36KKc0Kw6pU/1lRx1I9L7PKFhaR6kjjpK540pRnuVH3gqSPzKWOOnx/vP+udbSi7XRF0R+X+8qdKNlL5n7uOsPZP5ASUVH/rKkrXkbty9B2Cik8upKqEWFyP8A1lSUUUSi4jCijy6k/wCWlKMnLqP3SOn0UU+VkiyUlFS1EXylEVSeX+7paKepNwpP9ZUlMq5S5So+8R+XR5dSVHJSjeUr3AjoookqgI5KgkqxVf8A9AqefS4FeSoJKsSSVXk/1Yp/4g07EEklVJ4/LqSeOoJqe+wFOSoJ/wB5VuSqk/7ujbcm5UkqpNVuSSqklOL5gsUJ4f3lVZ46vTyfvKqTyVpa+xEXzDLX79T+I/3nhXWt/wDz4z/+i5KjtP8AWVP4j/5FXWv+wbcf+i5KylByLP0M+GUnmfD3wvJ/z0020/8ARcddR5lch8JJPM+Ffgv/ALA1p/6Ijrra47M2l7w6iOm0U+YnmHUUUVZYfw0eZ8lFNqeYyHUU2ioNR1NoooMgooopX7GonmUtQ1NTAdUkdQ1NHQBQ8Qf6/Tf+uklLSeI/+XCT/ppSx1bkpEcoVHN9ypKjko5Szj/EEfl6rpsn/T3H/wCjKv8AxXtf7S+E/jeCT95HJoV9H/5AkrM8XSeXJBJ/zzk8yup8VWv9peFdetP+e+mzx/8AkOStPtXA/Mf4EXW/4T+E/wDpnpsEf/kOOvRp53kgryv9nOTzPhRoySffg/0R/wDrpH+7/wDadevwQRyQV4WYPkq2sfcYGL+qwOajkk8yp57WSSCpPI8uStKOPzI6551tea2h3RjORxE9vJ5lZV3Yv5ldndQf6RVDVYI5I/MrROb1Ww+VnPQaH58dW7XR/s7/AOrq/pUn7yr0n+sFccnKXwsqNpbBJ/osfmR/u607WaO+jjkqhff8eMlR+GZ/Lgkj/wCmlYaKPLJ6mvKuc6GeOOOOsaf95HJ5daV1+8jrN8z93JURjLl5qYjmp4Lvz/Mjnk8yo449Suv9ZdyeXWnI/lyVJayeZW0KiSs4l8qOautHn8zzJ38z/rpVeOf7JJ5fl1talJ/pHl1H9hjnq3UcfiWhzX96xRtY445/Mk/1dV9Y8u+n8xP3lW7q1j8v93VGOx8iSt1yUXzdTXkly2I5NN8y3osdNkjrStYPMk/6Z1rQQR+XXBLEylLljuVF8pjTweZHWLaweXPXUXUkfmeXWT9l/wBKkrohKajZhKSZm6lH5kdM06tK+j/d1X0mGuqFT91y3MeSXNcH/wBZVT+P95W1PH+/rNngj8//AK51z0m6b5raGkY8sryLaR/JJWCf+PuSuhgj/cSVjSR/6VVrR2Wgpr3rhqUfmQVi2sflz1u30m+OsKD95PXbQ5bWuZypyl1JLr/WUSSf6uqmuT+XPHU8H7+CuzTlvE54y5ZcvUnd/LqSGoJP3cdPgk8ysKi921jWTTL/APrI6qJ/rKtxxx+XUE/7uSuSNo69Aa7BPJWLdR/v61pP3lZN9H+8rahKbndbGEtNiN/9XQn+rqSOSPy6j/grtUZvfYi8fskF1H5kdV5/9XVyf/V1Ujj8yujl5I2sZylKNraXK8EknmUSeXHRJJ5dQTyeZ/0zqYQZnr1ZPbyfvKu2upNpPiTwvqYnktIrXXNOneeN9nlp9qTf/wCOb6z4Kk1SD+0dHv7SP/WXVpJB5n9zzI/LolGW6OLExm6M4yPsn9oXSrTwj8dPB+sx+ZJJqXmSef5n7vy4JI44/wDyHPXvvhyT7Voc8H/LPy/M8uvmH4/eMYPHHw5+E/iWCCf/AI8fInkkgkTZJJBH5n/kSP8A8h19A/CvUv7S8PwSR/u457SOvQxCvSo1ZbnxeGg6alF9TMvv3c8nl1TrT1iPy76SqNYzvzc0WdkXynCeI/8AQfGlpP8AwTweXXQx1hfEaTy5NJn/AOecnl1swSfu46itzc0ZdyfQkkplP8yo5JKmL6vYCCSOmU+So/MrUT90jqCT79TvUH/LStObyFYgnqDy6nkkqKh+9sFiGSOoJKnkqpcU/wCHuFiOSq9WJKgkqHzSnoTqQSR1H/q6sSVU8urknHcUncjkqvJ5dWJKqSfvK3jTcth2I5KgnqT95HUT1EqfLHltqRzMr0ySpJP3clQT0jQgkqOSpPMqOSqilHYzj7pV/wBYKST93Un7uOqk8nmf6yr5b7ET+G5HPH5n/LSoJKfJH5cdQfu/+edXFOWxOvJZrUZJVf8A1lW5JI/LqpP5clXZrcrmfcgkqCp5Kryfu6qMeaV2ZzPhVvmpnvTmpjV9dVmpPm3Y0Op9Mp9bUtBATQDijrTgK6I80nzJ6CJba3NxdRRd3bbX0do8H2TTYIP7kfl14L4TtTeeIrGP/ppur6Bgjkjrzcwm1G0TnlL3rFhE8un+ZJRH+8jp9eJJtwtfUUkpdBtT/wCrqNKk/wBZWfs21eJdvdsEf+sNEn+sFEdH/XSinL3yYpS3HyR02nR0SffqKkXKXMhygmNp1Mkjoj/d1nJ8srke91H/AOsk8upJI/LqPzP3n7upPLraUH1Hq9mRxySeZHVh6j8v93R+88yo5XUlyrY0irbh5lSb/wDlnR/q/wDlnUf+s/eUXKpzXUJI/Loj/d0lL5f/AD0rKdy5R5vh3CP93R5fmR+ZUknl0QR0uUUYzRH5n7uo6sT/ALuqtHMRK0Zcr3Jo/MkokqOOpI6JS7GnKHl+ZUkf7unxx0f6ylHnQuVdCTy6k8uoqljolGS6mUXKWwU/ZTJI6elOk+bdm/l1JPLo/wBXS0//AFkdaxhGRMYuW4R1PsqCP56nkj/d1EIrmsKSfVkkf7yj/Wf6uiBPMjqePy/+WdErJ2ixatcq2I/LqSOiOn1pF80NDSNo7oNlFSfvJKk8uspS5tjOXuyuEfz1J89PjjqWP/lpWcdfQ0j73oRRx1NTf3lSR/8ATSpmr7EVJW62JKf+7plTf8s6d/cKjFt819B0VSJ5lRR/6w1J5p31lys2jJS2HVLBH/y0qPy/MqxDUlTTEj8z/rnVntVaSTfUkclaT12MqT96zJKfHJTKnjqUn1OiwSVJTKfHHTlLlM+UdUscclGynx0cxpYWOOnx/u6SpfLqtOgrdiTzPMo/jqOOpP46mUuw7onqTy6j/wBXT4/M/wCWlZ35xi+XUiUbKNlaN2FYfViOq/l/vKn/ANZWFxx0JNlEclCUR/6wUorlJvbckjp9FSeXWvoPUPLqRKiqWP8Ad1lqtxrUP46fR5dPob5thXF8uo6fUsccdVHUE0h6VLUX+rqWlJWKsPojojojrl5ZuVkydQkp8dElS1te0bsYU6jzKKm66juFTU2Oj/WVpG6Cwsf7yjy6en+rqT+Ond9UTYjjkqxUckcdPjrG1tyri0UU+tIfDYLjKfHR5dFZjCjy6fRWn+IVgpZKPLpKnRboLBUtCUUo8yjdBYKSOOl2U/8A1dEZXKGUbKKKvXvoTYfHR/rKI46KiXvBcg/eSUlS0bKqKsURyVHJHT6KLcgENRyeXT5KZPWpNypJ+8qvJHVt38yqdRZ9guQyVUkq3JHVST93UwVtyipPVSSOr71UkoqRQS5EVJKoTyVfuKqSR/u60jFON5EFCf8A1dUJK05/3dVJI/3laS90dokFr9+n+IJP+KZ1b/rxn/8ARclSWv8ArKfrEHn+H9Wjj/5aWk8f/kOlJyQaH378E5PO+DvgiT/npo1p/wCiI67WvP8A9n2fzvgL8PZP+enh+xk/8gR138dcHKbi0UUUcpkOoptOo5iuUKbRRVBzBRRRWRIUUUVXMVyieZS0VDUhzEslLRUNAcpNTo/v02nR0BylTxHH5lpaSf8APOf/ANpyUy3qfxJ/yDY/+u6VBD9ygkkqOSpKjkrUrmOP8af8eskn/POuwk/f2Mn/AE0tP/adcf44j/4lUldno8nmQaa//PSCP/0XWi3LPyz+BMP2XwXPaP8A6yDWdSjk/wDAuSvWrWTy4K808B/6LrXjqw/59fFWsQf+T09eiWP7yCvFzaDVaVj7nLv92gzNnk8u6rShk/d1i6l+4k8yrdjN+7ryX70I+R6MGyDUv3c9ZupSeZBV7VP9ZWbdfvIK651FTp+6TqVNOuo45/Lqe6k8u4rJg/4+Kvz/ALysKctea1mKCL8n7+1qvoc3lySVJY/crJjkkguv3clYvk97zH9q52cknmR1myf8tKtx3HmWlUJ5P3clcUKr5eWBtvsY0n7uSr1j+8qpJHVixk/d117xutxR1Kmq/wDHxUf+sjo1h/Muo46k8v5Kp1VLlv0M+ZlCP79Rzx+XJVuOP95JVS6k8uOnKPtKt+hpHTqWPM+yw76jgvvM/d+ZVSaaT7PWba3X7+tKeHSu5LVildvyOhnj/eVUknjj/d0SSb46zIJ/Muq7IwjIfMublLE8n/PSi1kSOq+pSVUsZPMkrKpSdOPMhSm18JvSR/8ALSqE/wDrKtVVk/1hrnhH2+wo3l01LcEm+CSsWb/j4rWj+es26j/eUqWH5XuaPQjnj/d1i/8ALatv/WQVi+X5dxXdS96XLE57syfEf7iSOn6PP5/+spniR/Mqhod1+8kSvQjG0eZbnDKadS3U6GSCTy6qQSSRz1bkn/d1mxyfv65ufn2RXMjdguvLqSf95VS3eOrcf7yOuOUXL4Tf2iCP93WTffvJK0o44/L8us26j/eV2UKbvYJJyfN0K8kcfl0JVS+k8uOi18ytuXkdzGUU9tC3VSOPy/MqSSf955dRySfu60jUv0Ob3eaxRkqvJH+7q3JPUHn1vz21tZBzR7Ecc3l1p2L+ZHWZHJHJV+xk8ur9peNjnq+9GSXU+pdNkk8Qfsp+HruRP+PG7ng/3I4JJ4//AI3XqP7PWsyXXg7SZJP3flxyQf8AfuTy68J/Z6vv+Ej+B/xC0W0j+13em30kn2GP5/3E8Ecnmf8AbSSOf/v3Xpv7O/iDy9K+wT/8s7uSSOSOP/ln/nzK6ZxUsE/J3PilVUa/s+p6x4ij8u68z/npWFJXQ+I4P+Wlc9JHVKzjzJmpy/j+18/Q5JPL/eQfvKfpU3n2sEn/AEzq/wCJo/P8OalH/wAtPIkrC8KyeZpUdc1S8le5UlY3aZRQ9TGNySOSq8lSeZTK6eVE2I3/ANXUf8dSSSVTkrKT5irpbkEkdMp8lMq+T3bRQEclQSVPJUHmeZTjzSV2QV5P3dQSVPP+7kpj1qBVqJ6kk/d1FWUZcwFWT95Uf8dWJP3clRyVv7RqNmBBJVOrj1DJIKZNyt/q6qSfvJKt+XUEn7uo/wAIcyKkkdMqaSoJKoOYrv8A6yoJ46sSVXkq+ZEcxU/ipk8f7unyUyT/AFdbRaYpNR3RBVeSP95Vv/WVBJ/0zqZ3va5jGKlsV/3aVUkj8yrc9VJK3jNvbQu/LvqfCdJTjTTX0049gHL1p4703FOFd0Pc3JYzdTxTFp46U4N9wZ2nwtsxd+IizdI4817fHJXl/wAHrPdDeXH/AGzr0yGPy683Hv3tDileTdieCOOOP/nn/wBM6kj/AOmklMjp1eBNdOppyvluFSf8tKXy/Lok/wBYKOZU9tyXJuPLJaj6ZJWTrHia00eSOOeeOOSuN8S/FaLT9iWEaXTN1JeqpU5zfNEjmtLlPSPMo8z95Xz3rHxL1jVJPkl+yx/3I6saN8UdT02ExzSNdf7UhreOEqydr6lyjUcbH0HBRJ+8ryXTfjessmy+tfJT+/H89db4b+JOka/fC3imIk/6aR+XWzpSpx5t2NKXLys6ny/LkqxJJ+7qP5JEqT/WV58ZNSuNL2OxH/q5P3lSPRso8z/nnSk4xNZSvuEn7yjZR5nmU/y/3dRCapyuwWkbRIPMqSOOOT/rpUj/AOrqOSP93W8pNxu0RH3Vcf5fmfu6I4/Ljpkf7z93/q6mrDkfLzdDTmZVkoj/AHlEn7ySjy6Jtc1ywjjjpKlk/wBX/q6IP3klXJrZ7mck4j446PMqTy45KPL8uSlKTlG1iCTy/wB3T44/MjooSsY6l++Hl+XUkdEdSVv7i3HzPqDxiT95Qneinx1lUkoStEUbskk8v/Vx/u6Eo8vzKk/1cday940322EjqSOmR/u6n8ynCPuagrR2RJHHT446jqSP95WfpoZyTRJHRHHRHUnmVmHM9uo+P95Un+skqOOOrEcf/PT/ALZ1NNPZs6eb3bjal4/56VH5clSeX5lacpjePNckjj8upPMpaSOs4qw5Sa6D/LqSOiOOpHqJS5QjePQP4KfHTI5KnjkjqeY15u5H/rJKsRx1H58fmVJHPHJRKaZrGKY+OOpI6kjj/d0eXVxaZIeX5lPjojqXy/3f7uol7wo6BUnFJH+7p8ckfmf9c6i5Vh0cYqRMR02OPzKfWmnLe4tXsS0/+Go46k8z56y5hyfLuFSR0lWI46vlaV2TL3hiU/y6kj8upKUny7jjDlI446kjp6UbKiwpKaDZUkdEdHl0XtuVYfUkdR1JHWsrRCL5iRKHop9ZjswqSP7lRx0+gZL5fmU9KE8uOjfQRzRJafHUcdSR1JYU+OmR06oi+bYsmoqGrEdURqM2VJ/HRskpKT97YdyanR/u6ZHJT/8AWUnGS8ih9Gylj/d1JUxi11AKKKKrlDTsFPooo5SQoooqBBUkdJS+XVytKPLcsSpaKKIxa31HzMEp8dMp8f7uoMw/jooo8ynp0RpzB5dEcdOpqf6yqpqNvMzCSinUVnYobRRJ+8koq4y5RXIJKSjZJRSU3IoZTKfJTKr3ybFOSP8AeVA9W545P+WdQSSUoyaGUJI6gn/eVbmqpJWwyo9VJKtvUD1PMqmwS90oXEdVJP8AVir8lU5I60i7EFB6qzVbkkqvcUN23HYggj8ySrd1J5em3f8A1wk/9F1Ug+/Vu6g8yxnT/npHJHR9q5Nj7n/Zwk8z9n74bf8AYv2P/oiOvR68x/Zl/efs7/Db/sX7H/0RHXp1cX2m+5YUUUUF8wUUUVPMSFFFFHMAUUUUuUrmCiiipLIaKKK0lFyMgoooqeU1CrEcdV6sR1JkQeI/+QV/1zkjqCH7lT+JP+Rfu/8Atn/6Mqraf6ur5gJ6jkqSo5KormOX8Xf8eldJ4Zk8zR9Fk/6dIP8A0XXPeKk8y1k/651reEX3+H9N/wCufl0Xfck/MzQFNl8W/i/Y/vP3fjLUnk8z++8+/wD9nr0G1kritah/s/8AaS+NFr/e8Tzyf9/IIH/pXXabJXkZtzRnHm6n2eU3lQ3INZ/4+KTSpKg8QSeZ5dR6PJ+8rkhFext1PaLmsR+ZH5kdYM8kmyuh1KT9xWF/yzkrKEeT4loa25o2MWCT/Sq0pI/MjrGnk8uetaCfzIK3qSSjZ7mMYt7luxk8v93WZPJ5d1Vj7R+8rM1KTzJ65fZqoOXvbHYaVJ50NR3X7uqnh+6j8h46salJ+7rzfZezq8r2Kgvd5jMnn8yrFrJ5lZnmf6yr+j/vI5K75NOPLbUm6KmpQfvo/Mok/wBXRqv7yeoH8yOpgnThZrUqUlL1Dy/3n+sqCan2sn7zy6jvqvmkXGDiMn/49KxbH/WPWtJJ/otYUEnlz+XXbGTbtLQxk+aVzoZI/wBxWLG/l3VaUcm+CsmST/TvLrS/vcvQNexb1KP9x5lZtjJ5clX5vuVmQSeXPS9n7TaWgpxlzWOh86qM837yjzPM8uq91J+8jrlVFQl8VmDfY04J/wBxWbd/6+rVq/mVUupPLnrWk0p6m0rRjzDP9WlUP9ZJVuT/AI9/MrJjk/f1pKMW+eLsji5nvLczfEcHlx+ZXPabdeXdV1niD95BXETx+RPXpUbzh7rOWSjF83U7eB/MjrMnk8ufzKksZPMgqC++/Ry+z0lubtKW5pWs/mR1pW8lc9az/u6v2v7ySuOcWKMoPS+pfjn/AHlVL6T9/U/l+XPUGowfu/MralJKXL1N537mZffcqpBP+7qxdR/u6oQf6yuz1OOrdy5U7E/2j95RPP8Au6ZdSeXJUf8ArI6fs49iOZfw+pmyX3lyVUkvv3lPng/efu6oyR/v66IpSjaxzzpvfoW49S8uStL7dWFJHsq9HPH5fmVpbujmk2teh9R/8E676zg+JXxF0F3/AHuq+H7W7RNn+s8ueeN//R6V0H7O915HibxRpsnmJJa393HHHJ/B5F3JBJ/6BHXyB4R+MXiX4M+PNN8Q+F544Lvy5IHjeDzI545P+Wcn/kP/AL919Efs0z3cHiaOe/v57u/1KOeSe6n/AHck8kk/nyf+1K6pc0KE4WspW/A+VrQUcRzLc+xtV/eQf89K5qeuon/eWvmVy89efTl7tjXlGTx/u5K4DwP/AKLb39h/z6zyR131cDofmWvibWoJI/L8yTzKU/gfmSdTQ9G+h6dJRlG4Ffy6jkqSo5P9YKZJHUElWJI6jmqY6blFR6gqd6ircm5DJUEf7unvVeqsTcZJTJJKf5lQSUcvJ0HyoZJJ5lV5I6nqvWkYp7aANkqvViSq8n7us5RcpWAqTUz/AK6VPJ/rKr/6ynKPL6GPKluQSVHJH+7qy2KgucU7FlKSoamkjpkkdUSV5P3kdVZqtSR1UkjqopPqXJ8pU/iokqSTfHJUclX6GVm9ip/rKiqxUMkdawsXDTcrzx/vKg8urcf7yOo5JKJNyldGTXNsfBFL9aTFFfV2dMB9FFFdV/afDoSFKuKZ3qSNdxxRTbjPYTPZvhnZyWnh2Fv+eknmV3kcdYXg+1+y6BYp/sV0MdeVj6ilPQ81Nye+gJTqhknjgrh/FfxSttNjeCwj8+b/AJ6fwV5Ek6uxXtfe5EtTtL7VYLGOR55I44408yvOPE/xhVYJIdHRzM//AC3k6p9K841TXLrVp3lnmeR37ms2uujQ928zWFFt802XNR1q81a4ee6neaV+paqW6mUV2J8qskdiilsLRTeaBmt5a7aFDqs2Mxt7hHT74qDbipYfmpLXYzlseoaD8TLy3SCO4/eRx/8Afdep6PqsGpQRzxyeZHXzlZxHaa2vDXiu78N6gZI/9S/+sjrlnQpWvHc4+Z312Pony/Mjpkkf/POqmlalHqVrHPHJ5kclaXl/u68mrTqRd2dejd4sj/1dHl0R1J5dY8ltyo3j1I5I/MjqSH7lJUsf7uumnVuuVLUyb5vIjkj/AHlJS/6yj7PWM78trl+9AgpaSSSpE/1dRF8vxD9paVmhP9ZUkdRx/vP+mdSInl1pLll0JfvbhH9+p5I/+edMjp9YxvLroaWfYZJHT/8AV1LSRx/vKrlfLcNA8z93RHUklEcclaRlGUbkTkuwR1JHH5f+sp9rHVjy499YSaj0LjDm6kf8FPjpkkdPhg/6aVtpN3uTGKiSeXRJHvqT/rpSURk477Gkmo9Cx5nyUR/cojj/AHdEdKy5bpivzfEiSOD93T446Nkn/PTzKkjj8us/s2JjeMrkn/LOiP79Hl0R0S92NnuVJ332J0qT/VvUez93UkcdDjCTvcjlH/6yiOSSiOjy6Je6XZ9yXzOKp6lffZY6n/1f/LPy6ytY/wBfaJ/t1lyinL3uXqTx3XmR1Uk1T955dTx+W8dZM+mzx3XmR/vPMrOElzk1YyjA3rWfzI60rX95JHWTYxyQR/8ATStLTZ/PuvL/AOedOWu2hvTcuWx0trH+7qCb79WoI/3FQSR0ovllc0kuXYjjjqWovLqz5Y9ar0Jl7wkf7yp/L/d06PFP4kqeVD9SKOp4/wDV1HsqxHV8iFzkcdWI46ryVYjqKkX0D+JsSbKf5dFEclVG8t2Ne7sSR1J5dR/8tP3lSU+W24+UKnjqNKlrJ6SsPnT2CnUyOSn1N7biiuUkjqSo446kj/d0pe8UrIKfR/rKk8vzKvQAjjqSOPzKI4P+mlEkflx/6ygdh6VJ5lRxx1LSuLQT/lnUn8VEcdFEnygOqVKjjqxHHvo5uw7CeXR5dM/jqeOsYxvK8h8rJI6JI/Lkojko8vzJKF7u4w/1lSRxx0Rx+XSbK2b5o2ZNyWikjpazS5dih9Mp9Hl1BKCiiSpPLrflfLcoJKI6Sis4uxNwqWin1F1ezRQzfRT6PLqSbhRRR/HWrdo3QWJPLojjo/1dHmVnyynG4WCSOiOP95TamqotRjZhYjk+/UdWJKhrW/vWKG0eZTqb5dYSk4yv0JuQSb6SrHl0ytYzTBO5HJUFTyVXk/d0/wCJsUMf/V1Qer8n7yqclYyXLsBBJVGaTzKvSVUnjrWLvG4FSSOqs1Wqgm+/UckubmFJ8xRk/wCmdU55KvVVnjrbnRJmz1Xkgq3P9+qlxWvOhpWGQf6yrc8myxn2f885KoQffrSjj8yOSkI+2f2Zf+Tffh7/ANgKw/8AREdekV5f+yu+/wDZz+Hsn/UCtI//ACBHXq1cGu3U1k7hRRSeZS5g5RaKKKOW+xIUUUVdmAUUUUgCiiigCGipqSSlr2K5iKiiiouyQqxHVepY6QEeuf8AIDu/+udVLX/UR1f1b/kB3/8A1wkrM02TzLWP/rnWpXMXKjkqSo5KuWhBheJv+PGSrXgf954csP8ArpJH/wCRKg8QR/6DJR4Dk8zw/H/0znkrnL5j86vidZvpv7aXxsTP7mSXTbpI/wDftBv/APQK3LGf56n/AGg7X7D+2X4//wCnrSNLn/SaOqlp/rDUZpCfuX7XPrsq/gBrifuPMqppslX9Vj+0R1QsY9lfNwlI9zmjzWNaeTzIKxW/5aVrSf6s1jSf696uM4yLkuUwb7y456vwf6mqGqx+XP5lW9K/eQSV0SUlAzi+YZHJ+8o1aPy5KPM8iSp9W/eWPmVzRjOUuZM2vEk0P79aWq/u4KxdHm8uTy6076T93WFSk1X1Ku+Wxk/+h1e0393VGSSPzKt2Mda4iXLy+ZhKPLsQarJ+8pI5PMjqDXJPLnqpHJJTgnybhYvweX59V9W/1YqOx/4+qXXI/wBxHJUU9Z8l7m/M+WxQ8/8AcVkwSf6RWlHJ+4rN/wBXPXfGm4yal1OeT5dzak/eQfu6xfM8u+/eVrRySeRWTdSf6VV0qknO0tjS/tPhNKd/MjrJ8z95VuT93HWTJPJJPW8KSceaOwvJ7m8n/HvVC4/1lT2915kEdVLry/MrljS5XzT3JleOyL9r+7qC+/4+Kfa1BfSfv6zlJOVyrTI7qSSSOufkkkjn8uugnj8yCuekk/0quilzSje2hyzttfUsal5kljXF6lB+/rtLqT/RfLrltY/0fy5P+eld2FjK1uhxYiajK0jT0r/UCn3UFVdHn8yOtW6k/cUVE1PextRftI32M21jrStf3clVLGSrcMnz/wCrrKam726Gsf3Zpzx/6uSi6/eQ0+RPMgj/AHlMm/1dc8JtPXY0k1LYxZ/9XJWLH+8n8ytq4rJkk8uSvSp++cMpXC++5UcNWJ/9TRBW1nCG5jF8unUzL6P95WbdfuP3ldDfQeZHvkrCvv3nl1dOTJlCUuuhHJ+/j8ypI/L8ii1/dxyUQSeZ/sVcpXMpXfQ0vhza6bJ8TPCf9rRxyWEl9skjk/6aR+XHX3X4Z+FdpY65YalBJ+7gk8yOOSvg3Q5/7N8SabPH/wAsJ45K/Snw7N59rBJ/z0jjkrKtWcbW6nhYqPv7HUR/8evl1y88f7ySuoT/AFdc9fR+XPJWtL3o2OC5Qkrhb7/RfH//ADz8+COu6kriPHHlwaxpM/8A10j8ynGSltsM6Ko5KI6keua38oEVMkokplbwelwI5P3n7uq7p5dT1BJ+8rWSco3Jk7DJI6r+ZUj1HJWcU4/EMgn/AHlQeX+7qxUT1p8ZL0KMn7uSo5Knf/WVB5dL2nmO5HJUH+rqeT5KZJW0bvoIgkqvJViSq8lTLT4TPmRXpklPpk1TKSRdyB46r/8AXSrD/wCrqCStI3j0JKclM8ypLio6ZFiOT95UElPpkkmyt4vlLl7pUf8A1lV38yrckdQeXVcwR94oP/rKgk/1n7urb0yStKbMLPqV/M/eVXqxJH5lQSSSeZVLWN1oxU/M+DGbNJQ1FfTyk5Sb3sUPH0ooSh665XlDVkiVc0uE3GoW8fd3xVVea6LwTZ/avFViv8KncfwWtoq0eboZ1Hoz3LTbX7LBHH/zzqea6jsY5J5H8uP/AJ6SUSSeXHXjfj7xhPf3j2SfJHH9+vkOadSUkne553s23aK1LXjDx5JqUj2tk/l2/wDerg7iTe1R+e1M316VCMKcbSWp3U6XIFMNJzRzVX92x0odRTeaOa2i2twHUU/FFGnLckZzVm1T5qbb/M1aFvF81ZyTirLVGNSVlYnsV3GtSSGOaOqlrDtkqdxJDHWXtY/ynKpRT94774Y+I/ss/wDZs8n+sk/d16pB+8r5tsb77PdRyf3K998M339paVBcf6ySRKzxkJShzlQqPmsbMlHlx1J/rP3dEkdeNyyNuYjSTy6k8uiOOn1qlySvsZ6/aYz/AFdPkko2UyT93WHtVUlZHZHlkvMrxx+XT6ZJH5klSfcquUUoqQInmVPTPMo8uqcVLRbkR0+EelH+skojj+epJI/LkqlTlTjd6BGXNo9yTy/ko8v56jjqasYvlKpoKWOT/nnUkcnlx0R+ZWlr7FVIkkcfl0nl1J5lSR05RvG5EZNbhHUif6uo/Loj/d0RqU1o9WacyW5J5fmUfx1PHH5dHl76zg112JlFSI4/9YasRxySSUeX5dP8zzP3dEmnG9iItpWJPL/550f6yOpI6P8AWVPtb7Gkvd3C3qdKZHTqiL5ieZC/x1Yjj8yo0TzKfHH5dLlivIqKcvIk8vy6kSo/9ZUif6yrlLmNY2j1DZXPX0fn+III/wDnh+8roXrnv9ZrEk/mf9M6y5SZNLTqT2NrJB/rP+elW5I/Mo8z93Ukcf7uuSF+a9ja3cj8v93Wto9r5fmVQ8utrR466LsUfeNqP93BVOSr8n+rqjJ/rKN9iJJvqEcf7yn+XTNklT1qV9nm6hH5fl09KZHHU8f7uolJRKsP4py4fpSRx1JHH+7rO4gjj/d1JspI46kp3FJxjuR/x1Y8ujZ5dSR1fMEWpbh5dEdPSkrLXqaBViOmR0+OjlFyoKkjqOrCUDswop9SeXUpcuw7EccdWP8AVx1HH+7qT935lO3vcwuUI6f/AKypaijjpjSsSR/u6ko8ujy655XfQofH+7qWovLqTZVxfNG5Eo8obKf+8ptPj/eVPvc1hxdxKmpvl06qs+a9wuOjgp+yhKlqpRiygpI6WiiXuk3H0UUUoS69AsSeX5dJRRWYgqWoql2Vpr3LE/jqSmbKfVXAPLo8vy6KKjlIjqEdOp3l1J5dEnyuxZDRRRUxvIUnzBTo/v09P9ZUn8dHK+jFZEckdLT/ADPMo/5aR1MY825Qyk8v93Uk8dVq1k1HcCbzKhqao5I6x0eyCPvEclM31PJUD1tr2JsRUySpP+WdR05ahYgn+5VOr8lVJPLqYP7ype6VJI6qz1akqpJ5lFn3D1IHTy6qT1bk+5UD1pF2JsUHqC4q3PVSSi/kTYoTVQnj/d1fkqpJJTjLmLkuXcgg/wBZWlH/AKzy/wC/VCH79adrH+8jp315iT7G/ZQ/5Nv8A/8ATPTY4/8Av3+7r1mvIv2Tf+Tc/BH/AF6f+1K9drj+KVywooop2K5QooopR90kKKKKq4goop1TdDG0UUU7FcoUUVDUyfKSFFFFEXzAFSx1FUsdMrmE1L/kD3//AFwk/wDRdZuk/wDHilbV1H5ljPH/AM9I5KxdL/49I6dg5S5UclSUSVRkZGsfu4JKqeAP+QHJH/cu5P8A2nVvVf8Aj3kqj4A/5Bupf9M76T/0XHSasWfEn7WDJY/tkaqf47vwrp0//ke6jrnbWStr9tKIw/tqaNL2m8DRj/vi+k/+LrmrWessxqSfJbtY+syhp0nHsaV9/qaoWMlW7qTzLWsqH55P3dfPwS5ebqfQv3ZXOg8zfBWF5/7/AMutaD95a7PM8usaf93PXDSrRlK5pKVjM1iP95+8o0qSjWf9ZHJUem/fr0oycoGfoF1/r605/wB5Y1Xuo/Mqx/rLHy6xqq8I+QXUo36lCxjjknjrodS/48Xrl7GP/So66if95psn/XOonFL4maXRy7/6ytbSpP8AlnXPeZ+/rZ0eT95U1VaNybfzEHiCP/So6j2Rxxx1J4jk+eOoIJPMjjjrpinKhoiZe7K4QSeXdeZRrnmR2tV/M8y68ureqx+Za+XXHy+zlBIUnfbQxrWT9xWY/wDx9VrQQeXHJWT+7jnr2Ka9/XUiLtvqacEnlwfvKybqf9/Wz9+Csa7g8uSueEkpXaDma8i2k/mR1kyf6+tKCTy4KxZP9ca3hKSlyouN11NqP7lVL793JU8H+r/eVBqXRKmonOSjfYuUnIv2MlQal/rv3dR2LyUX0dZcsKM9NSudfBErzyeZBXPfP9qroY4P3Hl1z08flz+XXo05p6LRHLUta1y/J/qTXPeI4/Mjjrd/grN8QR/6L5lFJez13RhUi+XmKGkyfu66Xy45IP8AppXJ6PJ/pFdZBB+7rXEW6Iypaq5Qgfy5KvxyVQn8tJ/9XV/f5nl+ZWMudnVy+9foX45N8FV/P+SrED/uKqR/x1yxvGV2hytHoZn+s8ysm6j8uSt1/wDWVjalXaqih5HNVV1zD/3f2SqtjP8AvKIP3n7uo44/In/1n7utE7uxzS1Ld9+8jkrnbr/V1vTSeZBWTJB5lbUpcunQizUeZ7lG1n8yrcEnl1Uj+/8Au6n8vZJ+8/1lbXUuhza0+pBqs88EEkkH+s/56V+lnwyvo9S8MaTP/wBOkf8A6Lr82rqPzI6+8v2adYk1X4ZaLJ5n+oj8iP8A7Z/u65MU/dhJbnnYxOTue3Q1harH/pVbsP8ArKydcj/eeZWtM8rmMWSuQ+I0f+g6bP8A88566+Sue8cQeZ4Vv/8ApnH5laUuTm5USSWMnmQRyf8ATOrFZmhyeZpsH/XOtOspe7KyAjkqCp5Kjkroj7wDKrzVJJHUNOXu7EFZ6jkj/d1Yk/d1X/1lY3v8I7ENVpquSR1XkjkrTlYipJTW71NJUEklXGPYiXuleT56gep/LptaXtuWV6jkjqeOPfTJKX2rk2Kj1Xk+erD1A7VenYLkDyD/AFdQS96leqs/+tqb+9YnmRXkplPdPMpnl10x97cOZ9iu9Q1akqCs5R5dyZS5ivJUDp5lW5PuVB/BVRsvfiyuZFSSq8n7urclVJI99XzJbo56l+a6ZBJH5lQSR/8AbSrNNkjk8v8A551UWn8S0Fbl+HU+BKUZpo4NPXmvrKMdbI0Y5jSUu2k2muuopSd2rkCr96u4+Fdt9o8QM/8AcTNcNnmvR/hkvk6ff3XpxVVqnLQmkc9a/Lodz4o1T+yNFupv+WiJiOvBrqd7q4eR23ux616B428VWupaO0Eb5kzXmhavncPSUNyMNGVm5D6bRRXoRbe53DeaOakCFqd5LLSVm7MV0R0VK0O3vRGzK1THSNr6i5uw+KKrf2P/AGasWWx5BW1HHHHHUuTjGyOVycmc7Faurfcq7artmGytX9xP+7/5aVBJB5clJ3fUxk+bdluCDz46zryYr8j1Z/tGSCOsq7u/PkzWsYQk+ZCauyGT921e0/CHVPtWlyR+Z+8jrxJq7/4N6j9n1q4g/gkjrGUfaQlfobRipNXPd45KT+OpI/3dSf6yvE+1c6eQjSh6k/1dEdTOm+W4WsrMI/3lRzx+ZJVjy4/LqCT/AFn7usOXshv3thPL/d0yin0X92wpR5dxnl0+pEg/d1J5dL2jLlaXwkf7yP8A1dSfvKKJI/LjrojK5EYt/EHl+XU8cfmVH5lWI5NlVPmn0Kj7okdLH5lP8yiH78lKLUY3D0COpPM8uiOiol72xnZzlcelSf6uiOP93UlFNLqjZxblYPM+SpI4/Mo8upEqZKK+Fl8oJSRwfu6k8vzKdRGPMc0Je9YbHJ5lWKjjgqSp5YuVkdPKH+rqeOOiCPzKf5dVGUYysZafZQeXUkcf/bSkpfM/551O+xHNyE8cmyjy/wB3vpkf7yp5JKmS5jeK5o3I5K5CPUo455P+uldf/rKqf8I5YTyeZJB+8/66VrKKjuZ2b23Ob/tyiTxA8f8AyzrqE8P2Ef8Aywj/AO/dW49Ng/54R/8AfuudyjzWRrZy+JnHx+IJ5P8AVwV0vhm+u55/3kHlx1pR2scdTxx+XW3MuW1io3j1NOSTzI6jjjpkclT1jJXLuHl0eXUn7yn+X5dK7ezJ17BH+8paT/V1JH89VGPNuHNbcKngqOpawmBPHHUfl/vKI46k/wCWlEdQ06okpE/1dLT446fN7tgCP/v3UnmUtO8unbmLFjp8cdRxx0+pnfoxWJdlHl+XQlP8v93WblzRuKz6MZU8dRx0+tCiX/WURx/vKI6fsqWmuoub3rEkdLSR0tVHmQyf/lnSR0eXRHT07DsS0/8AgplO8us4+6PTuFSxx1F5dSeXRL3hWJPL/eU+lT/V0mynJXCwVLRRTv3KCin1J5dOSaJsR1J5lJRWMbR6lBRSx1JWnNF7AJHHSpT/APV0Uo+8TcP4KKKP9ZJWfKpysacoU6ineXQoSj8JI2nR1J5dPjj+SkSVqmp+yhKTXM7Iok8uo3qWinKLjsTYi2VJ5dHl+XS0+VjsJ5dRVL5lEf7yiUOYcvdK/wDrJKJI6sSfu6j2VpH3SbFamyVY8uo5I6fMiipJHUckdWHqvJWej1S0JuMqnJ9+rclQP/q6cY8pUveIJJKqSffq1JVWSqld9SbFSSOqj1bkjqnPRzcoWKsn7yoJKtSfJVR/9XV2YijJHVSSOr71TnkqYO2j3B6kEcf7ytK0/wCPiP8A66Vmx/u5K0oKqScTOXvKx9d/sm/8m7+DP+mcEn/oySvYa8b/AGRf3n7Pvh7/AKZyXcf/AJHkr2SuXrc6eUKKKdSl7xI2inUVUXcQ2inU2pL5Qop1NoDlCiiipjKxIUUUVQENFTUUFcoUUUUS90ktRx+ZHJ/00rntD/eabHXQ2tc7oH/Hj/20qr6XEaVNkp1NkpkmZqsfmQSVk+AP9Rq0f/T3/wC062tS/wCPeSsXwB/x9atH/wBc5P8A0ZVcpR8Zft3Wfk/tTeBbztN4Rnj/AO+LtP8A4uuAgkkr0b/gon5mn/Hb4K3UcfmR3enalYyP/wBc/Ik/9krzmOPy5Kyxdowi6jsmfUZMvdnE0/8AWQVmQf66tPy/3FYsf7uevmaXLLn7H1E48h0sEn7isK6+SetW1+5WTff8fUklcKoctS62JfvGbrH7zy6qabJ+8rWvo/MjrJh/1n/POvVjKLpctjUtzz+XJVu1/eR1BJB5klPtf3dYzqvsZygolGCTy7qustZPPgrk5v8AX10Fj/qa560XX2NUu5y8/lxyVf0qT95VC+k/06Srej/vJ62ko04c3UzjUctw8Qf8s6gtY/3dW/EEn7yOqkEn7utcPGVSC8h8xH5f+lVY1iTy7GoJ5PMnq1qsccljRUcluhc/u2MaCTzI6zZP+Pir0H8dZM3/AB8V0U/cmZS1VjatZPLjrN1L/WVatZKqX3+solGMp+Zfuct5EnlyeRWTPH5c8dbUc/7usW7/ANfSpTlGfIxX6rY0o/L8umXUlEH3KLv/AFdN88qmhPMx9jJRq1MtJP3dP1KP93WdWH728ma8xR8ySOCsW6k8u6rajkk8usW+/wBYK2i0tmYVFpdbk8n7yOqOq/vLXZVr+Cqt95nl1tSU2+boTP31y9TB02Ty567C1k/cVxkcnl3X7uussZPMjrprqz5nsclNPmsVLr/X/wCr8xKt+Z5kfmVXvv3clSWskfkVL961uhfK+5fsZP3dHmfPsosZP3lEnlxz1hGUoytI6J8xUuvMrF1KGTy62r6Ssy+/eQVrJc0r9TGpURm2MkkdRzyeXPS2sfl1Xvv3cldUU3K0mcsneV7Gt/rIKxZ/+WlX7WeTy6qSR/6zzK0iuUmcjJh/4+DV/wD1lZs/7uetKD7ldNvduccve3Hzwf6PX1x+xjqvn/C+0g8z95Bd3fmf9/5K+RJP38dfR/7D99J5fiGw8z93HP5nl/8Afv8A+2Vx4yHNR0Z5+MpqNtdz7Jt6qax/q46sQ/6uo9Sj8yCpowtG6PJ5TnpKyfEEH2rRruCP955kclbT1Xkgjnj8v/V+Z/y0rtsScR4Rkk/sqPzP9ZW95dc14Ln/AHE8f/POeSuojkrilFSq2ZNyOmVPJJ+7qrXRAoKpvH5clXKryR760i1LYm5Xkpmyn1BJVWvsTYZUclSVHJU+zXcfoVJKgep5Pv1HJS5kCio7leoZP9YKnkqOSOnH3h3IHqOSSpJI6jkjqyblSeOoJKtyVBJ+8qrjKb02ToKmk/d1BJVyfMKxUeo5P3lWJP3lV/8AV0U2KT5SCSo5PLqxVd6sLe7cgk/8h1B/q6nk/d1A9KMeUmPvFP8A5aUySP8A5aVbkjqpJJWsH73L0IkmlYrVDPJ+8q3JJ/yzpkkcdWvcHJcux8AU8Uyl5r66Dv1+4zHtTN1PPSm9zW8m72uShQa9i+GunhfC7F/vySPXj2K+gvBFr5PhaxT/AGPMrmxj5aPvGU05NJHknj6xj07VRGi4DjfXJmux+KDf8VGY/wC4mK4+vLoNSjqVRVoIKcq7mqP8KsW8ddUXKOxrJ2Vy1DCZasfYavabB5lbUehyTx1lNxl1MY3l8Jy7WRVMiqjQGOTmuok03yJKyr2131dKMY7M0lFxjdlSFtvzLWzHeI8P/TSsSP8AdfJUUk22tpShy2scbjzPQvTTfvt6VIuoF/kes3zU21Ezfx1yqTjG1x+zL11cfK/9ys5bnbRJMXWogK6acHJWN4QSWpYjldxXW/DW++yeKLNP+ej7K4uPqa3/AAhL5fiSwPpJvqeV03oElbY+rkTzKWorX/Ux1Yj+evnXeHXU3sgo8upP+WlRyR1PMZz5pxtYPL8uOq++rH+rjojSnNrlsVGEo7Ir7KI4/LqxUfl+ZWcYxkO/XoSUR0f6un+XVJ8suVFQlpcZJ9+n/wCsqTy/LkjqTy4/MrWKcZk2XOEcf7uk8v8A6Z1YjqKnFpK4cy6jY/3kdWkpkke+iOsZNy+EfND7RJ5cf/LOj+Cnx/vKk8v/ALZ06cnB3kRyrdLQj8urEcfmR0SR+XHHRH5kf+ro538iYy+ZPHH+7/eURyeXJ5dRxx+ZVhE8usrGs2Nop0f7yp0rWM3GNghFkfl7P+WnmU+lj/1gqSP95USk30GEf7un0yP/AFhqfn/nnSi+UiOnwkdWNlEcdSeXxUT+LmOiyttqJ5dWPLpvanR1XNzk8oeR5dPjjqSP/WGpKOZCtbcjjg8upP8AVx0+OOjy6jlNLjI4/Mp8dSbKkjgqhBH+7qfzKj/1clSVPKRzRH1YjqOOOpKnlLCSpI/3cdR+XUnl1oWH36njj/d1H5fl1YjrIzl7oRxyVJHTKmSo+B2Q3aW6GU9KP9XJUtVYrfYdR/FTadHR70OhUESR0lLH+7ojqeYLkn8dTx1HRH+7qPQQ+pY/3lR/6ySp4/8AyJTvfYdwqWk8upI6jmcxcoUeX5lP8v8AeUR/6ytIuw7Ekf8AqxR/BS06rsIWOOn+XRHRHWclcNCTy6PLqT/lp/rKSueLnEqL5QoSipa25v5hXCn0yn0orm3C4U+iirlJIoXy6PLqShKWn2kAU/y6KKzejuAeXR5dOorW9twCnRx/9M6bUv8ABWLvLqK4f6uloo8yujQY9Kk8z93UVFRy9gJqSOiOOn1jOfWwBTadj/pnR5dOMn1AKPLop9agMoqTzKj8uueVohp2Gf6yo/46n8v56bW0FaPMwK8lRySVO/8Aq6g8up577EEclQSVO/8ArKY9ONpbsqLsV6rvViSq71pNPuSVZ/8AWVXkq3P+8qCeOlH3ipPmKM9VJqtzx1Tn/dyUStHbcVypJ9yqslXpKqSSUte4ii9UJ60pKqTx1pyoCCCP95V6COqMH+sq/A/7yOs+fWwb7H1v+yG/mfAHRf8Ar+1L/wBLp69krxf9jv8A5ILpsf8A1EtW/wDS6evZ46wj7xryi06iiiWhIR0UU+gBlNp1Hl0Fco2nUUUByhRRTaA5QooooDlCiiiplHlJCkjpadHVFcpchrmtH/dxzx/8855I66WGua0393cXcf8A09yf+jKszNGiiigRR1KPzIK57wP+71zVo/8AYj/9GV0t79ySua8G/u/E2pJ/0w/9qUDPlz/gotp+/wAb/AvUv7mo31v/AN/LX/7XXj3meXJXv3/BRaHy7D4PXX93xPJb/wDfyxnr5yn8zf8A6yoxlJOlCUj6jJ5L311NqOfzIKwp5P8ASq0rWfy46xb6Ty56+bqQ5PfjsfT2mdDYyVU1WSOOepNKn8yOoNf+/HTpPmnbqaQILqfzLWsiCT95Wl/y6VlST7J60v79uprFRcr3NKefy46ksZN9VJ7rz46NNn8ueOsOV7vYzk7uy2C+/d3VdDo//HrXPal/r66Hw/P/AKPRiHalFw0sa0lGRy2s/wDIUuKt6VPHHUHiD9xqs/8A00/eVBpv7ySnKCqR5uhj8ErFvxB+88v/AKZ1UjqfX/8AWR/wVUtZK2oPlh7petTYJJPLkrSupP8AiW1Rkk/eVPfSeZY+XSqQcpRd9zFRUDFgnqjdP+/qe3/1lVL6PzJP9ZW3IpT97QxkuYt2v7yo7795Vixj8uOOqmsSfvI6IxtO8dUbR5Yx5UTw/wDHvWbfR/vKt2nmeXVC6k8uSrjHllcRft5P3dRz/vI6jgk8yOpLqT9xUzl/KEWowCxkqe+/eVRsZv3lW76STyKqUeYrmI45P3clc9qX7uStKOR6xtUn/eeXV0qajKxyVZcvoXo/3kFQXUfmQVHYz+ZHRPJ+7rWUXFvXRDjJyjc5uePyJ66XS5I/Lrnb6OTz99a2lfvI463m1UjzPY4k1GpZ7l/Uv9X5lVLX7lT30f7uqlr996Kbjy2idEpKRp2s8fmVJdSfvKoWv7uSrd1JWU6TqfEZ8zK91JVSeT/R6sXX+oqhJ+8jq6UFE2jyy3KEcnlyUalH+8jqD/ltVvUoPMgrWS5XzdDjqRa3I7H93Bs/5aVBdR+XUljJ+8ovo/3nmVvcx5JdWZM8f7yp45PMj/551Bffu6II5JIK6mrxvYzlHl+Int/uSV7d+xrqv2Hx5rVhJJ/r44PLj/7+V4jAnlyV6T+zLdfYfjpYR/wXf/tOOSuOqnKlOK3OHFcvIfoZa/vII6nuv9Q9VdNk8yCrUn3KmhzKKb6ngnNvVf8AiqxP9/y6ryR+ZWrbl1Eee6H/AKP4m1a3/wBX+/kk8v8A7aV1uyuauv8ARfiNJH/z0tI5K6XfSnH3uYLojkqOpJKjq+bsSRyVHsqxUclKPuxuO5Uk+/UEn+rNWJJKgpxk2UV/L8uq8kdW5I/3lQ1XOyCvJHVerD/6uq9TKPL74DHqOSpN9V5quPvbB6DJJKrySVI9JR732QKslQSVbdPMqpJHW8Zcu4rFeSoH/wBZU8n7uo3qWrBYieMVXk61amqrV8orFOSOlp8lRyVFx3KklR/6urFR/wCsTy61jLm3Js4FCT56KkkjqCStPaRJ5SvN/rKZJHHJT5I46ZJH+7o32Mbe/sfAIw1OWmU9TX20LXt1AVqYSaftpK0lCQkTR5kkVf7xr6X0e1S00ewj/wCecEdfO/h+z+261ZwY3b5AK+h7qeOxtZJJJPLjjjrDM5ctKMZbM5KtTkeh4Z8SrqO68UXPkOJI14yvSuTq9rFwLzU7mZfmV3Jqg3auClFKHkdNNe6h/wB41p2afNWfEvzVp6dJ+8q1G+2iB6ux1mh2sddnpVj5klcnof8ABXfaHJHXPXj1tod9GKRm654f8+PzI4/3lcZfaV5cle4wWsc8FY2q+C0vvMkjrzqOItKzWp0SpdkeBalY+RJWLNlXxXqPiDwXd2skn7iSSuT/ALD3yeXJHXsQmn8bPOlTcHqcwrbTThNVjUtPNldeXVdomjquWM9tiGrbke6jdSUVpGHK7JFDkrpPAsPmeK9NH9+SudVa6/4X2vn+NtJH/Tesal3GVnsZSPpy3/1cdT7NklMjk8upPL/eV4MrR+JFScY9Sby6Y/8ArKI/3cf/AF0ojj8ySueOkrdAlLm+Fkc8nmVDU09M8ugXM3sMp9Ecfl0SfPW75Yw8yo6BH9+p4P8AV1BU6Vk+VSvHUiMlHoSJ/q6fHR5f7uiP95VSU38Whf8AhF8um1LHHsp9ZxqcvUcnZXF/gojj8uo/LqeOtOddNzONo/EgT/npUnmcUVJ5dVF825rfnjboEcf/AJEpKk/1dSR/vP3lYyjyk8kegR/vI6kkokjo8uT/AFdF12Cz+Y2rKVH5clSR+XVycZdSotx6kkdSVH5FTx/u6XKVGKlG4lS0f8tP+mdTxxx+XWUvdFvGyI46k8z95Ucf7urFVcqLv8RH/wAAqeOOmR/u6njrOau+ZbF+gf6upP8AWURx0+OOtpWj0HcI46lqL/V1LWPMZx90Km8uTZ/rKZH/AN/KnqY80jW5GieXVj/WUiUv8dKPuysLlQ+P93Vjy/MqPzKkjoI5X1COSpEqP/WSVPHVyipGuhJHHUdSeZQ6eXWdrbkyfKEdTU2Op/8AV1WnYLdiOP8AeVJ5dEdPojLl+ImEAooqSOplLmNHoSbKI46fR5dRZLcB9S+XUVSp/q6fqARx0+ipI46m9tx2JI6I46PLp8dS2pbCEpfMo/1lT+XVRXKA2n/6unx/cqPy6nnfNYdyTy/3lSVHH+8qx/q6nmkCdxEqWikjrW4NXFoop9ZzYWCOOpPL/eUR0lEXzfCVH3QqWiijl+8Ao2U/y6dRyylvoTcdHHR5dNp3z1UfdC3YfHH/AM9Kk/d1Wqyn+rrFytuUJTfLop8cdPQVg2VJHS0kda/ZsXzEb1PHTadHHSjFrdkhRT6WOp5dbiuJTKkkpKib0vYYUvl1JsqKsuf3r9AGVJ/rKJKSteXnjzE2FkjqGpaZJWmvVGnMQSfvKZT3plF1ayRBXkpj1PJUdCio7DK9QSR1YkjqvJVPTfUCpPH5dQPVuaqElZe07gQTfcqpJVuSqk8mySj2a6ES1KklVJ/9ZV96qSR+ZV36dQKk33KoSVfuKoTVpFWVmGhBH+7krSgjjkqhH/rDV+D93V2QH1h+x/J5nwI02T/qLat/6XT17RXif7G//JCLCP8A556zq0f/AJUp69uriNeUKKKKcdSST/V1HUnmUf6ynJWK5hKX/WUlMouSSSVHUklR0yQptOokqDTmG0UUUFhRRRQRyhTo/kptOjoDmLkNc9Y/8f1//wBd5P8A0ZXQR1hQfu9Sv/8ArpJWkCS1RRRVcorFa7/1dct4Z/d+NLv/AKaWkn/oyOusm+5XJ6P/AMjx5n/TpJHUfZ5iuU+f/wDgpNN9i+HvwuvvL8yODxzaJJ/wOCdP/Z6+bLr95JX09/wUltfP+BPhef8A54eNdKk/8fkjr5ouvuVlipN0YWPeyV8s5jIP9ZVPUv3klXLSTzJKj1aP95XgXlTn7yPrLst6PH5dP1y38yOs3TZ5I561tSn8yCpqR5Gp9Gbxg1HmRix/6g1kv/rKvySeXHWTJJ+8o9nLuRGTfxGlH9ymQSeXJRHJ+4qvD/rK6KUXGPKbRTluW76ar+j33l1mXX3KXTf3clclXlkuV7hG0eg/WI/tWpSf8tKk02Dy56juv3c9W9K/eT+ZWcrxhotDS1o3aDxB+8kjqjBHV/xB+8kjqhBJ5cdFCouS3UiCCSP95U91/wAeMlVJH/f1buo/9Bkq1CXUx5X1MKCOsy+8yOetOx/1n7yqGpf8fFdsdZXmYSvHqW7GOjUof3lSabJ+8qPVKn2v721wipyCD/j3rNvofnrSsY/Mj/1lUNVj/eVu5Ln5lubxfLuT2sf7v/WUs8H7uq+m/vP+udackfmQVnzLn99EVIroyhax+Y9T3UH+i0y1/wBZV66/1Hl1hKrap7mxppy3OYrI1SCSuh8z95WTqv3K9Cm1z6rU5Je9r0KmlR/u6nkjosf3kdWH/wBXWlVWnbqYRvGN7mLqtr+7qTSv3ccdT6l/qKZpP+rNb68vLbQyiuaVnuXrqPz4KzbWCSOStKOT93VDzv39YQcYbI6ZQcZWZYgj/eVbu4f3FV/Mq28nmWtYzlOfQv3DNf8A1FVI499aUP8Ax71Rj/dySfvK6IqT6mPK4yutTFn/AHd1Vuf95BUepRx+Z5lG/wAy1+Suqo5cnuq5zytKW2oyCn3Un7uqlrJ5d1/0zq/fRx+R+7o0W6MZRlIybqD93Udj5m/y6sXX7yCqlr5kclbSVxcihK5b/jrZ+Gsn2X4qeE5/M2Sfbo/nrm/uTVbgk+y65pN/H/ywu4J4/wDtnJ5lR9mxx4iDlB8vU/UrSv8Aj3q9J9ysLwjdefpsEnmeZ5kEf/ouuh/1lctB6XufOcxz11H5c8lU60NSj8ueSs+uyz3WxJwvi6OS38aabP8A8s5II4P/ACJJ/wDHK6GOPzKxvHn7u60mT/pp5dbMH+roryXLBgEkdMkqR6ip8r5bisQ1HJ+7qeo5KuKtuSVJKhqaSo6UXCMrAQSR1BJU8lQSVUVcdiPfUHmVPJHHJUEn7uStI+8Ig2VHJ/rKnqCSOpsO5DUT1JJ+7qKpneHQLDZKqPU8lVJI5PMp04/ziI5P3lQSfu6sNUEmMVtddERL3ivI/mD3qu9XH7VWkqY+8TKNyr/q6jkqaoZP9YK05kXFcpG9VZ6tP/q6gkj8v/ppR6E++VPLqOR6sbKryeW9acgoy5ip5fmUSfu6kkj2UyStIw5naMjn15720Pz+20qihRTq+4hFL32NjW70L2opc0otSdxnUfDu3N14ssz/AM82316B8TvE0FlpU1nG/wDpU6bDsrjPhev/ABNriX/nnCTWL401Ge/165M7ZZDsrgx16lSEW9DgvKVflWyOe6U4fNRRUwktlseiWYV+XdViGbyTUK/ItRS7nao+KV+hhuzo7PxCLXtXVaL4yhlkwX8uvM/sb0n7yFvertHrsON07xkfS3h/WI5I/wDWfu67PSr6OevlfQfGd3pfyCTivUPDPjiSR45PM8yvKxGGknzpXR6+GxTi7SPbpLGC6j/eR15l4x+Gv7/7XYf6v/nnXUWPidHj8zzKtya5HPH/AKyuKUpRlzLY75+yqavY8V1XwHcXyR+ZH+8T7lcV4t8Lz6C0fmJ/3xX0xPPB/wBM65P4gabB4g0ry/3fmR/6uuijiK3NyvY5MRQha0T5oPWkrS1TS3066kiK42VmtxXsKtFnjp82xYhXdGa9K+COnfaPFPmf88PnrzWJdny17p8DdHe10+4v3Ty/M+SOSsZSjThKo9mRrKVkeveX+7ojjojk8yOpI5K8L7PN0LlG4f6ujzPMp7yUR+XWMvdMJTXXQqz/ALuo45P3lW5tnmVU8urpvuapX20HySeZRHHSVLJJXRFPn97RGnMuXlZJJ5dJHSp/q6kSPy5PMrCXI5XWgreQn+soj/d1JRXVrD32Gyuw/jqSOOiOOnxx+XXDqpXYpXl1DyPLqT+KiiOrg/etfQObyJP+WdSJUcdSbKiWsrF37CeZ5dKlGyp/LogZRk4jasxx0Rx0RybKJRcepXK577iVKieZRHR5fmfu6z5YzHGLluyfy/3dSJUVFKMZOVjXmiWKI46WOTZT0PmVpJcu5XMg/wBXJUnl+ZRU8dZxm47BzRI6kj/d1HUkdUGvckjp1LHUtTzFRVxP4Kf5dMSn1c5IXIhY4/3lTx0eXR5dImXIyTdT/LojqTy6zjaPQuwR1J/yzpiLTqUveESpT6ZT/JojddRyfKEcdWKKRP8AWUEN82wtPj/d0JUtGsOptGPNuJ5dWI+lRRx0+pauTYKloSpP4Kmco9RkdTx1HHRRZfIdixT6jhqxHV8rCwtP8ujy/norKXvS5QsOp0n7yk8upapRUY2QuURKfTadHWLlbcskjqdKip0HyVVNmUpRjuSRx/vKkqJ6Erbmj2Li7kkdSVH5dSR1nLXbQ05g/wBZRR/FT6nlIFjjo/5Z0R1Jsop37Dl7wkf+rFSUzZT/AC/LqvLqAR06mx06nF8wE1ElFJ/HWfKzQXy6dSvQlZaE8wbKkjpaTy61asZ2H0P5dFHl1epQR0+meXR5dRJcquPlH0vl0f8ALSpKfMPmIqlooep5u6DlChKKfVcnkRqMooooi+bTqMj8uo/9XVio/LqgI6g8vzKnpnmeXU8y26gV5I/3lQSVP5nmUySovICpJ/qxUclSSVHJW1gIJI/MqpJHV+qdxWdrqyK5SjJVOarkkdV5JPLq6aYcxReq8lWHqvNTlHmJKNxVSSSrz/6uqkn+rNV9nlAggj/eVfjqhBH+8q/HRyrlsVzH1L+xp/yQuP8A56R67rP/AKcp69xjrxH9jv8AefBmT/sO6t/6VyV7dXFFcpYSU+mUVRHKPopfMpKsOYZJT6WSj/lnSuSHyUlL5dH7uOpAjokqSSo5I6CuUI46KkjqOnYOUKbTvLptRzEhTo6KfWlhEqf6ysX/AJjF/H/t1tJWLH/yMep/9s//AEXVxVyuUv8Al1FU1FPmJKc/zx1yem/u/Gkf/XOSuvnj/d1yFrJ/xXFh/wBNJP8A2nS5fdsbHjH/AAUf/cfs0x3cn/Lr4n0mf/yPXzTPB5lrH/y08yOOSvpj/gpV8n7LlxH/AMs31/SvM/8AApK+ao/3mmwf9cI//Rdc+Kpv2MZx3R7WULmqzRUsbXzJKZrlj5fl1PayeXJUmsfvI468SU0q1t2fXNqUbIxbW1k8+Py61rq1k8iSoNN/dyVtTfvI5I65q9Zyl7F6G1NPltc4+P8AeeZHJWZdR+XJXQyQfvKyb618uStY1ZR+LUfKxkEf7uo44/Lkqe1jpkkf7yrlT5b3erNY26E90nmQVBYx/vKn8vzIKgtf3clc9oqGrHGPMP1X93JRpV15knl0axP5kkcn/TOqmlSf6V5kdJQjKh7pE2W/Ecn+kRyVUgk/d1Jqsn/PSoI/uU6dHlhfoTFSk7D/ADPLuK05JI/sNYskn7yr8k/l2slOo7csI7IrXuZMHl+ZVDUpPMkoguv3klVL66/eV3Ri2YzjfY1tN8uSo9SfzKqWM/7umalNThTV+bqH2bot2Mn7uqmpT+ZJVSO6qpdT1tTo+9zE35zStZ/LrW8+P7JXLwXUdW5J/wBxUYqkzG75bWL1rfJ59a00kckFcTBd+XJVr+0pPL/1lTPDvl5rkQmi35nlz1R1yRI46zJ9SfzKqalqXmR13U6V+Xl1uTUkuXlLFjdR+ZV6OeOSuTg1iOOStOPVY665UuV7aHB7X2bs9jWvo/PgkSsnSv3Ekla0Ennwfu6qQR+XJ5lc13GVjRWb5k9C3vqpH/rDVuOT56rz/u565FJxlZs6Ptc1ySSp45P3FVJ/3Hl1L8/kPW0Y36hVjd8y0ZFBdf6yoPM/f0yCTy/3dU5LrzJ63j73wnNKfLuypqs/mSVJayfu6gvv3klRwT+XXTFXjbqYyqcr5nsH7tJ61vM8y3rnpLr9/wDP+7rSgn8y3/6Z1bp80NWP2imrEEnmfvKqQT+XPViR/LkkrIjk/f8A/XOjljy2M9YO9y/JP+8qO+upI7GSSP8A1kcfmRx1HJH5lSTx+ZayR1UYxUeVnPWkowl5n6afCu++1eFdNf8A6YbK7uOvHP2c9Sn1L4a6LPJJ5kkkcfmSf9s469fjrzKUuX3JHzpm6r9+smStbVfv1kyf6yvQm1y3uZHJ/EKP/iTwT/8APCeremyeZaxyf7FSeNI/P8M3/wD1z/8AalUPD8/n6bB5f/POsJa/EVymtUEn7up6Y9VzMkryVHJUnl1HJVc6Agk/ef6uoJP3dWnqrJH5klVFc25HoV5KZU+yoJPkq5K+2g7Fd6gkq3JJUEkdVHQLFeSmPRRJHTegipJ+8qN6sSR+XVd6onmS3IJPv1HJH+8qxVeSk1zbFR1IJJKgqaoJ5P3lRf3uUNCCSoJJKn8yo3TzK1UeXYqTuVJP9WKZT5I6ZJVRXKZRjbcjkqCSnvTKUVzSuW9CvJHsqCSrdxVSStqbXUzvAgkjqN6nqpNRvLlWxNRLlufAHNG00mWpwr7yNpdzESnJTaAKVJ2ldDPRfhPblpNRnP3PL2VwOqXIu9QuJl+67k16F4Jc6b4D1u6X/WtwlecSLtrza9RyxLUuhzU/jkyKnxrukUUyprVd0laU9VdnTJ6Fv+Gq+5V+/Vxrfcn7uqE0T7+awU05WMYx7kougq4xUU03mDG3FNaN1/hxSKu+tZRpxjdFqKWozpXQ+H9WktpEj7VgL0rb8M6f9s1SCP8Av1K5pK7Y5Hqdjqs8drVC68YyWvmfvPLru7Xwd5Gj/vI68I8U3af2pPHXBH2cqvKlqdlTnpq7Nq8+JOoM7mORxWdJ461WbrLXL+ca6Tws2nXFx5d4nH+3Xb9Xi/gWp585TteTuKt9/aB33aeZvpLzw8oj8+A5j+/XWT+H4JI/3FGqab/Z/hm6n/2KVRQ5BKm47nD+GdFfxR4htbFOEkf53/uJX1VpWlR6VYwWkCeXHH+7jr58+DsKL48s/wDrm9fSsccleXjH8EI7FRV9UEEdSeZ+8/6aU6pfL/5aVwyil5m1yCpI/L8yp4I4/wDlpUckdZ/H6ETiuq1KNxI8j1H5flyVPJH5cn7uj/WSUoytszSMOboPj/6aUeXUkdR1rH3tyVHl2JY46bSyf9M6SsI03EcqqW2pL5f7ynpUCfu6sR/6wVvze7vqTyoTZVjy5P8AtnUfmVJHTv8AzbijJp2YfxU+lj8t5Kf5f7us7r+U0k7+oySp0/1dM30+OrkpPdChJknmUR0eXRb0qaXNcjXqifZSUUscdOfvvm6Gt2SRx1OieXUfmVJH+8kqZU1HcrmiJUvl+ZRso8z/AJZ/886yJlpLl6A9Txx+XHTqdUxbl0NQjqxVZP8AWVYjq4ygtyIx5g8upI/+mlFPjrOUr7aBYII/MkqR6Wk/gq+tyx8dL5fmUvFSQ/6z/pnUSlzbaC97uOjqTZ+7pNlFOm/aDs+xJHViOOq/l1YjrNq5YeXUlRVYjqvdM9twjqSOSSo6kjkpD5SSnU2nUpKzuVG76BViOmR/9c6fUlXfUfRRUtGogSn+XRHUnmU4u4EdWI46I49lPqUu47h5f/POpaTzKkplEcdSeXT46Snp2JsLHUtQ1LspBzIsRx0nl0xP9XUkclYyglMofHBU8dMj/wCedJWsnykEnl0tFFZWtuVoFPjoop8wBUkdEdSVQwp9FFZ8vRbgR/vKk8v93RUkdVqt2VzBHTaKKoIy5SVP9ZViP95VeOOpI4/LrGV5dSLktJ5dLTqOV/AjXbcbTvLoo8yp683UzCn0zy6PL8urjePQrmJP9ZSUsdSbKJe8VHQKP9XRT6cbRJ5hj0U+iq5kSFFFFVLQrlGPRT6KiKcSRj0PT6Y9TKbRXKRVDJJU1QyR0/jLI5I6gkqeSSoJKrmMbkD1Xkq3JUElFhWKb1BcVcqnJUx97YLFSSqs9XpJKqTx1rGV+pRmT/fqCark1U5K1Ageqk8dWJKqPWXM3K6Arxx/vKvwR+XJVCCP/SK0oap+9uK59Q/sb/8AJGZP+w7q3/pdPXuXmV4d+x3J5nwhu/L/ANX/AG7qX/pXJXuNckfdNiTy6j8uipPMqyOYSiljpKVw5QqWoqKksKKKKuPvEcoUyn0slKxJHRUn/LOo6IqwgoooouAUUUUWC5YSsKT934jv/wDpp5f/AKLrdSsW6/5GOf8A6aQRyUXK5S/HRJS0VpzE3K0/+rrjP9X440n/AK7/APtOuzn/ANXXGX37vxjpMn/TeOqGeO/8FNbP7R+xf4ynR9j2t3YTxvH/ANfcdfMkEnl+HNNk/wCnSD/0XHX15+37o39rfsd/E+3c7zDYx3X/AH7njkr5DsZPP8OWH/XpH/6LrHFRf1fn6HvZTK1SZBaz/PU99J+4rNjk8uSrepSeZa18xKpHrufWw5tupQtZ/wDSK6XzP3FcXHJ+8rqbWT/Ra56tKdOrzLU2jJx3Mmefy56zL6TzKv3Un7+qF99ynyvmtcu5BayfvKkupI/MqvDSz/u5K9F+87pMXKvjLUf/AB71BBJ+8qPzPMoT/WVzwi+aUejKpyl1LGuf8ekEn/TSszTZ/LkrTvo/MsaoWMeySjl/c+zgtTTkXNfoGqyeZJHUdrJ+7qxqkfmVXj8vZTpVvc5HE25b7Igk/wCPitK6j/0WSqPmfv46v3f/AB4yVWKlGPJyrU5ZJs52P79Zt9H5j1pR/vJKzb793JXoUYuTu3Ywlp8JPY/u/wDWVJqNR6b+8qTUo6KjSqaq6KlLljdlCP8AeVRvqv2n+rqvfR7PMq6VRSlyxOaV49ShB+8q/wDvI4JKjtYKsPB+4rWq7DioyjzLcxY/9f8A9M6t/wAH7uo44I46t+R+7rab0MJRUt9zGk/eSVQvoa0pIPMnovrXy4KKVRR2M/Z3jzLc4ybzPMq/BJJV+1sY5560pNNjjkrolU5fiORxjN83LqJpWpRwWskckn7yrEF9HP8A6uua1zTZPM8yD93Uej/u/wB3/wAtKiUYy99OwSc4+4dha/vJ6v8AlxySVhWN1J5n+rrW/eR/79ea6Vpu7vc7YpsfPB5lWI7Xy46jtLrzP9ZUl9P5cdYypzlLlOi/8xQex/efu6zbrTf3/wDzzrd02fz46knjj/1n/LT/AKZ1105cnuJXMp01M5PVYPLjrMgtZPMrqZ4/tUckdZkdr5clbardnLUgr8phX0HlyVftY/Mj8up76x+epLG1k8v95WsvehuZxgkYt1B5c9VJI/Lkra1KDy5KzLqP95WlN+7Yw0pyuwj8uSP/AKaVY8j93VeOP93U9pS5XzXuYyan0ufbP7H+sf2l8K7TzJPM8ieeP/v3J5f/ALJX0XHXyZ+xFqXmeEdWsZP9ZBfSeX/5Dk/9qV9Zw/crzorlqTueBUKmsR/u6wpI66HVf9Qawnrua5o3RjymT4jj8zw/fx/9MJK5rwd/yCv+B12d1H5kEkf/AD0rhPBckkdrPH/zzkq46w94k6mmPT5KY9PlERyVBT5KKzjaO7FYgkjqu6eZU70ySOum/YoqPUElWpKgkqNe4adyDy6jk/eVJJUElVe+xBX8umPU8lQPVDTuV5Kr1YkjqCSSOn7ouVEH+rqP93Vio5KbXKOxXkk/791BJUklV5KvlFoNbFQSRirMlQP/AKunyktWKj1BJViSopP9WKzsiSCSoJKn/wCWdR0zQqSVB89Tv/rKgk/eVvJ3M+bsQeZUckdSSR1FWtO3YiWvxH59g4p4o4NKK+5UXHVvQyG0u6kpVpwl71kwPTtDtivwlvZF6ySPXmc9e0eH7Lb8K2g/56JJJXi1ydzV49WzrzciIaoiq7ZrVKr1t91KUZK3KFT4To9KsfP/ANZWnJ4f+1SfJHVfQ5K7vSrXzI6uonB80Drw1H2xycfgtHTZsqB/BZj/AIK9NtbH/pnU8mleXH+8jrh9pyxvqdE8JHseQv4JMff93Wr4Z0eOx1aCT+5JXQ65dRwSeXHVfw/+/wBYg/66UUq02KnQjTqe8e7XUfmeH/8ArpHXy14t8E3/APb1w8cfySHNfUN1J/oMcdcvqWlxz/8ALOuejiOSrJpbnqY2k6iil0Pl+70a6sXw8dWLTR7pU88LgV7fdeC/tcnmQVYsfA7yffr1pY6n00PEeHblys4/wXaXF9HHHJ5lXPits07QbeD/AJaTSV6RofhWDSo5P+en/PSvHfjBq32nXY7SP/VwR/8Aj9ec6vtq/ubE1qLhGw34L2vmeL0k/wCeaV9GweZH/rK8c+C/hme2JvJK9m8zzP8AV1OMcXOy0ZhCK5feD/WVJBJHHH5dHl1HJXnRknG1tRJXdloT7KZPJRHRNJ5fl1nH3Tbm5d9WV46kj/d0yf8A1n/TOnx/u46zjFRFd9GEknmf6ymRw+XUb/8ATSp4/wB3XTJNbCjJSjZknkJRUnl+ZHSbKiXtI7mK5I7Cxx/JUlJHJ+8peP8AnnWd+vQ1uqkbxHxx+XR/H+7/ANXRJ9ypI4PLqopR6kxi4q1w/wBZT45KZH+7kp/mSVUqjluVH3iSOOpJPuVHHJUnmURk0U4roEf7ypPLoj/6Z06s5r3rmNpC+X5dSeXRHHUkaVPN5msVyieXUnl+XSUVrzMuMk90S0+OPy6r1cg/eVhJ8xPKufYP9XU61B5dSR1t9mxsPqSOloqeVdCJSTHx06mx1J/y0rEVhI6kjj8yoqsVXM9uhcfe3JI6I/v0eX5kdSR1coRRp6D6kjpkf7yp446iMlEmz7kn+so8vy6P9XRHRyk8xJSRyUfx1J5fmUopxjzdCpLmJI/3kdHl0R1OlTBlaEccdWPL8uoPLqxTuiYvmHf6yipI/wDVmkqCgqWo46nonfuGgf6uOpI6jqT/AJZ1MVyhvsTpQ9Mjj8ynxx1pYCSOOpP9XRH8lR+X5lZFNXJI3p1NjjqxTk+UCLy6lpE/1lSeX5n/AC0pa83MKSsCf6up4/LqCOOp45KuSalzBckjjp/l1HUtRzPsUFPooqrk2Cn0xKk8uoncrfYSpaiqWlbsAbKfHTKfWcXzFcw6iinRx0WtuSEdP/1lSJRsqtL3Ak8v93RH+8qOOSpPLrNpy2K5hadH9yiNKK198mPvBRJHT6Ki/YcrR6Cx0eXSVLU80oSsINlFFFaadgCn0UVNwCiiinUv0ehXKFFFFKCJCj/V0UUez8wCmU+mVclb0K5iOSo5Kkk2VHJHUWIIHqtVmeq1aOLQWGyVBJ+8qeaoJP3lZyfLuVyleSoJv9ZU8knl1UuKcZWjY0Knl+XUEklW5I6qSfu6V+5HKVLiOqklW7iSqkldEYqUbmRUk/d1Unjq/J/0zqpcVMFySskO5Uj/ANZV+OqEf7ySr0cdWvd3CLufUX7G/wC7+El3/wBNNd1L/wBK5K9xjjrw79j/APd/CvUo/wDnn4g1L/0fXusdcunNY05SP+Kn0v8ArKSqICiiigYvmJSUvl+ZSUrAL5lEdH/LSjzKkBKKZRQASPRRR5dAB/FRJRRVXHyhT6X/AJZ0R0XHyklYt7/yM/8A26f+1K2krF1b/kP/APbCP/0ZJRcXKX46Wkjo8ytIIRG9cZquyPxNpP8A19x/+jK7N64jXP3es6bJ/wBPcH/oyoJMj9riD7d+yz8XI3/6Fm+k/wC/cDyV8HeEZ/7S8D6LP/z3sYJP/IdfoJ+0Zax337PXxUtJP+WnhfUo/wDyBJX5y/B2fz/hP4X/AOen9kwf+i6daT+qez6Xue7lcksRZk//AC2q/P8AvIKzZ/3c9W438y1r53EKnGXM2fbQMX/Vz11NjJvtY65Z4/MnrodKj/d1pWs43W5UXzFDUf8AXVQm+5Wnqv36ybr/AFHmVw05c++5pJ3KCf6+rFxJUfl+ZUk8nyV3SqJkXS3C1uo/Mo8z9/UcEHz0eRJHceZVRV3zFylGXTUtzz/uKqWsn7yi4k8uOo7WSslNRTb6kS54z1JNUkplrJ5lRal/rKZB+7ojBSjeJopuLuiSeP8Af1bk/wCPWTzKoeZ/pH7yr03/AB60p0HU5b9BSfNG6MKP79Ub795JVuOSNJKzNSk/eV2RjaVjl+zcv2NGpfu6NNko1KeqjFylYb08ypBUF3Vu1k3/AOrqvqNTy2lzMc4ogtY/3lW3/wBW9MsY/Mq1PH+5q6lZRMopxjcwoIP39X5If3dRx/fqeT93HVTkpk0rLdmN/q5KLuTzI6PMk8+i+k/d1tFOW5Puctyhp3+uq/PJ5klULFPMuq1pI45P9ZVymmYcvNHmloZN9H+7rnn/AHE/7uupnTzI65q+j/f1VNd9zknLubumz+ZJV+e6kjrM0qTy46tz/vKUk4z95G0OaW+hbhuvLrThnjnjrFT/AFdT2snlyUez+3Y3haMuU1o444JKLuT93UE8nyeZUF1J5kFcSp3lzJ2Lv7ONmRyf8tP+WdZsd0nmeXU/mfu6xZ55I7quumtbSOSVWEjT1K68uPzKfpr/ALus2+k/ceZRpt1+88ut5K0DHX2mj0H6l/rKzZ4/L/j8ytPUZKyLqeTy6mnrsTVtLoM2VPH+8qCC6/5aVJayfvK2jFvYiCprc+lv2NNS8jVdatI/3ckknmf9s/8AMdfZsEn7uOvhX9km68j4lX8f/PS0jk/8if8A2yvue0/1dcHKlXnc+fxD5qgal/x61zz/AOsrpL6PzIK56SuuD+44+Ug/1lcJ4cj+y6rqSf8ATeT/ANGV3clcDH/ovjS/j/5ZyfvKGuZNdg5TqKY9Ppj06b0uySOSo6kkqOp5HzX6AQSSVHJT3pn+srXlJlfoV6ZPHT5KZPUSajK1xFSSo3qWopJK2i7fCO5B/rKgkkqeSoNlVzX2ER/8s6hqaSoal3lPRARSR7KqSSVbk/1hqpPHVxuuotewx6rzVYeoN4bvVCuV5P3lR1PJUElNysEVcqP/AKyo5Kkf/WVHJ+8pFEElR1LUT1vGy6BdFSf/AFtQSfvKtyeXH/00qpPJTj7xhKz6DNklV5I6n8z5Kgkjq43b30FL3T8/KKc2d1ObG2v0Pkve3QyIgc04dDQFqWFd8irXPGnL5g3ZH0Jo+nf8UdaJ/wBOleBXlr9nmdH/AIK+l4LX7LYxwf8ALOOPy68E8fWn2HxJdx7NiZ3184pOVeXmckfjstjlvuybau265aq6r++qxD/rBXYo2VzobWh1Oj/6yvQvD8fmeXXmumz+XJXpXhy6/d0qlT3bNandhpNyutDurGH93VTXJkgtJKsR3XlwVyfjHUZPsskn/LOOvGvzavRHuzlGEeaRxc88l9fSV1ngvTfLuo5JK89sdYggn/eSV6r4VvoI5IJPM/dyV3VaajT0PPouEqmp6LPJsgjpkcH2qOql9qVvJH/rKNDuvMkkryIctOVj2HU5tE9SOODyJK0oIEerF3B5n7zZVTz/ACK3lWp/Z1KlT5o8zQajdeRBJXg2laH/AMJp4uv7uT/Vxyf6uvUPGmpSR6Nd+X/rPLrJ+F/h+SxtZJ5I/wB5P+8rXDVY06c+54dd880+iO70PTY9OsY4I4/3daUlEf3Kk/grzJTaV5HnVHHmuRo/mVJHH+8/1lHl/u6P9ZVw03MYx5iT+Oo5/wDv5T0qC68ySnp2Czh1GU6meXUkcf7vzKiXKlcuPLIPL/5aVJUVS/6uq98q/YkjkpEo2UsclaOcZLlS1JcVJWQ/y6k/1lHmfJR5lZ1KlnysAoqSOiP93JVRXNuVN8vqEkfl1PHHRJH+8qSP7lZBTQeXQkf/ADzp/wDBS+XWkeWPqacrW+4kceypO8dM8unxx0pNSFTd9iSN/wDWU+j93vqTy4/Mp6dhStLoEH7z93Um+q8cfl1Yjkp80BRlyy5eo/8Ad0SRyUxKs9qw5jSMuYd5lPj/AHlMj/eVPsjqttxi0+OPzKZT46cVzbDasH8VP8vzKJKI6fKxaklv1qamR1JHWXL73MTzElEcdFSRx0ub3rGo+OpKj/1dSR0chEvdH1JH+8pnl1JR/hATy/LqSiOpam4+ZJXY+OiinpRe+xQJUkdHl0Rx1ID6k8uo6kjojoBIlPpn+rkp9PQBf4KfHUaf6yrFTf3uVDSsFPojkqT/AFlVzMLi0+OmU+Os7vsacw//AFdJRU1LmIk+YfBHSeXSx/u6f5n7ytIy5iRY46fH+7oojpXHYk/1lSUUVhFqPQLj6KZT605gD/V0+mU+lFc25RLvp/8AHUccdSVUtXcAoop1TfkAd5dNp3+sqSpjyy3JsElPSmU//WU+TzKDy/3lT0z/AFdEdYxi3toiuUf5dSRx1HUkf7yr5WnZk6hJRHUlRUo6SsBLRUVS1pKCluVzB/HT6ZT6lRcdiQooopWK5Qoo8uisr9ywooopuSlGyM9O4UUUVNP2m99CuVBRRRXRG8na4uYg8uiT93Uj1HJTi+UsgkqvJHVmq0klOMlEyKr1Xkq3JUEkcdQSV5Kgk/dx1YqvPJVcrCxUeoJKtv8A6uqklRYZUnjqo9Wpv9ZVGSukVyCSqEkdX5JKqXFSlbYoqf8ALSr0NUY4/wB/V+qlddQj7x9Q/sf/ALz4Zat/2MF9/wCjK9xjrw79juTzPhlrX/Yw33/oyvdY65DR6B5lJTJKkjqxiUslSVH/AMtKVgDy/LojkpKKZHKFFFL5dBJHUn/LOo6KVx8o+mUUf6ypNAoooqrmIVJH/rKjqSOi5sT1hax/yMEH/XD/ANqSVux1haz/AMhi0/651IFtKlpI6WrM+UrP/q64zxN+7vrCT/nnPHJ/5Ert3/1dcJ40j/1H/XeOrvbcfMafxwtftXwW+IUEf+sk8P30f/kCSvzE+CM2PhT4bHppsH/ouv1Q+IcP9oeA/Flp/wA99Ku4/wDyBJX5Q/Am6874TeH3/wCedqkf/kOsK7vh2+x6mW/70dHqX/H3UlrP+52VUvpPPnq3ax/ua+arPTlZ97COt0Zskf7+uh0ny5IK56STy561tKkoqq9O6dkEouOxHrkf7ysySOOSCtfWP9XWL/BSjJKNynzy1exQk/dyVJJH+7qpP+8nq35n7iuidnswsx1S3Uf7ys2OT95Vu7k8uOtZRtG0TW3IF1/x71Qsf+PirHmfu6jsY/3lR7F8vkZylzEmpSfvKjgkqPVf3dQW8nmVpS1jboTGTZPJJ+/q/cSeXa1kyR/vKtzyf6DJWda/cL+Zm+Z+8qhfJ5dSeZVS6nrssuhlJuUeVIt2lR30lR2snmUX1TGMXK99CdeWwWslF99ymQfu46S6/wBXVStH4mKwy1n8uSr/AJ/7h6zII45K044/MgpT5akboLX2MxP9ZU/8FVX/ANfU8n7yOptyxsZ8r5rozfMkjkqO+/1En/PSn/8ALSmX0flwV2U5ERpcxQ02T9/W1J+8krnrGSPz/wDrpW1HHJTnSXNci0oR5SvdSfvK57VY/wB5W9fSf9M6xdRrpilF3OOb55co/Sp/3dbU8n7uue0uTy63vMj8iqqS5pXZtG7ja5Jaz+ZT45PLk8us21keOSr8fyT+ZXLLlUuW+gqcnzmzcf6mqj/6irEk/wC4qh5n7uudQaO6ZX/grCvpP39a0E8nmSVm6rH+8r0aOm+p5NS0tlZk/wDrLWqNrJskqe1k8yCqkP8Ax9fvKpLuW2l0NK6/eQVkzyeXWtdfvIPLjrCk8z/lpUQXYzqu5HHJ+8qeOT95VTZUiP5ddFmc2nc9j/Zpvvsvxf02P/nunl/+i6/QjTZP3Edfmt8Hbr+yvix4Tn/6fo46/SXTf9RXkV6jVfU8XEWUy/J+8jrmrr93PJXU/wAFc1df6969GPvRszi5ipJXCarH5HxCj/6aWkb/APoz/wCN13VcT4xj8jxVps8f/LRI4/8AyJ/9sp0pKT5USdDRJHUcFSSVmtVYNOxXplWNlV5KNe4iOSPzKY8nl/8ALOpKirWKsMqySfvKjk/eVPIn/LOoJP3cdacqFdPYgkqu9WJHqvJ+8rOmiXoV6hep5I6geteUmMXEjkqOSn0yT5KmL5i7kD1BJ9yp5P3lQ1Mby6iK9RyVPJUElaytICvJUEn7yrFRPVS0COhRkjqPy6nkpj046+hFn0IJKqPU8knl1H/rI6rmHFXIarvU/l+ZUcn7v/WVrTa+RNn1KklMkj8yp5Kr/wDLSlJW9AlHmjY/PhafSbaSv0BRcY2Zzibq0dDjM2rWif3pAKoYre8FQG58WaXH6ziqpxlHfUifws+kI/8Aj3j/AOudeGfGCQN4mVF++kfz17t5fyV4D8W49vjK4H/TFP5V8ar+23MI3ck+hxQ3HpzV6GTZVGP71Wo69+PKbz1N6xk/1dd34fuvLrz3TpK6jTbjy/nrkqR0uddGXKehW+peZH5fmVyfj/UvLtfI/wCelTwarHHXL+LtS+1T/wCsrmdPllex0V6y5eW5xUocyc10GieJruwSOOOT/V/wViSfvKv6Ppc99P5ccdelb93drQ83ncHdHpvhjWNS8TX3l2/+rT/WSV6To/mWsnl1jfD3Q49D02Ty5PMkk/1lbMknlz187VrKrVslofR4XlUeZvU6mO48yOqF9/rKggn/AHdV7qf93+8krKSTdk7M6K1Zdxj2sc8nz/vErW02Dy4/9X+7rB0vzLq68uP/AFddZB8kfl06lNQjZHk1aylG0STy/wB3R5dH+rkqT/Wf8tPLrnlFs8lx5ncSjZS/6un+Z5kn/kOnr0ZvH3Q/5aVUu5v3lW/LqpJ9+nHUPTYjjqxJ/wCi6ioolGDle5lKontoL5klSRyVHHR/y08yT93V1JNlP3t9yx59P8uoPvyeZ/z0qSTzN9QZ8qte4/8A1dWPLjjqOOTzKfVX5t9DXmVR2Qv/ACzp8H/PSSmeZ5dP8vy6XMuwafaZJ/HUnmVBsqWrcbu5XvbrYcieXUlEdJJ+8qrxn8SIkm/iJN9D0zy6n8v93UyjFii1Lcf5dPplPrOUeWVzSWu2gv8Aq6kSoqlSs5Wj0FGm0En7ySp4/wB3RH9yj/lpWkfejcqMOUkp6VBH+8kqeP8Ad1ly+9zGktSSOOpI6KkjrSL5SxtTVF5lSf6ylczl7o+pI/uUbP8AppUn/XOspS5lYYQ0+nR4xRxUWKuO/wBZUlRx1JTi+bYY+pdlRVJ+8kosOxJ5fl1J/rI6jjqTzKkQ+OOpEqNP9XUmynFNiuSR0+OOm06P5Khw5tyrknl/u6I6Spauwgp/l0zZT6encNSSOOpI46iqVP8AV1nf3rBGXMWKKiqeOPy6oBf9XRR+7p8dHKNuxJHJR/q6jjj8ypNlRyx5ryC4+OpJKjpZI/3dWVp2JI5Kf/y0/d1HHU9LlZNyWiiis4vmlYd0Poooqn7wpOxJHUlRx0lZzKJXpP8AV0tFRHXTqA+OpPLqOpPMq9Ogrh5fl1J5dQ1LHJ+8oj7pXMHk1IlG+pI6u65b2ELRRTvLqLMQU+mSVJHU2ASipY/3lCUTcoF8oUUbKfVuXMSFFFFOT5dgCiiis4yUjUP9XRRRHVcxkS1FUnmUeXUzjbcCOiiis4tt2K5gkplPoqoDiuUY9RyVI9V/4qylzymLmG1Wf/WVYnqCSuvmRJXkqCSP95U8klQSVUfdAryVUuKvyVUf/WVnzFcxUk/1ZqDzKnkjjqD/AFdELdg5ShcVB5fl1amqrPJ5dVyk6divNVGSr0nz1Rkj/eVrAmxXT/X1bjjqp/HV9KiTSlco+lv2N5PM+Gutf9M/El9/6Mr3mvA/2MY/+Lc+Jf8AsZLv/wBp175WLXv6FSVg8ypI6j8yjzKRI+imf6ypP9XVSuvhYB/y0pKZHT6iOgBS/wCrpKKJe6ahTKKk8ygyEplFHl1Y+YbRTqbSsaDqkjqOjy6LmJbjrC8QSeXrNh/00SStpKxfEEf/ABNdNk/66R1UdQsW0pKXfTPMqYvlNhJJK4jxx/qEruJK4fx5/wAeMlMjlO31iP7Vo+pR/wDPS0k/9F1+QH7N6yN8G9Cd/wDpun/fE71+w88fn6dOn/PS0/8AadfkB+zurw/CXTIH+/Hc3scn/f56KsrYWfLuevlnvYo6a+/dyVPazx+XTNVk/eVHY/vJK+blbl5mj7mPulS7k8uStLR5PMk/7Z1Rvo/39W9Jk8uSirCVWh7gRTcr3J9Y/dx1hPJW7qsm+OsXy/MrLDxdOFt2bSmpGb5knmeZU8f7yCSoLqPy6IN9bRSkr2IjLldiPzPLkq3dfvI/MqpP9+rcn/HrXVFOOxHN5lTzP3dSWMn7yoJJN9T2NTJ+yjcvS22oalJvqpHU99/rKqeZSpxjU2DUkkq/5fl2L1kyf6yOr0k/+iyR1NW6XLYmDMb+KqF9/qxVuP8AeSVBdSeZJW0U3syak3stx9pJ+7qSeT93Ve0/1lSX3+r8upcYKeiJ5ly2ZBb0X0nmJRBH5cnmUXUfmR1vVlGXwq5zXTdmQWMn7yt2OP8A0WSuegkj8ytqCfy4JKys9raHRCPJGxmSSfv6sf6uOqnl/v6nkj/d+XXZb3bIOYyf+Wn/AEzqPVZP3FSf6yeo9Sj8yCiKjKfus4pScZczMKx/dySV0NrP+7rnrWP9/XQxx/u66KrUXzW1M1UciC6k/d1k3yeZBW7J5eysnUo45I/MqacvetIzlDm1T1M3Tur1ux/vIP8AWVz1j+7k8uuhtY/3dbzt2CnLljyvVlSP93Oj1pedWb5Hlz/6yrfmeZXPL3pWRcbPW2ppRySeXTI5P3knmVJY/wCr2VT/ANXPJUckuayNLPqyCP8A4+5KoalJ+8q5J/r/AN3VC+j8uOqpPlna2phUel0R2lQT/u56tWP3Koz+X5ld0Vd2MzWjk/ceXWLPD/rK1oJP3FUbr955kdYxfLMJWluzJkk2UeZRJR5fmV1xaeltTiSS+Hc6z4e3XkePPDU//PO/j/8AIn7v/wBqV+m/hyTzNNg/6aJHJX5ZeH7r7DdRzyf8s5PMr9QvB0nn6PYSf89II/8A0XXnYi3Pors8jEK8uY6VP9XWFfR+XPJXQp/q6wdS/wBdXXH3TzijJ/qzXCePpPIvtJk/6aSV3dcX8So/Mg0mT/nnd/8AtOrjZboDWtf9XUklV7WTzII6sSVwx94BlV5KsVXkrfkfL5E2I5P9XTPM/d1JVeeSqvyBcjkqpJUj1HJWt0NRaGeZUclTyVBPWcfdlYdmU6ZJViSq9aS0JuMqvJ89SSVHUQ5fmFiB6gkjp81M+eqasIjkj8yOoJKnmk8uqklN6B6EHmfvKjkqxJVeenF3Ij7pH5lQSR1J/BUcklblkElV9lWJKjkos781tCJe6QVBNU71XkpR91WFykEkdRyfJUklQSfvI6I3e7DmPz7YbabRml61+iykqvw7HMItdX8NYvO8aaaf+eb7/wAq5QcGu3+EMe/xnEf7sMh/Ss5TnClNR3Jlse/f6xK8G+MX/I2D/riK9y8yvG/jFpZS/tr3tINlfK86lUUuXVGN7SSZ5otWY/u1BIu2pIX+SvVjLsbS1VzSsf3clb0E/lwVg2NbUf7yCsptxjZamkfdKuoeIvKOI6x5dVM33zWhdaWj1Sj0NpGxniqpwUly9Q9n7R3ZXiuFlk5rvfCt3YWvl/vE8yufj8EmSNHSfZmkk8K39r/q5I5P+uclXW9yly3sjtjh6q1toez6PrkcP7vzPMjk/wCWla0915kleG6VqupabPHHPHJHHXqljdfaoI68X2Dj+8g7odKbcuXodLBdeZU//H1JWTBPHHH/AKytrQ08+fzKcqblLmNakuTqbtja+RB+7j8ur/l/u6P4Kirkq03KZ584S7ksdEn7uSij+OspU5R6mUF7Pck/gp/l/u6j2VLJ/q6uK5fiNQqn/wAtKsP/AKuqEknz1jy+9zES90k/1lH+rpKkkk/d0xSbj0DzKSmxx/u6tJW/Mo9AvzRvcEqx5lR+XRH+7qeUq9/h1JN8dSQSVH/rKkjk/d0SknDQqm0Tv/yz/wDalR+XJJJ/0zpdlPk/eVhGUYxuVzBTqa8f7upI61hU8w5STzKTzP8Av3Sx06spVObW2hOr2ZJ/yzo/5Z0yOOjfWlOWnKRHWNpk8dFHmfJUn+srpirRuaRhy76iVYjqCOp4/wDrnXO+RbjUrfCEkklWI/3lRp+8qeplLl2CM0wjjqSOOo0orGXvFcxJHH+8qeOmU/zPLq+ULBHViP8Ad1GlT+X/AM9Knm97lZVu4eZ5klHmUeX/AMtKk8vy6JaFD0qTy6gqSP8A1grQz510J/8AV0RvRHRWMVzDj7w+pUqP/lpU9acoNNdSSP8Adx1J+7qOOOj95JJSlJMcYroTUqUynUoy5R8rJY/9Yaf5nz0Rx0fxVD8hj6WP/WUlFFx2LFFMp/l0vUmxJH+8jp/8FLHH+7p9Sny7mgJ/q6kj/d0R1JH89UQEcf7yn+Z5dJRWer2ZdmTUkf8AqxQlPjqpLmHyhHUnmVHRUxajuxFinpTIae9OLTJsS0kf7yloolG5QU+mU+OpprSwD6looSj2fvXJsJH+8paEp9Z2Xx21NOUE/wBXTqbHHTqVmtySajzKhqX/AFda3IFp8f7uOo44/MqST93WVn0LJad5lMjp8kdbxuyuYP8AWU+mfw0R1z/xNg5R9LHUlRx1UotBzElPplFZyk4q5I+iiiteb3bGoUUUVlG8ehlH3QqWoo6k8us4py2ZqLSf8tKWiuiLtGz1Mpe6J/y0qOiis7XVkAUyn0x6clZXiASSVFUtRyVcXy7gQSVXkkqzVOSqjqIjkqCSnv8A6yo6Ury6kkNV5qsVTdPMqo8qNeUhqvP/AKzy6nf/AFlQSPUSjJklCT79QTx1am/1lQSSVUJSFqUZKgnfy46nkqpcVpvK6GVI/wDWVfqhJ/rKvQ1VwPpP9jGTzPhz4l/7Gi+/9p19AV8//saf8iB4o/6aeKL7/wBp179WM7FcwU6iisyQoooqyAoooqDck8ykplHmUDJP9XUdFHmUAFFHmUVVzGweZRRRTK5QojoojpWHylisXxN/yEtF/wCukkf/AKLraSsXxN8l1osn/TemZlvZTPLqb/lnUdOPvF8o2SuL8d/8g567d64jx5H/AMSqerj7ruaHoVj+8tYP+mkEf/ouvyG+FK/2f4ZvrT/nhrOpR/8Ak09frlocnmWNh/zz8iP/ANF1+THg+N4bzxRB/wA8PEeqxyf+B09W482EqK17nfl7/wBqgWtVk/eUyxk/eUax/rpKj0qT95H/AB185KlGVLmTP0GBHfSeXJVjTZ/Pkqvqv7yoLH93XN7OSpXT1LjBp3NrVpP3FYME8klbV1J5kFYsfl/8s/3dTS5pRtcOQgu6ktZPLqCeOTzKntZPLrq9lJxsmQtCvPHJ5lWPMfyPLqO6k/eU9P8AUVHM6cbMgqyR0/TZPL/d0yST/WUWP+sNJPli03uapc+4arP5clVIJPMo1X93JUcEnl1dKLSvEiS5XYkkkj8yrcn7yCSsyST9/V+R/Lta3qvljzBcxf8AlpUF1H+7q3H/AKw1BdSU4yco3RnyqZXtZJKku5JKktY/3lR30f7uuiEFfmMqihy2I4Lvy46ZPdUQfvE/ef8AkOo7qOOOs1eKujli7EFrJ5klbsf+pFZNrsrWg/dx06suVRb6ndGSmZPmeXPJU/mfuKgb/XyVbj+5VOfNuLkZmx/6w1HfeX5dEn+uNF9H+7rSnNc1kcspKRixx+ZPW9HJ5cdYMEH+lVtfwVrV1dzDmRHPJ+7rNuoI/L/d1fkj/d1Tf/UVnS120MY+9vsY0Eflz10Nr+8jrnv9XPW7aSSSVde/Rl04rmsQT/u55P3lTx+Xspk336fBH+7pJvqayhYv2MlRyeX9qqC1kk/eUfvI7inHTYmNRxjZogvpP3/l1Xvv9R/00qS6nk8yo7qSTyf+mlVG/VGM2jNtZpPMonj/AH9Rwx+ZJVi6/d1vzdjmjKys2XoP+mcccdZt15nmP+7q3YySeZUeoyfvKvRysmVeENjGnk/eURyfu6SamR/cpTM7pyvBluOT/RZI4/8AWeXX6f8Awvvo9S8K6bJHJ5n7uvy8tZK/SL4A3X2r4c6FJ/zzg8uuPErk5elzy8VGSfM9j1yOP5KxdV+/W1BJWRq3+sFb05I8nm965lPXJ/Eb/kBx/wCxPHJXWPXPeNLeOTw5f+Z/yzj8ytdea7YSfMR6X/x6JVuSsnw/P5+m27/8tP8AlpWtJWem3UxuMqvJVh6ryVcGaEcklMk/dyU+SoJ5KuMbEpWIJI6ZT3/1lEkdKon0KK8lQ0+SOq9Y03/MEvdGSVA/+rqaaoPLrYm5BJJUclWKryfJU815cqC5A9QeZU8n7ymeXW0U0Zy94pz/ALyoJI6tyR1BJTiubcsryUySOn+ZTHrR0/euhXK7p5dQSR1PcSVA9HMMjkqCSSp/MqCSnrsnoKxWeMVX43VZmqr/AAVMly7kcyGT/wCrqvJU/wDrKjkrSnZ7MJe6fnrS7qCuKSvv7Shp1MAXqa9H+C8O/Xryb/nnAa86Vc16p8EIf3+qP6In86is5U8NJ9zOR6z5n7uvG/itqr3WrJaf8s4Pn316rqt9HY2Mk8n/ACzr5917Uv7Y1Ke4/wCelfK0V7SehzP3ncxrgZpsFSTVXRttexGN1ZnVHWJpQSf9NK1rWeufhmLVq6bJVXcNieti/PPVSO+8uSuhtdKjuo6nk8B+f/q5I4645VeWepv7Ob2Zm2PiCuo02eC6rKtfhnd+f+7n3/7FbNj4cn02Ty5KJ1VU2OulKtHdFvUrGC6j8zy/9X/y0q9pUkcEfl+ZVSeN446gguvLk8usacW9iPtnSwfv5P3dehaPY/ZLWPzP9ZXLeB9K8+T7W/8Aq/4K7dI65q1V83LcynUXNykkcm+iPy6j/wBZ+7qT/rnXHKpeV7mUueXwhJ+7o/1lHl0f6ynpU3NKeitIkj/eUSf6w0+P93TI/L/5aUc/u2FL3dwkk+Sqfl/8tKuT/u46qRyVlG76ER95XYSfvP8AVx+Z5f8Azzp8n3KSl/1dVFOXudByXMSRx/u6elMkkqT+CtJScY8pMeWT5Q8zy6f5dM/1n/LOn+ZXNL3tOpaSjsLSfxx1JH9+pNn7zzK2aUY2kyLroPj/AHlH7yiOT/nn+7pUrNty9C4ys7D4/wDWfvKkkfy6j8yiOrjr8RSjy7En+sqf/V1BHUlOSUepzxjeVieOiPy46j/1dSf6youk7s6pRUY2H+XT6Z/q46kj/eUXvsLmiSRvHT/L8umRx7KP3lRdTmEnzFtP9XRHUcdSVc1y7amXLaXMx6VLUVSSfvKzirHWSRyfu6dUMdT+XVbbmdQSpqij/wBZUif6yp5dbE3f2SfzKkjj8ymR/co8yoNbrqP8vzKnjqCnpWl1y3Ik0i5HspKZRHWd0Vyskjp/+spaTy/3lXJcxUCxHUlRx+XHS1zydtOpNuw+p46jSkq4tsu7JqdTI6f5dOwiSOpKjjqSs7+9ygPoooqo6FknmeXRHJRH+8/1lSRx+ZROJNyeP/V1J5dV9lWI6Baj/wDrpSU3y6fH/wBdKz17FktOjptFagOqx/q6r1J/rKwcFJXRNySOSn7KZ5dPpyfLsFyWn0yn0oy5t2UFEdHl0U7/AMpNh9S1FRTld9TTlZYopiUkf7umSSRyU6m+XUn/ACzpSaRXMNqaOo5I/wB3T0/1dK9tXsSSRyUeZ5lEclJUylzbAS+X5dPqDz6lquZFcoke+n0eXT65eb2c9SwopY6k2VtzIjmCiin0o2kHMMp9FFRFc24cwUUUVW+2xPuhR5lFFacvu8wBUnmVHRXI/eK5QooorfkQcwUyn0yT95T5UtyQeq8lSSfu6j/hpx5mrgQTyVWqzPVaiS7mpE9RyVPJ+8qCSOlCT5uUjmK8lQSU96gkrWT5dySB6gkjqeSOqk8lTBp7AV5v9ZVSerklVHpO8tmaFSSqlxJVuT93JVS4kq4rl2M5aFT/AJaVfjqhH+8kq3bx1cXzRuyuU+kv2Mf3fw/8Wf8AY0Xf/tOvoKvnr9i3934A8WeZ/wBDRd/+069/rmUuaVg5iaiiitNOxA6im0VNyuUdRTI6fRYm4UUUUyQo8ym0UGnMFFFFR8Y+UdTaKKjmLCikjp9WBYSsXxN+8k0n/rvWtHWT4n6ab/13ojoRyltKHoSjfVXFyg9cf4x/48ZK6yST93XJ+Lo/MsZK2NDrPDP/ACB9F/69IP8A0XX5SeHbxJPGvxRtD/y6+NtZjf8A8C3ev1X8KyeZoei/9ekH/ouvyd0uH7L8WvjbHJ/0POpf+jKItqhM6MJL/aoE2uf66mab+7qfXI/39VLGSP8A56V4NRrksj9Gi+Uk1KSo9N+/U99+8qC1n/eR1hKEnSsi5SbNqf8A1f7usX/VyVrTyfu6yZJPLnrDDyUZcttfM1jG3qR3T/u6gtKjvv3klMgk8uuq8akvdfyJjaUuVonkj/eVPDJ+7kqpdSVJayU5S5oe6iLEF1+7qO1npLr/AFlMsY6iz5byYW7DNVk/f1Xjovv3c9Mj+euiNNL4WL1CT79TySeZayVUkjkjkqSS48uCiStHlB+RUjn/AHlR3UlRwyfvKZfSVTjy/Ec7atdMfBPRfSeZHTLWT93HRdPJ5daUzKSvDQjtZKL795HUdj+7kqS6/eR+ZHWrpuW4oSXLZEEFbtrH5kElc9B+7rdh/wBRU4iSlHlsdULdijJJ/pVT+Z+7qp/y8VPcSeXHWLjKMbE35zN/5eKknk8yq/8AHRJJ+7raMby5ps4brsZMcn+lVrRyVhRyf6R/00q/JPJHJH/zzrp5TGlLmXLItzyfJVf7DJJH8lHn/u6t2v8Aq6xnzXuGnNy2ObuoPInrW03zJKqaxH+8q9pXmRx0o80oaCjKMdw1KOmQRyeXVvUv3lVIP9Xsq7D9pGUuVaE8H+s/d0XUkfmUQ7PMonj/AHlOXLHc3i0o8pQupKgkk8uOr99H/q6qP/x71tGy6HNPkMy1kj8+rl9/qxWZHJ+/q3P+7jrolBS6nN7nNZk9jTL6P95Ve1nqTUpP3dZS90qTSjaxRnqOOOo5JKjjrT4viOKMYqXubliGTy6+/f2Qrrz/AIO6b/0zu54//Ilfn1B/00r7k/YZn/4s79nf/WJrN9/6HU42PtIRt0PPxMZxjdn1DHWbq3+rFaUdU9V+5WNCCPN17GG9YviqPzPD+pR/9MJK2nqhqsH2qxuIJP8AVyJJH+7rfmQzl/B//IHg/wCelbMklc94Lk/4lf8A1zk8uuh/1lZcq9q13MIC76ryVJ5dR1pKSjua8xHJ+8qDy/3dTyUzzP3dax1jcz1KkkdRvU9xJUNZ6817kyu+pXkemU+T56jkjpRu+hehHJJVSSrElV5KL88uUlaEElRyPUkklQ1vFKIEUn7uSo5J6lkk8yq/+spk8xXkk/d1HUj/AOspnl1EfdKKkn+s8uj/AFlTyVXq+ZjsQSfcqp/rKvzVUetJyEQSfJTKfJVd6yAZNJUf7vZQ8n8FMf8A1dP1M+ZFeT95UH+sqeT93UElbKShvoK0Zn58UYoor7q/u80jEFr2D4JrtsL+T/bFeQKRXT6X4mutH0GWxt/3bSSZd6wxd3QcYvVmNTodX8TPGiXf/EttP9XH/rJK82qZ/mqI1wU6apU/e3JiRSfOtVwuasstVmzVL+dam0R8bba0LG68uSsrn1qRW+atHruNx6noOlaxHH5dbMfiCOOvM7W9eN6vf2l5lTKjCT5gjVcT1/w54gjnkrqZ5I7qOvDdD8QfZZK7CDxj+48uuWtQ+87aeKvHle5raxMkcnlx0eFfD9xrl9/cgj/1klR+H9Du/E115n+rg/5aT16ppulQaVYxwQR+XHHWM5qlHlhqzml7pctYI7W3jjj/AHccdTxyeZUcclSeX5deby+9aZMZKXmP2eXSUvnxyf8ATOpI6zqRXRikm5XHpTPM8uo/3m+pPLq4tRjYJ7X6h5nmVPHUHlyf6ypP9ZStfYnlC7k/d1TjqxPJ5dQf8tJKKjtuXzNxstx6SVJ/BVeSpP8AlnU3XcqPvB5dJS/8s6kqI6PmeqEko7Ekf7uOjzP3lH+ro8j/AJaR1rJRSuTJqI+STy5P+elWI5/LjqvHHS0oyS3VwgT+Z+8qTfVeOpJJPMkqoTQPfmRIlTx/cqOOOpI/3lROooFSlzRuhtTeZUf+sqRKuytruZQqMelSRyVHH+8qTy/3dZ8q5rs6+ZLcf5lSeZTN8lJHHULWV1oZynZ2sWEp/wDq5KgjqeOqt3CSb20J0/1lSVV/jqfzKmoaxSY9KlqJKlrCPNEjmCn+ZUcdSVZbXNuPjqeOmJT/AN3TtMnbcVP9ZU9V6kj+5SFFKRO9SRx1BHViOOrk7FS90f5dEf7yiOpI46ySsO99h8ceypPLpj0+PzKcJBYlp8dMp8dacyHYdSx/u5KZ5lPSoGSSSUeZS0kclZ3HYnjkqTfVerFHKuoWD/WU+mVPHTC4Rx0f6uiOSpI6I6iCP95ViopJPkqSP/V0rlknmb6fHTI3qT/lnTJuPSj+Oj/V0f6ys+aIWJI5KfHUdSR05csdiix/q6Smef5lPSso3luibktFJ5dLTj7pQ/zKKKI6NtxD6XzKI6kpydwE/wBZUlR/6ulqxk/mVH/HRHRWPL2K5ixHRR5lJ/BVcz7ByhHHT6ZH+7qRKJJogkjj8ulooquV/M1jqOjepPMqGnR1nKKl0FzX2H0Uscn7uiP/AFlZ8zIJEoo30JV83noA+mU+mU7lco+iiip15rphyhRRRRKXMrskKKKKI6R5iormCiiij3qmxIUx6KHrON1KzdyuZEclR0+oq3bUSCKSSoJKkkqOSos+a5sQPVerD1XkrSUe5kRyVUuKneoZJKXNECu9VJP3lTySVBJSjzSlYqMuUqSfu5KqSVPJHsqCStYxUepMveIJKqXdW5I6ryR+ZHVcyCXulGP/AFlXoJKo/wDLSrcclR7P3r3A+kv2N/8AkR/FH/TPxBP/AOi4698rwD9jT954H8Wf9jJP/wCi46+gErOUeWXLbU1EoooqZakcpNRUNFTF8wcpNRUNS+ZRzByi0UUVcXciwUUUUveGFFFJ5lTzFcwtFQ1NVFhTqr1NT0I5SaOsnxV/qNN/6+60qyvFv/Hvpv8A19/+06cXYsu0UqUlFgGyVy3jD/jxkrqZK5bxV/x43FaRi4gbvg7954c0X/rhHX5ZXC+T8cPjb/2OV9/7JX6m+Dv3nhnRf+uEdfl74nj8v9oH44xx/wAHi+eT/v4kdK/7uZ1YP3sVAoarVGx+/V7Vf3lZtrJ5cleHSjzQ1P0Yv333KoQP+8q9ff8AHr+7rNtf3clc7k+SyWofaua3l+ZHVCSCTzPMrSg+5VGaT95WFFOW7NJNoqXUlVIf9ZVu6/eVUjr0KbjG6jZNGb0J5v8AV+ZTIJP3lE8n7uo0qISt8ZpyL4yO6k8uixovqLH/AG63na3KtjOMrEGpfvJ6IKj1KTzJ6Z5nyVM12Hcjnk8yepJP+Peqkkn7yp5JPMjrZxuTdTKEEHz0y6/1nl0+CSmTyfvKUUou99TlqW5rofBHRdfu49lEElMup5K6qb9645LljZkFp/rDT77/AFdVLWSSST93U91JJ5dE5e+ct09kMgrZg/1L1hQSSVrWsn7us6zOqlaXUzfP/f1bkk/d1Xkj/f1Yn/d1nOPOJQmjJkk/fyeXUd9JJ5fl0/8AdxyVBfSV0xin1ORtL4jG/dxz1e8//gFZs3+vFX445PLjk/551u7y1eqOe65uZFuCPzKt2P8Aqf8AnpVeOTzI6IJPLk2Vlytbla83NYqalJ+8q3YyR+XH+8qpqVFr/rI625PcCMk99DWvo/MgqpBJ5n+sq3fSf6LWbayfvK41Hl2CquaVolvy/wB5RPHJ5dSRyfvKfff6hKfxmns1Ao3X7yCqEkn7ur8/7uCqif6utYxkt9UZSs90Yskn7+p7r95BUF1/rpKk8z/Rf+mldkXbYw9miO1/eSVPdfu46zYPv1fuP9XVylCMryJjFSlYoSQeZHRHH+8pk/mSR1HayU3Fy2ZHNDn0Lfl/vK+xv2FZvM8HeIbT+5q0kn/kCCvjn/VyV9Z/sR337zxLHH/q/Lgfy65sVGUIe8zhxTjy3Psa3qDUv9TUlrJ+7So9S/1MlTS0PD5jCeq8kfmVJJ/rKjkqtO5BwPgv9xHdxxxyRx+fJ/rK6muW8PyeXrGrQf8ATeT/ANGV1H+rjrOpLlmMZJUcn3KkkkqOSrbgt9QI5KZJHT5JPLqN60j7oEMkdV3p8lNovG9gIahk/eVJJVd6qKuBHNUElWP3lV5KGrS5iCCSo5KknqCSSlaXcCCSo5JKmqGSOnYCu/8ArKgkep5P3dQSU7p7Gco320G1FJ+7p8knl0yT95VXDXuV7iOqkklTyVXqo2j8RoNkeq/+rqxPHVd6NH8Jn/D3GSSeZJUcn7uiSoHpA3GW5FUMn/kOp5P3dQf6yh+9uOOp+fJxTGbFWI7du9RSxlTX29aope5sY8suqCDDvirvK1mq205rQhlVq53KUtjGouo40nmUSR0UW9y19RQQyT/V1VZnHartQSR1jFS6GpBtI60wrirDR/Nupjx1vG8nfoCkCtlamwaYlvVmCDzKJe8TdXJLVP3lehfD3wz/AG5qX7//AFEf7ySP+/XGWNr+8r3z4Z6H9h0eOTy/3k9ZVn7Onz9SouKOssbWO1gjjj/dxx/6uOrVLHB5dJXz0pcy5kwJY/3clSP/AKyj/WUSSVN1PcI+6rof5kf/ADzo8zzJKSl8ysebsKU5PRbh5n7yp99MT/V0eXVy96ViYuUh9LHJUfl1JHJV7RutzdcsdipP+8kp8k/l0XX+s31Ukk8ySlF3jzTFFqXwliT95Uf7yOjyKk/1clVGCX7zoO0ggjqfy/3dR+Z+8qSOPzKV2TGL6Ekf7z/lpT4/9YaZJHspNlEpcxMfd3JPM8uSpP4aj/5Z1JHH+7oi1ILpT1COpI6I6fH/AMtKtu2xctPh2F/5Z/6un+dRHJJRJH+8rH3VvuLXsSR/vI6bTo5KJK0jKUty+aJOlSeZ+8qCnxyUiv8AEWeJHp/FQU6OseW+i3FJ8unUfVmP/V/vKrxyeXU8f7urLjFv4iSOpHqPzJKkjkqeUdx9S1X8z95T45KrXsZ8pJHU6eXJTI3ojqJS5i+YdSx0lSpUxuh2JNlTxyR/8tBUEclSIP8AppRHzFdj/wCCpEpKlra3YLsenl0VH5nl1JHWXKyiT56k31FRRG0ehUkmWKk+eo45Kk8yiPvS5iR6f6upEplP8z95USbcwJPLp/l0yOlq+R8twuiaOpNlV46fWNpdwJaf5dMp9EXy/EOxJH5lSVXp9V7o4vlLCVLVKrCVgqicuUVix5dPjqGpa1+zzCFkkqWovMojpxV43HcsRx1LUNFEL8t7CJY46fH+7pkklPjplj6lqKpI6wUb6dQJKkjqCn0R97cAqTzKjqSOlL3h8xIlFFFAcw+nVFT461+zZCHUU7/lpTaiVo9SuYmjp8ce+o45KkSopSciQj/d1LSRx0tVO/cB0dFMjp8dTzMCSOOjzKj8yiOlF8xoPpY5KSipt2CXvEsclFFRVc4onlJafTKfUlhRTKKnlIlHmH0UUVUtYByhTKfRRH3tg5Rj1FUr1H5lHJbckjpklEm+o3qormKirFam1YqvJV6dw5hj1XkqSSSo5KJSciCCeqclXJ6ryVn0sMqSVBJ/q6nkqpJJUOScuUrlKkkn7yoJJKsTVXkropKwcpBJVR38urclVJ/3lay5Yi5X2Kn/AC0q8n+rqj5n7yrcf7ypjJOVhH0P+xbJ5fg7xn/2Mkn/AKIgr6Fjr5z/AGKv+RR8d/8AY0Sf+kkFfRkdY12ufc1HUUUVBHMFFFFAcwUUUUBzBRRRU8pYUUUVpfsZBRRRU7bgLvpKKKDUKKKKALEdZPi7/jxsJP8Ap7j/APRclacclZnir/kHWn/X3H/6Lkoj7oFyOio46kkqzPlCSua8Vf8AHjJXRVzvir/kGyURuupoaXgeTzPCujf9cI6/MLxpJ5f7Svxzg/6mOST/AMcgr9PfA8n/ABSuk/8ALPy0/wDalfl98QJPsv7Yfx3sP+ojHP8A9/Ego+xO51YP3cTCRS1b/V1m2kn7ytbWP38dYUcflyV5sIrk3P0L4zWnk/cVmR/6w1fkj/0Ws2P/AFgrOTS9yJpFOJs2v+rqjfSSR3FW4JPkqpdffrz6TnE6Jv3bMjk8x6oPHV+ST9xWb5nlyV0UuZbasy5Y8t0W5PuR1XjkqSSf93UEcn7yrtz3clqhqHdhdSU+H7lMuv3cdR2P7uhctrtilLl0W5Bdf6+o5Kjvp/3/APzzpnn/ALut405S6GU5LluR/wDLerckf7ioI4/Mq9JH/otKpzXstzOL7GTHH+8qC6j/AHlX4I/3lV9RrbXn0HKPMMgjouo4/LotZP3dF1J+7q+ZilFuNpFe18uOSpL6N44/M/56VHAnmSVJff6up5V31MJT5Y2KEfmVrWv7yOsaOSt3Tv8AV0VuXk13KpWe2hUk/dz1P5n7uoJ/9dU/l+Zb1MV8jWz7mV+78yo77/j3o/5b1HfSfu63t7947HLXijnn/wBfWlBJ5cdZr/6ytP8A5Zx13fZ5Tz1ZfCW0qPy4/PqOGf8A5Z1HJJ+8riu+ppFqIzUfLjqvaz+ZJHUeqyeXVWxn8ut4xco3JlNR2Okup5PJqjBJ+/8A9ZT5JP8ARKqQSfvKuFP7dwp1WpXkjTknk8yrc8n+i+ZWZ5lWJ5P9FrGVK75raGntlPfQj8zzI6jgk/d/9M6I5P3fl1BHJ+8rWMbK1wcrbmTqX7uemeZ+4p+pSeZPUHmV0+z5I8y3OKUnHroRxyfvKtySfu6oRyfvKtv/AKuocXLcd13IP+elQJ/rKP3lRx/uK6rRW5xyT59GTyV9L/sMaj/xV3ii0/56WkEn/kSSvmz/ANAr3X9jOf7L8VNSjj/5b2P/AKLk/wDtlYYimpUHNbo5MQmly30P0Btf9XT7r/j3plj+7jqS6/1ElcVCWnL1PMnZ7I556r+ZVh6r/wAVdEoNmR57pX7jxdq0f/TSSup/5Z1y6J5fxC1aP/npHXUR1hVptyuVF3EpklPplXyqG+pJHJUEn/TOp5Kgo5ucm5Xkpkknlx1JJHUb1evVlEH8VRySVJJUckiUcxGpUkkqOn0ytJaxstyyCSo5I6JPkpklZxvLqZ2I3qD/AJaVPvqD/V1oVYr/AMdMk/eU/wD1lQtWmnYclykUn+sFMkkokeSo3/1dICOSqskn7yp/M9qryVcUpEXGSPVSST95U8lR+X+8p8qCxBJ5klQydKmk/d1BJJ5lEveFoRyVH9yiSiT93HV2925jzTPhH7LWbPHW7JHVS6gr2qdTuz1q/vnPsu00+NvLbNWLlcLVNq64SVrPc82cLGgZt9TR1lI21gauQ3BatVI50uUs/wCskpKWP95SVPs+zG9BkkdHl1J5dSRwUQaW6HYjS3q3BDRDHHV+CD56iTUdti4wtvqy3psFe3fD3Vf7S0qOPy/L8j93Xk+m2nmV1HhzVZPD8/7v95HJ/rI6wxU3OHJY6KdH2myPY9lRx1m6VrEeqwRyQSVpR/vJK8aNNx0luc0oulo3qSbKI46n8yo/Mo2V3uZxajp1JP3cf/XSiTy5JKZ/BSfvKUY02OPMvhRK8nlx0kf3Kk/gqPy/+/dZX97m6Fa9iSPy6fUElSJ/q6vTuRzFS6/eUfIlEn7ySo/L8usbW1exrHXbQsf6yjf5cf7yq/mVJ5n7ytZNPZ2HzInj/eUeZ+8o/dx0lZ+89jKOmvQsVJHUEcn7z95U8clXf3bDjdbsWiiOSkj/AHlVL3Y3QpcqjckjqSP93J/rKr/6upPMrWT5o2ZUYuRb/wBXHUcn7yiP/ViiSPy/9uuaPulc3vWZYjkqSOq8clOq4+8Z8q5rlnZSwVF/yz/6aVJ5nmU5OMTSPukkdPjpiSeWKnjrJS5dhSvHZh5fmSVJHP5kdH+ro/gqorm3Noq8B8clSR1HUlvJRYmD8ySnxv8AJTPMp6VjzsuxYoqOOpI61i4omPvB5lPjko8ukqYy5htWJqmg8uOoEp9URzIseZUn8FV4/wB3U9Rys1JI6kj/AHkdV0qxWQBU8f8AqxTIP3dSJVk359gqfy6j8uiOlGSjuEXzbEn7yOpI6j8ySSpKOVcvN1LsTx0tJHT6L8ogjqT/AJaVHHUkdS9AjqSUUUJRK0uhY+On0z/V0+lcmTsSxx+ZT4/3dEckdG+ueS5pk6kkclSf6ymU+Oui4wkp8dMp1MadyxHR5lNpP46VyieOp6ip3meZWMY8xXMixSR0yP8AeUj0Sg4ysjO5LT6jjqSq5hhHUkclRx0U+UvmH1LvqKpajlJHx0UxKfU1E+jAI6k8yo/Mp1HKuoiWOTfS1X8urFKVo7IY/fUnmVGlG+teXuVzEtO8ymR0tZ3vsRYdT6ZR5lL2bvcNAp9LHSU4vl3L5SWh6jjo8ur5g5SSioqlpU9dg5Q/1lFCUVUo3JCj95RRvrmlHmK5go30VFWseVdSSV6iopklZxg11FcZJJUElTyVG9bxkpO0S+UgkkqB6nk+/UD1z8j5rRJK9R+ZUkkdMrSPvbgRySVUf/WVPPJUEkdaRTiBXnqo9WJKrzyVI+YqSSVXqxJUH+rq4IcZcpBPVT/ln5dTzyeZVSanL3fiFzMr/wDLxVyOSOqkf+sqep5b7EyVj6E/Yxk/4pXx3/seJJP/AEkgr6Ijkr5z/Y0/d+GfG/8A2Mkn/pJaV9CRyVhKLjPU2LnmUVHHR5lQBJRR5lFax1I5QoooqrFh5lOptFSAUUUUAFFFHmUS1AKKKKjmAKdTaK0uBPHWZ4mj8zTYP+u8cn/oyr6VU8TSeXpUH/Xf/wCOUo+8RzBHJ5kdS1FB/q46lqovlLIqwvE0f+gz/wDXOt2SsHxH/wAeL0zPmL/gOTzPDlh/10k/9GV+ZvxqX7N+3J8dB/ej0p//ACUgr9K/h/8A8izb/wDXef8A9GV+b37Q1r5H7b/xfH/Pe00mT/yUjrWlByjNXOzDvlrwMG++5WF/HW7ffu4KwpJP3leJBR96/Q/Rouxe8z9xWTJJ+8krXj8vyKoeX+8rL2ic7rY6G1I0rGf93UF9JT7WOmX0Fcs1T59iZSa6lTzPMjqpJHVv/Vx1Ukj3yeZXTSgovmWxlO/cn8v93UHySfJT/M/cVU8/95WsJR+APevckvpP3dFrJH5dMupPMjqOxjrJQUVdii+aZUvo/MkqO1g+f95Ul9H+/p9rXVGbWwpwUy/+7qS7j/0X93WZ5/z1bnk/cVEo8soy7hZrcxo5JPPp91+8jpYJP3nl1Xva6pTUnYiLsEcm+Py6J6IJPLqO6krClLmnyCnJON0hkcnlyUTz/u6jgk8ymXUnmR+XXVyvmsc0W5RvYeladjJ+7rFtY62bGPy46zqR5ldDhq7oqT/vLqrf/oFUX/4+Knkn/cVDipblXn1KEn7yf/pnTNSj2R0/z/3lMn+5+8/1dbRSiZySRzU3+vq/BJ58cdU7j/j7q/HXRzROKMXGV7i1Xkk8v93U8kdQf6yiwSjcqX0m+OqCVp33+r8usyP93JXRdctoozlUUZcrN6P/AFKVU/1clPgk8yCqkn+urnUlCVtipPm+E0/M/eVe8j9xWbH+7q+99+4q3JS3NbMj8vzJKqeXH5lSRySeXJJHVGsYrlM4tP4kZmqf6+o4JPLjqTUv9Z/q6rwR13xmows9jhlFRmHmeXJV/wD5Z1Qkj8uSrcH7yOqhUj0LsujKlQSfu/8Aln+7qeT93JVSST95WkajlLlexhpH4nYsT/vI469m/ZJvvsPxitP+WkkkEkEcdeM/6yvVP2ZZ/svxp8Nf9NJ//adTXcVSnFbHPXftIuS2R+lNj/qEqSf95HVTTZP3dW3/ANXXlQT6Hi8xzs9VZKtXf+sqrJXU1NEnCal+4+I3/Xe0jkk/8if/ABuulR/MrnvE37vxxYSf9Okcf/kSSuhj/wBWaifOASVHJUklV5KnmfLYrlDzKgnkqxVeT95JWiXcVmVN9D0P/rKjkrSSiyLjHkqvJJViSqkkflyVnpDqUV5KZJJU1VZKqPvEEc1M/wBZT5Kr1rb7wFeoJKkqOSn6gV/L/eVBJT6Y/mUnGw7kHmfvKjn/AHdWKieqegipJVerMkeyq8lHoAySq8klFMkquYmz7kclQPT5JKgkkqo+6FuxHI9Mk/eVNVWST95W0ZXM7/efF3keZUc8dSVI/wDq69CXLE+odGC8kYN1BWdNa46V0Hl/vKjntY5K6I1uWPMlqeXVw/Nscu2c80q5HIrWutPwuaypIzG2K3hUU1zM8+pScNyRbp1PJzVyGaOSsvdT1cr0NVzc2xzuKNz/AFlCVmLestXIb6OrjFp2Q4vl3NKCr9rJWTBdR1rWMkcklTJORraZ1OlQeXHJJVqD/WVkwTyeX5dadrXDWqNK/Q97L6LcuZ6F6xvp9Ku/Mgkr0rQ/EEGq2sbx/wCs/wCWkdea7KksdSfSrqOSOuWnGUoHTisLGvstT1zzqfHJWNo+sQX0Eckcnl/9M62Y645T5dz5GpTdGVpFj/V1HHJRJJH/AM86kjjjrNyk1axcZxjDcfJJ5f8A00o/5Z+XTPL8yiP93/q6v7NzDml9ofH+7/6aUPJUdSeZ+7qbGnulSSmeZRJUccdaxuo8rVxyVvhJI6nj8z/V1BT/AN5JU28jTl7lj/yJT46gjk/d+XUkaeXH/wA9KcIqSvciL5SeTZHRHJUcf7z95UlT/cDmiSeX5dH+roj/AHdP8zzKHBXsgiuYkk/eSUbI6KfRtuON2L5lPj/eVBUkclTzRnKwS96Nh8nlx/8AXSpI/MojjjqSP/ppWnP/ACoVNdwj/eU2pY445KP9XUX/AJi6quT+Z/0zpY5PMqPzP3dJUyTiTJqJc/1lSRx1XSSpPMqrW3HGTlK9iepI4/LqBKfH+8/7Z0rF7bliT93T45KZJRTkk9Opdh9SR/u6jjjqSOpC1tySnx0yijTsSWKf5f7uo/4KkgkoAnjkoqKl8uOSp97sXdE6VJ5lQRx1YqLr7SJk7D/3kdSR9qj/AIqKV/d5Sixvp8cmyoPLojp/ZsTb3rluP95JUlR+X5dEcn7ypuUTVY8z5KgSpaclyq44u4nmU+N6ZHT/ADPnrOTch37D6lqPzKk31fI+gx9FMj/eVNRYm4VYT/V1BBJ89SfvPMpK0egXLFJHS0VlKXYqPvD43p8clMp8eyq23JuSeZ5lPqvUsclZ8zE9R9WKrx0vmeZWsuZFQRPvjqSOOo4/3dH+spRTluMsUVHHJT45KNtwFp9Mp/mVnO973AfUqVFS+ZWn2blc3YfHJUklV6k/1lZyU5ehO25JRR5dFaAOqX/pnUFSeZU1Iy6E2JKelMpP9ZUxSYyzRUSURyUhE9Hl02indvY05R1FFFZr3idR9FMoqrCuSf6ukpklPoiuUe+wUvmURx0lEpWVgJUoqKljqI3lsjUk/gqKl8ykqo03EiMeYKip1Nq01EmXukUnmb6gkkqeSTy6rVipcuwBUT0+SSoJK0jGT3L5SOSo5KkkqvW8UokS90gkqCerEklU5K5qs1IuUVIZJVSeOp5JKgnkqYpx2ZGnYqPVeR6sPVeStZXavcCB6qTVYkqvNT9RFSP79W46qeZ89W4a2uJ2XU+gP2N/+RY8b/8AYySf+klpX0KlfO/7G/8AyLPjf/sYZP8A0ktK+h45K5ptzq3NySiiiok+UCSOjzKWioAKKKKrmAKKKiqQLFMooquYAp9MoqyOUKfJTKKyLCn1H/y0o8ygCdKzfF0n/Enj/wCu9Xo5KzfFX/IHT/rvH/6Lkq4P3uUC3H9yOiiP7kdFbR94AkrC8QR/6LJW7WF4g/48biq5iOUf8Pf+RVg/67z/APoyvzq/aMfz/wBtr4r/AOxY6VH/AOSlfol8PZP+KVj/AOvuf/0ZX5+/tWWqWn7ZnjmZOl5omlzflG6f+yV1YeLqRqR7K504Rr28LnC30n7vy6xv461rrzPL/eVkyf6w183G6lytaH6T9nm6FuD93BVCf93PVuOTzI/3lULj/XVhCmoT3Gk47Gnps/7yn6lJTNKj8ujUpPMrms/b7FRV/iKnmeZBVCer8cf7uSsy+fy677W3Qo2RYjm/0WSqNTRz/u6qSSR108q7BOce5JJJ+7qxa/crMkn/AHda2lRyTx06ifLYzp1fe5epRn/1lPjqS6jk+1Uys/s3CSale5T/ANXPV+f/AI9aqeZ+8oupP3FGq3LlpG5Qj/1wqC6kp8cnmVRup/LkrotrcwVWCjct+Z+7qvdSfu6kgm8z/WUX37yr07HLzRjs7lS1/d1BN9+p4P3n/XOmT/u66NOw+aPLYfBJ+7rWtZJJI6wrWSt2x/1dc0nePN0FTv8AZRQkk/eVY8/93Ucn7yepPM/d1EoxlpfUiUtOW9mVJI6juo/PjqSSTy5Kr3XmeXWkfdMKcurehhXX7ufy60tknkRyVmz/APH1WtBdeZBHHW078t7ChCPcj8iSSoPM/eVb86qEn7ySSiN5dDLlv5lTUpP3lZsc3z1pX0e+Osn/AFclbWf2TGqoOV5bm1BJJJb1B5nmSU+xk8yCoPM/f0Sp82yKj72xf8ySSOrf8FV5JP3f7uiOSOSOue0qcrM6bhHH/rKqSSfvKvxyf8s6oT/66qk29lYiMUtypqVQW9W77y/LqhayVfMn8JnOXvWYT/8AHxVy0/1dV7vtT4K6vY+7z9DFNPYZd1Ukjq3dR/vKqSfu6mMk9tDlqQfNzdCSP93H+7ruvgRdfZfjT4Ikk/1f2795/wB+JK4WD95HXUfC+6+y/Erw1J/09+X/AN/P3f8A7UrOpGcoT6mFZ2g79T9TtKk3wVbf/V1Q0v8A5aVerhoOXLZnknPz/u5JKqSSVeu/9Y9UZK7TI4jxVJ5firSZP+ekckdbsdYXjz9xqWhSf9NJI62YfuVjWk+aK7ASf6uo5JKkplElykPUjkkqvJViSOq/mVUfdjdla9GR1BJUj1H/AKyrunsMZJVN/wDWVYk/d1BJRyp7E3I5JKgenyR+ZVetBaDJI6ZJ/q6fJ8lM8ylyvox3IKryfu6sSVXkkqISe3ULjKpyVYkqvJXRH3fiC4Sfu6qST1O9VZqJaiI3qCSrFV3kp83YnXsV5I/3lMkjp/mfu6H/ANXS5mHNbcqSR+Z/rKqf6uSrckm+qlPlkYv3t0xZJJP+WdV/9ZUkn+sFRvXRTfvWY4wS6nxd/rKPM8uiivSlNPVLQ+m5Za3exHcUf8s6k8jzKg2SVEry+FBBzhG6CSPzKxb61roY4PMqOex8yuqnUt8SMJUnV3OPlg8tsUzafSuhn03y6gfTq2pOMtVsebPDSUrGJUscbN0FaUmm1btdK8yqcmtVsKOFmyhBBXQ6bY1btdKjjrWtII45K5HP2c7tOx7tDBpfHuMtY/3daVrH5dSR7P8AnnT656kna0tj14xUehYjkokjjkqvH+7kqx5n7usKcn9nYltvW2hJa6lJYyfu69F8P+I49Sg8t/3c9eXSVc03UvIk/wBZW3LTnuYYjBwrU9Nz2LzPMqSOT93XPeHNV+1R+XJ/rI62v4a4qkZc1kfFVqTwtT2b3LFTQ/cqCODy/wDWVJ5n7us7GVl9pj/L/wC/dMk/8h0+Ty6g8z93SloP3exUk/1j0RyfvP3f+rjqPy/3lSR/6uiPvGcouOvQkjk/eUVHHH5cdSRyfu6V0OLb9y5PH+8qeOoIJI6N9OnbuaSvHqTyeZRHHvjpkclPj/eVctNY7ESjB9SxJJ8lEckdRx1JHHVWuuZFacvNcJJKnjeqlTyVdRPozONqnUk/1dSR/u6j/wBZRXPZmkXzbMnjk8uOrHz1QjqeOSnclJx2JqKdHJT/APWVXNpY007EiVJHHUFPj/eURlfdk8q5rkkf+sNW0qp5nlyVPHJTkmy+UI6n8ymb6EqL23JptdSeOSpI/wB5JVeP/nnVj/V1XTmNItIfUtRf6yipuw5l3LEdOqHzKI6mWu4y3vpaijqxHWY4vmCP95T/AC/3lLU0dVzESjzDI6fvpJMeZT+KOYomR6fUEcf7upI6rlXYq4+pI/3dLsorLmY/QfH+8qxVeP8Ad1JHRGmpPmJbuSR09KZ5lEdJJ9QtbcsUVDUsf7ynJXlYIuw+n0ySOpI/9WaZRIlP8ymJ/rKfTlK4FiP93Sfx1B/rKsR1k0pbjuPjkqT/AFlV/wDrnUiVO25RLT6ZSeZRL3gJ446kSoqXy6P8RNyeSm0U/wAvy6cpcpV1DYkjkqeOT5Kr/wCrqSOOoSuroCfzKI6gkjqRP9XU8vvWAkoop9RKm5KwBRRR/q6KfbqA+l8ykorf0AlSn0yildAPjqTzKjoqJe8PmHVNUNO8yot7t2aEkdJJHS0n+srXmXLcyJPM/eVJ5lR/vKSsuZLcRL5lP8zfVel/1da00Mk/1dEc/mVH/rKEqeQrlJ46KZ5lP8yspy0sSFHmU2nVTVxD6KZ+7oq7s2CSjzN9ElNolVcehHKFVpPMqzVaSSk/e3IuEkkklMkp/meXUElK3vXC4x6jkkpKZJWxcZcpHJTJP3lSVXk/d1lyzDlI5P3dVJP9ZViSSoJ5KUlYOYryVUk/eVPJJUElax95X6EXRA9V5KsPVSSSo9dgI3qhPHVuSSqk8lbSaiMqRx+XPV+GqHmfvKvwf6ys+VP4SD339jeT/imfHf8A2Mkn/pJaV9CR187/ALHH/Is+N/8AsZJP/SS0r6Ej+5XPKMoz942jGxYSn1B5lSb6Uo2KH0UyipAfRTKK1+zYjlH0UUVHKHKFFFFSHKFFFEdVKVywooplSRzD/MoplPquUsnjkqp4m+fQ/wDtvHViOq/ib/kX5P8ArvHVU781iZSsLB92On+ZVe3/ANWlS0/QoHrF8Qfu7WStWsrXP3lrJWkPjI5iP4e/vPDP/b3PXwP+2J+4/bO1T/pv4Z06T/x+evvT4e+XH4Zk/wCvuevgT9taT/jNRR/1KVkn/keavRwXxVl/cNaH8aDODupv3dYsk0cclX7ufzKwbqT9/Xz3s2fpEZpxua0EnmVRnn2T0lrP/rI6ozyfv65adF+15maXZ0umv5lT6l5fl1z1rdeR/q5KkutS8yP/AFlE/fnpuWpNxsXoJP3lZt99+qn27y6gnuvMj8ytOR+15uhnzInjST95WbdSfvPLrStbr93UfkRyV1yk4vma0JleXTQyf4a6zwjN+4krJ+yx+XS6bPJYxyR1yyjCvDccIKEuYtXUnmX0n/XSmSVQkvv39W4P9O/1dDXKXCTqPmW5myT/AL+nzyfuKsSaVJJPVufQ/Lg+/TlWUZRXcmUHKBy0c/7+oLr95J+8rW+wyeZVC+tfM/d11cy5rxOWNJxhpsMjon/uUWkFPuo/LqptEcnS2pBBH5fmVBPJU9qnmVBfR+XVNyRz3XbUjj/6Z1u6VJ+7rm4PMkrpNKj/AHf7ysMQrQ0CmveuQSf8fX/TOpP9ZUc8kfn1HHJ5dTTUrXe5U6PvWZBP5fmf89Kjnk/d/u6J/L8ymSR+XXXGcY/ETKKjotjFnk8uT93V+OT9xWZcSeZcVpwQPHHHJXTORzTl73KR+ZJUf9+pJP3dM8+OsQ8upTvpP3f+rrJkj/eVtT/8e9Ys8nlyVvF2MZcyV7Gnax/u6jnj/eVJpT+ZH+8ouv8Aj4p83Rbip27BG9Tx/vKJJEjj/d0Qf89Kzl7yu9zpjK0rEkE/lz+XVS+/11Pjk/f0y6kj8ys5aFT5SvqUnmQVm2k37ytK6/eQVmpH/pH+rreEV2OOUXLqTzx1bsf3cn7yql1/0zqxBJSqyctOgWcA1KT95VCeard19+qFx/q6uKcdmZylzEkFaXhWf7L448NSf9Ra0/8AR8dZsf7uOrfh/Z/wk2i/9M76CT/yJWvLLo9DlrwXIfrJpP8ArDWrWF4cn8+xtJP+ekEclbvmV49K71voeLL3TCvv9e9Zr1pal9+srzP+eld8veMzi/iFH5n9kyf3J63bT/UJWN8QpP8ARbCT/nnPWlYyfuI6xqrmgvIrlLclRyVJ5lMrXlM7EcklQ06aq8lXyxHysZJJUclS1XkrK0t+gyu9QSVJJ+7qOSjmZN/euR/6uoJKkeo5P9WKqnF8+rKsyOSoJP3lS1FvrV6ESTiRz/8AXSoJ5KkkqvJ+8obsOwySq8lWPMqvJ/q6VKopBKSRHVWeSnySVA9H2yG7i1Xmo/iqOSrlZEkEkdRyfcqeT93J/q6jnqorl3FyldsVHJIKbJUElEVzBr2I5PkqPzqP9ZSyV1wfvWRjC63eh8Y+ZR/rKg/1lW44675P5H2M7VNmJSxx+ZHT/Loj/d1m5W2f3msYOLsgj/d1YjqOODzKk8ui7n00Ks+a6ZHJa+ZUf2GOSrEfmeZU/l/vKLyXvoXs+eXM0VI9Nj8yp4LXyKk8v95U/wDrI6HOfLdG8VGWyCCOOOrEcFRxx1LWHM5fHod00+WxZg/1dSxyf8s6rx1PHRJ3fvbGVkH+rp9L5cdEf7ylLlXwmrjzEdVJ4/Lk8yOr8kH/AE0qCSOpt71kY2ZraPqs8EkcnmfvK9N0rUY76COSvH7WSOul8P6xJa3Uccn+rqZWlKzPLxmEdaN+p6TJJI9Ee+OOoIZPMjqfzKv3eW0UfGVIqL1JI5N9R3VHl0yauSKkpXHHV3K/7ypI6jSmRyVVyakieSlqKpI6jl0uXF82yJKf/q6P9XS/+RKIu4rX2Q2rMf7yOq8nmf8APOpIP3clayk3shzj1toW4/LjjqPzKSpU/wBZRDnW45Lljy9AT/WVJJJ+8qP+OiOPzJKU33ZlyssRyU/zKg/1dTx/cojG8rocY8vvhHVjZVfy9lSRySRx01Zz2OhyjLdk8cnmfu6kj8z/AFn+rqv5nmVJ5n/POr5V0FF8vQsSU+CTZHUEfmeXUlZWJlLm2Jv+WlSUzy/Loj/1hpa81iorm3J45Kkqv5mypPM8yifuRuVOPYnj/dyVYqp5nl1JHJ5lNSf2hk8dP2Uyn0pau5PMS0+q6VYrOOkrl8yHx0lLHSVpL3ii15f+qqRJKijkp/8AyzrG5NiXzPM606oI5P3dEclON1G9xE6VY8yoEp/mVp7zjZC97uWPMqTfVeOp4JP3dTfkNFqEknmVIn+ro/1kf7uj+Coi7k8pJ/q6kplPjquRladR6VJH+7qv/rKs1LfYB0cnmUUR0fxUrjsPqVKiqWrvELD6kj/6aVHR5dZhYkj+/U6VXqx5n7ulcLknl0f6uiOSlqX7vxBYfT/M8yOmUVVwsixT45PMqvH/AKs1IlToDVx/mVJH+7pkclP8yiPuglYn30JTI6fUfBK5Qb6lqKpa2K5hPMqTzKZT6j03JCn0yOis9REkdSVHHJSUfw9xlj/WUUR0VEoOPvoA/jp1N8ynUo+9uF33JqKhoo9AJZJKXzKhqajl7khT4/3lR/wUJ/rK6I+7G5pzFmoabTqx5m9iLE1Rb6EpKfKuoyWP93T/ADKg30JUxik7FcxPHRTad5lPmb2K1H1B8lLJS0NKW5kRSSeXUElT/wCsqtRb+UYU2ST93RJJTN9F7q63FYipklSSVXkohUa3GElVHfzKsP8A6uq/mU5TctjUgkkqCR6nk8uoJPnpx1MbFST95VeSrElVHo51DYZHJUElTyVBJRJSl8IFST93VSSp55KgnkrWMLb6kS02K/8Ay0q3B+8qjHJ+8q3BVcq6BHQ+gP2O5P8AimfG/wD2Mkn/AKSWlfQEclfPf7Hf/Iq+N/8Apn4kk/8ASS0r6ASuWpH3zoLkdJTI6fWXvgFS1FRSAloqPzKkrX1I5gp9MooDlCiiisg5Qoooq+UsKKKKp6kcoUJRRQWTx1X1z95o8/8A2z/9GVJHUGuf8gOf/tn/AOjKnlMpaBB/qI6SmR/cjp9XY1CsrXP9Q9atZWufu7WStIyUQKnw5/eeHJP+v6T/ANp18C/twrs/bOQf3/Cdl/6HdV99fDn/AJAd3H/0/Sf+06+Av2638v8AbY0w/wDPTwVaP/5Nz104WX8TzVhU/wCIjzKf93HWLJ/rBWtPJ+8rGn/1leRKS5uVH6LT2H+d5dQXUn/POnpTJo/LrOL5Z6mkmpRtEIN9TzxyeXUdr+8kq/JB+7qKrcZc1jT7HvGb5dE8f7up4/8AWGib/V1Xtl2IpwRUt6k/1dRwSfv6ju626809jWdvsljz/Log/eVHHH+7qTzPLjrKXI9tDPXa+pQ+y+XdSf8ATSrcEmyOqkl1+8o8ytLdxRk47F+DUvInj/5aVs3Wpf6D5lcnH/x8Vb1KfzLWOOueNPmldIUZt/EWLW689/MqO+kjkk/1dZNpP5clR3WpSeZVxouMyY1E48prQWsElM1KCOBKoWN9JUmpT/u/9ZUzXTqVp7O6epXgg8ySqmpQyR1f026qPUpK3hKS3OSMeaN2UYI/Lrd0qT93WLax/u/MrWtY/LjqqvMoG0YcztbQqTyfv5KI5N9E3+sojkp6zhuc0oxjK6ZmzyfvKknk/cVHdfu5KJ5v9H/d1S8zOU2o2iYs8/lz1p+f+4rFupP3lX4JN8FdEoNHPOWt2Rz/ALz/AJaVHHH/AM9Kk/jqSCT/AFlXztxskTCDCSPy4P3dYt9J5klbUk8fl+ZWLN9+to3j8SsRORb0eP8A791Jdfu5KfpUdGpf6ysZTTlYVODvzFST95HU9p/qzUMH3KfHJSsnsw15r2J/M/f+X5dQXUfmSVJH/wAfFR6l/rKOVylZaHQQP/q6zfPk+0Venm/d1myfu5K2OSUnEtXX+rpljJ+8/wBio7iT93RayfvK0hEwkm5WbLl95fl1n/8ALOrF1J5kdUJJNlKEUpWbNKseX4VqWIZqn02fy9VtP+Wf7+Os3f8A886jnkkjgnkj/wBZHHJ5da1YuJ5lepPltc/XLwdN5+h6TJ/z0tIP/RddLvrj/Ackcnh/SZI/9XJYwSR/9+66uvIpNRPLMe+/4+KzJI/3lad99+s2SunmK5Tj/iNH5ehwSf8AT3H/AOi5KvaVJ5lpH/1zqD4hR+f4fk/55xyeZUmj/vLGOT/YqcR70bhymlTKKSSrjp8JncqSeZHJUdWJJP3dV5Ke2+4czIJKZJ8lPkkplPmiIqSVH5lTvVSSnYBj1XkepJJPMqOSixVhkklQU+SSoJKcdAv3C4qp5lTzVBJJVxaluiSOSoJP3dP8ymT0Kmo7EwZXkeOSmf6unyfu6gnk/d1clcojkqCSSpP4arvU/ATJX2FZ6qySB6dJUH+roj72wrMjkk8v/WVDTvM+emSeZ5laS90V4rcjeoLinySVB5nmf9c61jJQjzPYnlPjmOOpI/MqOOp/Mr1J6y5kfWRlDZ7h/rJKPLpafHP5klYp8r5nuXTqS6okjk8uj/lpR5dP8zy61lVj8MVoawVtxaf/AB0Q1P5fmUtHGyZcYqrs9SCOrccdR+X+8qSP95XKk3opaFuny9NSSOp/9XUNO8uT93TvGErHTBe7csJT4499EcdSf6usOaUza3u3ZHJHUkf36I6krXmS9x7hGXN0LFU546kj8ynvWNSTla3UrlZmz/u6t2snlyeZUE8FEcla06bveRjK0t2eseH76O+0qCStKSuM8D6l+8ktP+en7yu38z5KxkuWVj4DHQVOvK63J45P3f7uqlxU8FMupP3dZRjy69DgjrG5UoTzPMo/5Z/6yiOT/lnWrjzO6Luuo/y/M/6Z1LVep46i3vWL5u2gRyVJH/z0qP8A5aUeZ+7rSUVEnfbYt+f+8o8z95UEP7ynyf6ynGNieZzjyk++l8z955dR+Z+7/d1J/rI6zlddRSk3tsTx/wDTST/V1JHJ5lV0jqSSPy/3lEoN/EXacyTy/Mp8f7umRyU+OTzK2pxlexf+IkjqSP8A1lR0SR/vKidPk6mMbR2ZP+78z93RHH+8pnmVPD/q6mNl0KlK+zsSR/vKkqvHHU8clRb3rIqzh1LEciUR/vKjjk+SpPLqFJR2NuYfGnmSf89Ksfx1XjjqT/V1qZ8rJP8AWVP5fl1U3yVbSTzKy5jSTUSSOTfRR5dP/wBXVS94I+78Qb6kjk/eVHQlTGKQyxT46hp9EVYCeOSnx1XqaoHzFqiOmUv+roFL3ifYKk4kaoo5KSiPvAWKkjkqvHJUnmb610L0H1Y8yoI6kqJKwE8dSVHHR5lQ/e3J5iSOn/6yOoI/3clT76vmHYkjp/mfu/8AppUGyp46WnYYVJ5lJTI/kqXF9CeUsR/u6f5lMSlqeUvmRNHJUkdV0/1lSRyU9Owh6f6yrNV46f5n7unJ8w7kn+rqSOo/M8yjzKkomqX93UVTUadiHoJ/HS1FH/rKseX+7pWKgySOOn+ZUcf7unUcrGS1LUcFJWfK73Aloooq5K+2gD6KI6KQBRRUkdZyTlKwXRIlFFFSk4ys2A+imb6fROIBUnl1HUkdHKiBtFFFDVyiaOioamjre4wojqOSpKy1EP8A9ZUf+rojkqTfVcvYZHHJT6b5lOrO3JsA2P8AdyU/95TKKIyUQLFQ0qUfu6qz+QtRKhkqSSq9Tr0Rpy+7cKY9D1FWkGuxlYWSoKmqCSp23GQSVXkq5J+8qpNV69BleSSoafVeSSlyvqTcgm+/UD1PcVA9KMeboUV5KZ5lPnkqpJJVy92PKVysgn/d1Ukerc8lVJKUZOWyI5WQR/6yrcclUP8Al48yrdv/AKylaPNe4rn0B+x/J5nhnxvJ/wBTJ/7Y2le+x18//sf/APIs+O/+xok/9IbSvoCOs5u89DTmLcdFV0qTzKzlGxZJHT6ZHR5lEVygPoooqgCiiip5gCiiips+wBS+ZSUVoAvmUlFFZ2fYAqWoqKfKRykqVHrP/IDu/wDtn/6MjqRKj1yT/iR3f/bP/wBGVfJbckrwSfuI6nqrB/qI6fJ+7p3NSR3rJ1iT/RZP+WladZmqf8eklPlQcyKnw5k8zQ55P+nuT/2nXwJ+3dH/AMZu6Mf7/gO3f/ybnr73+Gv/ACA7/wD6Z30kf/kOOvgz9u9f+M2PDI/v+AIf/S66ralJx57gvjUjyi4/5aVjXUn+srZj8ySPzHrF1L/Wfu64Pd5rH6VGLjC6C1/1gpbr93JUdp3qS+j31zyi1PciEgtZK0v+Xf8AeVjWv+srZk/1JrKpC27ub3ly3kVaryfvJKJJJPMpJq3pR5dzP3/kQ75Kjkk8ynx1BP8A9M6UpLqhcxPHJUkkf7uoIJ/Mp9xJ5cdE4c5BR8v9/U8f7uoI/wB55lEkn7vy66Ka97l6ExlNO4Qf6z/ppU99/wAe9UIf9ZVu+n/cUpRtK8Ry0WurM2DzI6gnj/8AIlW0fzKqXE8nmV1xg5+ZxSVvhLVjBJTNV/d/u6ktJv3lV9Sn8ySsuVc5r9mwyx/1dF1PUaeZUF3NJ5lOUFIU4eZPBP5dbVjJJ5dc9BPW7pUlZ1dRxUoysipdfu7r/WVJbyVX1KT9/Swfu4/Mo0tawThHmu9yvdSfvKjkk/d0yf8AeSUSSfJVR5mc8ouEbyMXUv8AX1bgk/cVU1LzPtFTwSfuK7/Zx5b3OOMlKVwR/MnqSCb95JVT56gkn8uSp/wF8zLc7x/6usyef95/sVJ5/mVmvJJJXXTino9zhq1OXZHQ6VP+8jq3quzzK57Sp/Lkq9dTySR1yyp8tW1jpoVl9okg/d1JH/rP+elQQfcpErGUeaZpzaXiSSb45Kg1Gp5I/LkqO+/eVbfNotwkpyM2T/ViqD/6ytaSOPy6yZI/3la0lJvlkclVNaR3JJJPLjqOCT95Un+sjqOOOtF7u+xjKMpSsST1BPH+7qd/9XUH/LPy66PcnCy0YpXUbPUI6fJH5dQSVP8A8s9lc8ocqv1MpWlDY/U74SSef4A8Lyf9Q2D/ANF16HXl3wIuvP8AhX4T/wCmemwf+i69LrxqWtSZ5Zlar+7krJkkrX1b/WViyV6HKjLQ57xx/wAi7d/9s/8A0ZUfh+T/AIlsH/XOpPGkfmeGb/8A65/+1KqeGZPM0qD/AK505yXsSbG1VeSSrFV5I/3dZOooiI5J6gkk8ypJI6ryfu615Y8th3GSVXqxI9QT/wCsrGnBE2IpqgkkqSSoJP3lby0GRyVBJU/mVBJ+7kqbPuKUuUipslOqGSnYZHUEklP/ANXUEj1VxXGSf6wVHJ+8pHpkj+XHV2YuXsRyfu6geiSSoqynHS4XYslVHqxJJ5lV6vla3FoQ1Xep5Kgk/wBZ/q62D7VyvJUFxJ+7qeoJIKq2ljCTk9ytTe8lSSVXkkq+XS89jSUlGN0fHsclP30yOPzI6njr1PsW6n0tNdwRPMqx5Hl1HHVis6cZ83NLY9GPNLYKf5fmURx1P/yzonr8I/UgT/WVPHHTI4/LkqfZXPP2lOVpMqMeZ2JI4/3fmUeW9EcdPjq4xhLZnRypbjPM/eVbjkqPy0qx5f7uufl97bQ6IyjETzKP9ZJUifu6kjjq+b2nwuxMW3G9gjjp70Rx+XUtONpT5bkWcyvRHH5lTyR1H/q6ylOPRX9CuVdyP/pnVXy5I56veX5lQTyfu6uEpESajtqaXhWTy9cjr1GP/V15Bps/kTW8n9ySvWLWfz4I5P8AnpUVoTSvI+bzaCbjLuW6juqkqOf95WUVc+alNR6FT/lpU6VB/q5KP+WlVMUU073JJJKfHPTKj/5aU79inePxFuOlqKpI/wB3TlJyM5NOV07EkdHmb6KJHpRk47i957LUfHPJHViOTzKqR1bjk/7Z0p27alxfL8Q9JKkqCSP95T/LojBs6OZctw8zy5Ksef8AvKrVLHHVyfKYOfZk8dSRyeXHTKI46j2qvc10h0Jqkgjpn/LSn+fURfMYzlHmuSVJHJHUCVPH5dVLllsTzsnSpPMqCnySR1EUo9Dbm5yfzKI6ZH/rDT/4q2hFLW9kKTa2RJH+7qeOSSOmb6JP3clZJ8srM0iuaN0T+X5lSRyfvPLqvHJJJUn+ro5ZdyyepI6jqSP93Uco5SUQkqSOo/MqSqimxD/MqWoal/jo5Va5kWvM8uOkjk8xzRHJR9ysjUdHUkcn/fyo45N9PqBydixRHHTKelVa+wJ2COOSp4/3dR0sdaRaUbtFE9SRyVHDR5lRaQXRYoqOOSSSSpKUVcdx6VPUCURx1dly3uInjqT93JUdEdKOhMnyj6lSo5JKkjkqbBF8xJ/HSUUUWKH1L5lRx/cqSi4E/l0tRJ/q6lqLDuP8yp4/LqrT/L+elpDqFyxSb6j8ypP9ZVR0Cw/y6KXfJUtK4cyHR1JHJ5lRxyVJ/rP9XSS5dhLUfHS1H/q6fHVP3iwjkqSOOmUkdRL3QJKfTPMo8ys7sRYoqPzKI6OXW4rj/wCOloqKtLruFyxRTEp9KbRQUUeZRUyVlYB1FFN8yosNpy2JJKbTvM8ym1pKNyNew7/V02iis7OGzKJo6Ty/3lLT0qo2XUCPy/LpaT+OiOSiPvbilddA8z95TJKkkqPzKmMlGVgCOo5KPM8umVpKSiMN9RySUlFZxcpfCTcZ5lRyUSUySStpQUguRyfu6q0+T95UeylJqAXIJKqSVbkqhPH89RKal8Jd+4z/AK6VXkqfy6gkp8zFGXKVJJKZU8lVP9ZJVyuuhUpcxA9U56sSSf8APSqk9Z+9v0M7kf8ArJKtw1Qjk/eVfg/eVrFNbu47nvP7Hf8AyKvjf/sZ3/8ASG0r6AjrwP8AZCk/4pjxv/0z8SeX/wCSNpXvEdYSV5XWhfKW0qWq8clPqOV9yyTzKWoqKXKxcyLdFQeZUkb0RfMMP4qfTKJKoA/ip9Moo98B9MokplTJcxHMP/1dFMoqg5h/mUUyn+ZRL3SyTzKj1iT/AIp+7/7Z/wDoyOpI6r6xJ/xI7v8A7Z/+jI6I+8AyB/3cdP8A9ZVWx/1EdW6IARVm6x/x6yf9M605JKzNY/eWslbRXKRzFH4c/wDIHv8A/pnfSf8AouOvhL9vyTyP2yPAT/8APTwbGn/k9cV92fDmTzNK1L/r+k/9Fx18Jf8ABQJN/wC2J8Pf+xQj/wDS6etIbyXcun8cV3PI4/8AUGsm++/WtH+8kkkrM1KP95Xkyfv6n6O7uN7jLWOOOn31QWsflyVPqUf7ulfknfoax96mUbST95WzH/qzWFBH5lbsfmeXVVuWp8JlCXvcvQqSR0ySTZT5/wB3JUEkf7ynHmUbPUuUnHqQSSUk/wDq6ZJvjkoeSTy6iVHm6kX7hBJ5dE9QRx/u6J5JPL/1laSs9mTOT7Ecf+skqST/AFdRwSfvKJ4/3da81nZkxdiOCT95Ul9J5kdRwUy+k/d0teqJk01yrcjjk/d1Qkk8yercckccdUZ5P3lax1dloYXny8ti3ayeZVfUZPLkqSCSqF9J/wAs6OXkLi0i/DJVS+k/efu6ZbyVHd/6s1ZE5PlvYfDNW9p0n7uuagk8uOt3SpP3clZziy6VVyGX0n7+iP8Adx1Xnf8AfyVJ5nyVhOl74Ta5rkEkknmUeZHUckkfmUR/vK74+6c8pqX2TJvv+Pip45/LgqDUo/LnqeOPzIKbglszCVPlIJJ/3dVJJ/Mq3cR+RHWb/HVQi+hyTqeehHJJHJVST/WGrcm+s2SvUo0lKV2eXVk5PyLVr9+r8k3l1m2v7uSr8/lyR76zqKUKmiOml7q13L1r+8jqxb/6yszTZP3dacH/AD0rhtyz95WOmnLuyO6/dz1BdSfu6ffR1Bd/6gUNXNJOciD/AFcdZk8n7yr8HmSJVCePy55K6KUoP1MKnPutg8z93TI5JPMqTzPLjqv5n7ytaceboc/M+a0S3dSRxx1U8yrckfmR1U8uiDVPc0lLmB/9ZU/meXUHl+XUn/LOtpNSjZI5OZ8rXc/TD9n6Tf8ADXw1/wA8/sleueZXjn7Nknn/AAr8Lyf9Olex187D+JM8uXvGTqtZMklbOqVjSV1RvHqQc94x/eeGdS/3KzPCMkkmlW9bXib/AJF/Uv8Ar3krC8HSf8SeCqqtxh5AtTd/1clEklElNqIvmjYsik/eVBN9+pqr1pFyZA2oJ6fJUElZ8oEVQT1JJVenzPsC1GSUyT/WCnyVBvrp5QuhklRySVJUclPlAgeq++pJP3lV3Ty6xm0RLyD5Kgk/d096gk/eVMbrqWtCGq8lT/x1HJ+7rWWpMXzFSSP95RUtV5JKrmYpe6QTycGq/mVI9V5/3lOL5dzPmGSVBJJJU8kdQSVpG66k35tFoyOSoHp8n7uoJP3n+r/eVtD31y31CV47o+Q0qWqf2urEcnmV6NbVcq0PpYz5upP5nz/u6sb6jjjqfy6TpxludkeeW2hJB+8r0L4e/BnXfibY393pM9jHBY+XHJ9qnkj/ANZ5n/TP/pnXnsdfS37Kccf2HxD+8/eeZB/7Uqo0eaF+hyYqU1Tc1ujiLr9mnxvD/q7Sxn/64Xcf/tSqEnwF8d2v+s8PTyR/89IJ45P/AEXJX2HHJ5cdTxz1cXF+5I8GOZYiG7Pie6+F/iW1/wBZoV9/2zjrMn8M6la/u59NuoP+ukEkdfd8c0n/AD0p/nySf8tJKK8IdNDSOa13ufn/ACWM8f8ArLSf/v3T/Ikkj/1clffX2WCf/WQRyf8AXSOql14Z0a6k/f6TYz/9dII6j3YrV3Z1Rzeouh8GeTVhP+edfbFx8K/B91/r/DVjJ/2zrJuvgX4Ikk8z+xfIk/6YXclZOMZbm8c7afLynx7HB+8qfy6+rZ/2c/Bl8nl+RfR/7l3JVCT9lvw1J/q9WvoP/H6JUkpWizqjnUI7xZ8w+X5cf+ro8vzJK+j5/wBlO0/5YeJZP+uclj/9srNn/Zb1KOT9xrumyf8AXeOSsvqicrI0jm1F/ErHg32Wsm+j8ivfZ/2YfFEf+rv9Kn/7aSf/ABusHxB+zL4+8iTyLCxu/wDrhfRx/wDoySOlTp+zq2ktDWWZ0JHjlr+8r1XwzP5+mx1kwfs+/Emx/wBf4TupP+uEkc//AKLkrrPD/wAOfGGlWvl3/h6+tP8ArvBXRWgnszzcXiaNelZO4RyeZJUd15la0mh6lYx/v7C6j/34JKxb6T955cn7uSuCNPmd0tT52T5SvUvmVH/q46Pv05UZxJlUUVZEkclPpkcf7yn/APXOp16oxhVvsCVJHRHHR/y0qJJvobxXNK7CP/WGp/L/AHdQf9c6kpFytGXMPj/1ZqRKjjk/d0eZVW0uRKUn5Fj/AFf/AF0p/mUyOT93SeZRNlUmlsSb4/MqTzP3lQfxVPHJS93lsZ+8SfvKTfQ9CUoq6uEotysiSOrEf/TSo4/L8yj+KpmwjC3QsU//AFdRwVY+eqipdUOUeXYI5Knj8uoI6bW6szb2aLnyVJHHUH+sqeCesoxbVwmtbFij/rpUcdSUpWlsaRXLHlLFJ5n7uo4/3kdS1NkUPjkp9MqxWUlykyjcT/WVJRG9HmVcfeKikg8ynx0yOnUo+6EfdJY/3clW5P3kdQRx06lKXKAsaf8ALOrH+rqvH5kdSeZWdirFiOikjqT/AFaU4xi3e5OoVPHHUFSf6unyvl5SdV8THxyeXUkdM2U/zKcXympJ/wBc6kjqOP8Aef6ypKnQFqOqX/V1BT45KrlYrkkdPptOjqJNoZJHUlRVLsouAb6fHRRHSuA+rCVB/wAtKkpAPqSOOo/4KKAJP+WdSR0ynx/PRvsARx1OlQf6unx1G0eVllg9qP3klMp0lNSSM7CxyVJHJUccdP8A9ZJS5rKzKsXKipkdSfx04MZJRRRR7PzK5gp9R/8ALSpKle7uIk/5Z0R1HUkdZ+z93muAlLHSUsdRyW3YElPplP8A9ZWm+wrBJR5lMehKpxctxj6KZT6qy7BqFOptFROSHzEkklNoopyly7il7wUU6OpKXL7tg07ENFFFZ/ErgO/1lNp3mf8ALOiSrhBLcmxHRRTKrlYWI5KSlkqOlGN5XCyI5KjepaietJLmCxUkptWKrPU8oyCSqFxV+SqElXYmRBJJsqvJVh6r1M4h9mxBJUElTvVSSq5WEdCOSSqM8lTz/wDPSqkklFgWpH5fmVfhrNjk/eVpW/8Aq6cdCz339kL/AJFLxv8A9jRJ/wCkNpXvEdeB/sfyf8Uj4z/7GST/ANJLSvfK5pPllZmpYjooojqNexHMFPplP30uZhyhUnmVHvoq+ZBzEtFRVLRzIsTzKWioqd9LgS0VFRRb3bgFS1FRWXKBLRUVFaXAsR0ax/yL9+n/AEz/APalRo/l0zVZP+JHd/5/5aUo6mRXtZP9FjqeobH/AFEdTVehqFZusf8AHrJWk9Zusf6mSqjJRAzfhr5n2HVv+Wey+8vy/wDtnHXw7/wUGh/4ys+Hz/8AUog/+T0lfcXw2/d6bq0f/T9/7Tjr4W/4KDXPl/tbfD9f4P8AhEQP/J64rpw/LVqWew4rlqHjUH7zzP8ArpVW6/1n7yp44/LqhqUleK6cvabn6PGzhawQSfPVu6/eR1m2sn7yP/pnV66k/d0T+Kw4SRRgkkjrdtfM8iuejkeSStqCeTy6mt/eLTUdipP5fmVHcUTyUlXGHMRO1TZFG4/1lWP+Xeq91J+//d0R/crblcDCT5dFuFQTyfu6I38zzKH/ANXSklIW+i3I4P3dSSTyURyR+XUc0nl+XWnKZ/b0GQSeZJRff6sUQeXJJUepSfu6mXvFVIvm5okf/LvWTN9+rcckkcfl1Rn/AHk9aU0+a0jnqybje5bgqpdR/vKnjk/d0dpKv7XKZxk1HmI4/wB3HUF1+8qSOT/lnJUd3H5cdXGLjuW5c0byI4/9Wa3tDj/d1gwRyVvaVP5dTKXKTFW+Er33lxzvTJI/MjoupJPPokkeOlf3b3L5mV/M/eUXUnl/6umSfu5KJJPM/wBZSt71zCT5vhMy6n/ef6yrEDyRx1UvvL+0Vbg/d2ldEqikYSvLqV5P3lVH/wBZV/8A1klZt15nmeXXTT9+VjGVlurleeSqtWpI/L31RkruptQ9Tyq8eSXNYfBJ+8q/PJ+7rNtfv1e8z5KwrKdSZdPmqR5kWNNk8uStLzP3lYtrJ+8rWj/1grkkm53nsd1KonT31JLqTzKgn/1dST1HJ+7jrKx1RlJFTzPLrMf/AFlaf+sj8us2T93JXTTfu2SOCvKXNYjkqv8A8tKtv/q6o+Z+/rrpScuhxzlbV7Gl/BUEf36njk+SoPM/eVjKnzdTrpyj0C4ojk8yOo538yOmVSio7s569ROfun6Q/sryeZ8GdC/6Z+ZH/wB+/wB3XuUf3K8C/ZQk8z4Q6T/zzjnkSvdY5K8Sm/aVJX6HmVIsqax/q6wpK2tVk/d1iySV6Hs/dvYyuYvib/kX9S/69JP/AECue8F/v9Hj/wCmf7uup1iPz9Ku4/78Ekdcn4Hk/wCJV/10/eVnUj7gJ3Oo8uo5I/LjokqOSs+dBcZvqKlkpkj1oFiOSOoJo/Lp9Mkk2Uoq5NipUclTyVBJWkopdRkcn3Kg31PJJ5dQf6ylGMmZyjfbQjf/AFdVJJP+elXKrySUXlzWNCCSo5Pnokeo/Mpa9wjZ9CCSSo5I6kuP6VBJJWrfLG4m7hPVSST93U8klQSfPUR94UnyleoLipW+9TJe9XzCK1R+XUj1FVadURKSZDJUFPn/ANZTJK1jJRI9nre5Tk/eUz/lpU8n7yqkkcnmfvKmXL10Cd+blsfHMEFX4KoRyfPVuOSvdqe8+Z7n0UZqOxpRyfu6k8zzI6qQ0+sPj6nfzssRybK+mv2Xv3Gla7J/z0kg/wDalfMsNfTX7Nn/ACLN/J/038uuyMZRozVtDlxUV7Fq+rPcvM8yOpPMqnHJJ5dWI64ackfGyfJo9yeOep/Mqon+sqxH+7q5wYRcpbFvfT46o+ZT4561jFLoXK0ehfjod/LqCOSn+XXPL3dwgrrmiSef5dSR/wCs8yq9SR1XNHmvYiUmieSSiP8A1gpn/kSn/wAFOMnHZGvxliOnVVjnqTzKz+OVmTYvxybKn8zzI6oxz0+OeOpdNy2K23JJJJKjkj8//WRxyeX/AM9I6I5Kk/1la8ivciXvGZPoem3X+ssLWT/thHVSTwXoV1H5cmk2v/bODy63fLpf9XUWlU2QRXKcnJ8K/C8n/MFjj/7aSf8Axyqk/wAGfC8/+rtJ4P8ArnPJXbyT1HJJTlZjlKD30OB/4UX4ek/1c91H/wBtKqX37PthJBJ9k1KSOT/ln5kdemxyU+Os7O1rmkUpRukfPHib4Vz+GYPP+1xz/wDPSOSuI/1lfQ/xYj8vw/PJ/wA845K+ePMrnny7W1MJOUpWD95U8f8AqxUHnVP5/lx0exa3OnRbh/q/+WlSR/vI6jjj8ypPM8uSsdFKzRnH3Xz9B1FNkk30+CP93RFpStYuU3L4SSOSp46jqWq0+yK+l2PqSOTy6j8z5Kkj/wBX5lRGz6F625h/mfvPMqx/yzqvBJ+8ok/66VEajkTeXNexYjkjk/66U2mw1Yp3LlzIelSf6uo99SR/u6qM+Y0kuZWHx0+mR/PViORI6mL5TOMuXcKfHJ+7plPjqZe8XZz+FliOn/vKYn+rp++gvbcEqSP95UeypaI8qAfHTqbT/LqeWQWRLT45KZT/AOOjmRVx1S/6ym8eVUiY5o5iRalqP+OnxyVWhVw8yrEdR0+iXuxuTL3iWio0Ty6en+spcr5bthZ9iSP95Viq9SR/cqeUcny7j4/3lSbKZHT/AOOpuwi+bYlp3mUzzKfHQUSR1JVen0oqwFiiOmbKEoirhoPqx/rPLqOOpPMqQH0JRHH+8o2VVwJI6P8AV0R1JWcIyUryAI6nj/d1BHT5KuduW6QtSfzKX/WUykjkqL32NCeOpI446rx1J/y0pbRuwJ6N9LHJ5lI9RF8oRsuhLRRRXRF80bECR1J5lFFZVIjsHmUUfw0UfZsUFWEqKpdlLUmwUb6j8upKz0EJ5nmUSR0tFLm5C5e8FFPo8yqjP+bQm4UUR0VEpKUrsQ6neZUdHl1ag5eY7DqKKbUVJPoVH3ST/WU2m1JHShzQ3AbTakkqOSSuiOhAyik/1kdLS5XzXuWRyVHJUklQVVu5NwqJ6lqvJHRbkC5HJVOrElVfMrGLa6iI5KqXFX5PnqhP8klbSXMWR1Uk+/U89QeZSacdibED1Umq3PJUEf7/APd1e24WKEkdVJ469R8M/DnTfEGlfa/tc6T+Z5ckaVbuvhPaf8/c8lOMVLzIm7bnjkEf7ytKOP8Ad13c/wAPYLX/AFckn/bSsHVdN/s2Ty6v/CTzX2PWP2P/AN34V8b/APYySf8ApJaV9AR14P8Asix+X4Z8af8AYwSSf+SlpXvEdcMm5Subx90mp1NopGo6im06nYAp9Mp9KPvAFFFFHugFFFG+ojHmAKZT6ZVxvHS+hkPplFFVyormCn0yio5CyeOoNc/d6Pd/9s//AEZU8dM1j/kDXf8A2z/9GU46gU7H/j3jqxVex/4946sVpH3gCSs3VP8Aj0etKs3VP+PR60j7pHKUPhz/AMg3VvLj/wCX6T95/wBsI6+Hv+Cike/9pb4YS+vhxz/5Nn/Gvt34Y/8AHjq3/X//AO046+JP+Cjf7v8AaH+Fb/8AUvz/APpXW+FX7yxotzw3zN9UNR/1dW4P3f8ArP8AV1HffvI/+edeVUilVsz9DX8PzMm1jrTn/wCPeqFr9+r91+8gqZ2gTqtyhB88n7utOCT93WRBP5f7ute0/wBXSmhRXNsynP8Au5PMokn8uOi+jk8ymeX5kH7ylzIrla+IpzyRvPUn8NQT+X5nmVJHJ+4rWUuaNomUfeK/mb5KY7+XT444/wDlpUN1/rKiLTFqPjon+eOiPy46jm/1dXe0rvYmVOalzEkHlyJ+7qnqX+sqSxj8uoNS+/W9iJOcY3ZH5n7uqMkf7+r0cf7uqM/mef5lawaUrM5rP5E8ceyoLqT/AJ50+CfzI6ZPJWcvj0KiuaNkEEn7uo5/3lEf7yOo/wB5HRD3JXCy7iwfu60dOrNjrW0393Sm+bYf+AgupJPPo8yif95P+7qP/rpWl+SBUVreoQSSfPUck/7z/WUskn7yq8n/AE0qtOa1jOctLsqXUnmT1J5nlx1Xnj/f1JHJ+7rSVPl1tocur2QeZ5kdQSSeZT/9XUGz955lONl1Oecm9FuSb6ybqT9//wBM61tlZN1H+8r0qb5VdHNiISUAg+eSr08f+j1QtP8AXmtOT95HVtznK5hQn7vKMsY/3lbMdZNr+7krajk8uuHFRlC3mehh4pEd1Vf+Crl1J5kdVH/1dcNNnXGTfVFSOOqF9/rBU/2j95VSauyUeVXb1OWq+Zct9RY6oSSeXJWlBVB/9ZW2HXK7s5a1uxbg/eR1BJJ+8qSP7lRv/rKmT5anJF2JirRvEY9CUbKfWzetr3MJRly8zP0E/ZFk8z4T2kf/ADzu5/8A2nX0JHH8lfOH7GknmfCGw/56fa5/M/7+f/G/Lr6PrwYW9vPU8676so6j/q6xZK2tR/1dYs1d/MybFS+j8y1nj/6Z1xHgOTzNKrt7r93BJ/1zriPAH7vTf+mlTU9+ARd3Y6zy45I6ryVJJJJUEn7uojHljaQpaEclMkenyUyqv71gK8klQO/mVO9V6vUCF6iqWSSq8lEVzAElQb6kk/eVBJWnKAn8dVJ/v1Yk/d1X8vy6l+9sK5BJVd6uPVa4xUxVtySKSqb1PJHUdPfYTcZFeof9XU8lQSSU46xuBHUUn3qlkkqCT95Wvsny83Qm5BJJ89V5PMkqTy/LqP8A1daRjzGUbSlZogk/1hpklPeoP9XRyyp7I6FaPQjqCSnySVBNWvJ7b4tGY83s48zPjlKkjk/eVQjk/eVbSvWkveutj2k+71NKCSrH+skqhHJU8cn7uuWpTlKV0rHRTrKJfg/eSV9S/s2R+X4Dv/8Anp9u8v8A8hx18pwfu6+sP2c/+RAkk/v30n/ouOvSoqapcr1IxlZOlzHrEdTwSeXUEdSJXE1yyvsfKTkqkrotedT6qwRyf8tKsVUqnNCy3FqOqT/lpTPMjkjqSP8A1dTfqXH3h8dW46qVYjk8utJx+31HTH+XRR5lSfu5KyjU5pWsOowjkp/nVHUvl+ZV77E8in1CP95Viq8ceyrFTKN9tDJR5diKpI5P3dRvUtTK/exrd9x8dPjkplFHwBzrqT/6yoqXzKk31rTqJx5Vua8vu3JI45JKTy6ZHJViOOo5ftsmMVIj8vy6kkjp8cdSfZHqZOKdwi+Xc4D4t/u/Ad//AN+6+dPLr6P+OEfkfDm/k/6bwR/+R46+dP4q44xcp+0exMVaXNYPL8uOinUsdZuMufQ2leXUkSpI46jjk8upP9ZUxpOWvQicn9nYdUtV6kjk/v0e79k0jZxu0WP9XHUlV6fspVIroVzdix+7qP8A1dLHJ/z0/wBXT5Pn/eU6bXLdmdWEZdSSOSpI46jjj/d1PHH+7pafZRnGMoki/wDLOpI6jj/d0+OPzKUouOxtCXvWJP46P9ZJ/q6P9XUkf7yp8+hTjOW4+OSSj/WUR1JJ/wBc6m5MoxZJ/BT46ZH/AKuhKcYqWxrzFuPZJRRHH+7p9EYuMrD5e5JH+8qSq8clSeZVzt3FzEkdOpsdPjqL+7YOYkSjy/3lCVJJHWN19ouPvE9FRVNSL0E/6509KdHjFSR1NiBKnjqOpI5K05mK8Qj/ANZU/wDrKZT46uWpUXzEtJ5dEf36krKWpD97cKelQSVJWkYXFKV+pPHRHRHT/L+epScdmbD6KKX/AJaVF/esBJT6ZRvrWyAnSTy6kjjqv/rKfWZMm0SJ/rKkoj/56Ub6rmFr2JaT/WUtJHUTZWpJT46ZTqjlXUqKsS7KEo/1dCVnGMolD/MqSOo6k8uujRbgSJ/rKPLo/wBXRHJ+8rGPvE3H1J5dMjk8ypKvfYQU+iis9ftMdg8ypI6gp9aRjyhcfUu+oqKVoiJaKNlFTo9kWFD0JT6nlFYI6KJKZvo5SR9FFFZcvcmMkwojkokjo8utzUdTv9ZUf+rorLrcVw/1dFOorSMUhXG+ZRRJRV2ER/6uloqKp1W5Yz/WUUSUSUpe98JNxlV3/wBXViq8klP4wsV5KqyVPJJUclZyjyhYhqnN9+p6guI6uMmugyB6ryVJJUElXzp7DI3qDTY/Lvp/M/5aVbkqvBH+8px94g9N+Ek8kkmrQeXH5cflyf8Aoyu3uoK4H4Q6l/Y/iKeT7JHdxyRxySWsknl7/L//AHlex+IPiF/bkOz/AIRexsfL/wCW/wBr8x//AEXW1OKM5R5jzrVoPL/1n7v/AK6VwHi6Dy54JP8Anp/4/Xsdr8Sv7DtY0k8CeH9Sk/57yT+XI/8A5Dkryr4r+NJPGHia0n/4RvTfD1pBaeX5FjJ58jyeZ/rPM8uP/lnVaKVmhRlGPU7j9kmPy/Dnjf8A7GT/ANsbSvdUrxH9lCPy/B3iyT/nv4gkk/8AJSCP/wBp17clcFT+IdUXzRuTx06oamo5Q5Qp1NorK3ckdR5lNorQkdRRHRXOacoUUUVvF2JCiiiphpuVzBRRRVWJCiiiibK5h6UzWP8AkB3f/XP/ANqU9KZrH/IDu/8ArnRYOYqWP+oT/cq3VS1/49E/651bq+YOYbWfqv8Ax71oVl6r/wAeklXH3g5TN+GX7vTdW/6/pP8A0XHXxD/wUavjN+0Z8NLX+OHw5NL/AN93R/8AiK+3vhz+7sda/wCv7/2nHXwP/wAFDbj/AIzA8Ex/3PB1p/4/qVx/jWlKLlPQuOrPJf46ZdSVPHJ+8qO6rzam5+iQinT3MbzP3laUkn7iqFWI3/cVUU5bijeUbWKkcn7yta0k/cR1i7/3laVrJ+7pVYuQ6cnF8qC+nkkemeZ+7ou5P3lRyfvI6n3BTkipdSfvKI/3lE8dRx/u/wDppWkYwiYc3vX0GSSfvPLok+/RJVSeT9/5dVGKiFSLlLmRbR/LqvfSb5KsRp5cf+sqpPH+88ymKTqNXb0H2Mf7yoNVj8mSrcH/AF0qhqX33qeVc1xyX7u8tiCD/V/vKgnk/eVPHJ5kFQSR+ZJWlvtnF8CutiSCPzJKqXX36vf6uOSs2T/j4rSm/e5irluCT93/AKyqk8n+sqf935dVJP3lW3zbExTiEElbVjdfu6wa3rGCP7PWUpcppG0XexG/+sqCeN6fJ+8kpkkdHvfaG3713qUP+WlST7PLokqvJJSi05XMKytsUZ5/3lHmeZVeb/j4q3HH+7/eV6Ufeja1zlpxfVjEq3HD5lV46uQVMoPqX7nfUjktaxb7/nnXQySfvKxdSjk8z/V1VKtyyu9jPEpONkUbWP8A7+VrSf6k1Qtf3claXl/u61qT15o7HHSjfoMsYf3la0knmVThqx/rK5KtXm3R3U+bqguo/wB3UH/LGp5/M8uq/wDBWdPWGmxpzLbqUfkqjd1PJ/rBVear3ldbnnybl1CCSoH/ANZUkf7uq88mySvQpSUfsmXM/tF9P9XVSf8A1lSQTfu6rz/vJKwlzSn5hNi76fHTKjjkraOk9dWYSqc26Pvn9iuQT/CG0x9+O7uv/R7/APsmyvpZK+Zf2Kf+ST2n/XeeT/yPJX0vHH+7jr56EV7aStsecV9R+5WFJ+8ra1H/AFdYsleldchNipdf6mT/AK51wngv93BP/wBdJI67uf8AeR1wPgOTzIJ/M/1nmVM/huI7Gq0kdSf6yo5P3dRJ2HbuQSR0ynyPUckdXcWhBPHVerb1UkqeZgQSVHJUj1HJW8XzEDJKrv8A6ypHqCSs7X3F8ASfvKjf/V0eZVfn/npSXuytsVcZJUclSSVBJJ5klEpJEzK8klQPVuSOOqkn7ur07Ds+xB/rKjkqSo5KrlHyogkqvJVyeq8laQqW0e4iCT93+8qvVh6qT1pd9hxjyhJHVSeTy6nkkqCSOneO19TnnJ/Iryf6yPy6gnk8up5JP+2lM8z95VXIjFyld7HxNBJHHVuOfzP9XWEm+T79aVrX0J3Rd99DTgk/eVa31nRz1a8z93WErydrHpR5JRtc04P3kdfW/wCznH/xa+0/6aXc9fIlrJ5lfX/7Of7v4V2H/X3PXowfJhpS6s4cY3KGh6ZXin7R3xmv/h/pNjpuhT+Rq94/mGfbvKRpXuFfHn7X0hb4laVD2j00P/5Ekrgw9GFXEQU9UeBL3WmcfD+0T8Srd/M/4SJn/wB+0g/+N16RovxM+OeraPbajbaENX06Zd8d19kyJB/wBxXgCfe6V93/ALOv/JG/De/+5P8A+j5K+ozLC0cNS9rFExm5S5TxlfjJ8cdPPyeAjN9dGu3/APZ60I/2lPirYrv1L4YXDJ/z0isLuD+e+vp/fU6Sf886+Pq1HzXdjojZdT5eb9r/AMRxp+++G1zHs+/I1xMP/aPFLaftx6a3/H14Uu0f1hvI3/nHX1R9qk8vfJI9RyRx3f34/M/66V0xqQlyyUdF0KW94s+c7f8Abf8ACzcXGja2if8ATNIH/wDZ61rb9s/wBN/rItYg/wB+1j/+OV7JdeDvDWpSeZf+FtDu5P8AnpdabBJJ/wCRI6rN8KPAdx97wX4ab6aPa/8AxusZOHNzcthc0nued237Xnwyl66vfIP7j2LmtS1/au+Ft18n/CRmB/8AptaTp/7Trpbr4E/DS6T5/A+i/wDbO18v/wBF1jTfsu/Cq5T/AJE61j/3L+7T/wBr1CklurGnNKOxbtv2g/hzev8AJ400kf8AXSYx/wDoytWH4zeA2/5nXw7/AODWD/45XKt+yP8ACdv+ZbdP9zUbo/8As9Ztz+xr8NbpsJa6paf9e964T/x/fWk+TeWxnKSl0PWLHxp4a1SPzLTxJod3H/0w1KCT/wBqVpQalaT/AOru4J/+uc8cleBXH7CPw8nfeNX8Rwf7CXEEn/tCqL/sE+EI0zD4m1oP6FIX/wDZKtSo07b6k+zfU+kv3kkf7uPzP+udR+ZJ/wAtI5I6+Yo/2F47N99j8TdSsf8Ac0n/AON3FTxfsc+KbM/6D8Xb+Mf7VvOn/oE5pT5Jdbj5ltbU+mo5Kk8yvmWb9lz4uW5/0H4ySu//AE3vr6P+W+oIfgH+0RZcwfFayf8A67a1fP8A+jIKjkox0jPX0EvT8T6kj2VJHJXzOPhr+07Yr+4+IWh3Y/66JJ/6MtaQeGv2qNLZ5xrGiaqIxv8AIElj8/8AsfcStPZwqaxnobe6tj6kgkq35leWfAv4nT/E7wfcXeq2KadrmlXz6dqNkn8E6V6Z50ccdcclafItWLpY4D49Sf8AFtb/AP67wf8Ao+OvnTzK+gPjpdf8UX5cn+rku44/+2n+s/8AadfP8dcEpcunUUVfckjp8cnlyUSf6yiP95StzlxhKXUkf/WUR+ZUnkSSR1J9lkgqOZU5WZuqcoxskJH+7ko8v95/sVHUkdaznH7CMndbskf/AFdEdPpiR/vKvmfLeQre0fMtyeOT93Un8NR+XUn3/wB3WN5dEbSmokkclWarf6upP+WkdF0Y27E8dSR1DTvM8upjyy3ZPPLoP8z95UkcnmVH5fmVJHH5clVO3RG0ebqTx1Yqv5nz1JH/AKylGPKaRfMSf6un+X5kfmeX5dMp/wDq6jm/lDmLCf6un03tSRyVPNzyuyh+ypI46WkjolaXQmK5ST/V06m+ZTqy9B3Jo5Kk4qOnxyVfs2EdR8f7ypPLqP8A5Z1JHWYcw+pu1Q1LVSfMXYI46n/5Z1XjqSOovbcXL95JHT449lMjqeOt7BzBUn/LOo46lrPlYcrHpRRHT9lVr3CUeYkjojk8wVFU1E9dh2HR0+mR0+uazW7KlJRJY/3lPjpiU+OtIyUQuEdSSVHVj/WVF/uHKLRHHU6VH/HUif6uqSaJl7u4SeZUkFRyeZsqT/V04vm3B6lj/lpSR0ynxyVDfNsOxLT/APV0yneZSi+YQVJ/y0qOpqfKx8yHeZ+7qPzPMo/1lEcn/TSpl7oXLEcfl1JUcclSVYgp9MopWHcfHRHRR5lKSaC5J/y0pKZ5lSRyUpe8FySoql2UUSTjGwXCn1XqWoXuxsyh9Mo30+pjeUrt6AFElH+ro8urk+bYmwf6uiiip9AuFSR1HRHWtxB/HUnmeZUdFK8QCiSiiSseZjuMqKpajkrob5tyroPMqOimVnzPsEfeI56ryVbkqpJWkGuxNiB6j8ypHqCSmKWmxHJHVSb79W56qf8AXSpiuUoqSVHJU89VZJKqOgpK5G9SQVHJ/rDRBJ+8qkr7aENWOw8ATeXrkn/LP9xJ/wCjI66/UtS8v+OvNtKvvsM/mR/u6nuvEH/TSuuguc5qnkdZfXX+r/ef6yvPfE11/wATKOP/AFlF9rHmf8tKwpp/Mn8yvQlaO5hGPNK59CfsryeZ4L8Qyf8AUdnj/wDIEFe3JXhv7Jv/ACI/iH/pp4hnk/8AIEFe5JXztRe+erH3R9FFTUopxNRvmU6oamqLEcoUUUVMbvqHMFFFFWLmHU2iiojoIKb5lOooi3IAopvmU6rJHU2iioNOUdHRqn/IKu/9yiOjUv3elT/9c6qwuYqWMnmQR1ZqtYx+XBHU/mURXKHMOrP1X/USVekqjqMn+iyVt9q5oZPw8/499W/6+/8A2nXxB/wUU0uOP9pj4Z33/LSfww8D/wDbO7kkT/0ZX238OZPMtdW/6+//AGnHXxn/AMFHv3fx4+EP/TTR7pP/ACbStKcv3li468vmfO0Enz1JP/q6jT/j4qSeP93XBVjyzPvaPurUyY/9Yavf6uCoI44/MrS8v9xUykntoXb3rMwpH/f1ftaoSR/v6v2kf7ylVk3GyJjDl31H3X7uOoJJP3f/AE0qe7qCOP8Ad1jCK08g1n6EE8n7uo4JPMon/wCPf93UcEn7yuy6MIwUZhPJ+8qpdyeXJHVi+jjqp5nmT0NOWxUrx2J46qXH+sq3HJ+8qCf95PWiTjuzLmjy2H2tVNS/eSbI6vwR/u6zbr93PWd1zXHzNw0I/wDUR1Qkkk8+tN/9RWT5nz1pymGvVGlB+8/1n+rqhcf66rcElUZJPLkoinE3qxcif/WR1Ukq/wCZ+7/d1Qnk8ySn772OTla3COOtrTf3drJWLHJW1a/8elRVkup00qlOMeUzPP8A3lWI5P8Abqp/y0eiedP+Wdapr7JGoSffkqvPJ5dWI/39V7qOSOq5o810Yyi1Ayf+W1X5JPMjrN8v9/WlHH+7rdx5Vc5KUZRIIP3fmVbjkqPy6P8AVx1M79WVyJavYuVmalJ+7q3HJVTUv9XUR5YyuXLk9noULWSSeStry/MjrJsfMjrZ8v8AcV01pKpG0DjorSxBHH5cn+sqeoI/3klTvXLbWx2L3SR38yCqn+sjqf8AgqCPy/LpcsublWw5WUNih+7jnkqCepJP9YKr3X7uu2Puz0OSpBct0QR1BN9+rdvHVO6/19b07znvY5bKEea5ch+5Uc8dSQ/cqOf/AFtYq8atmzSy5BlRxyVHP+8qS1jrWMObZ6nBzO9uh91fsRzySfCv/pn9rn/9HyV9RJ/q6+Xf2Jv+SayR/wDPO+kr6ijk/d14UeeNWcZbHJylTUf9XWLNWzff6sVjSR13WXIZEH+srzXwP+8ju/8ArvXpKf6xK868D/u47v8A55xzyeXRJXgKx1/mUx6fTJI6iMUxkElMqaSoJKf2bExfMQTx1Xqw/wDq6r1MI63KGPVeSn0sn7yttO4EEklQSU+SOo5JP3dOCFYgqCSp5JKr03Hm3CwyoJP9Yan8vy6rvRCL5rdCOYgkqB6nk8yqkm+lKPKXcZJHTKn/AOWdV5K0jJxM5Lm+Egkqu/8ArKtv/q6qP/rK05i7EElQSVPJUEn+rocXLcx1ls7Ec/8A0zqCSSnyfu6Z5n7un7NvVbEa9WQPVOT93H+8q3J+8qCSunkc/wB3dXCafLY+GYpS1Wo5K6j/AIVrdxv+8kratfhfJ5f/AB9xx/8AbOvS9tDo7HTGMlucRBVvzP3ddZJ8NZ4JPLju45Kgn8Aa1B+8jtPMj/6ZyVl7enBXbO+MW43WhiwSV9m/s9R+Z8J9Jk/6aT/+jJK+NvsM9rP+8gkT/rpHX2b+z1+8+Fem/wDXST/0ZXqUXCtQeuxz4mpJw2PQvLr5B/a4/wCSqab/ANgdP/R89fY2yvjb9rv/AJKtpv8A2CI//R89Tl75cdTi+p4k48qseQw/MTX3f+z3/wAkZ8Nf9t//AErkr4Ugb92a+7/2ffk+DPheP/phPJ/5Nz19Tn1/qfN52OOnrJo9C8z93XzT+2N4m1XQrjwYum6re6dHO92J0tZ3g87Z5H39n++9fTXl/u6+Wv23Dz8Ph/031H/0C0r4WEozfKd6TSil1PQv2vfEGq+FfhuJ9H1S50uaTVUt5Hs5DG7x4k+TzB/uVxXx++J/ifwn8IfhfrOlaxcWWpajHHd3U8Zxvk8iN/8A2pXTftwx/wDFqV/7DMH/AKLnrzv9pZE/4UP8GWl5j+xwb9n/AF5W++ohL3Ldb2KbUZI9V/a0+K2q/Cvw3o1roGq/ZNbubvmQwJOJII4/nf549n33SvZPDn2uTw5pMl/J5l/JaQST+ZHs/eeX+8r5L+CNnJ+0h+0Bd+Mdaj83R9Ct45zbT/xfwQRj/ge+T/gBr7K/1kldtalGjBQbu2OOjb7nkP7S3xU1v4S+CtK1nREsZ5ptRSxkjvUkdNnlyOP407pXhGi/tweMrS+tG1jw5o39mGT99JawXCTFPRHefbXov7dQ2fCfRz/e1tD/AOQJ6x/2kvir8P8AxL8FRpOlaxZazrLwWKWhtYv3kfl+Xv8AM/ufIj/nU4bk5U+W7bsNu702PQPj18dLv4c/D/QvFHh+Cx1mz1ifyIZLrflP3fmJJXtkf/kSvjP9oS3+x/sifCiBj84ktZP++7SST/2evtO4/wBZJSlaMJ6a3sae6cP8V/ixo3wh8Kz65qsm/wDeeRa2UP37qfy/uf8ATP8A66V474e/bm8K6vqdna32gX+jW8sgR7150mSIHuwI5FQ/t1FR4J8ImVd0P9rnzP8Av3z+lRftneAfA3hf4VWNxoGhaJpGpHVYUWTTkRJHj8uTzEP0/dmow0YKSdVOXbyMJSelj1n4t/HbQfg2uhTa3b6jfW+sCSSGTS40kH7sIf43TtMlefx/t1fDkyfvNN8UIn98Wduf/a9eiab8KfCnxS+G/wAOv+Eu0ZNZktdGsXj3zyR7HktIPM/1ckf9yOvnT9mP4H+CfiD4k+JNp4g0+61K30W6jt7GNLt4fvzTj59n3+IUran7OFV05p6F6uza3PpTx58evCPwyHh+TxG99awa3avd2s1va+Yn8H3x/wADrmz+2R8J25/4SO63/wC3p0//AMRXmv7Ynh+21Pxf8I9BkSSOyurueyxANjIHe1T5K7W4/YR+GMdyQl/4tjKSfdnvrTb/AN8fZK5P3fvWW41dux9B+XJHR5kkEnmVY/6af8tP+mlV/wDWSVhOpHuHKzw79mmEnxP8ZpE/1cniuf8A9H3de2143+zEztqfxikY7H/4TW9T/wAff/45XtkcPmVp7rjzLccnc8r+P3/Iq6T/ANhKP/0RJXhsn+sFe6/tCx+R4Z0X/ppqX/tCSvEZ4/LrynK09dTSnFdijfalBpsfmTyeXHWz4Vjg1if95/q68g8eal/xOPL8z/V1b8I+NP7K/wBZJsjrT6tKcOe57GF5IR5pK7Po+SxtII/3cdQSQRzx+X5deZQ/Fuwjj/eSSVH/AMLb+1T+XafvPMrmjg68t0dzxNJaPY6W+g8i6kjquieXTI557qPz5/8AWf7FP8zzK7YvljaR85WXNUvT0RJHT6gjqxHJsrLmtKzJi1GNh/mVY8uoKfHHRG8ZN33MIympXJI/9ZU/l+XHUf8ABUkf+s/1lZRVzpiuYkjptN/5abKnT/V04x5dyOVdtSRKkjoj/wBXUVOUuaXKVKXKSx/u5Kmpkcf7upI6fMvkZ815WiSf6ynpH+7oorTl6x2Ll7of6yrEdR+XUn+rrFxtKz1KiuYf/wBM6lqKOOpabnyysWPjp1NjenVnP4rij72xNSJQlSf6wUS90Y6pY5Kj/wBXUkf7yo5Ra9x9SeZUFTx1pOS5bj23COT95UlFH+rjpFXJI/3lPj/eUyOp/LqJScvcFb3rjEq1/BTI6PMq+R042Y27j0/1dCf6yiPy6fUTQ/QmpI4/MjqP/WR1J5lVr3Af5dPpkb0eZSjLmHbuWKfUHmVPHWdhD6Xf5dEcdJQGvVix1cqvHHT6IyUpWYAlWI/kqP8A5Z0eZU8ofESU+P8A1Zpkcf7unx0r9gsyWnUxKk/1lXGy6gJU1Q1JJUjsEf7up0pif6ujy4/9ZTsIsUUUUjXlCk8ulp9TJc3wGdg8uiOiiOok5Rla4WH0Uv8Aq6Sn7z2YWFj/AHlSPRRSlKxUfdDZRQ9PqeddSuYZT6KKvlj2Mg/1lFFFLl7G8WmFFFFDjczCpI6joo5Qj7oSfu6KKKormD/WUUUVEoJEDKj8upHoraOhJXoqSSoKJajsRPUMkdTVBJ+7rLlGQPUEkdWpKg8vy6cXeVhWKk/7uqklX5KqSVtZCIHqvI9WJI/Lqv5dRYVyrJUcEHlyVPNJ5dUPtUkclaESjzO6DUrr7D/y0rJn1imaxdefJWK8nlyeX/y0r1qNSnGPM9zllSm5XNaTUpJKjjuvMnrN8uSp7GP9/XNiKvNszSK5T6l/ZN/5EDXf+xhn/wDRcFe5RyV4j+yn+8+HOrf9M9du/wD2nXtUdeVe8uZHbH3ieiiiouyuUKmqGiiPvFhU1Q0eZQZ8xNRRRUWfYfKN8ynUUUFhRRRU8pHMFFFFaRvHoWFFFOouAR1HrEf/ABI7v/rnUkdJrH/IHn/3KuK5gKtj/wAesf8AuVZqtaf6iOrNWRzBWXqv7uCr1UdV/wCPeSp5W9hcpm/Dn/j31r/r+/8AadfGf/BRr/ku3wa/7BV9/wCj0r7L+Gv/AB66t/19/wDtOOvjD/go83/F9/hCn/UHuv8A0rSujD+7UvI1pv3orsfPUkf7+So7rfHHUnmfvJKJ/wB5BXlVPclY/Q42kjJ8z95WtHJ+4rI/5aVfjj/d1fLCcblx5lK1jNn8zzKv2v7ySqEnmb6v2Pl1pL3SItKeqH30f7uqkfyfu605/LjSqn+skrCOm4qi966ZTm+5VXZJ5kdW7qOTy6rwf9NP3lXH3ncUoKTt1GXUcnl1U8ytKeSqGz/lpWl33M5wXNyhB+8pn/LSnxyfu6ZJ+7qpSUjOVkuW2pbgk+T95WLfSbJ60v3kkdZMkn7yp9mzOPu7kkn7uOs2SCTzPMq9P+7qpH/rK3ipy+HUU5eRLVOaT95VufzI/wB5VST/AFgpmF+bfQn8z93VSTy6txyR+XVR60lHl3WppJpfCSRx/vK2k/49axYPv1tR+Z9nrnrQW63Ipa+Rmc/886qXcEnmVp+WkclV56cHrZbBKKfUqQeZ3qSf95HUf8dEk9dFNXldHL7RmbJ+8nq/HJ+7rM8z95/0zq/5n7urm3zippzCOh/3dH+rokjrJavyNZRUdySOSqmpXSeXT0j/AHdVJ4462jTTld6HPK0Y2TGQTyfu45JK0o5P3clYscfmSVtR/cp1YpfAznhfuRxybKsTyfu/MqhHH+8q9/BWTdvU7Kac+osn7yOqkEdW5P3kdV0/1lTGV99Anh33KKf8fFQX1Tzx/v6jn/eR117ysjLl/mZBbyVUvv3klTwf62o7r93JXVCf2FscUocysS2n+rpJ5KjtZJKkn/1lcclaZlJqMeUjk/eUQSUR/wCrFEf7ySumnHuRaHU+5P2H5/8Ai2s//PSS7k/9GeXX1LHXy1+xNH/xb2//AOmd9X1LH+7jrwoc3t520R58vdK979ySuekk+et2+/1YrCf/AFldfMZ86GSf6yvOfBf+vv8A/nn5lejO/l15z4L/AHc9/H/zzkrRy5oO3U0Ow/gplOjpm+sYL3bARyVB5dTySVDVR1MpPlK8lRySVPVWaP8AeVTdh3K8lR/6upJI6jpWJtPuQSSUySp3Ty6gko17lleSo5/3klSSVBJJVxpu90BHJJ5dV3qSSmP/AKutbdiOZEHmVBJTvLpj1XW8gIJKjkqSo5P3lTYJe6VfM4qKT95Vh/8AV1X8yiK5TP2iW5BJHVf/AJaVYkkqCStZSsacsSvJ+8pkcf7yp99QOnmVEZcvoRKPKV5P3klM8v8AeU+eSoPM8ySuqDtLmexPk9zyCeSOOo/tXlx1Q+0SSf6z93V+CCPy4/M/eVnGLfxHqe0fNYjtZPMn8yupsZ/MrM0ryJ5/LrWkgjj/ANXU1Y2O7aN2byTwSQfvP9XXdfCTVbCC1/sKCPyPL8yeOOP/AK6V88SeP/InktJ/3Ekcn/LSuo8AeMZI/EFpPBJ+88z955f/ADz/AOedenQpz+ycNZwqR5XI+qfL8yvjj9raymm+LmlQQxtJM+kR/In/AF3nr7Hgk8yCN/8AV+ZHXyl+01fLofx08IarMGSG302N3Cf7FxP/APFV00E4YuDjqz52s7Np7o8ebwRraggabcOcb/kjNfbXwBg8v4Q+Go5P9ZHHPHJ/4FyV4Fo/jzwvp7yGXXop3d/9Z9nkr6C+BuoQap8M9Ju4PM8id7vy/M/6+56+wzmrW+rQU42he55+Fk7u53skdfK/7cUbyw+BQnQPfL/32luP/ZK+q68q/aO+Fmo/FPwJBaaJJCmpWd9HcxJMNhnGx02b/wCD7/Q18NN8tVSj1PQu7u2ljH/bZiNx8G5ryP8AeQSarA6SfhJXl/7TWH/Z0+ERT/nlH/6Sx1yt78Cfjl4tjstN1y11eXTkK+Wup6qjwwA/x7DJx+Vez/tVfDbUr74S+FPD/hfSNR1saXdR26R2Nu88nlx2rp5j7B/uVtUgoQXI7tu5orSkmed/Dvw9f/sx/tAaHper/wDHjq9o9pPO4/du+f4P+2iR/wDfdfbEkeyvCv2wPAc/xA8D/wBpaVZXN7rOl3KTWsNnbPLO/mOkbx/IP+B/8Ar1jwLNfXXgXw3PqqSJqr6Vafaknj8uTz/Lj3+Z/wBtKuo/aw5pPWI38VkeHft2Nj4RaT/2G4f/AEnnqt4d/YT8Hy2ulX934l1i7S4t4Lp7aO3jRH8yPfsElaf7bGm32pfCTTYbSznvJI9YgndII5JNieRP8/8A5ESvfNDj8vw/pMf/AC0jsYI//IcdXhpezw82nZ3sEdUfNv7d1lBpvwr8H2tpGlvZwaibeGGP7kcaW+ESvqiT/Vx18y/t4QTXHwz8NiGF7l11jG1E3/8ALB68hH7dXxBijVJtD8Ou/wDz0ntrre34+fWNFqpDk6jUXy2keuft53Sx/DTw7ZhFD3WtI6u38ASBxj/yJXiXxi/ZR134H+FY9e1DWdN1SPz0tbm2td6mN3GRz/GnHUV6z+1ZHfeOf2aPBni2S3/f+fBfXaQJiODz4Of/AB/ZXlfxb/aS8T/tIaXY+FofDMMF1NfLdJFpzySyzyeW4Ix+Jepw/NKUlF/DuTJOySPvLwrqsGo+FfD1/BaR2EF1ptpPBax/6uCOSCOSOP8A7Z187fsdwlfiN8cIU+5HqsY/Ke7r6J8K6PJofhnw9pnmRzyWOm2lpJJH/q3kjgjjr55/ZB2L8UPjgEfEf9qxp/5Hu6tWVac7l07213Mf9t211G+8SfC+10dpItYkurqO1aGTYyT/AOibNjfwfP8AlWr+zr8PPjb4f+KNvcePL3Wm8Opaz+ZHqWsfao3fYfL+TzH/AI8dqyf23NcXwr43+FWqrB5/9mzz33k7tm/ZJA//ALJULf8ABRRJpvMf4fsp/jb+3C//ALQp0Kk1RlGC3JjpqfYtQJ/x8VJdQeRPJH/rKg/jrjqQSVmB43+zb8l98Wf+x71X/wBkr1nXPE0Hh+18+f8A65xx/wB+vI/2b+vxVf8A6nvVP5R1m/HrxVd6Prmi28f7yCSOSSSP+/8A88//AGpUVIuUOSG52YecFUUauzOh8VeIJ/HGmwR6laQR2kc/nwSRxyf6z/MlcnqXhyDy64ST4qX/AJHkST+XH/zzqSf4jQSQf6/95Xl1aM3HmW59T/s8nZWRHrHwT03xHJ9r/tKeCf8A3K4/xB+zndwWskmm67/pH/LOOeP79ejeH/GkEkcnmSVrSa5BP/y0rKMq0V70tTGrClJ8tj5I1jw54o8M3Tx39pPsj/5aR/PH/wCQ67r4X6b/AGrfeZJHJ+4/1le3SeRdeZHJHHJHVHw74ftNDku44I/Ljk/1ddlPGN/EcTwX8ruJHUkdXL61/wC/dU/9XTlL2h49aE6M9SdKEpkdWI461tCW7sY8rnG4n+rkqx/rKg/5af8ATSn+ZUSpqKvImMZR6kkdPkj8ySmR1PHTjr6G1+5JHT/4KZ5dSVEve+EenLzJaj/M8upPMqNKkj/1hqYyhKNnuEeZxvMfUn+sqP8A1lWI4/3dTLkiTFc3wh5nmU/y/MplP8yqjJuNjTlJP9XH5dT/AMFM8yiOpjePUXIh/wDq6kjqOionH3uY0suxJ5lTVD/yzqarknHcvToiakjkpaSCj/ERL3ieOpPLqOPy446kjkqNHqlqR7RLckjjpEpf9ZSVEbSldsfL3JI6k8vZRHRH89HKON4lihKSP93UlRcrlCP/AMh1On+rqpH+7kq5+8rTmLuJHHT6bHT44/3nmVnFcwWCOSpI5KWnR0uVWs2RJcweXRHUkdJRYrbclooo/eSU7APjkp9NT/V06nH3iyWOSp/+WlR1LSsuhAn/ACzpafRSauWFP8umU+Os7MCT/V0+mRx1Zq/s2M7jf+WdCJ5lHl1JHSsVYP8AV0SfvKI46kkjqJScvhKESpI6WimAU+mU/wAyqi7EBRHRRRqWHmU+iljjqQEqWk8vy6WiSaJbsJHJUlMp9BfMEkdFElFVYi4U6m0VP2rlB5dFSR02gBtEdFSeXUyXKIjop1N8uruMKZT6KjmK5RlRyVI9RVRIslR0+mU5PlIIJP3dV5Pv1O9QyR0RfNuBXeo5JKkeoJKvTsOxXeoJKuVXnjrOznLl6CsyB/8AV1Tkqw9VJKucGTJ206leeOqMkdaT1UnjqI+6EX3Mm6tfMrNjsfL+eRI/Mrdk+/VSStY1HLoUZM8dW9Ng8uSiSOrcCeXHTKjFS3PpP9lP958Nb/8A7DN3J/6Lr2aOOvGf2U/3fw1v/wDsM3f/AKMr2aOSudvmldFyXLsT0U2nURXKHMFFFFZ2LCiipqZzkNFFTVcpcpYUUUVncfKFFFFXKVx8oUUUUo8zDmG+ZTqKbHU3LJ0pmrf8ge7/AOudPSm6l/yB7v8A3Kr0I5Snb/6iOn0yD95BHT609Swqjq3+pq9WbrP/AB70AZvw5k8y11r/AK/vL/8AIcdfG3/BR/8A5Lt8HH/6g13/AOj46+yfhzHstda/6aX/AJkn/fuOvjb/AIKMDzPj18HU/wCeejXT/wDkdK1pxcnYa3PneSP95T3/ANXTLpP3/mVH/wAs68+pyn6FRaijNkj/AH//AEzq9BJJ5dVLqSrFrJ+48ulp2JTcp+6yhe/66rem/wCsqpP+8kq3psnlyfvK03hoTGo4z1L99H+7rM8zy5K07qTzI6zI4/3lc1JuUrG0veCSTzqqQR+ZPU7f8tKqx/u5/MrflMpSUSS+qpHJ/wAs6tX0n7uqMEf7ymoqMbsiTUne+pP+7qCT/Wf6yp6gk/dyVlG8tkRUcXG8WT/u9n+srJk/eSVrP/q6yZIP3n+srqjH7T3Hf3bSILr93HVCGTzJK0p45P8AtnVSOD95T5nT+E5WuaV2SSfu6qSf6wVf8v8Ad1Q8z95WkbS3Y5++WP3fl+XVOSSrEkn7uqEn366Ickzm15uWxbg+/W1HJ5cFYMH7yStqP93a/vK5pwfUIuUSpJP+/ok/dwSVHHJ5klLP+7rFLl3LlOLjdFeOTzI/+ef/AE0qCf8AdyVPHJ+8qCeTzK05kZVI+7zGT+88yr2zy44/LqpHJ+//AOelW5pPLrqlKUbW6nNCSUuZvQfS+Z+7pn8FCf6uiUk483U65RUtyeSSOSOqF19yrcnlxx1QnfzI6Ka9/wAjDW3K7WKlvJ5cla0cnmR1m+X+7q/ayfu/Lqpa7aGNP3ZWZH/y0q3/AMs6qeXH5lW5PuVm/j7nTFOUrp2JP4Krx1J5nmR/886jg/1kkdVze9ylcxRnkjSeq81F1+7uqZN9ytrpx50efVqcxXT/AFlMvpP3lPgjouo/+WlaxlFOzVznjeUNWFrUk/8ArKgg/eSU+eoqxS9S48so8ou+k/jpiP5lRyR1r7RctonPNqEbH3d+w/8A8kynk/6fpK+of4K+Xv2H/wDkl3/beT/0fJX1FHXz9P8Aiyb6HFKSkVNS/eR1gySVvaj/AKusGevWMhklec+Ef3epat/13k/9GV6FXnPhH/kJalJ/z0nk/wDRlYyXNFuPQDsPM/d0PT46gk/1lZfGOwyoJ6tSR+XUElaxVxEFV6kkqOT93RYBn+rqv5lPpkla/wCIdhkn7yq8kdPpk1KUVIm5BJVSSrckdQSU4tRgVYgqvPVuq71VO32mZxgoyuV6hk/d1PJUE8n7yia8yyCT7lV6sSfPUclX7N8t5EfauQSfu6qPVuSP95VOes9SeaIzy6jkjqSSSoJP3lXzS6BJp9CP+D95VSST95ViSq8kn/POt5RiyYuMtyCT93VfzKk+/R5dEprqZSfL1PmG+1zy/wDVyVbtfE2+D95JXBX17Wf9ukT/AJaV70YU1DkepMak5dT1Wx8TR2t1HJvrvtK1iPUoPMjr5xS8Pd66/wAOeJpLGP8A1n7uonhonXGvKW7NL4t2P2W+gv4/+W/7t66H4Eabd+JvEdpaWkiR+ZJ+8kk/1aVwXjbxgmtQwWmMvG+/zK+m/wBjG3gm+H2pXfkJ9rTUXg870j8uN/8A2d668JGVKlKq3dIxk+Weh9Cxx+XGkf8Azzr5a/bR0O6XUvDOsR27SWawTwTTpH8iYdNm/wD7+V9UpVXW9E03xFpz2Oq2MOpWL/fhmTej15cJOnVVSO6OCo0m20fmhDdIrfO1fXfwH+Nngzw78MNJ0nU9es7C8tXn3xzt2ed3/wDZ67qb9nP4azR/8irbR/8AXO4uP/jlUm/Za+GVw29vDpA/6/5//jle5WzCWNhyV1oYxppSUmblr8dvAF1/q/GOkf8AA7pI/wD0ZV8/GjwOv3PGOgj/ALiMH/xyuQH7I/wybppFyP8At8kpkn7H/wALn/5h98n+5fOa832cOh1ODl10O4h+MHgmZ/k8X6A8n+xqsH/xyrUfxU8H/wDQ2aH5n/YSg/8AjleazfsYfDKY5jh1mD/dvs/+06pyfsR/D+T7mp+I4P8Acu4JP/aFEZUVGzjc0lTlHZntFr4u0m6j8yDVtNk/6afa46049Vgn/wBXcRyf9c5PMr5+H7CngNv+Y34gj/35IP8A4xTB+wb4Hb/mYtf/APIH/wARXNL3vhTSJ07n0fBqUckn7t6tx/6vzPL/AHdfMcn7BPg7+DxJrf8AwNIf/iKik/YJ8I7Pk8SawW9dsOP/AECqaajzX1NIqK9T6ktZ/Lk/dyeXJ/0zkq3/AGld+X+8nkkj/wCulfJv/DBOmR/6jxrqCf8AXSxT/wCOVaX9ia/s/wDj1+KWqwf9c7Zx/KepUacZRcZ3v5Ck0t1+J9Qx33k+ZH/q45P3fl1HHNaQP5kccEEn/PSOOOOvmr/hkPxZtzB8Y9ch/wCAz/8Ax+m/8Mk+PU+58btW/K6/+P1fs6cpXcrfIe+nU+m45qqad4f0XQJLuex0mx02e6k8yee1gjjknk/56Sf89K+co/2U/iPH9z446on/AG0uv/j9Tf8ADLnxU/g+O+sfhcXo/wDa1aezpfza+goqUT6E1fwp4Y8USQSa54f0fXJIRhJNUsYLrZ/33HWU3wr+HDdPh/4TH/cDtP8A4ivDIf2X/i7FJ5i/G++kk/6bXF23/ob1bb9n745L/q/jYrf7xuP/AIionThu3oLW9rn0l5kklEcfmSV8zS/Az9oWH/j3+MVm3+9cXEf/ALQqRPgv8f7yHybj4tQRI/7uRomk3bP98R5/Ws1TV7OWhM4pbrU679mNPtWj/Eu734jn8d6r/KD/AOOVlftIeHJ55LDUv+WccfkeZXqXwr+GNj8J/BNr4fsZ/tciP591dSJs+1Tv999n/bOtzWNJg1W1ktLuOOSCT/npWUn7N2TuhytyXaPzW+IWq3+j3UEEf/LT95VTwP4f1bxjqUcck/2S0/5aT16/+1R4Y03wr8SfD0Fon+iXWmyP+8/66Vx+leIoNKmj8iPy4463hL2keZRPQwahJc0noe1+HPAfh7TbeCPyJJ5I/wDWSTyfvH/7911//COaFHH+7tI/+/leKwfEqDzI/wB5XSx/Eq0jjj8ySP8A7+V4lbC1ea7PeVenHZnoUmh6T/yzg8uT/rpXJ6r5mm3Xlx1Tj+JumyR/6+qsfiO01yeTyJPMqI4eUffsVHEU5RumTx6lJdSbKn/1dQQWvkSfu6n/AOWldEZRl7kUeDXqOc9SSGPzKnj/AHdQU+plGyucn2uVPUseZ8lEdQfvPLqeP7lVZctxS90kjkqeGo4JP+elSSR+Z/0zrOC1uybc5JHT/wCCoI/Mj/6aVYqqhUvd3H/wVJHHUFT+Z5kdRyPqHOh9SR1HHHUnl1dXkjsEddiSnxx0yOOp446nmLlq7B5flyf8tKnSmeZ5dHl0SV1fqax1JHT56kqKpaw5QHx/c/ef+Q6fHJTI46dVyXMHMiWOSiP95QlLS62Yua+w+P8AeVPHHsqOOpJP3dTF3K5UP2VJ5lQVYj/eLSkuUdx8aeXHRHS9qT/WVcbS3Qr9yT/WVJvqP/V0+OOgdiSP95UnmVHHHU8f7uockxi09P8AV0yOn/6uk9ADZU8cdQfx1P5lL7Vh2JP9ZSUsdJTbgguS/wCsoSij+OkIfHUnmVHUklN6gSRyU/zPMqP+CpIJPMjpPR3HYkj/AHdSVHHU8cdEtB3EpY/9ZR5n7yiOojzRFcnopn+sp9XzMLEnmeZUkclQf6ukjqbhZFzzP+mdSVX4/wCelSf6us+ZGnKSUVFUtVYz1Ciin0pWjuygojooovfYB9L5lJUtEVyiE/1lLRRWcpNDH0zZT6PMp6w6E2CmU+itShiU+iipk+UAo8uj/V0VlHmlK4DqKKKmckA6So6dRTJCm06myVqrR2RQSVBJUmyis+XnAr0SVJJUFXFqItOxE9MkqxVd/wDV05Jskr+XUE9WJJKryV0U3/MOUlHchqvJJU8kdVLisqnxXRPtPMgeq9WJI6ryUS1KsQPVSaTy6tvVSagLlSf95VSarclVJ5KuM3HYqPvFT/rpVuCoP46t2kf7uqlK+xlJXPo/9luSOTwBq0ccm/y9Znj/APIcdexx14x+y3J/xQGpf9M9Zu4//Rde1Rx1zcr5r3N+ZEtOpiU+ol7pYUUUVmAUUUU4vmFH3QooqaqGFFFQ+XT07GfMTUVDRU3NCaioaKUdSOYmoooqpe8LmHR0arJ5ej3f/XOiOmaxH/xJ56cfe3HylO1/1MdT0y0/1EdPrcOUKzdU/wBTJWlWVqv3JKgszPh7/wAeurf9f3/tOOvjj/gow3/F/Pg8n/UHuv8A0qSvsf4a/wDHjrX/AGEpP/RcdfF//BRRv+MjvhQf+eehzv8A+TdVT5ozCnueBTyfv6jkkk2UXUf7yo55P3FcU+V7H36joZsn+sNX7WT93VSST95U9rJ/zzol7qsYxmmVJ4/LkqSD55KjvpJI5KLWTzKfMa0tJczNby4/LqjJH+8/1lXpJP3FZslc6bjLmWx3TjfYfHVH/lpVtH8uqE7+ZJXVH3jg51NcttSSePzP9XVRP9Z/y0qe4/1cdQRz/wDLOnG66mE49Oo/y/LqCT95P/0zqxPH5cdU/wDWV0xilHm6kzpT7lv935dZscnmT1f/AOWH+srJ8z9/WL97cqU3D3Ce6n8us2OSTzKt3X7uPzKqR0RtLoZTXXoTySfu6ofx1fj/ANWKof6yStqUbbIUpKMbliSP93VOb/WVc/1lVJP3lXF3OKUry5mT2sfz1rTx/wCg1iwR/vK3p5P9BjrCfL3OylHmMKP93+7qeo/4/wB5Ukkflx0394pXWqWhXk/d0ySP93R5lR3X3KuMHKXMjLmfV6GT5n7+tLzPMrNj/wBYKtpPXVOK+CSOOXvEkklRySVP5kfl1UkqI6boqNS8Nyx/r46r3X7urEf+pFVL2tIX5rIlRUY8zI456twfPHWbbyVehkonTRlSvLZjJJNkn7ur0H7yOs2T/WGtOH/V1nOMux1KpOOyHx/u6jj/AHklEf8Aq3qCOSTzKh+87I6Yy5ld7EepR/v6qTyfuKkupP3lQTyfJW1OL5bHmVI9kQJSXX+rpUp88f8Az0osc9+QgtfM8ynz0qU+St42it9TOzI4/Lpkn+sp/mfu6Z/y0rC0nsOWkbn3P+xN+7+GX/b3P/6Mr6lT/V18w/sU/wDJNY5P+nuSP/yJ/wDbK+nk/wBXXl0PjmpbnnyUOhU1H/VyVgySVvaj/q6wZ69DmM7kElee+E/+QlqX/XeSvQv4q898G/u7q7j/AOWnmSVcrShLTYR2H+rqN6kkkqvJXJo42SL07BJJUEn7ypJKjkq4+6TcgkqpPU7v5lRyVVwtrcgkqGppKjkrTmQXE4qtJT3qOSPfRykSVhnmeZVSSn/6umSSURi4yuKMnKNyvJUdST1G9NNT30HJ2InxI9UpI6tyffqCSTzJKlx7GfMQVXerElRySVtCbNLlT955n7yiSi4qOOr5rbmUZSlry6EEnmf8tI6gkq29V5PnpuUlLltoXtuVZKj8vy46nnqCSPy4/wB5WsnzRsHuFCSmVP5fmU/ZHWXNePKlqYVLQjzWPm3WfhPBPJH5d35H/PT5Kr2nwf0hmxPf3Tv7AV1N9rlYv9ueXP8A6yuygqu0panfP2XNeGxMnwa8OJ/rJbp/+B1zHjT4VyaBavd6bJJJb/8ALSN/4K7+DWI5I/8AWVpJqsc8Hl/fqqntKfvphaFSNo7nzGh5r7H/AGJbozeE/E9uvWC7gf8A77jk/wDjdfL/AMQdHh0nxJLFAmyNkEgFfS37DbbdD8Z+01m/6T17GHrKeGmcMtLo+nf4Kkj/AHdQRyeXHXAfGL4sw/Cvws+oPB593P5kFin+sTzvL+Tf/sVwcsubmOCUVbc9G8yOp/Mr4hX9sbxv5nmNpmjl/wDZinH/ALUrVsv2rvijqiGax8KWN/EP47exupB+Ykroq0Xh489d2RcE9mrn2TG9SRz18hx/tR/FKP8A1nw/g/4HZ3af+1KkT9rD4jI/z/DlZP8Adtrv/GuL61h+W6mjo5Z9In15HJT/ADK+SU/a68bx/wCs+G0n4LOn/slO/wCGwvGn/RMpPyn/APiKUMZh5faRcac5bxZ9aeZ5dSRz+XXyQv7ZXiqL7/w2mP8AvvP/APEVZj/bM1zZh/hhfP8A7l1J/wDGKJ4yh8HOifZT6RZ9Y+dUkcnmSV8lH9tjVI/v/DS7T/fvZP8A4xSf8NxXcD/P8OrpP+umpSf/ABip9vTceWMl94lTm+h9dI/l1J5lfIsf7c13K28fD262f7N+7/8AtCpF/byRv+afXo/3NT/+0URrQcuXmV/Ufsebo/uPrmOSiSSvkqP9vezT/mStQeT/AK+k/wDjdTx/t9WCf6/wNqH/AGzu0/8AjdbKtBq1194403E+so56kjkr5Nb9vrRUbP8AwhOsRp/e+1x//G6tr+3ZoLNv/wCEV14x/wB0ImP/AEOsI1ab+0XZn1PJJUfn18syft6eG4/+ZO13/tpLHT/+G+vC+z/kUNb3/wDXSOtuene3MvvM+V9tT6njkqeOSvk+P9vzwtC37zw7re/+7iHH/odWrf8Ab88N3EyY8I68kf8Ay02GN6V6cvhkvvJtO1rH1TvqrNWT4O8aaT4/8OWmu6LP5+m3XmeXJInlyeZH/rI63fL8yOtKja0tZlXt7jPiL9uqby/H3g4/889Pmf8A8jmvnyxup76by/Mr6B/4KAWz2/jTwdP/AAPp06J/3/J/9nr5o06+kt5N9dGD5ZUrvcqm+VpHqOh/D248R2u+PVo4JP8AnnV6f4LeJY/9XqUEkf8A00rkPD/j+TR5/M/5Z/8APOu6sfjTHP8Au5K46qxMp+4z0FLD8vK00cvrng7XfCsccl3PHPG//PCStLwPqv8Ap0ddTBrkHiPzP+Wnmf8APSp9N8O2lrP+4g/eSVlKpUpfu6quzPSK5oPQ7uCfz4/Mjp/+rqCxh8iCOOp5P3kdcafLLlW5zVZpvmJI6fTIaE/1lXptfUgtxx/vPno/eb6jj/eVJWXKVZb21J446sOnmVXj2bKPM8yp07ky5n1LEf8Ay08ypKj8ypKJLlK5WJH+8/5Z1YjkqCOp4/3lTGbkLmVPcfJVjfVfy6I/+edKK5tyZSkixHJU8f7uoEqSPzK05V3LiuYnoojo8v8AeVlKSY+lh6VLUVSeXU8xcbMk8ynx0yiriktxWHx1IlRx1PTBPl2JP+udSRx/u6jjkqTzPMoLl7w9KVPu0iVJHWXKTTRJ5lEdMp8cfmVcpRiXGMkWKfHUfl+ZJUkf7upuilqSRx1J5dRxyU/+OqjJIB9LvpKlRPMrC/cdwjkp6Uzy6fHHRcnXqx9FMp9EYpu4yWnx0yn0pgEcf7ypI46jjp9VHUdyWP8AeVP/AKuoI6fspWHJ3JPMqTzKZT6VhXYU/wAymRvT46Q5O5IlSRyfu6rVZjpyVxe6EclS0kcdPjjqZx7BcfS+Z5lHmeXSbKVihY/3lSUkdHl0+VwlcmwRyVJTKfUuKluFg8yiiOn1XKugWCimeXUkdFiiSjZRRvqfUAp9HmeZRRy9gDy6ZT/MooAP9XRTqb/HVXAPLqSOOj/V02pAKd5lNoqZWXTUB3+sqOnU6SrvaN2SlYjo8yiiqC4f6ymbKT/V0tKxRFTJKk/1dR0crJsRyVBJ+7qfy6gkjovbcRXqCSp5Kgkjpxio9SiCSSoJKnkqpJTsKXKiCSSq8j1Yeq8lO4io/wDrKgm/1dWJKpySU+XyFYgkqhcVbmkjqpcVV12KlyxGJ/rKvQ/cqjHJ+8q9B+7jqJR5QufRn7MMfl/D2/k/v6zd/wDtOP8A9p17HHXjn7MP/JNp/wDsLXf/AKMr2OOsOY05SxTqYlPo5iLhRRRWQwoooq+UrlCiiiloQTVDU1Q1XKahRRRUjCiiigz5Qooopaj5ixHJUesfvNDu/wDrn/7Uoj+/TNVk8vTZ/wB5+7phzEdv/qI6fVWx/wBTVqr5SwrO1X/VyVoyVjaw/wC7kqqfxWI5Sp8Nf+PHVv8Ar+/9px18Tf8ABQr/AJOd+G3/AGLEn/pdJX2z8Of+Qdq3/YSk/wDRcdfDX/BQ1v8AjKz4bn/nn4Vjf/yekrblvVsi6e54fqUlVP3nkf8APSp76TzJKjj/ANRJXHKKjuffRSitTK/5b1bgkkqpJ+8nqeCOnpy3MY2lK9gn/wCPio45P3lF99+ixjrlekeboHLUe2xpyP8AuKofvKv/AOsjqpJJ+8o5r/Cjoulugk/eVmP/AKyr8c/7yqD/AOsrePKzGpJ/ZRYkj8yCqH7yrckn7iqnmUU+vN0B++ST+ZJUccfl/wCrqSST93Ve1k/efvK35/cIkpvqWLry/I/5Zx1mRyfvPM/5Z1bvpPMjqjBJJWUVzHPMNRk8yP8Ad1Qj8zy6t30cnmVBH9+ule7tsKUbk8kf7iOqEn+sNW5PM8uoI6zg7bMVny8twjqu/wDrKsSSeXVTzK1jK3vtmPIWLf8A1lbN9J/oMdZNrJskq/fSb4K5ZxTldHXH3TM8z/nnUkkn7uiP/WeZRPJH5dbfa5TF+9sQR1XupP3dWI6r3Uf7t63jVcdE9DOV5ehmx/6wVb/6Z1Ug/wBZU9x/q6fLLm5mzj1hqnoSR/u/uUSf6sVH/q4Kkjk/d1u05Q0J5l8gj3yR1BfSfu6t+Z+7qhdVEHaeppa8NCpHJ+8q/Yx+Z/y0rM/jrTsq1qNU5c0Tngn2CePy5KngkqCT95JU8H3Kzqzco2e51U5OUuXoTwSeZ5lQRyfv6PPqCOT95JXPGny9SpVLfCR3Un7yql1J+7qeb/WVBP8AvI66IvtscdR82xBBJRdP+7qOP5Kknk/d10017+q0OaHw2TI4JKnkkqjBJ+8q/vpVZOVTRaESvLZhUcckfmUeZVf/AFclUnN/EYyc4n3t+xN/ySuP/ppfzyf+RPL/APZK+ooPuV8u/sTf8kntJP8ApvP/AOj5K+nk/wBXXhU3+9m2YcpT1X7lYU9b2o/6usF/9ZXouClHmZktCCSvPfCP/H9qX/X3J/6Mr0KvPfBcn7y/k/56TySVUYqMH5DudfUElSSSVHJ+7rmuFhlRz0SVBJJJTiuYLFfy6WanyVHTEV6hk/1gqzxHUcmKq4rkdV5KfJJUFxVx90V+5HJVSSrdQSU5VE9x2I5KguJI6nk+SqklNxUthkfl1BJHU7v5lQPTjHuKxHJUElElRySUONpWRlZ1NmMkkqvViSoJHk/550+ZlR5o76leSqnl+XVuSoavmRlOL6kT1BPH5lT7Kgf93WtNdXsRGoovlK8n7uoP3lTzyR+XUH+rrantyy2NJQlLdnytqWpSQR1kwax58ld/qUdhfQfvI46j0q60XSoP3dhB5n/XOvQp35ea2pUIJSs2cv8Aap/L/dxz/wDbOOrdjrklpJ89eqeGfEcF9H/q4/8ArnXQ3Wm6TqlpPBPYQSRyJsk/d1wV6s4rlqI7/YRe0j5b8Z65Dr2rrPB/q1QJX0j+xDcbLXxknvY/+16+bvHWhQeG/FN1Z2ru9uDvQv15r6C/YkkP2rxdH2KWrfl53+Ne7hIqpQtA8xx5ZWZ9W+Z5lfOf7Zkb/wBh+FZD9yO8uI3/AO+I/wD4ivoivAP2yI8+A9Ak/wCeeqbP++4X/wDiK4otwrQVra3OKTu3E+Wo1ypr6G/ZyXPgu5P/AE/v/wC06+drZua+if2cZP8AimdQT+5d16vFdT2mVTnE6craji48yuewR0ST+X/rJP8Av5R9+vLP2lXdfhnO6cf6RHX854Oi8VXjBvRn2FauqUNj1Pzv+/dWEry/VH+0fAN3jkfzE8P796f9cK84bWr1/wBmePUTdyS3sd5/r5j5n/Lf/br245S5SlCMrWdjjliakeh9NfapI/4/3dSR/vI/9ZXgvj/4gPo37PuhRGTfq2s2iQCSMbNiY+d/++P/AEZXqXwm0u+0j4d6Na6lNNNfGDzHaaTzHfzJPM/9qVzYjKp4ek68nqnY6KOJlWnypaHXxzyR/u/Mk/7+VJ57/wDPST/v5Xlv7RE06fCvWJIXeF4zHl45P+mkdfOlr8IvGVn4PTxlBcQwWUdr9uSRLvE/l/StMryyOKpTqVKjiuxnWxkqU+RRufbsl1JH/wAt3j/7aVJ588n/AC0kk/7aV84eKvGmpeL/ANmePXLh/LvvPS1eZf8Alp8+x3/GvcfhzdPfeAfDU88kkjyabB5kkn8cnl/vKzxuWywdB4hy0Tsb08Sq8rcuhvfaJP78n/fdEd9Pb/6ueSP/ALaV5p+0h4mvvCvwtup9OneCe6nS185H2OiP5m8f+Q68Ivfhb8RvAvhyHxc+tQwKtv8AaojHeb5wmz/B6zy7AU8ZR+sVKjjd2RjVxHs5csY3PsL7VJJ/y0k/7+UfvP8Anp/20rxLxl4Z8R/Gz4Q+E59H8lL2R/tc7zT+Wn7tHSvDPCHwr8ZeN/E+ueH7S7hg1LSN4u2urzy0BEmw/P8A79d9HKaFfnVStZxIliJRaShe59weZH5n7yT95U/nyR/6zzI6+cv2mrXUbPwR4F0pZ/8ATt8cD+XNnfJ5EfmfP/v1yKfsq/EKOFJPt2lpG6eZ8mo9v++KiOT4WND21Su0ntuJ4qqp8kYH2NA8lF9HHdQSRzxxyR/885Kgtf3drBH+8kkjjjj/AHlTyR76+NjWq0a0VTldI9ey5eaxzP7IqCHQfiDYxEpBa+Lb6OBF+5GmI69+8zy68E/ZIV5Ifion/PPxldf+RP8A93Xv/kV+74acVShKTPh60lKofGn/AAUIg8/VPh/J/wBMb6P/AMfg/wDi6+TY4a+vP+CiEZhg+Gj/AN+TVU/9JK+Soa9bDyUY81tCYK+xXkg/eVJaeZHJU/l+Z/yzq3Y2PmSV6EbrWLFUdpcrOh8OarJazxyV7l4fkjurVJ/LrhPA/gPzI0u7uP8Ad/8ALOP+/Xpsf7iP93+7rxMZVUp6FXUIaFjzPLojk8z/AFlRwffqdI685LlfM9zHmd9diSOTy46fTPs5/uU+to2Urs0leKsiT/Vx1JUcdSR1XJfYV39pknlpT44/M/1dQeZvqST/AKZ0vZOd/IrXuW446nSqkcn7urEdYXajZlRkkJJ5lSR/6wUbKk/1dTHQxdOEtx9SeXUfmVJ/yzrSUHHXqdFNoI5Knjk8yqkdW6j3e4rliOn7Khp/mUuWJtzRH+X+8qWokqSSsYvlJ5VMI6kjojp8dau8t0XYI6kSo46k2fvKz5WtyOV/aZNUsdR+Z5kdEclUKzfwssRx0R/vKj/1klT/AOrqeYceaJJGlSR1HRH8lT/iNLFik/1lKlP8yOOlHQXMSInl1JUccnn0RyVfKSPjkqTfTKfHHUzUvsDCOSpPM8ylp1Yp8u5YRx0+meZUnmeZWsfe2AP+WdSUUVUrLoO4+On0yOpPLrOUlEROlS1TR/LqeOSnf3bDuFWKZRUx0E9B8cdPjqCOpqq4E1FFIlK47Ekcn7yp/M/d1XpY5Kz97uInjkqT/WVHT6d+nUHoS0VHHJ+8qSjma1ewD6Kjjpam6exY+pI6gp/mVlCTAkko/wCWdRx1J5ddFrS5mAlFFS0ydQSnx0yk8vy6OVfMoWnx0SfvKKXKwHU2j/WUUoP+YluweXUnl1HUkklLmvsUEclNptOrPkYBRRRR0sK4U2SnU2iNo9CRlFFRVo7vqWMplPk+5TK1sTYiemP/AKurFRz/AHKkLlOoZJP3lTyfvKryU4u4W7EE9VHfy6t+ZVSeOiS5hakD1XkqxJHvqvJTt7th2Kk1ZN1P5cn7ytO+k8uOueupJKuEkIJ56qST1HJJUEklPlJkuYtwSfvK2YKxrWT95WzA/wC7rWSb6F2Poz9mH/km1x/2Fr//ANGV6/BJXjn7Mvmf8K1nkf8Ad+Zq13+7/wCef7zy/wD2nXr6V5/KXyl9KfUEdSb6g0H0UUVd12MbhRRRVF8oUUUVnp2IuFFFFLlYwooopRXNuAUUUUX7FcoUUUUW7kEkdR65/wAgO4/7Z/8AoypI6Z4gk8vQ5/8ArpHWnMXykFj/AKmOpqgtY/3cdS1pYOUKzNU/493rTrI1j/USUySh8NZPM0rUv+v6T/0XHXxB/wAFA3ST9rL4ep/H/wAIhH/6XT19wfDX/kD6n/2FpP8A0XBXw5+34n/GXngV/wDqTYP/AE5T1dK0pmsNWeET/fpkn7uifzI6P9Ylckotn3vI0tdTJn+SfzKv2n7+SqF1H+8q3ayeRJVyp3huRH3ZXC6j/f1HBHRfffplrJ5lc8H+78yrfvbmlJJ+4qh/q5Kt+X8lUZvv0QlEqvJ/IP8AWVXkj+erfmeXHVGfy/tf7yq23OLlZbk/eR1Q8v56n4/56VB/FVWLi7eoTVHa/vJKLqTy5KZB+7kqud9jf7Nx915caVUj8v8A66VYvo/3f+s8yq8Ef7uqjJy3Ik2pXsQX0lVI6nup4/8AlpUEdb+zfIc1TmlK7J5PMjqCP/WGpPM+Sqkcn7ysJu0bIyuufVEk3l96r/8ALSnzVB5knmV0R1gY/auX4I/3lX7v/V1QtZP39X9S/dwVFS3NdLU7b9yhD+8/dyVHPHRB+7ouqLS6ojm7DI6jvv8AVipI4/3dVLrzPLracVP1OTWMr3uipBH5lTySR1BB+8kp/wDq6L+zd2xRipK63JJI45Kr/wDLOlkkqKlGVjknzdixH9yoJ4/3dT2/+rqCeTzK1hCVSVkjpinKmUP9XWnazx1mSeXVux/1n/TOrqRVrHBH2kZWuSfx1P8A8saqTyfv6sRz/uKPVaHZzrm5bj4/npkEf7+nx0yCTZPJWMvd20C8OxXm/wBYKqTyVYuvv1G/+rreM1E5pJSKEf8ArDVif7lRxyf9s6kn+SOum/2JnNyRceZbleOP95ViT93H+7qvBViSsJXcuW+oqcvdsRx/fqSSPzJKjjo8/wAuSm4u90yfaNRuz72/Y0g8v4Sab/193f8A6Pkr6W8yvnT9jeDy/hJpscn/AD0n/wDR8lfRfl/u68Cnze0mcnKVNV/1NYUlbOo/6msaSvT5vdsZ2I6858F/6y7/AOefmV6FJXn3gf7l5/13pS1gI7Cq8lWKinpR031LGeXVd6lpJJKgmxUkkqB6e/8ArKZvq/QRG9V/+WlWJP3lQSURtEViKmyUn8FM8zy6rTuLlI5P3lV6kf8A1lMkqQ5SvJJ+8pj/AOrp8lMk/d1al3KKk1V5Ktyf6uqklLmfyIck5WGSR1XqxJUclX7OXcI+7sQSVX8yp5qqyfu6qxVg2VXk+SpPPqCSrk+Yi9tyN6gdPMp8kn7ymeZWvwR5luYcicroqSR1Xkkq3/BVSSOOP/ppW1OV9tzPk6X1Pj2+8TSSJ+7qhHrUy/x1jeY1MzXt0/d3Ls2dboXjG5sbrl69asfF0H2GOSSf955f3K+e1ZlOQeanfUrp+s7/AJ0YijGt8SNFOSVkzW8caumteIZ7lOm0J+Ve+/sRyldc8VRn/nxhk/KTH/s1fMdfRX7E83l/ELxAn/PTRJB/5MQV14WKpQnFbWsQ/M+xf9ZXg37ZUf8Axa7TJO66xAH/AO/E9e8/wV4x+1dbfafg/c/9O99DJ+TlP/Z68WcXGcJt3OWLj73qfHkDfKa97/Zsm3aRrEf/AE3/AKV4JHDcSLvjgmkT+8iV7n+zXvhOtwzR+WP3cn7z/tpXu8VTo1cqrQhJXNMB7uJiz3X+GvMP2jkL/CnUsdUeB/8Ax9K9NrgPjdCbn4aayvpD5lfztgf3eKg+h9fiqf7vYo6fJ537NzSf9S/PH/45JXmmin7R+y7fJ/cuZP8A0ZHXc+CdQtZv2ccSTQgx2N3G4kf/AKaSVx/gmH7R+zN4kT/nlLN+nlvX32F9opVZ1FY8p1IyXKt+U5T4bNH4/wDib4TtNZnjhtNOjjWGEJ/rhD84j+r8/nX2f5nmV8dnwSdG+E/h3xnoyy3GpLdvPcsYf9Qke8D/AIBvjr6m8FeI4PFXh2w1aCSOTz4I/M8v+CT/AJaV52ev61SVSGijua4G8NJbnP8Ax6g8/wCEPij/AJ6RwRyf+RI6+drf9oC7j+GUvg06PbvbtYtZC5+0P8uf49nrX0p8Wfm+G/iff/0Dp/8A0CuR/Z98NaFqfwu0a7u9G06W/jknDzyQeZI/zyffrkyzHU8Fgp1KkLoK9F1KvKnY42bRrrTf2R2hu4JLd3uBdojf883nj2GvcvhJN53wv8Lyf9OMdZXx4X7R8I/Eav1Fr5n/AJEjqt8HfE2mwfCvw1bz39rHcR2nlyRyTx/89JKK9SeY5dNQj1ubQccPV5Zsd+0Xon9v/CfVf3iRPY7LrL/x7P4K8A8QftEahr/w7h8MPottAkdjHZfbVnfzHjSMIMj/AIBXtP7Rl1b3/wAHNZntJ454/Mg/eQybx/r465q+vvB7fs8PGn9mpff2NH8nyPP5/wD+8ruyKjUw+EfPC93axx4t89a6lZHrHwfsRpvwq8K2jXCXDR2KSPt675P3mz/gHmeXXl3wbkkh/aO+Jkf9+Od//JhK7r9nqTz/AIO+HpP+u/8A6Pkrivhsv2T9qTxzD/z0si//AI/byV5dP/eMTCO9pM9V+8qLQz9rljH4T8P3I/1i6j/7I9L8M/2ktW8feNtK0GfQbeFL2Ty5LqOST5E2VP8AthLt8AaI/wDd1TH/AJBeu1034j/DDR44JLPWNEgkjjREkjCJJHXVg41JZYoRo85w1rPFtyly2PT/APV1JHJVCxvo761gngk8yCePfHJ/0zq3HXwErwraxsz39XD3XoYX7Jv7m++K9p/y0/4SSS72f9M5PMj/APZHr32vAv2ZY/I+Jvxqj/55z6TJ/wB/Ptcn/tSvoCv3LDe7h4XPiqm58qf8FBNL+0+CfA19/HbarPb/APf+CP8A+MV8cQabJJX3R+3SqD4R6A/93xHB/wCkt1XzP4R8ByT/AL+/jkjj/wCeEn+srtw84RUlLoYL927I4Wx8Pz3X7uOOSSvRfB/gD95HPfx+XH/zz/v16FBYwQRxxxxpHUnl+XWn111H7NrQdveuwgqamx0//rpXPKMHsOV47skgjqf/AFdMjj8uSkjrmirke7e5Y/65+ZQn+sojo/66UarcuEV13JI/3lT/AOrqDzPMp8dVGXKRye9ckqwlRySU/wAz95WV5c1rGlSpTW25JH+8p1NjqSP/AFn+rrZxUfjVhXXUnjkqfy6q1PHJWU3G10ac8XsLTv3n/bOm06N6mcucV/ev0JI4/wB5U/mVB5lSJUyTjLl6juuxP5lEdH+sqT/Vx1MuaOj3K5WPjjo30yn1ManL8RJJHUnl+ZTKfH5kdVKTkXzD/L8upEqP/WVJHJHRFOfW5UfeH+XViOoqd5nze9TL3RRvHqP8v/tnT0pn+sp+yiM0w5He5J/yzqSOo45Kkpl3LCUb6rx1On+spbSvIkkjqSSSiOOjy6U171yJO6sSR06ofL8un/6yOnHQuKcdyTZU8cn7uq9TUrdxyfKOqSOo44/3dFFuxdyx/HRUf+sqSoj7xEZJj45KkjqCOOn/AOrpyjcokkqSOjzKI5Kz1G3YfUtFFPkfNzBcfG9H8VMp9O4XJI+1S8VDHJUtKMkyOVjqKKWOOqlqUPjqSP8AdyVHJ/0zoRPMrPlfUdix/rJKSijZRKLkIkjkqSo/9XS1lGnylj6JKZT46rXsVyhHUnmVH/FUnl0yRKl31HHT5P3lVYenYP8AWUtFFN6iH0Uyn1lza2QB/BR5dFOo5iuUbTqb5dFFNEh/q6dTak/1lVdAHmU2m06noAU2SnVE9O4R90KKNlD0wK8lMp9ElR59AGVXkkqSSSq8n7yolJyVgl7uxHJUElSPUHmVpZ9w0K71BcVbkqpcUcy5rAVJJKgk/eVPPHVR/wDV0+VvYCjqUlc7PWtqUlY0lbwitupHoV99Mp8klQSfu6cY3DToW7H95JW7BHVHwz+81KBJP+Wn7uuz1XR47WPf5kf/AFzqJKciLPoz2f8AZlk8z4e3/wD2Gbv/ANp162leQfs0x+X4Av8A/ppq13JH/wCQ4/8A2nXrkdYS906IrmLcb1PvqpHU1c5ZNSb6iqXfW1NGQb6fTaKOZbdSuYdRRRWdxcoUU2ii4co6iiiqj7pNwoooqYu4BRRRRc1COma//wAi/P8A9dI//RlPjqDX/wDkEyf9dI6qPumQQfcqWq8H7uOp99ab7F8wPWTrH+ok/wCudaUklZOsf6iSrjqSVPhz/wAi/d/9f0n/AKLjr4Y/b6b/AIy28HH/AJ5+B4n/APKjcV91/D3/AJAd3/1/yf8AouOvgv8Ab4+f9srwn/seB4P/AEuu6eGilVuzamtdTxe+qPzP3dSX37uqf/LOuR/Fc+5UlYozyfv6twSVQu/9ZRYySeZ5dbyjzRuKM1GXKi3fT74/+mlUYJPLk/6aVbvpI6oR/frSnT920kTUlKnLmZtQyeZHVC6/dyVPBJ+78uql1/rP+elcfL7/ALopVOaNm7EnmeZUF1J+8/eVP5n7uqk/7yStpLuCin1uHmf8s6j8zy5KnqD/AFj0+aJnUjybLUWfy5HpIKJ/3dEcn7us5JR1exVNOpsxl1JHHHVeCT56kvqgjk/d0rClOESpfQfvKII6juv9ZRB9+u+L5YanPeLleO4TzVUj/eSVbuo/+mlQQR1Gj2L1W6CSOo/L/eVO9V6v2cYRvcXL9xLBH+8rS1X/AFccdUIPvR1Je1ny86vIiTT6BB/q/wB5Veb/AFlLG/7uq8k/7ypM/aLl5USR/cqpqUn7ur8f7yCqF9/q60jyxMdeWyZBY/6yp5J/3dVLWSp3/ef8s61mlMmHNCN0Mnp8H+r8um06T7lXykWt8ZJ+78uqF1HVj/WVXmp05WnoT9m5R8vzKvWv7uqn8dW4I/3da1feM6MUD/6ypI4/3dQSU+D/AFVcnvPZmsUnPYsRyUR/6w0Rx1X/AI6qD7jq1J0ldoZdffqvJJUk1QeZ+7rojTcobnJJqUr2K/8Ay0qSST93UccnlyUTyfu6ucW5cq3OeVVR2COSrEn+rFVIJKtyf6sVMo8r5nuXzJ7FeSTy/wDV0f6x6P8AlpUkieXJWk7T6GUrrqfof+yhH5fwv0z/AK6SV775n7uvAv2UI/L+Eui+Z/y0kkkr36vBp/xJnNJcpn6lJ+7rGnrV1X7lY3mV28ooyuRyV514Ak8y1nk/56SV6LJ+7jrzb4df8g2T/fqLe4/Iz+1c7KmyU6mvJUxlzDuR+XVf+OrEkn7uqklWOT5iOSOmSR0+SmPU8zGRyVBJJT5HpklFjOxBJTKfUcla2/mC5Xf/AFlMkkok/wBZUdVBPoRzIjkqB6nkkqCT95W0opj23IJJKryVI9QfvKxIlJRCq8kn7yrFV5P9Ya1leXQXM+hBJ5lQPU89QSdazs+W9xxTXUryR1A9TzVB5kdae+JcqlYZUc8nl/weZT5P3dVJJP3dTH3hR93Ygkk8yoJI6n8yo5JH/wBXW9O5Oilyt6nwkelJSmkFfQyXK7IoOWpcAUbaMU4x5t1qIXHzV7l+x7qRtfjRa2Z/1eoWNxA/0RPP/wDaFeG16t+zJdG1+NvhZu0k8kH/AH8hdP616FGMpJxgtWK6T1P0B8vy/wDV15J+1FCZPgr4jcdU+yv/AOTSV635nl1wnxw0WbxP8J/EunWsMlzcvbCSGGPmR3SSOQ/+gV4Fb3VdHnPrJdD5R8H6hZW9jamW+tbSONP+PWSdE/ef89NleifDLUYLrxdqUcE6T/6DHJ5kcnmf8tK+ao7iJvnxXpvwN8TaV4d8Q6jNqV7DaRSW+EMz7A9dmZZbRqYGpVoyu5bHXh6zjUjGWiR9QR/6uqmuaPB4g0q7027j8yC6j2SVy8fxc8Ip9/xBZf8Af9Kk/wCFweEU/wCY5Zf9/wBK/FlleOjrThqfUyxFPbn0PC7z9lTxSt1N9kv9KeAPhPMndXP4bK9e0f4RXWg/B/UvClrdJcX18kkheY+WiPJHH/8AEVpD4yeEF/5jMB/4HSt8dPBUP39bhP8A2zkr13POqijFw0RhGeBh11H+EfhvJpPwpfwjqMkN1K8E6CSOT5Pn8yp/gz4J1L4f+D/7N1OeOSd53n/cPvjTfVb/AIX34G/6D8P/AIDyf/G6T/hoLwN/0HC//bvJXHVwuaVYypSp6Mca+FjLmUjr/Gehv4i8J6zpUDxpPfWskCPJ/q0kkjrJ+FXgm48B+CbTRry4SeeB3ffD9z5331gN+0N4HX/mKvJ/uWs//wARTP8AhpPwR/0EZ/8AwFf/AOIrJZPmLo+w5bRLnisM5cykdv478OP4w8H6toqT/ZHuoNiPIlfP8X7Heot9/wARWsf/AGxNekf8NMeB/wDn+nk/7dX/APiKb/w094Hj+897/wAAtnFb0MBnWDh7OkrL5EyrYOq/fNTwR8GbXQfhjfeDtWu/t8F1JPI88Mezy9/l/cz/AB/u686j/Y2tn1DEniWeOz3/APPqm/Z6/wCsrqv+GqvBHpqn/gKP/jlRt+1t4PXpb6w/+7bRj/2pW8MDnsXJxlq/QUqmC08j1zRNBsfDWiWulacnk2tqmxESub0P4WwaX8TtR8Yx3TyT3sPkyWvl/In+fLSuAb9rzwsv+r0zV3+sMf8A8cpq/ta6NM+yDRtUd3/g8mP/AOOV58clzaE3OcLOW+u5usdhI7HpXxS+Gdl8UtFtNKvbqaxSGf7VvtgC/wBx0/8AZ68xX9jLw5Efn8QapJ/uxxpV8/tIXdyf9F+H/iGf/tjIf5VG37RPiX7kHws1t3/6aST/APxiuujlWc0fco1Eo+pNTGYOXvuN2e2aPYx6VptpYfvJI7WCOCOST/pnHWlHXgX/AAvLx7InyfCPXn/7Zz//ABirlv8AF74pS+X5HwY187/uYtLs7/8AyBWEuGsZKXPWmjRZrTjHlWx6d+z2vk/Hj4vW8n/La00q7j/4BHs/9qV9DR14T+zT4H8V6fqHiXxx4tt/7I1PxEkdpHo8kflvawI/yb/+ef8AuV7nX6VKn7OlGktWlY+bqVFzcx5V+0todp4g8AWkd3H5kdrqUF3H/wB+5I//AGevn/y/Lr6W+OEf/Fvb+f8A54SR/wDoyOvnGuDXmvY5tHK7YkclEm+SSlp0cnmVt7nLzLcLa2YtP/1lMp8clOnrsV530Jaen+sqOOepPM8ynZ79AnOF7WH/APTSpI/3lQRwfvKn/wBXWco8uvQmnJt3RJ5nlvUlRx/vI6RKzjddTf2ip7liOiOT95R5nyVJ5f8Azzkroio0/f6mX8TYIZPLkq3byVXjj8uOiP8A66VfPGpGzWpUYtyv0Lnme1PSq1Sx/u6j2fkacnkSRyfvKnRKr1Yj+5WdSCUeZlTt2JP+WlSVXjk/eVY31n6iipSHxxyVYqvHJUn7vf8A9NKXLzyuXyk3FLtplPrKUeUokjqSOo/MojkoslG7Y7k8dS1DRW0GjPm1sSx/vKnjqBKsf6usJmtx8f7upP8AWR1H5lP31fOnsMKsRyfu6ZT46dSPu3Ij7pJHUm+o46kSsblj/MqSSSSSo/MqSP8AeVpzGcveCOpKKSOSiTa6Gi0H1L/q6iqalBBqO/ho/wBZR5lElJxuD0JI/wDWVLUUdSVPKluTYfHRTKfHQ3YosR+XSJ/rKZ5dPhpRkmC0JKk/1lR0VUmn1LLEcdHl0yn1BNx8f7upar06lJqIcjLEdEdM2U+OiKvHlEFSRyf36ZJJHSR1E4yexUXylyOSk2UzzKk/1lVqt0K5JRRRRzJbiCnx0yincdyaimUeZU77Feo+il8yj/V1VwJNlFR+ZUm+o17hH3Qp/mUx6NlPl+8B9H+so8yiq5UTdh/q6PMqP/WSVJRc05STzPMqOOio/wCOmZ3JqKbRWUlfbQoP46KJKZV27gFR+ZSUU7gMokokplOLUtxSi0Rz1XkqxJ+8qvJQSQPUcklSPUElBZHPVSSrclVLiSizAqSVUkk8urcklULqf93Si+UJe6Y2pSeZJWTP+7q9fT/vKzZP3laxu48xC1I6gf8Ad1JJVeSnFcwG14Z/5CsEn/TSu31W48yOuE8N/wDIRtP9+u31j/V124ezjNWMaqvtoe1/s2fu/hl5f/UWv/8A0fXrEcleT/s5/wDJNf8ArpqV9/6Pr1SOvIcjoi+UuU+OOq8clSeZUFcxJTqbHTqfKIKmqLzKStLIrmJd9G+oPMp/meXRvsSS0VFHJSVkPmJqKTfUVPl7CJqKhoo5SuYsUU2iq5g5R0dQeIP+QP8A9t46njqHxB/yC/8AtpHU8r7hzFeCP93U1Qwfu46nj/eVtYkJP9WKxtV/1L1syVja1/qJKunJFcxX+Hv/ACA7uT/npfSf+i46+D/28o/+MyPC3/Yhwf8ApddV94fD2TzPDk//AF/T/wDtOvg79ur95+2boUf9zwNbx/8Ak3PWtG05SdtjWKvKK7nimpSfvKqeX+7qe+k8ySq9cMtVc+0jePxWM26qxax+XJ89SXUdQJTdVSWu5lzS5rkl3/qzVOOp7rzNnl1QeqhNctyqsnUNeCSOSOqk/wC7kqxaf6uq88f7ysqkXzcyMY3W6uEc/mR1Xn+/Vj/lnVeeP95VR9/zOiSThpoSRyfu6P8AWSfvKLT/AFhqSST95RKCibRpylHnbKE/+s/1lTwR1Unk+eraP5cFaTtONrHNdX5upUvv9Z+8/wBZUEcn7uo9S/eSUR/6s0GMo68yWhBJ/rBUkcdVJJP3lT29dEnaHkRGSYXX7yo7X93RP5kklEcn/LOnGyp+6tQi3KV7BP8Au6qeZ5klWJ/3cclVIJJPMk/5Z1tGnzU/eWpjOq/gL1r+7qS9osf9Z+8o1X79YVLc+h1Qptb7FSOo5/8AWVJHJ+7qpdSfvKzjJMxlHlWm5e/grNvpPMqxH/qxWZdfu6r7ZM78trFvTvLokeoLGT93R/HXRGME7nJCn/eJJKJP3kdHn+XUc8//AH7qKcpuXKtgqL3eUI/3dQSSU/zP3dVa1ulP3kYWdPd6EfmfvKt2slZn+rkrTtf3lXUZlGpaexHPJ+/qeOSoJ4/3lSQ/cqG0+ge/zcxPHPUaf6ypEqOOT95UXR0O8t2QX0dVJI/Ljq/dPVSby/LropSbtfSxlNRcrpldP9Z+8qSeP93VSp/+WddPNzy5Y7nJurIWCCn3H+rpnn/JSSR+ZBWF7fGVGLWr2Fj2UnmfvKZHHUkcf7yOmuRu5jys/R39l6P/AItPoX/TSPzI69u8yvHP2bI/I+Ffhr/ppYwf+i469jrwadnUnZkTKOq/6uOsKStnVpP3cdYsldj8jn63Kl9J5drP/wBc64jwPH/osn/XSu01jy49Ku5P+eccklcX4AjkjsZ/M/56SVM/huaHW/8ALOq8lSR1HPRcjUjqCSpG/wBimSd6XKTcrvUclT1BJ+8qrFEElRvUkklRyf6w0rDuR+Z5dQSVYkqvJJ+8p3EQSR1HJH+8qd/9ZUD1vGSiKxHJ+7qpP5m+rEklV5JKLky94jkqCSSpHqCSi4rEclQSVYqJ6nXuKbKk8n7yoJ/+mdTyUz/V1pdVNmTp2K8n3KqyVYqvJWn9wz9CvJ+8qDzKfJJ89Mkjq/dUbPcE2+hHJ8lV99SSSfvKZJJW1O/LyxWpnH3tOp8JsKFNO3UYFe3ya3izcTJoyaKSok3EBV616L8BZPL+Mng1v+olCP8Ax7FedrXT/DnUP7L8eeHbwf8ALHUIH/KQV62BaU9zOeqP0pjjkkqSODzP9ZU9xB9nunj/AOeb1JsrxZqKlY5XZbo8p1z9mL4d6/q11qE+lTwTTHzHjtbp40/74qiP2S/hqvTS7t/9+/kr2TY9GysJckRxfNG1jyaP9k34awf8wS4/4HdyPUkf7J/wu3b/AOwJ3H+3fT//ABdeuR0Rx05e9s7IPe6HmH/DLfwtPXwwf+AXclTx/sw/DG3j/d+FYX/37i4f/wBqV6XUtVCCvzLcbu9zzqP9nb4cf9Cjp/8A3xJWgvwF+Gq/8yPpH/bSGu4jjqSSSicX9kei33OK/wCFLfDvZn/hBtB/8FyVJD8G/AC/c8D+Hv8Atpp0En/sldj9+iP/AFn7uuaKsXK8Xc5SP4P+Af8AoRfDsn/cKg/+N1pWvwy8GWP+o8GeHIP9zRoP/jddAlSRx1coc3Unm7lC08OaFY/6jw9o8f8A1z02D/43Vv8As2x/1kem2sf+5BHVvyKPLrTkj9kvm8hkcccf+rjjj/65x1bjupET93JVapUpy5UZy96VkTx3Un/PSj7dP/z3k/7+VDRXP7EqK5XYf58n/PSSrccknl1QSrEclV7orP7Jbp9Rx0tZzmhHJfF618/4a67/AM80g/8AakdfL0f+rr6s+I0cl18P/Escf/QNnk/8hyV8nxyfJXHUVp6iv710G+pI/wB3UElTx/u66JQp6W6lRtKV2EclSf6yo46kj/56VzSk4StsXyj/AC/3dSR/v46E/wBZRHP5clbc03HmjqiYqLVif/WVJUEc3mU/zK53Hm3LjLlViT/V1J/BUaVJBJ5kdOCkTp03Hx1JUf8Aq6sf8s6pNxd0bxpuJPHJRHH/AM9P3lQR1PHJ5cdPWpsHK3sSf6upKjR/MqSsr63CTt5k8dHmVGlH8dTKopSsZ3XYnjjqSOSOo45PMqSOOqm77HRFWJ0/1lSSVBHJT0/1lZxdvhIu+5Yp8clMojqpe8BP5dEcdLRUdbG9iWljpnmU6nYXKiVKk/1lV45Ksf6ys5RsEY8pPR5dRVZ8zy6fKiOYkjp/mVX31LVdOVlbbj6fTI6k/wBZTkuUskp/+rjqCOp45Khx5twJ45KWo/8AV1J5lV9mwrDqX/V0yOn+Z5dY3KsS07+KmeZ5lH/TSrcriJqKZUkdRYdieOimJT6f2rCJPM8yjzPLqOOpP9XRKPKO5J5lP30fwUVAXJPMo8yo4499S1cveBKw+nx/6ymRx06s7W3HcsUUxKfQ1YVwqSOmSeZRHJ+7qrDJ6Kj/ANZSxyUnoK99ieOSpKrx1P8A8s6J27FBHJS0n+rpamK5SbhT6ZT6LdigjqTzKj8yisZR5ZXSAfSyUlFaS5pE2FjqTfQlFPbcLhRRRVx5UUFPplFTa8roAp9Mo2U7W3AfHRRRSi+YJe6Mein0VQEfl+XTJKSmUBL3gkplPkplTcmxH/q6gkkp/wD10qvJRGSYWGSSVUkq29VJP9XVS0C5G9VJKt1VmoNOX3blOSs3Ua0p9lZN9J/rKDIwrv8A1lVJJKnn/eSVUet46RsD8hlV3/1lWPMqvJv8ysFeOyI5mtzovBcHmXUkn/POur1X/j3rJ8F2vkaHJP5f7x7v/wBpx1rX33K9uhH9zKUt2c9ROUrntf7N8nmfC+OSP/lpqV9/6Pkj/wDadeqR15X+zZb+R8J7SPzI5P8AiZak/wC7/wCml3JJXqkdeDL3dztJ/wDV0UzzKfWRXKSRyVJG9MoroHyhT6ZSeZ+7rKS5iRaTzKWoqzsaFjzKf5lQ0kclMjmJ/MpKb5lHmVrL3R8o6nf8s6bTZHrOPvBzDqWOSmRvT46QuYnqrrn/ACD4/wDrvU6VU1z/AI8YP+u//tN6UXc0I45PkqSOSoIP3kdWK6QEkkrN1j/j0krTrI1j/UyUR90A+Hsf/FOSf9fc9fB37cn/ACeLZyf88/B1j/6Pnr7t+Hn/ACK6f9d5/wD0ZXwf+20fM/bEA/gg8K2Kf+PzyV1YL4qj7K4o+7UR4ZqUf7yo4/3kdT6t/rBUEf7yOuSTctz7mnF35ipdfvI6ggk8uOOn30nl1Baf6w1ElePMtgtTm7vcnnn8yOqFXL6T93VDzKUIuUbrQykoxdi/a/cp8n7uoIajk/cSSf8ALSlfuKOsrluOPzI6guv3cn7uiOeql1JU/aui5VIS9yxPBP5dR0yCTzJP3lSf6uqtaVmP3ShPJJvq3HJ5kdQTx+ZU8ceyt5r3NtTk05rxZm30n7yiT95HHUd1+8nqSSSPy6hyUVy9Rzk5lD/rnVuH7lVE+/JU9a3Sh7ysTCKk+Z6MZJPRHJ+7qvdfu6kh+5VxlGISqRi9tCOeSoEfzKkeq8f361XK9tznlJSlc1tO/wBZRqUn7yjTf9Z5dM1X95PWFT4rI3jGUiOOSqE7+ZJVvzPLjrNn/wCPiqo03U2ZyynbaJbgk8yOqN1PH5lT/wCrrMu5P3la04XldGd0o3aLFvUm+o4fuUSR1cmo7GWko3WgRyfvKfJH+7pkf36nepjrtoKPw3RWpslT+Z+7qq9NpSlZbhdct2V5I/Lq/Yx1Qjer9r+8rWqpRjeRFHk59gnj+epI6rzyfvKtweX5H/TSuWPIo81zepacrQQyo438uepI6jj+/W0ZW2Qpe7G5Hd1BJ+8jqef/AFlQSR/u6qMr/Ezn+PoUI4/3lTySfu6ZHH+8pHrqlZuxhKm47EEf7ySrccn7uoJJNlSJ/q6yd1urlcy26j/9ZJUkn7uSOqkceyrcf+lTxxp9+tJQ5l2MKkkfpp+z9H5fw10L/Yg8tK9Zr5o+Efxo0rwhoHhfRdZt7hEurpNOtLq3j8z9/P8Ac8z/AIH8lfSXmfu68KnH2L5LaHM5qWxm6rWNWrrEn7ysmStwMnxNJ/xI7/8A64Sf+i65PwPJ/wAS3/rpJXS+Kv8AkX7/AP69JP8A0XXPeC4/L0r/ALaVMpJLzIOhkkqOTzKlqKSSpjddCLS7jPM8uOq8klSSVA9a+72Ld2EklV5Hp9MkrQViD+OmSU96gk+/WN5FWCeT5KqSU+eT95RJ/qzW9jIZ5nl1XkqSoJJKzknHqXYjqCToKkuKryT1S/ebEi1Xkp8kn/PSmSPVWLK702TpTpP3lQP5nNZyfMZ/asRyVB5nmVJJJsqvW8YKIpRUhk8nl1BJT5P9YaZW5ny+z2K8lQSU+T93JUEknmVcrofNzQ10K70PQ9Mkj8yShX5ee1iIxUT4XpQ1Jilr2ou3kWLupuRRRjNDlKWwCg1Ytbl7W4SaM4eM7lqDbUiGu7Dp3s2TI/VeCeO6jjnjk/dyfvKsR1y3gO+k1LwH4au/9Z5+k2kn/kCOuhhk8uuCpT5Ksop7HHP3y/HHJUkcdV43qxXNKSW5UYtieX5klSeXRHUkcdZ6PZE8nmM8mk8urEcdP8vy6uUuUuxB5dHlyVPHHUnmU+e+w7eWpBHH+8/eU/ZUtPql5lxXMR+XUkdFSf8ALSo1+C4fAPj/AHdLUf8Ay0p6VHL95MnzEfl1JHHT/LpZI6dg5mMp3l0R1cjjqJVOUrl7FTy/3lPjjk8yp0qx9n/d1fMZyvH37jKfUHl/vKP46zlCL3JjLmI9YgjutKv4JP8AVzwSRyf9+6+LrGTzLGCST/WSR19qSSf8s6+K44PLj8v/AJ51xztGd2ro0trdk9LHJJUcclP31PNeVkVLWPN1JP8AWUeXR5n7ulq5STjaW5NteZaj45JEo8z5Kj8ypPM2VNOT5uXoHMvaeQ/zP3dWI46qeZVvzPLrXkfNc0ioS2J5JKI6jgk3yVJ/HSqab7Ey5Y7Finx/PUfmVJHJ5dc0nzGvN2ZY30+OoP8AWU/zPLq3zRM4ycf+CWPL/eU/+OmR0/8AgqOWa1lsL2rW4eZJUkflx/6yiOT93JR5qVpye02Qn70rsnTy6k/5aVBH+8p9Frbm9r7EnmVIlRx1PWF/esjTltG8kSeZ+7qSOo/3cdEf7ylYTlcnjko/1klM/wBXU8clXyMsI/8AWGp46ZHTqiSa6hH3gqWOSo/LqWqp+ZZN5n7z93Ukf7yOoI/3dTxyVVVcuvQm/vWJ46Wo/wDWU/zKw5h2JI6k8yo/9ZJR/rKqXvD0JPL/AHlTyR7Kr1KlRTYb7FuOio/M8yjzPLq+ZBLQkjp/8dMp1ZS94I6Esf8ArDUkcnl1WqWOlGy6hZj/APWU+mUR/JV8o7liio4/3klSUcoh/mfu6KZT46my7g9CxHT0qvUscdTYcXYf/BUtRVLVFD6fHTP9ZRWd/esTdjql30tRSVoJ6kn+sp8f/TSmJR/q6UozZf2bE/8Ay0p1Q1JHJ+8qY6bkxXKS/wCsp8cmyo/3dEdVccXyj3qSOo6lrOaHp2Cn0yk8yp5EBJHRRRTDQk8yo6Kkj/1ZqZRUZXASil8ujzKrTqibCVLUVFBRLRRSf6uiNoyskAtPplFJKTK5h9Mooq7EhRvoeo5KUVygJRRRWUeViGVXepairWyHvsMkqvJVjzP3dV5KcYpktXIPMpkkdEnyVHJTCxBJJVeSOpJKjnkqpv3bBYqTVhX1bVxWDdfu6L+7ZkcvYyZ6gkqSST95VeSOq23KlHmILio6kk/eR1HJJVXvsKx2/hXXIJLGDTfInSeOST95/wAs3rS1iuU8IyeZrEH/AG0rqNSk/d16dFtUrNnPfue6/s9R+R8MoP8AppfXcn/keSvTY68y/Z1/5JXB/wBhK+/9HyV6bHXg311OssU+oafVF8w/fRRRQHMFS1FRvpRvLdhzEtRUUUuUgKKKK05WXzEtJJS1FWXNIOUloqKjfT5RcpLT/wCKq9SeZUakk8clVfEH/Hjb/wDXf/2nJVqOSqniCT/QYP8ArvH/AOi5KCuUYn+rp9Mgk/d0966BxfKG+snXJP3EladZOu/8er0BzD/Af/Isx/8AXef/ANGV8F/ttMf+GvW8vp/wjFjv/wDJqvvTwH5kfhmP/rvP/wCjK/OT9qPVpLz9tj4lGT/mH2unQwf+AMb/APs8lehl1NTdRdk39xrHWpHzPM7755Kjjkpl9J+8qvBJ5led7Tz0Pq5OcdiC+k8yP/rpVeD/AKZ0upeZHUdjVRklDXUG2nzPct3X7yOqHl/9NKtzySeXWbJJ/wA8/wB5V0pqMbs0m+fcv2/7yo55KNNmonn/AHlazUHG6KtHk0CCSpJ5P3dV45P3dMupK5LNbozjGKHwT/vJKPP8yqMEm+T/AFlW5P8AUCtJxa3Erw+JkdxJ+8qSSTy/3lV45P3lW/8AlhXO5OMrSHywhHm6mTPJ5k9SXX7uOo5P9YaZdPJ5dbRpJ/vOhPLOMblTf/y0qfzP3dUP4qsb61k7u6ORuS0e5HN/rP3lSRx+XH+7qvO/mSVYgk/d/vKc79iabXXVFeeSiCemT0+CT93Tcpvoa8y5/d2Naxj/AHlMvvv0/SpP9ZJVG6k/fyVzyvKe5cZcquFUP9ZJVuT/AFYqp/HXfTjzxtExm/abD5/uVmzx1fkkqpdfu5KcYRi7Q3OWdNE9r+7jpZP3klRwSfJTawilF83UXLEd5f7ynzz/APLOmf6uSnz/AMFbx97YxleOyGRx/u6jfy/LoqOf/V1vTihe9y8tij/HWlav5dZlaFjJRX9+PK9zCmrSsyS6/wBZSJ/q6knk+eiOOuJNwgdTjKcrokjqv/q5KkjqNP8AWVT5+mxrBrl5SO6qCT7lPn3ySUvmfuK7Lrk2OSULyvexQ8zy5Kknk/d1Xk+/Ukkf7unFX+I5+Z/ZI0fy6seZ+7qvHHVj+CiquZ8yehrS5JfEV/8AlpVvTf8AkLWn/XSmRyfvKt6X/wAhKOSt+WXLeRzV4QjD3WfSUc/2HSvBl3J/y46tBfSf7flyeZ/7Tr7k03UY9StY5P8AnpHXwTP9vn0fw9Hd+RH+88z93/20r7Y8DyeZ4c02ST/WSWkcn/kOvIxVvc0PMwslU5rdDT1X79Ysk9a2qyfvKxZJP3lZHXcxvFz+X4Z1KT/phJWT4O/5Adp/1z8yr3jj934Zv/8ArnWb4Yj8vSrTy/8AnnSceaN2KWp0Lv5lRyeXTPM8uo5PMqeUViOSSmPRUclacoiOST93TJJP3dPqB6PQojkkpkn3Kk8uq8laE27kcn7yoJKn/wBXHUElaco7hVd6kkqCSny6XJGXFV5HjqeSqkn7ys4rlFr2GSPTKSSo6dwCqk8n7yrEklVJP3lONl0FePYjk/eVBJJT6ZJWsVzPm6E2fLzEVNpH/wBZUE8n/POt/ZLn8ib85BJ/rKrySfu6sSb6jk/dx1jVTiuW+hnbk8yu9M/1cdEklQR1dCNWpLlTM/tX6Hw+tDUlFe5zLlsdItL92mqaUtShJct+oCj7tKnFMzTxVxl7yaewM/SX9nfUl8RfAvwher/rY4HtX/2Hgd0/9F+XXeyQeXXzp+xn8VvDGj/Dm/8ADmt+ItP0a8tr57uJNVuI7aN0kEfCSP3/AHZ/77r2yb4r+BF6eOPDR+msQf8AxyniKVqjlBXTOXlctDaqxG9cTd/GT4fWn/M7aB/wC+jf/wBF1jX37Rnw009cT+MrL/thHPP/AOi465/ZaX6FRjKJ6nHJU8cn7yvGJP2qvhbB9zxP53+7p12P5pVO4/a8+GNv9zWL6f8A64abJ/7UrP2ap73I5J9D3eO4p/nV86Sftu/Du3bCQeI7n3Wwg/8AZ56ik/bl8B/8s9K8Sf8AA7WD/wCP1o6Tl0uVyy6n0h51SSSV8uXH7eHhSL/j38Ma1c/708MH9JKym/4KBWsbZi+H04P99teB/wDbWpmpdjdLufXG+jfXxxdft/Xkh/ceCbdB/wBNtTeT/wBkrGuP29vGDTfufDHhpYv7kyXT/qJ1qoUpy+N2IcZdz7kjkqSOfzK+B7r9uLx7M2+20zw9ZD1jtZ2/9GTvWVP+2R8VbqT/AEfWdPsP+uOlQSf+hxvWUqNupUYc25+hvmU+OSvzrb9rb4tTf8zYp/3NKsY//aFeh+D/AIxeLPFWhpcXfijUnu4/kneOfyP/AEXsolF0o8z1Qpx5D7djkpP3k/8Aq45JPL/5518eyeI9dn/1niHWP+2mpT//AByoNRvp76OSSeeeSST/AKaVwfWvevEUZRZ9kySeXH+8/d/9dKoyeI9Ng8zzNWsY/L/1nmXccdfEc9jHP/rI/M/66VPB5f8Aq605+eXM0KpJXskfZX/CxvC9r/rPEOlf+B0dQT/GnwRax/vPENrJ/wBcPMn/APRdfIEcf7z95T/MrOpV8yYxcVdH1LdftC/DmD/mYZJJP+mem3f/AMYqCT9oXwRJ/q7+6k/7cZ//AI3XzLH+7o8yojJy2HtufREn7QvhqOf9xHqs8f8A0zgj/wDakleBf8tP+mdQJT45P3lOcKm72JsWKJP3lRx0SPJHWOvRg1bfUkjkqeP95UEdP31tF8pcZcuxYjp8f7yoI5KkhpQkpSvLQOZTlYnkjqSGq/meZJR5lHM+5EZOMuUt/wCskqTzKj+emSSf5jq4ytvqaTmublktSeT93+8qSP8A5ZyR1HHHT0qY3lPQXKy5HJ5klJUEdSRvV+5KXKtGLlUyeOTy6k/1dRxx+ZJUn/XSuf1Dl5d9SSOT95U1Qx0+OTfRK8dmVy+RJHJU8b1Bsqf93srKOvxHRG8ehY30b6jj/eVJH1pSXKLmcx8dSfcqNP8AWVJ5dQ48xZJT99QRyVP/AKytoxcRTaJafUcdLRzKAyWpUqCOn+ZXPKTjsWWI46fHTPMpPMrSVS8bSILkclH+sqOOT93T99VStKNrCk4xLEdFQRz1PUypuOvQqMlLYfUkcdM8ynxyVEVylEv/AC0/Ckk/d0zfU/l/u6me9xtXCOpKr1JHJWYN2H/x0+myUR07aeYQZPHJT/Mpkf7yn1EbrqKXu7j6lqvUkdaSXKO5JU8f7yoKK3jZxvchJvqPp9M8yisZO5RYjp71BHUkdKEguieOSpKZSRyUTn5ASfw0/wAumU6o5043QCx1PTI/3dG+nd9yxaen+rqPfT46WnYm5LHJT6r1J5nl0a9iix/rKN8lR/6ySpE/6aVM9dgD+OpKTzKWpvKcbAFP8ymUVcH7tgH0+mUeZTuBJJUcdHmb6I6YD6X/AJZ1HG9Pp2JsFFFL5lIoSpaiooAloqKioJuSvRUVLJTuyo+6ElR0Uyi9twlrtoFV5Kn8yoJJKiMW5k3GSSVX30+mPXRoIgkqvJJ5dWJKqT/6uoK0I/kqpJJU9QSU+UkqXUlYV9JWtfSVi3Un7uq0XxC1MmSo5JKJP9YaHrR+9sFiCST95VeerEkdQSfvKI+6VqdD4L/5CI/3K6TVK5Dw/P8AZZ/MroZ9S8+OtP8ACYcr5z6I/Z2/5JPYf9f19/6VyV6ZHXmX7P3/ACSuw/6+77/0rkr02OvP5WdBLRRRVDH0UyigI+8TUUzzKPMqJLlEPopnmU+nY1j7wyn0yiqJ5R9FMooDmH0Uyipi+YOYfRTKfTmWWI3qp4g/48YP+u8dTx/6w1U8Qf8AHjB/13/9pvUR0diOYLeSpPMqolWK6bEj6xdc/wCPSStesjxBJ/oMlK4EngOR/wDhGLST/ppJ/wCjK/Oj9qaxWz/bM+JshPF1Y6VMP/AGNP8A2Sv0a8Hfu/DkH/XST/0ZX5v/ALVEzTftpfE/+7Bp2lRp/wCAlvXfg5JSmvKxtB2nC55Tqr/6umWv7yjUpKjtZPLrjqQjTV2fZ0/Z8t2yDUpKrwP5kkf/ACzqxqUn7v8Ad1Qtf9Z+8pQ9+BE4PnL13/qKzY5P3lX55P3FZP8A00pxjb4jOfM/Mv2v7unz+XHUFrH5n7yo7r95WLTjK9wjJxjdhDJ5clMupJP+WdRx/wCsNEkknl1TlOW4STezsEMf7yp5JP3dVEqTzP3ddEk4/Eyfh31COSrckn7j93+7qhHJ+8kqST/V1jCmuazLjLmIKLuo45Kjun/dyVtGnKUuWJMpPoyp/rJP3lWEqhHP5clW/M/ceZVOLp76nIpKSv1IJJP39Txyfu/9XVTzPMkqf+Gpkm9znjL3rp6DJ5KipslTwSRx1trybmtORrab9yql1P8A6VVu1/1HmVkyfJJXHFc0rnVLTXoTySVm+Z+8q3JJ5kdVI/v11xkoxsjCcuV2uSSVQvv9ZVuSSqFx/rK3hTXLzHDUlLuTx/6sVJHJR/yxqOCSOOsoe7P39AiuXcsR1HNUkc/l1HPPV6P4RVKkZKzYJH+7pj0+OSoLr93UcrhK/MLnXJ7pT31p2Mf7usWP79a1rJW80+XnsRRk+a9gu/8AWVJBJJ5fl1BPJ+8/d0+OSudxclzPY15nz6FvzPMjpnl/vKjjo8ytOX3r9Co+9uRz/u6gkk8yOi6k8ySjy444KLHKlLqUJPv1JJH+7qPzPMkqSeT93Xbyox5b6rYgjkkq3H+8jqhHJU/n+XHSrQXLdkx0Gf6uStbQ5PM1W0/66Vkxx1e8Pz+RqsH/AF0pxfNHljoctd+5bqfRmo3Xlx6FJ/c8yvtjwjH5ej2kf/LPyI6+J7qCOSfSY5I/M/1dfc+hwJb2Mcf/ADzj8uvLzCajyQ6nHhU1uVNSj/eVmSffrT1KTy55KyJK5+VnZc5/x5P/AMU/cf8AbOq/h/8A5BsFQfEKT/inJP8AppJU+j/u9Ng/651dS/JoyJK5p1XkkqTzJKjkrHXuUM/1cdRySVJJJVeSmA2onokkpnmVrzAJ/BUEkm+jzI6gd/LpRXNK5ny9yR6ryfJQ/mVHJ+8qtXsi7EEklEdHl1H5lae99oYyaq1SySVBWfvE2GVE9SeZUb1vTMfQgk/d1BP+8q3J+8qo9K38pUXzbleoJJP3lT/6uoHqfackuVMqUb+hBJ/z0qvJJVi4qv8A6uSuunNmC93YZJVeerfmeXJVST/WCsZJ8+jKiuYjqD/lpUkn7uT5KgkkraUeVXe5j7nNY+HqDR0or1pPm06nQIfalFJk+lLURV3cBcZpcbaarU5q6YcrjdbiEpVNJikxS1iAtFGcUZzVcy26gOB20H5qatOrZScly9BDKfRTWqLcowpcim0VNwFahaSn04+9sBZh+7TP4qW3bapFOkp/IVuxbg/eV6T8J77yL6S0/wCekdeZWldv4AuvI1+CST93/wAs6yqU1yS8zWNpbo9yjkqST/Vmqkcn7unySeZHXztOPc5JSg+hXqX/AFdRpUfmfvK2leXwohVYx0W5b8z5KPMqvSv/AKuos+hdPt1J46kjkqD/AFkfl0tZX9m+ZbilFRJo56k/5af9NKr/AH6sRyR+XW/teePN0Mfe579B/n+ZUn/LOoP9X/1zp8cnlx1EYtS5om949yx5lHl1HH+8kqSP/Wf9M6PaSTuxD/M8urEH7yqk/wC8p6f6uqinJaLUcU4y5pFin+Z5dMjjorGnz/aK/ibE8ckklTx1BHJ5cdSR/u63jJLnH7trljzKfHJ+8qv/AKypI5KwjK0bCg7K7JP9ZT446JP9XR5lVCP3md77FxKfH+8/1lQQSeZT/M8unzLmsdF1y3tqWPMqT/V1Xg/1lT/x1XPDqMkjkqeOqn8dWI657lSlcnjjojqON6K1fNIwm5/ZLkfl0/y6p1LHJWco8uxfMupP/q/+WdSeZUcclT0Xfc0pu+xLRUW+pPMo5WEZcoR1P5lQR1P/AKuseW+xfMixHJSUyOSjfVS1LJ4/3dSVBHJ+7qeOm/dVjLmtuPqSP/V1BHU8dQ5c25rp2JKkjqP/AFlEdTH3RWLFPqCSnxz0+SXNfoFyT/VyVJ9+o/MqSOSs5QlKXNEVySiOjzKK0+MepYpPMqvHJVmp+1YY6pI6gjqf/V1MvefkTJ2EqWo/M8ypKC7D6kjqBKfT05rMROn+spZJKjjqSOOk/Idx6VLVeOn/AOrpCJaSP/WGlp/l0cq6FjqXy6Z5nz0/zKb1AlpEqPzKkjko23JsSfx0/wAzzI6ZHJT/ADKHoTr1DzPLqSOSm06P95VXKuP31LVfy/3lSeZ5dZS97XoFx/mUtFFTylBRRSeZ+8q6a9psAf8ALSpKZT6dgDzKPM30UUuTzJH0yiiiSuNrsSR0f6ujzKjpCuPpZKSlkolFSC5HJRRRQFw/hplPplXHQqPvBVeT95JUknmVXkk8uSiV3K9ybjJI6ryVP5lQzyUFFeSoJJKfUc1EtSbFV6ryfcqw9VJ6OaQjMuv3klY11J5da0336xb6TfJW0XzAUJJKgkqSSSq8klXBq9rAHmUyT/VmiSSq/mbKX2rhFpmtpVbT/wCrrC0utnzP3dZylzO6CWrufTX7PUn/ABafTf8Arvd/+j5K9KrzX4Ayb/hXpv8A13u//R8lelRyVhvsWPooooAloooqrlcoUUUnmVMveJFp/mUyish8o/zKPMplFalRaiPplFFTzGdwpP8AV0tFK/YLj/MoplFaXGTJUHiP/jxtPL/57xx/+Q5KnSqniOTZa2H/AF3rH7VjQYlWKrpT/MroMwkrJ1//AI9ZK06yfEEn+iyf9c6dgL/hL/kXLT/tp/6Mkr81f2lju/bO+L5/uppSf+SMFfpL4V/5Adh/1zr8zv2kZP8AjMj4yP8A9N7FP/JSOu/BP47fym9H+JC553fSVXgk8yrGpSVXtY/Lrypq+x9dFKPQguo6qWP7uStaTTXkqOPSpI5P9XSjJx6mkYqQy7j/AHdZPl+XXQyQyeX/AKusK6g8v/lpV8/vWvobexH2s/l/u/8AWUXUkfmfu6jgj/eUXVBhG0egzzKjnjj/AOem+oI5/wB5RPJ+7rad/d13Of2iqbD4/wB3TJJPMjqOGapJ5P3lROL5uVsOeJHHUk837io7eo76T93WvIo6QepN+4yCTzKr33/TOiGmXUldMVy/EzGXukccdW5PMjgqpHJRPJvjrKTlKVjONRR06kf8dWaz0/1lWJ38uOnKLTuZRkn8Yk/7umRx1HJJvqSOSuqNNqGuxEknsbtjJ5drWTP+8krSjk/0Ws3y4/Mkrz17srI3iuaPKhklRx/fp88nl1B51a6PZ6kyvDqE8lUJJP3lX5JKzZP3kldeHcl6HJW1jZbmlHP5kdQSfu5KP9XHHUck/mVjGLjPn3RPu8tpMkj/AHlPkj+emQSeZUc1dfPBS5bWZlyruSQVHdSeXRH9yo7795HWEvdlcq/u2KKf6ytKx+5WTHJ5daVrJW1SXNHlRzU+dyuiSeT95Uif89Krzx/vKkhrPmfLy9DpjJS0e5P5nlx1HSySfu6rwSfvKxkrl+0d7IZPJ+8okk/d1HdPJ5lSJ/q605ub4tCOZ9yhH+7kqeT95HUD/wCsqT+Cu675bXMOdkH/AC0q9/BVTfUnmfu6ictOUwlNxldD0fy6saPH/wATaD+/5lUP466HwrH5msQf89KhSurI56zvB26n0Ja/vNY8Nf8AbD/0ZX25pv7u1j/6518MWs8n/CVaLH5f/PCP/wAiV9yWP/HrH/uV5uITcoqXU5MLGfLcp6rJ5k9Z1XtSk/eVmSSVkehH3Tk/ibJ/xI4P+vuP/wBFyVc0mT/QYP8ArnWR8SpP9BsYP+el35n/AJDrWtf3cEcdVJcopPm2LdV6lqOSSsrMmTUQkqB5KfvptacrLIpJKZT3qCT93V83u2MdeaxA9R+XT/8AWUu+ojLlK1K9RyVJI9V3ra/Ye24ySSoH/wBXT5JKY8iSUuZzFYryVBPJU8klQSR/vKuKcTPlIKjkkqd6gkk/6Z0+VvYJPlCSSqkklSTyeZ+8qpJ+8kqIxcQveGgST+ZVf+OpJI6g8vy61UU99zHmvsRyVHP+7jqTzvL+/UEknmf9NKKeui3LtIgkkpPMpkknlyVHJPWkkpO1hRXNGzI5v+mdR+ZSyTeXUc8lawf2JGcmo6W1PiCiiiu46Bc06m04Guild/EQJT6buo3VsmkAm00c0u6jcajlXRgJzRS80nNQ/d2QBSg0maXdVwa6ADZpozSk05aXLzz0AFprU7dSba0ktLIBKctNopRXKBPAfmqzJHVSH/WVf8ujmd7FxfQjg/d10Oh3TwX0En9ySueT/WVrWslEve3HA+h7WSOeCOT/AJZyR1Y8ysjwrP5/h/TZP+ekEda38H/xdfP1pyjKyOSUeUq/vN9NqaSo/M8v93H+8j/6aU78+5nyK3N1J0/1dEkn/bSoJJI99EfmSVThKSsi4tR0W5JHT0qOPzKI/wB3WcrMwnf7TLNO8umInmU+inS9pG6ZtSi4kkclTxyVUSpP+WlLl9nuOMXItUsklRxz1J/wCtebljyvUco8vUkjp9M8zzI/+mdP8z93VSfLGyESR/vP+WlSVU8z95U8f+rpxaQou7sTxyUeZJHTI6f5n7uOuL1KlHl2LHmP/wA86t/wVUkm8unxz+f+8reMIyjzGXOnotyxHJT0TzKg8vzKkj/d1MZRj6k00x//AC0qxHJUFP8AMpSUpS5rHY3aNyxvqeD5I6qf6yOnxyb6mMeaeiIvKcbFzzKfHHUEcdPj/d05TT9wmnHuW/8AV1J/rI6g8yiOSiKlGNjWTcVcnjjqeoI5KkjkrG8hxu/iRJ/HU9QeZ5dIn+srWM4yCNPl66FinxyUyn76XNpYvmJI6kqOOjzKXIug+Un8ypI5KioqLik+Usx1P5lVI5P3dPrPlvsPlUyx/rKnjkqp/q46kjk304x5S/QsU+oI5Kk8ys6nkO4/zPnqxsqvH9yp/wCCtFK+wXJKPMplT/6yOqnenuMI6kjqvJJUkf7yolJLYmzJKsVXp6UnHm3CMlIloqKP/WCp6zleO7KCOn0yN6fVTjJxugJd9H8dR+ZUn8dTHUB8clSR1HRHJU2YFij/AFlRUvmeXVDuSVPHJUFSfvPLqpRcQ5kSU+mUnmUxE8f7ujzKZ5lFYvyLJ0qTzPMqNKPM8upk2uhNh9SQ/fpkf7yShKuKb6hctUySo/MpY46Ury6hcmoSljkjojkp2fcokpI6jpf+ulWrR2RNh/mUeZ+8pn+r/wBXT46m5WncWn0yisJNvqA+iimVbfYB/mUeZRTKqVl0AnjkqN6KP9ZShpuK/YP9ZRRTKYrBUcnmb6kqJ60b926Cwk0gqvJippqqSSbKIu5NiO4qCSSp/wDWVBJVEXkV5qgkk8yOpJP3lMf/AFdTK76mtivJJUE8lTySVQnkqE+XcLGbdSeZWLdSVp3Un+srFupK6YtILkEn7yq8klMnkqvJ+8rWNn0IvfYk8zzKgn+/RJJ5dZN1dSeZS5efyJi1Hc6TQ5PMrof+Wf7uuT8OT+f5ldTB/qXrCUbT0K5kfTX7O8fl/CTSY/8Ap7vv/SuSvTUry79nefz/AIUabJ/093cf/k3JXpsclc8VynRMnoplFOXvED6KPMplAD6KPMooAKKPMplEfdAfHJUnmVHRQAeZRRRVWAKKZRWIrD6kjqCn1oMsR1U1+T9xaf8AXep46qaz/q4P+ulTb3rCJEoqOP8Ad1JWlxkclZPiB/LtXrWkrm/FUnl6dP8A7lXFcwG54V/5Adh/1zr8v/jtJ9u/au+NE/8Azz1ySD/v2iR1+nvhL/kX9J/6aQR1+VPxG1Q6h+0X8b3IwY/FupJ/3xcFP/ZK3w7cec6cMuavA5jUp/3lPsZ45I6zdWuo43qpa33l1FeKUeZH1097HpOhyQTyR+ZXo2lWMHiCSCwtIIJJJP3f7yvmm+8aSaPPHJHX0X+zLrlp418cWEEcn7yCD7d/00SSOSOolRcaftLHlVcWoy9l1KHxK+E+teA5P+JlpM9hJJ+8jjk/jj/56R14lfXX7+SPy6/XX4jeBf8AhdnwpsNR0nNw8N15kkM/338vfHJsr8rvjN4Zj8M+Mb+OCTzIJ5N8f+x/0zrTDYJ4qHOjnpY6o/ckzk4JqLuTzI6zbWeTfT5pPLrGEeSXKepTqPfoEccfmUXT/u/3dQRz/vKk8yPZWlVXlyrQnlu+aJHBU8kkdQRyfvKjnkqvtWZlTp8vWxbhkj8uql9JViD/AI96oXX+sqqT5ZcoczhCy3J4JP3dVLqT95Uif6uqk/7ytIRSnqYuU5RswjqSS4qOOiaqcFzcy2M1ePUPM/eVJcVHDUk/l7KrlXNcmMHJX6lCP79XIajp8H7urqvl2J9lI1vM8u1rN+ffV6f93a1R8z93XJHR3OipaPkFxUG+nv8A6uo/9ZWj97VR0Oed3sxklVP9ZJU88n7uqEEn7+uuC543icktDTkk8uOq8dST7KZUx5n6hytbj43qOeT95UieXVCeT9+//LSroNc1mRO8FdF+OT93UF3J+7ojk+So5q0nH3rk8zkVP461rH7lZVaNjJ+7qasb7aDhFhP9+pI5P3FQSSfvKfHH5kdYTioRvIuEZc1+pYjkqv5n7yhH8uo0rHrdEylOO4yST95Ukkn7iq8/36JJPMjrs9n7mwRlzblX/lpVr/lhVTy/3lWJJP3f7uo5lT21MdRlPkj/AHdVI4/3lWv+WNdXJGp76Fpv0FjkrpfBcfmeILTy/wDnpXJf6uup8AT+X4gjqp29ntqctWSjTPoDTtknxC03zP8AnvaeX/38r7Ysf3drH/0zr4Ygg1LWPGMEeheX/aUfkSQb/wDV+ZX2zof2uPSoPtfl+f5f7zy68PFN88Ls58LL3PeK99/r5Ko+Z8lW76TzJ6qSVG+x1nEfEqT95osf/PSeStqCT93HXO+P5PP1zRYP+ef7yuht/wDV1Upc0UuwdbljzP3dRyfvKP8AlnUfmVjHmYpRUhkmyo3qSSOoJK0crOw1oElV5JN9D/6ymU3JIyt/MRUySrD1Vkw9TqXF22IXpkf7ypJJKr+Z/wAs60joPUJKqf6upJJKirSOhFxslR/8s6P+WlR76qS5SuUZVOerEk9QSf6s1tGV43TERyf6sVBJHT5qgepj7pnL3XdDKrzyVPJJUE3+rqVFc3MzLpzXIJKI6JKjraEodNzWM7jJJKp+X/z0erEklVJJPLrWleUrIyqVOTZhJ5dQST0kkn7umVpLk5bS3DmR8VYxTSTTlJ70NivQlHmjeOhqJtpuDT9tG2k6dwE20UUVXIuggo3UUU7PowDNOxTaKIztuAYp22lplaWUQCloxS4ojFsBNwNG2l4pQobpTt3YDacFppFHNCtH4kBJH96r/wDyzrPVtprQh/1ZqK2xUSP+OtK1k/d1m/x1pWNZSqcp0Ri2e3eA5/M8M2H/AEzTy66HfXL/AA//AORYt/8AtpXS+XXlVYuUuY5Kq5tyOSSq8f7ySh5/3nl0RyVl9g5eamD/AOsqxHJ5cf8A0zqv5nmf6upP46IycSJx/kJPMqSq/mR1P5nmUnHmldly5orn6hHJUm+o/wCOpP8AV12RnyxvoTZ817k8cdSfJUHmU+OuWpJ79Doi+bYk/wBZU8dV6ljn/d0rxcbLciVo7j5JKkjqCnxyeXHVxjaNrC23RY/d0/8A651BHUkclHItupXLzFipo/8AVmqkf/fupI5KVOK5uV7E01LqSSfPU8En7uoI/wB3JT45HkkrOTUegX98t/8AXOp6qxyeZTq1jKmobClpK5ZgkqffVSp4I6UbSjfU1jeXTQseZT44/MqCSp45PLjrOT5di5RTJI45KsVXjm8yiOT95Sk+WPMjSMlEsR1P5fmVBT0rOdRk8vclqbzP3dQRyU+P5Ki4cr+yyTzP3dSR/wCrFR+ZUkf7yrjaWyH7Rc1i3HRUf+rqTzPLrHmCXvD6k/5Z1BH+8qxVS900Hx0/zKg8ypI6LMXIP8ypEqOSiOq5WXYsR/vKdTKk8z93Uc32BliOSpPLqvHJUkcknl0pRUhWJ/MoSmU/zKShy7ILD6k/1dQRvUnmUp67BYf/AKypI6jjk31JVRjYLEkcn7ypI6r+X+7qT/lnVcqeworlJKdTP4KfWQcxLHHT/MqDfUtKLsF77DqfTI6kjplEm+hKP3dR+ZSnfogJ46fUKVP537upjqO4lSp/q6r/AOsqSP79VOQlqSeZU8f+rqD/AFdP/gqR2JI6kplJ5lEdAsSUfxUyp/8AlnRLUJLm+EelLVf/AFdTxyUPSNh2XUkjkp/meXVOpqjkd7jJv+WdHmfu6joqrikuUueZ+7oj8yoabv8A+edKTsBcoqPzPMo/ePWXtEJO5JRUccdEcn7ytI2l0K32H/6ulpPMo8yrj7pEtBafTKTzKJe87hAkplJ5lLUeg7BRRUT07e9zFEnmVBJJRJ5dRyf+i6UveJT5hk8lV/MqWopKcYzj8QWGSVXkkqx5lV5JK0bsIgkqB6e/+sqCSSpHfuQT1Unk8urclZl1VWREm49DOupPMFYl1JWld1jXUnl1cZco7FC4/wBZUEklSST+ZVeSSuqEiZajJJI5I65PVdc8ueSOuokrz3Vf+PuStJJSjzdDKXunb+ANV+1STx16FHJ+7ryfwHJ5dw//AF0r1WP50rz/APl4aXR9Q/AmPyPhPov/ADz/AH8kf/bSeSSvRY68++B8n/FpPD0f/POOSP8A8iSV6DDUG5Yoo30UrgFFFFKSuAUUUUgCiiigAo30UUAFFG+igAooqKnYCWiijfTsA+OqmsP+8tP+ulW6zdYk/f2lZ00TYtx0lM8z5KZ5lUUPkeuX8XSf8S2euhkkrl/GMn/Etk/551rFKIHSeGZP+JHpP/XCD/0XX5I+PJPI+PXxj/6aeMtWj/8AJuSv1y8Kx+Xo+ix/9MIP/RdfkF8QJ/8Ai9nxUn/57+L9Wk/8m5K6cFTdTnsdFL3akLnNaq/7ySqkM8lSar+8nqCDzI46r2fuas+h53v0MHxcnmWNex/8E/dWEH7QP2KeYhLrRrqOBO3mJsk/9pvXjnib95a13H7Fl19i/ae8JT+iaiv/AJIXH+Nd1Kn7WhNJ6nzeMi4YnU/Y39kf4gWXiL4fa7pABhutA1W7gnR9/wDq3keRH+5/nFfm3+1jHp2q/ETxBq2lTxvYz6lfSHy/+u/yfJ/BX0v+xT4pfR/GHxxsY5HkRLG01VHk/wBZ5n7+CT/0RHXx58bJ5LSOS08z95JP5klevksoYX2zlq7WOWE5qV2eTwP5clF1JVSOSTzKtzxySR14GIhH2h9JQcpxuQRyfvKk8z93VSOT95T5P3lPlTfMjSVRSjaJJ59SeZ+7qp/y0ptc+i33MeeUPi1NCCT/AJZ1BdSfvKkjk/d1UuP9dW1O1+a2oQmu+g+Ofy46oySfvKt/8s6ofxU7OcuZinNWtEvx/vKr3UlSQ1BPJ+8qU+XZGdSpaN2PtX8yOi6eTy6IKZPVPlvzLYyjK0bEccnl1JBJ5lV46uWsH7ypqTW9tC6fPOVjSmk8uOqkcdT30myOqEcknl06XvQOuc+XR6kk1QRyeXRNJ5kdRxx/u6t04S2OKcnU+EgnkqpB+8kp99H5cdQWsn7yteX+U55e7p1Lz0v+sqN5KI/3dLltuRzSJ4JKgkk/eVP/AKuqM8n7yopla9y1UE8fl1JDUd15n/LSqpq89AuuW7KnmVp2Mfl1k+Z89aVj9ytqto9DKnUCb/WVPHP+7qpJ9+pPMrllGco2NY8yfMtUWKrx/wCsepP9XHVeOStI02tjSpJ9gnk+emeZ+7of/WUyiUrHL6Ff+Kn+Z+7pklPk/eR1caajHmkzG4sf7ypKpxx1PHJXRf8A5edC4vm9BklbPguN/wC2I/8App+7rGkk/eV0PgDWP7N8TWEn2f7X+8/1fmeXU1Zc0eZbHDXWnKfUPwZg8v4qWkezy/Lr6/8AM/d18j/AuCSf4hQXckfl/uK+sf8Al3r52reWIvY1pwXIZF1J+/qpJ5kdWLv/AFgqpJW93TNbHEeNP3njTTf+mcEf/oyuoj/1ZrkNck8/4gOn/POCOuogk/d1jiPd5fMdvduTySVBJRJJUVHL7txXJqr+ZTqhuJKBBJVeST/WUu+q8ldVOK5bkyfcJJPMjqP/AFlHl+XUe+s5R5hDJ5Kr1I6eXTJJKu0fmVcrySUzzNlT/u6gkqOYUVyld6ZJJsp++oJP3db3j2M2nLqRyVBJU/mfvKgk/eUQfYmL5ZWkyCST95Ub0SSeXTPMrWreUrhJqRHJJ+8qPzPLjokj/d1HJJ+7pwTMFyxfKyDzPMjqPzKJ5PMqCT/rpSutlua27hJJ+8qORPMo8z/WVA8nl+XT5mRdc3LYgkqPzKkkeq++r5Yy+Nhe+x8YnpQOlLtpK9mScXdmovNHNGTRk1pzIBKctN5pVzUQetrAHFHFIeKVeaad5cvUBKNtLiio5f5gDFFGTUscZatNOg0m9iMBm6VKtqWrQt7Gr8NrH5dZSnbqdUaK+0ZSaeTTpLHZW9Ha1bj02OSuSdaUNbaHf9TONazIoWzJrp5tNqvHptdNOaqRujD6q3KyMaGy3VPBB5clbSWNElrU8z5rBUw72W5iyfu5KktZPLkp93B5clQQR/PWkF71jmtbc9u8Byf8U/BXQ+ZXL+BJPL0OCukjkjkrixN4S5bHmSlzSsxk8fmSURx/u6jnkqCOSuTlfJqLT7Ni3H5n/XOn+fGlVPMk8v8A1nmUzfJTp031M5VJR2iXo5PLk/eVJVCCSrEklLll2G5KUNSzTo5KrxyeXUkEfmf8tKmMebRbESfL6k/+sqxHJVeP93UkclaxjJadBxd5XkyWnfw0zzKf/rKiUVe1rM6OWP2iRJPMqT/WSVX/AIqsRxyVjzP7Ww5Jy2Hx+ZH/ANc6I5KXzqjSto88fskTttfUnjq3H/q6qR1JHJJ5lEqd481zK9tyeOp45/LqCOSpPM+Ss+VvYuc4PYn8yP8A1lSRyVHBJUkcn7ypgnzWRtGokTyVJHJ5lV45PPqSP/ppW1rmdryuifzPMkqSOT93VdKk8ys6jV+WCNfeLcclSRyfvKqRz/vKnjk8yP8AeVm4yj8QR93cseZUnmVDRUuPM+bobRtLoWd9P+eoafHJ+8rS19kHtOxPUkclR+ZUnmVCThK+xhF8225JJJJUkfl1X8zzKkj/AHklXL3irMtxx0+oad/BWTfNub0yxHUlV4/3dSRyU9YdRyk4k8clEdMo8zZUSmpC97uTvUif6yq1SxyeXU8wFtP9ZRUH/TSnxyUSVxx03J6kjqDzP3lP30XtuLmRY8ypI44/LqCnx0RSkOPvEnyVJUfmUR0cyCPuk/8ABUlvUFP/ANXT5hydixRHVf8A1lSSfu6ykmuo7k/8dJTI5N9SJUezl3FF3JI6f5lNoq0rFDvM+epPMqOOn1PMTF8xKlPqCOpI5KUXY1H0+oU/1lTVN3zWsAv/ACzpKXzKSrjoQtSWOSrFV46KuOvQdieOpKjjo8yoswuSUeZTKfTim5XJ1HVNVfzPkp8dO9tyrktOqvU1TMLjo6k8uo/Mo8ylYLkklSRyVXqSPy6XLGUrhZ9ySOSpP4Kr/wCsqTzP+WdVOMSh9Mko8zy5KP8AWSUBL3SSOSpKj/jpN9ZcrICijfSxyeZVFklV5I/Mko8z/lnUbv5lWQLJHUUlSeZUEklMuPuhJ+8qCSp5P9Wagqo+8TJ2lzFd6ZJU8lVJKgT1IHqOSpHqvJVRVh2IJJKzbr95V6as2eStOUnnRk30n+srFun8yte7krBupP8AnpW9KKluKTuVJP3dRySUyST/AKaVA9ElyzJj7wn+skrhdcg8vUp/+uld2lcfqqeZfSV3Rk4x5Z7E8yLfg793dV6xayfuK8u8IwR/2lJH/wBM69Otf9RXnys3zW1NIqx9V/BaPy/hl4ej/wCmcn/o+Su/jkrhPg7/AMkx8O/9cJP/AEZJXbpXFKScrnTL3ieOpPMqDzKfSJ5SxUVM8yn1MpXIF/5aUlFFVH3hhRTPMoqYy5REnmUlM/1cdHmVQyTzKSmeZRUX7iCjzKj/AOWlLJJTghk1FQx0/wAytQLEclUNc/eXVp/0z8yrcFZuuSf8TK0/651lzFcpJ5lFV6lrSyJEkkrlvGk/kWMldL5lcf4/k/4lU/8A1zpx0K5ju/Cn/HjoX/XOD/0XHX47+Jf9K+IHjef/AJ6eINSk/wDJp6/Yzw5H5Emkp/zz8iOvxf8Atn2vU9duv+e+qXUv5zua9bL9cPUfY0iuarBGVqXmefJUEcn/ACzqfUvv1Rjk/eVjb2m57k5cnUqeII/3EkddN+yL/wAnIeDf+3v/ANJZ65nXJP3Fdd+x6v8Axkx4Rf1jvv8A0hnr06EXCB42LXvn0F8C/id/wh3j74qCeSSP+0rSO0j8v/pnPP8A/F15H8ZtS+1eJrv955n/AC08yOqEeuR6b4012TzP9ZfTx/8AkSSqPjGf+1b6SeP/AJ517lPCPlvBfEeJ9agpWcjk4J/Mkq9PJ5cFVPLjgk/6aUsl15leVUyvE15WUdT6CnmmHp09ZCRyR0u/y/MqvJdJTEmT+/W/9hYuOyujD+2MPONmT+ZUn+skqPzk2ffqCS6TzPv1zf2Lip6cmpEczouVkzS8uszf+8qx9q8yP93VfzPMkrjeX4rDRvNWOuWKhV+GSRJJJ+7qhJ+7k/6Z1bkk/d1U/wCWlRCD35dC5yjU2f3FyOSq88nmSVJHJ+7/AHlUJv8AWUox5Z7Eylyxtct2slST1Hayfu6J5PMq7eRKa9COOSrdrJ+8jqj+8q1a1Eocz5bWNafNzWuX76TzKqRx1JdT1BHPXHyOGx0Tkra7lef79WP+WdVJP9Yak8/93XVKDdraWOaM0uhTuvuUy1/1lF1JUdpJ+8rq5XyanNKSUrluT95Uckf7upJKjkkqI8qNJvuWI5PkqpJ+8kqSR/3dV/4/xqbOW7sY69WT+Z5dMmp6SeXUF1J5dKnHXyFJcu5U8utaxj/d1lVq2v7uOqqxcSYeRHJJ+8ojk/d1BJ5kklSQRyeXUTve9zePPEnjk8yOoP8AV1J5flx1HTl70bxJ5ny2Eko8umP/AKyjz/LjqI0nLYiMk/iIJHojk/d1Xkn8uSpI/wB5XVKKjp1OfmXNckjqf/lnUEdPkk3x1XNfY0hJEEldv8IfCM/ibxB5kf8AqLX95JJXGfxV9Q/sU6VHPdeIfM/1c8Hl/wDkSOuSvJ04anPOCnuejfBnTZIPGkcnl/u44P8AWV9FySeXBXNeHPB1po989xB9+T/WeXXS3X7uCvJvzz5y42jGyRizz/PUHmVJJ+7kqPzKuUnIDz26k+1fEK7kjT/Vxxx12Ef+rri9Nk8/x5rUn/LOOSOu0jk8yOorRlz67AtCN6JJKHqCSi3cAkkf/lnUFTxyVBWkY2B6EclRzU+oJKd4ibuR76ZJPRJJ5cdRvH5n7ynp0REvd2GSSb6Y9FRSVPKGvcZJVeSSpJJKgkrSSsMa7io5JBTZKY9RGHMBXkkokp9QzyfvK6oR8jKXu7kc9Qf6upJKp+Z+8q5u/mZRfL8WpJPVR6nk/d/9NKoySb6XM/kahJ5kdV5PM/66VYf/AFdVH/1dKWpjzO90yPzP+elQSSSPTqbJ8lbWhP4UXTvPfcZUVFMkrq5F1JqrlPjTdS0hFAPWurmd7M1ClGKSirjaOyAcVptFOWq+LbQBtFK1C1NvesAu2lpBlulSxwlq3i4/ZGothBFuatC3jot46tx1y3XtNdj0aVLmVieOP93VuCP93UEFT+Z5lJ+/Lltc7qcfIsJ/q6njkk8uo46kjk8uSueUeSXK1r5m8Xy77k+z93UHl/PVhKKx1pyvE6IxUtnqRx0/yI3qT/WR1HH+7q1Ut1LlHlMnXLXy/wB5HWKn+srsb6Dz7WSuakg/eV0UdNzwMVHkmeo+AJPM0f8A65yV1f7uuM8Bzxwab5f/AD0krqPM/eVxYiTlPQ8GtUUZWC6kj/1dMjjp8lVPP8ys+X3bGEayW5Y8yPzKf/q6ov8A6yiOf/ppVR5Yyve5XMuazLfmeXT/ADP3lUfMkk/d1PB+7/6aVX2rhvqloX/M/eUeZVfzKkkrIdRytpuW45P+edSW8lV4/wDV/u6kjk8uSnzPuKMVz6blqljkqDzPLqTzK1ty76nTKcZOyRPHJ5flpU/n/JVSOSpJPL8v/WVzSkoysomEqijC3Unjqeqkcn7ypPM8yteYIx9pHmJ/9ZUkf3Kgjk/5Z1P/AMs6nlj1OnlXUkjk8yOn76ZT6d4kSipRtEsQSeXU++qnmVJHWSu5XTsZ35PQvf8ALOiP79Mj/eR/vKI/3daRlGPU3k3KN4k9Ppn8dFVJKo+a10RTvzXkixHHU8Enl1BHJT45/MrnlJSKjJynsT+Z+8qTzP3nl1BHU8claQioRuaOTlsOp0f36jqSOp5exlKM2W46fHVRP9ZVjzPLqbfzBKTjG5NSx1HHJ+8qx/rKwk9LI3o+9uT+ZRHUCf8ATSpPOrSMeXYmUlHctb6P46ZH5dPrOTsUSRyVJHVepI6jmNY+8SSU+Ooamj/1lVOI7E9SR+XH/rKgkko31nzMrfYn8ypI9kklVEq3H+7/AOmlPTuTck3VJUVFaSXKLQkjqSN6bHjy6k4rnkrladh3mfvKnT/WVUj+erFOCI5rysh8c9Hn+ZVepP8ArnT32NPhLNPjqvH+8qTzKqUXHcm5P5nl1LVb/Vx0RyVhFNdR3LdFQb6ErRWjuPfYt+ZUdM8z95T/ADK19A1LEclG+q9Eb1lysmUlEsJT/MqDzKk304+6EZJj6fTP9ZR5nl0R94uxYjk8ySn/AMdQR1JHUS1EP31Yjqn/AB1JvqY1LdQLHmUR1HHJS0pe8BLS+ZTI3okeh6u5ZOlSfwVUjp/mU4u8ybEm+pP9XTKTzPMrSyCw/wAyjzKZBT5KziuUoPMqTzKg/wBXHT46Lcwix5nmUSfu6bUW+Ss+X3xWJ3kj8uo46Z/rKI5NlXra1yiWkkjqPzP3lJT5X8wleISUzfHS1FJJ+8ojddQCSSoafUclUTYjn/6aVUkqeb/WVBJVi1GPVSSSnyPVelBDuQ3FZN1JWtcSVk3UlMRk3dYV95e+tW6krGupK2hJ9DOUeYoP/rKgkkp88n7yqk9dVKMY/ERHQkR6wtS/eT1sxx1jX0fl1c5e9Ym3IP8ADknl30delWsn7ivKtNuo4NSg/wCulenaTJ5kdc0ueW5rCR9ffBmTf8J/Ccn/AD0sY5P+/n7yu0jrh/g7+7+Ffhf/AJ5/YY40rtPMrhudPMTVLJJUHmU6s5okl8yiOSoqXfVR94CfzKZ5lR+Z5lCU7+9ygS0nmVHvo31WnYBKKKXfURtIB/8AyzpfMqPfRvp3ASim0eZSAfvo30zzKPMrN6bgWo3qjrEn+nR/9c6ngk/eVQ1T/kMJ/wBcP/jlR1uVyklFMorXmvsSD1w/j+Ty9NkrtJJK4Tx/HJ5FUVF2PUdHkjjurSST/Vx+W9fiT4Lk8zwolzJ/rJp3f/x+v2K+IXi6x8B+AfEOtalq1roUEFjPHHfX3+rSeSOSOD/yJ5dfjn4WX7H4ZtbWT/WJJJXr4BWozNKa/fLyC+k/eSVmxz+XV7UpPLkkrnZtQWGTj79dWFwFXEO1NnTiMZCmry1ZY1KTzI/3lRaHrd54P1iPU9Ku5LHUY0kRLqH76eZGY32f8Aesa4u3mOTzUKy7q+2wOX08NHlmuZnzFetUxEuZ6Gm+pTSTb5Jnd/77vWh/bEjr871z3m7Wp/n19HTly7KxwSoqRrvff7dVWv3Z6pLLSebXRKtGWyBUUuheF/tqJ77bWbJPTGk+WrlXpxNlQRsJqb7aX7Vuaspbny16U9bqueGJjzcttSfYrojSN0y0smoSP/HVH7R5i1Gn3qis7fEJUzb0+V7h/nNdPa2NpP8A6yTy64+xuPs/360Y9U2fx114fBYet/FSaOSpKspfu2dHJodpH/y3/d1Q/sOOST5LuOs7+1nuPvvVmHUEXkUVcoy+Ss6SEsVio/E7kk+jzwR/89KoSRyeZWqutlY6al1HN/rK8TE8N0Iq9B2Z3UczqU/iVzJ/1lW4f3ddFBqFikezy0/790lxHpL/AOrk8uSvNnwvXlDnhNHZhs7SlaUWctdP+8qPfXS/8I7Hdf6u7jqpdeFbiD7n7/8A6514FbIMbRhdxuvI9KOZYeW8rHPeZ5knl1bk/wBXRPpV3B/rIJI/+ulMk8yOvMq4OtR+NHVHE0p/DIoXcn7yo4KL6B5KLWPZHT5J8mplGUYyvck30f6yjZUkckkdZcvL8Jtz+0ldj/3ccdVI/wDWVPJ/y0qCOP8AeVXNzFciJ6hun/d1JVe6k/d1NO3VmElylSCT95WzBJ8lZUFaVp/q6VaWnK1qVS1CST95T/M/d1A9LWMotrle50c142Ra8z93VSOSp/8AlnUH8Fbc3u8tzDmQyb79H/LOo5Pv0+f7lEdSLrmvYoTf6yrEf7yCqkf36t/8s66nGMo2bMv8JH5nmVY/1cdV4/8AWCrn/LOuSpHsO9tyv5dfXf7EcHl6brU8n/Pfy6+RPM/eV9sfsY2Pl+B55P8AnpPXBmNS1KKT3FHQ+ooI/LjqC+/1YqeP93HVDUf9XXn4Zt9B2MmeT56j/wBXTH/1lRySV0TYo6HA+Hf3niDVpP8ApvJ/6Mrs/M/d1xnguTz5L+f/AJ6Sf+1K62s5yXtbEyd43HSSbKgkokqOST93T0W5nYJJKgkfy46fTJKcZXHGXNsR/wCsjqPfSySeXUclXBwKlKxHJJ+8pk8lEn7umVd9LmcveI/+WdRyPRI9Ryf6upHzdiOmSSUeZ+7qvJJvrWSv5D5uwSSVBJJR5lQeZSjBtXM41L6W1E/5aUyeiSSo/wCCinPnlykc7IKjkk/eVJPJVR5P+WddVnCVo6lpKOxJ5n7yq8lEkn/fyoJPMqJ03fmlsTLRcrI3kqCPzKf5dMkkjjqlZ7GdOMXsRySVBJJ5klE8n7vzKj31tFKMbXJXLBXbsFQSSUeZ5lRySeXHVc7qWS3QSkpRuj49K0m2lzRjNem0pbHSJmik2GjkVlea3QxaXFNzmnLWsXzO3QQlFLRmiy7gTRxkVajqmk1T+fUp313R0wqKBbjk8uSrcf7us3zqnj/eVco216nVTnrzdTWjkj8upI5KoR+XHVuD95XJUtTfNfU741nKNol+D95U8cdQRybKI5PMqL+0lzHRGTiXo/8AVijy/LkpkEnl1JvrojRl9kvnU4bD46KIP3lH+srnqpR+JFSu7a7hHvkrNurHy5K1o46r30fl0U6q9p5HLiIKVK+5f026jtbWCuhsdcSOT95J+7rz2O68tJI/79JBdS7vKl/4A1ejUw8a0r7I+ArTkpto9Zkn8yOoPLjjk/v1xuk+JJIf3E5+T+B66eGfz468eWHlRny9C6VROXNIt+Z5knl+ZUf/AC08uoP9XJ5lPjk/eeZVRjyx5raF2c92WIan/wBZVDz6kjn/AHlQnfbQOZF9PMk/1n7uk8z/AKaVV8/zKf5nlx1tGMYw94JVIotwSf8AkOrHmfvPMqh5nmVP5lZVI9kRG6jz20LEjyfu5PMp/mfvP/alQfw1Ygk8yOrlJKPKPWpsy1/BR5nmVBHJUkclcrjaXM9Sr+7Ytx/u6fHJ5lVfL/5aU9KXMg/eb9C35lSeZ5lV/M8yiOiUeX4jp32L6P5lT1Ug/d1J5nmVtCKLuvsonSpI6gjkp8fmSVzNqPvvVGcVzSuWIH8uSrcklUI46nj8yOhpS99M1j7u5bj/ANX/AKzzKI6g8z95+8/1lT+ZT1WregRl/NoTpRTPM8uOpE/1dD5b8y2NPs2J/MqfzP8AV1U+SrEdJPl3OaN4y5bD5JNlSQyeZUccflyVIn+srP2nIdEbx3ZP/q6fUPmU/wD1dV/Edxc6nLltqSR+ZU8dQR/6wVJs8z7lO0exUZdyapUqvH8lSI/mUTZd12J45I/Lqx5lVKk/jrONpdAupk8cn7ynpTKf/q6iT5TWPukklSVXqxSfvbgOpfMojpKXKgJqfHJUcclG9KUVy7mMnzSuW4/3dFRxyf6uiST93RbuVZkkclTx1BH+7qSOTfQ5RlsbXJ5JPLqOP95SbhT48eXUR90z5VzXHeZ89SRyVXjk8ypI6dn0NLk8clSRyfvKgj/d1JT5hcyJ5JKI6rxyVY/1dRcokp6VDTv+uf8ArKVyeXsPp0clRyU9K0tfYGrE/wDDRHTPMpaiwSkkTR0f9M6jjoqfeCL5ixH+7oqPzKkf/pnVlD6fUKUb6UY8waFuCT/WUeZ+8qvHJS+Z5dNU1HYmL5i1sqT5Kgkk/d0R1BdyeOj/AJaURyeZS0Rly7i1JvMpkj0yip5m9h3Jo5KX/lpVfzKWnysot0VDSyfvKctSbEtJ5nl1HH+7jqTfUxqJb6i9B/mUU2kkkpf8vB3LNQ0zfRvrWyKH+ZTPM/eUPUdacpBJ/q6jko8ymfxUuYgJPuVUkkp8klMrMsrySU2nSRx1BJVvQCOSqslTySVBJT5h2K8lZN9JV+6+5WTNTjFxlzCMm+k/d1i3VbN1/q6xrr/WVvSXMRK6M2f/AFn7yqkklT3H+sqp5fl/9c63g/Z7mMnzK8SeCSOPzKytVjk8utKOSq8n7yDy6Upcwoy5pct9Tm4/3c3mV6h4ck/0WOvPZ7X/AKZ13/hz95YweZ/zzrnnzdTSdPsfZPwhk/4tX4T/AOwbBXa1w/wh/wCSX+E/+wTBJ/5Drs65DpjqWKKZRQA/zKPMplFK4D6KZRUy90B9FMoqrgPoplJ5lMCTzKPMqv5lS0rE3E8yjzKjkokkosUHmUUyipAtQ1R1WT/iax/9cKt29UNSk/4nH/bOquA+l8yo6P8AV1IEkklcB44k/fwV2kknyVxHiaTz9YtIP+ekkcdOK5tgujN/awvrCD9nHx1/a77Ip9OeCARwef8A6V/yw/8AH6/K2e+8ySef/npJ5lfo5+3Z488KeHPgvJoOuak8fiG9eO80fTrX555nj3x+ZJ/0w+/X5d6tqbXHyr8i19lkeWyq4fnqXSOCviJ0qiUOo7V9VkmkdVf91WSw39Kft3Uzivt6FKlSheKsjg5nJ3k9SHyv79O21I1CptWuiVO3wMfMNVfmqKT71DNtqJm31neU9y4rW47dTWk3U0tSbqnmcNE9TSw7NN3UbttNzupzmtuoxd5o3mm0VwfvO5WhKkxFWo5UaqFO8w1tCpK9pESjc0PN2037V81VvO+Wo8mvRVdxjaDM1T7mjG9XIbp46yIpitWFnXbXXTrSnu9TGdO5f+1P61Kt58tZnmYWomvPSumWJUN2Z+x5je+1VFJfotYv2uneZWbxTmrbiWHS3NUeIbi2+4+KX/hML8fcnKVjN81Iq1nLFNWUepp7Cl1idHH4u1SQeXNdyOn1rSs9SWX76ZrjVbZV2G42962o1r/EvvMalHrHQ6i4jhm6xx1LawW8H36wEv8AbUVxqny/erenHDyfNKKZx+zqydrs7Sb+w5IPniKSf9M3rjtQmtIpP3bVjz38j/xVAshavOxMMJWfLGmr+h6VKnWhrKbNGS8FKtwzdqzc+XUiyfLXkTy+hOXLNanXz1I7M0POLVHP+8qssqq3SnLJ5ledLIoRlenOzL+sT+0Pj/1grTT/AFdQwRwOvzffqx9nX/lm1ctbIsRF8ydx08ZBO0tCrJUn8FSSWElJ5deHUwOJj8cWjsp4iFX4ZEn+rgqpHVvy/wBxVTzK82opqXLsdEkkMkk8uSnySfu/3dQSR+ZJ+8qST7lbpqMeVahzFDzP3lTzyfu6g/5aVJJJ+7raxkEcn7yrcklUPM8ySrfl/u6zlT5dnoOLsHmeXX3l+yLY/ZfhzB/00kk/+Of+1K+Ca/RD9mGD7L8MtN/6aSefXhZivcgOCXzPbvL/AHdZOq/u460p5P3dYuqyVnB2hoKxR31UvpPIgnk/55x+ZT5HrN8TXXkeH9Sk/wCmElVGDlsFjl/AH/IK8z/ppXWSR1y3gv8Ad6PH/wBNP3ldL5lVKPNPYRHJ+7pn+sqSoqJxVrEb7CyR1XkqSR6gnpwHyoSoJKkkqDzqXKhEc9QfaP3dPk/eVBJSi7Fh5lQSSf8ALOjzKryfvI5K1tbcz5l2JPMqB6JP3dRVJHMMk+5TPMp8n/XSoJJI63ipJXIdOUvfTI5I6ZH9yiSTzJKjkk8utoxUdxyaXQgn/eVHUnmVX/1n/LSpqx5SY+7uMk/1hqOSSiSSoPL/AHdPeFk9QlBSdwkk/eVXkk8ypJP3dQSVpRile/Uz1pqz2I5P3cdVJ5NklTvVST95VRtT3V0R7tTYJKgkk8ypJ5PLqvUS956uyKjFRle58j0ZoxSba9bXojpHhqaxpwFIwrWfNyCG5p1JRUxTW7AKcrYpMU4KKuPu7DGkAVPHTGVo/apEfdUtW32KRPHJvqREqvHU8ElTLy2OqnJliOSrdvJ+8qpHVuODy6x5Eld7nTDTfcvI/mVPVGCr/wDrKmMbbLU6eZzjysN/8FW0j/6aVUkjqeOSPy6UozVK8WdNNqPxaltP9ZUkn7uqkcknmVP/AKysI6+/P8TRzjMPP/eVHffv4KXZV63j8+Py66KaTlzpaHLUpufuXOUC4krTh02WdOI67XwzawQef5kaVvSPGn/POuqdaXNZHxeLw3s5u72OX0DwmiyJcXf7z+5HXUSRwf8ALOOiS4jjj/1lYt9rHmfJHRNutG0tDyufllaLJLr/AFn7uo4JP3dUPM8ypI38uuWdNctrnZQqMt/8tKk8yq/+sqTzK5rI2lKMXaxPBPHHJ/q6PM8yTzJKqRyVY8ynGDlsYykpfCW/9ZU8f7yqkcn7uiCT95W3sly3uaxtFXvoaXmVJH9yqkcn7upI/wDWCsIwUpWYQvbmi9C3HJsjqf8A1klUI5KseYlbyg5bGkXBk/mVY8yq/n+ZUn+sri5bPmWxskn5luOn+ZVSOTy6sRyfvKmSlH35DSk1daInj8ySrCf6uq8cn7yrHn/7FXdctpIz5nDzJ0/1dP31Ujk/56VYjkrFx6rYe+xPHJUkf36rxyVJG/7ylywW5ryvqW/9XQlR+ZR5/wC8ptuSuldFRjzFiOf95+8kq3v/AHdUPL8ypI5P3nl04WSu3oRKPKWt9WI/uVU8zy5KkjkqXeUrJm0YcxP5nlyVbkkqjJ/00p/mfJSlFR6EcmvN0Lafu/8AlpUn+sjqhU8ckklWly7BL3di+n+rojk8uT/pnUH+rqSsvtczNb2jdk3/ACzqSN6g31JJJ+7oj7xHM6mxbjkp9VI/uVJ5nl0pU3EUZcpb8zzKk8yqkc9P8yo97fobU7812y3/AKyhKgj+5UlRLU3uW6KjjkpaPs2M+a0rMm8ykpvmUUR90OXsTxx1In+sqv5nl1PHU8pfMiw8nlpRHJ+7qCToKI+hqPQRbjk+Wk31B5lSeZ5lbU4sNR6VYqvvqT56fKibPuWI46jplJHJ+8qZRhEOXsWEfzKn8z93VbjdTvMrFq4RXKT+Z5lSRyfvKrxyVJ5lXGCjsXJ8pPHJvp9QxyUeZUSfLK7M+YmopsdFVp2NLk/mUeZ+8qKl31fKgT5dyeSiN6Z5lPjqI+6TPXYfUqVFS+ZVSVzSOpOlD0yOSjfUC+1cfUnmU3ijin7vYG7lmOSjfVepfMrPlFFOPUn/AI/3dHmfvKgjnp++iOhoS0kcdQRyfvKnjqvQkmpvmbKZRWbXNuTFuJMj+ZSU3+Gj/V1MYqMroqWo6im0+OtPQmMXESilkkpkf36NtypaD/Mo8ykorTnHcbJUcklSSVXeptfYL23GSSbKjkqSq709RDHqKpXqCSgV0V3qo/8ArKnf/WVBJTmn0Lk+Ygnk/d1k30lW7qT95WZdSU4py6mUvdM26/d1jTx+ZJWlfSVmT/u62przFzIzZ4/Lqp5n7yp7qSoa65e9DQY6pLGPz5Kgq/o8fnTyVnP4PdFG0ugT6bHJWzY/u7GPy/8AlnUEiSVb02TZY/8AbSuD2nma3Psb4ZQfZfh74Tg/556Taf8AoiOusjrmvh/H5HgvQo/+edjB/wCi66JKziuYofUtRUyixNh9ElMp8klPlKCjzKY9FZ8pA+jzKZRvplj/ADKPMpm+jfVXAKN9FRUwJd9FRUvmVMnygJRTPMp9YkFiOs3Uv+QtJ/1zjq+lZl9/yEn/AOuaVrH3iyfzKZJJUfmUSSVYBJJ5lfL37U37TOm/Bm4Wx0vbfeNJE8+CFo/3Fr9/ZO/vvT/V11n7Wn7RFv8AAjwOINOnWTxhq6PDYQq8ZNoNmPtD1+V2t6vc61rF7qV7M9zf3073VzM38cjvvd/xNfaZLlEKkHisT8PRdWcNetZcq3NHxp40134geJLvxB4k1WfWNYujmS6uDkn/AOJrE/1lRVKtfoUWpcvIrJHmvuwamMtK1J9+trLl5ZIEFNZqfNHtjqnI1eY4vpI0j7wm+mFs0rUlStTdDNuOaWkorFJLYoBzQeKKSspVFFcvUYNQpo3UtT1umAvFLxTM07NdEJiHq1BxUXSl3Vca6Ss0HKSeZTd1N3ZoqPadmFhdxo3GlxtWkUZNVefMo31YEgp6SVBupzGuj29tieW5PuU0bqhU0nLVXto8vK1qTyku+nedVfbTvu0e1nJ3kx8qLP2o1FJKZDk1Duo60/rF9gUUgZqcrVHRXOqji7lEobdSg7aiWnbq1jWvHmktRWLG7dQ0m1qg8w0m6nKqkTylr7Y9SxX7p/FVFaVuK641m483Ql04vSxffVJGbl81p6fdC45fiueRqsQ3Hkin7RVX7+xhUoq1o6M6poYrjoNlQtppU4SsmLVH/v1Yivmdvv0qmX4TE/FHUwjPEU3fmuhs9rJHJVSf7lbkM3nt9zdUkmmwTJwmyvFxGRrak9TojmXK7VEcpH+8kqeSP5Kvz6O9rJ5n/LOql1XzWIwc8PLlktT1adaFSPMtipB9+p5/3dQR/fqxPJ+7ryKjenma2Iv4K/Sr4EWv2XwHoUf/ADztI6/NqCPz7qCP/npJ5dfpv8Mo47Hwrpsf/TOvFzK0pwgyoHdSVjaj/rK1vM8xKwtS/wBfWUfdFYqSf6wVz3jyTy/Ct/8A9NE8utyuU+I08kHh/wDdp/rJPL8utIaSsyZSsSeFYPI0qCP/AKZ1tPVDR49ljB/1zq9JJUSvKVosqwzzPMqv5j0tEmytDPmEkkqpJJ+8qeqr/wCsqGm+ocoTyVX/AOulSSSVFWkXy7j9BslMpJKPMpDK7/6ymeXUklV/Mq5e8ZyqKO4yT95VeSTy5KkkqOST93RGFjPUZJUFElJJJ+7reN49S1zvbQZJJUckf7yiST95VT/WSU2nLYy9/qElQSfu5KfJP5dVHkqoxqSC67BJ/rPMpk8nmU6oZ/3dTL92aX7EcknmVUkkqTzKjn/0j/rnW2vJZvUz9pz9BnmVUnkkjqe4qCs6cXU06mNWMX8LsR+ZUHmPU8kkdRyU+VS+J2KinHS92fI9FNpd1epGaZ1WFp6xlhkUytCzjR1TPWtJO8boqKu7FMR+tDQla1/sMf8Ayzokh8uspVejjqdHsUtzEqa3ba1Pnt9rVWyVatFNGEqcoOzLnlxyVC0e1fv5qLJozTtrcOZdiVJTVqGRKoL1qxbrk1Q4ysascdWI3qpDH5lW0jrGzW71OyiuaV2Xo3jjqxHJVBKnj/eR1g05bM9O/Ytp/rP3lEdR1Yhqkny8rJ5nP4SSOrccdRp/q6kSTzI6xnan8T0Om65ea2pHJU9j9+mSR0Qb/wDlnW9+eNlojn5ve5nqdDHPJax+ZHVS41KfzP8AWVH9q/d1A7+ZW8U18LufKZxGXMpR6j5LqSSP/WUyP/WGo446njtY/Mreo2t1ofP0qLqy5kSeZ5lSRyeXJ5dT/JHH+8qCSeP/AJ6fvK4Lz+zsd8cLF9dSfzJKkjuKqef/ANc/yp/n+ZTeFaVxSpSi99C3JJ5klSQSVUR/MqffW0U1sVKcYljzP+edPjqD/lnR5/mfu6zlFRjeW4pSt9kt+Z5kn/TSpI5JKqeZT4/9WazV4+QcvMW45KsRz/vKoeX+7qSOT93/ANNKmNpbMzg0ty95kkdW45/MrC+1yVfgn/d+ZW8aEpRujrjNPbQ1vMqffVCCfzKsf8tK4qlN85vKVi3HVv8A1n7uqEclW45KmpB9S7x+0yx/c8yn/wCsqCOTzP3lPjkqI03Ex5CxHT45PMqvS+Z+7rWdNcvMzS3kT76kjjqCOOpPPrKPKo2RSi47aFrzKsf6uqEc9HmeZJSjGD+IzfMt1cv+Z5lPj/d1Vjk/7Z0+OT93/wBc6cLQldK5cW18KLccm+npVWOSrcclTdRldq7KpzfNZk8f3Kktf3dVJJKn86lVlc0lHmLf+sjqTf8A89KoRz/vKnjkrKUeb4SJqPcsRyVNVX95JUnmeXJRGN+ppFcpPHJU/mfJVSOSpI5P3lXddyJLmLccdSef+7qvBJUnmfvK5pyT2LvpYnqSP7lQPT45KQX96xYjkqfzKqR1P/BTsVL3iSOpKr1JGlL2bLjePQnjqTfUFOofvbC5iXfS1F5nl1J5nmVXKzL2i5rMkjkp8f7uo/MqTzPM/wBZUKbe2h03JI56sRyVQ/jp8cn7yq076mUfdLHmeZJSUyP95JT60ioy3LhckjkqT/WUyispe6Xzpbki9Kn3JUC9KFesiB/+repKj/1lSJWkfe3GTx1JH/00qmn+sqx5lZj5iSnpTI6PMpy93YvTuOpf9ZR/rKEq6fmZxjyk9SR1DTvMqpyLH0UnmCn8VjqK4+ioqWOiXu7jJ0/1lPpnmUeZUS92Nxc8QqxHJVepI6qL5lcLk9SeZUHmU9Kn1CxLSeZUdD1YyWnx1H5n7ujzKXK+W4En+so8yo/MojrOMbRuC93cmopvmURvVSjzAFH8VHmb6ZT06iuJJUfmeZRvqP8AjqhjJKjkpzY4pnFTFcuwouw2SSqkknz1ZdxHVOWT95VC+1cryfvKqSVfkqhJJ5lXzFPQqT1mXVac9ZN1JQ4uQGbdScVi3da11JWLd1rGnKJjKSRm3f7ySo45JKknjqP+CuyMnHRju97aEkclXvCsck+pSJ/0zrNT/V1reAJPtXiqCD/npWFRe7zpaCpq89DpZ7Hy4/8AV1XjtfMt5469Dn8PyXEH+rrlv7N8i6njePy5PLry6c4z3OqcEfVnguTz/Cuiyf8APSxgk/8AIcdbtc/4H/5FHRf+en2SP/0XXQVUVyqxmS76Kiop2LJaKiopk3JaioopXKCiiimQFFL5lJTsWFFFM8ykTck8yo5Kgk/1ho8ySSs9e5RPRUfmUeZS5tbE2LiVkTyJJqM9acP36xXk/wCJtd/79VTKl7pZri/jB8UrD4OfD/WPFd+kcz2sDi0spJNgup/4Erso4/Mk/d1+Zn7e3xotfib8U7bQtHuvO0PwxE9o7KPknvfMczyf+gJ+Fe/kuA+vYpKXwR3OerUVON4niHxJ+IOt/FLxdfeJ/EN291qV6+ck/wCpT+CNP9hK4ydmbrVhZ81N5G+v1yryP4VZduh4ylyu8iulS1JsSmVzy5ok3uN3ZapWi2rSxLRL8zV0UvejzMm+tkUbxqqLVqaL5qYsLtXHVptuyTudcWlEGi+Wo9tWyu2qkh+ar5fZ+4xxdyJqSg0VwyVzYKMVL5JHejFXTpqYrjNtNp9JtNEooY3pR1pyqaDilyO13sAhWmk0tGKzl73wgFJSN1pVrn5VJ2KANTs0lKtbwb5rXEJRSk03Gap+Qhy09XK9KhDbakVs1VOcXp1BoXfTWbNITTloj7zsgG0q0zcadvrKEo9xi7qNtNZqA1PnV7MBaUU1aGapU1FXYD+DTuFpsdD9a7YytDn6k9bBuxRuzTaVayjUb9Bj1xSs4prDbSKc10+0lH3NmTbqOVs1at5TVdVq3HKldUFKOrM57GrY3G1q3rSVJv465SO421Ytbh5ZU+evVpV4WvY8mtQ5tTsf3fl1UvdDjvU/uPRbqwrWh+dK9lU6OIjZxTR5SnKHwyPOrvTZ7W48t02VXu69QutNgvo/3iVxOuaHJa+ZInzpX59nGRulJ1aOyPoMLmMJ/u5blDw/H5/iDTY/+m8f/oyv1G8K2McemwR/8846/M/4bWv2rx5oUcn/AD9x1+nfh/8A48Y/+udfk2YRcakD34vmNOT/AFYrCvfvVsvJWFfSeZJWPKFin5n7yuQ+JU/7jSYP+el3XWf6uSuI8cSef4g0KP8A55ySSVtTim7MVl2OksY/LgjqSSo4P3kdLWElyysPVboTzKgkqSSSo5JNlVe25Mk5EcklMkko8zzJKryU7oeoeZ+8pn+rokjplVG0uoCSVB5lElFURcrySUx6nk+5VSSpjUcpctiZWjuRySR02knqCeT93+7roUXHYz5+4SVXkm8upI6jmoa6LcfNfVbEEkn7yo/M2UTx/u6jkk/eUcsaej3M6kmR0yiSoJJK3pyXNy9BUouMNdQkkqo70+SoPMrarCP2NUTpt1I5JPM/d0SSfJRJ5dQSSVj7PS6HpzcqepBJP5lHmeZHRJ+8/wDjdV5PuVpKk5R5loEVyjPMo/1lElRySeXXTGNOWstjS19E9T5PIptLmjFdE48/wmwi1PDIYjxUOKcprSnZe7ILtO6Ny1n8yOrccfmVi2N0Y/k7Vr2s/mVhUi1vqelQmp6MjnsfMSs2TTpP7ldDH+8o8vy6hPl2OidFTOb/ALNl/u09tNZa6HzI6I4I5KqNSSI+rU3scpJC8fWmqWWulutNjrJurXyJK1jVjKVmclTDunsFrJ+8rWjj3x1jRyeXWlZSPsqp8vLzW1NaFy/5f7uiCTy5KI5Kf/rKwjJOV+h2xTlsyT+OpPLffT7WPzP3lT/+jKcZQlPQv2MVuLBI/wDy0q3HWZP5lWLGStOSFSPKO+vKi/JVfzJI5Kk/eSU/ya5qkeSKSexbgpbEkcnmR1PBJHP+7/5aVB/q6qXV1/ZsfmT/APLSojUqRduhw4imlTvPY2o4446jnvo4I/MkeuZm8RSn/VjFU3upLyT95Xp0060bTPlJ1Ix+BGje67LcO+zhKzN8sz7y++rEdhvb+5WnDZpbLzXoOgqcNDz5Vb9bmfDDc7eklXrLdC/zPVe81iKyX7+9/wC7WE/iSVW+RF20QotS5pvQSp1KyvA9Ejnjq3/rK81t/F91HKpZU2Cu7069S6tUnT7j1zYrDOOtPY6FGVP+IjS/gpkdEcn7uoq8iPNH3KppzKXw6liP/rpVjzPkqpUccn7z95XZTl7SXL0I9paNmW/PrOn8SWUFz5PnL53risnXNSuJD9msIXeVv4tnKVy8fhHWbq43C0kP993rT6sua7ehnT9+XNzWOyvtc8uT93JV7Q/EHmSeXJXLWPg/UDNsnX7LEnr9+up0fQ47X/lp/wADrppWpRtFDqz5t9WdZY3Xn1rQR1zcd19lk/dyVrWOpefXmYiMZSvYunJbS3NL+Op46gjnjo31515dju5eTYn/AIqk8z93VSOSpI6IprfYFUc9y9BHUklRwfvKkjjoqS7aI107BHJ5dHmUlSfx1zVH2IlNR+IWOn76Z5n7yiST95T5vcLj7xP5lSRyR+XVf+CjfURk5ehP8N3Zbjk/6aVY8zy6zfM/eeXVqP8A1Zrr9ko++9S4OPNzXLaSVY8/93+7rMjkere/93sqZyhzWaNb3ndbFuOSP/tpUnn+XVDzPMqSP93UyjCnK9PUy/ibGlHP+7pd9U/PqT7R+7qJKT2VglzqXKi/HJH5dEcnmSVUjnqTzPL/AOWlTFcxSfPuW/MqeCSqH7yp45Kz9mua3QrmVPdFurEf+rFUI5Knjei3JKwc8Z7liOT95Vuq8clSeZWbkpbmnI+hPUnmVU/1klT76r0HYkjkqSq6VYk+5USUolh5lOpsdSf8s6dzPlfYelPqCOpad12NU7D45KSSmJS0rGN11JrepPM/eVXjqTzPLpS90qMlEsRyeZSUyOSjzKcotmunYngkpai31LUSimZcy7D4/uVJH+8qP/WUf6uqNbk/7urHmVU8yj/V0Gc1fYt/6yiSo/Mojk8yiXui5Sx5lHmUUVMXc0uPSpahpUrO4SXMT0U2neZWw7EkdH+sqPzKfWdTTcZKlFEclH8dRYNB9FFFOK5QWpJHUkcnlyVH5nyUlOXvE2fcsSSeZHQlMjjpP46iUrfCUtCSijfQlOMpSFck/wBZS0UVMry66D5n1E8yjzKjo8z95SpyYEtFRb6Eq5K5MlzDJKPLp9QeZ5dOxdgd/MqB6fJJvpkn+qqpR5Sbkcn+rFVJJKsVXes9YiuQSeZVSerdxJVCaulvm3KKs37uOsyar1xHVGapi1Hdk2Mm6/efvKxbr95J5dbV9WLJH+88yuylpr0MIxctzNupKqSSVPP+8kqpJJ/yzrb2XO7Najk1Etx1reA/3fjTRY445J557uOCNI/45JP3dYXmeXHVvwrPJa+JrC78ySOSCeOeOT+5JHJ+7rnrc0aVuhUXyn2FY+EdSj/dz2kkdZusfDKfUrqOT7JJHH/y0kj/AIK56P4m+Ib6T/kNX0cf/POSSOuk8M+MNSu7qSO7v554/Lkf95JXlwocmz0O+T5j0bw5B9h0m0tPM8yOCCOPzK1qydHn+1WME/8Az0j8ytKOStZLldmc9iSn0yiouFh9M8yjzKP4qfqFyTzKPMqOmUBYmoplR+Z+8oC5JRRUfmUCJKjko8ymSSUAJvpnmU2ilcdh3mVJHJ+8qGnR0WC5fgk8yue8zffXf/XSStmCuT1XWLDw7Y61rV/J5em6bHPfTyf3I4/3klKmm3ZBc8h/bG+Nx+D3wnuLGwdzr/iSOTT7Z4ZzG9rG6P5k/Hr0/GvyvMXlDav3a9M/aA+LF58bvidqXimcyJZt/o2nWsxXfa2iOxjj/Df/AOPV5v8AZ91fs2By9Zdg4xt77+I8WpVVSTa2I4aseZTVVV6UOx28V100YP3mO/gplNaSomaunRxu3cpRZYaSmq2aq+bUqSmsYVPIfJZFhl3VDT926o91dXMqkuZiSYpTdVeT71XD8tV5m8ys5yg3ZFxZUambqs7Fp/2euSrScLcr3N+ZLcqfM1SiB9uavxWtEtq/8Nbxwto8yZk6qvYy2p6NUzWr0LandWHI3K6NOaNiJlpu2tD7LuanLZ7a39k5ke1SM3yT6Uzaa3o7f5PnSojDUywkpR5oslV0Y3lk0/yT6VqLa7mq3/Ze+HfWccPGOi3FLEJbnO7aQ8VeuLQq3FVHjZa56uG5NbanTGSkRLTqXbSVzxi47lhSU7b70mKlwaHcRRmlJ20qmhhVxjaHu7iEpOKWmnrWUlyjF20baOaNxFL3FugFPy0371Ooqn73oAu00bvWnUxu1dM48kbxJQ7dRtopafqA3dRtpKctTH3pWYDlbFKTuptOBx3rtjNtWexIokb1rX05vmrFq/YtW+Hn73LfQwrRvE7W1+5V5W+7WPps37n56urfJHX12HnH2ep8rUg+Zl0zOpqWN0ZdjpkVRjvN1TLGa0nr8RjrF32Nz4WeGIJPipoTpGn2Xz9//bSvvzQ4/wDQY6/PjS9Vk0i8gu7d/LuIfuPXs3hn9qrWtPtY7S70m1v3ST/X+e8bun/fFfmmecMzxlX2+FSXkfR4LMlGNqx9WXX7uOuen/eSV5fZ/ta+G5P3d/Y32mySf8tNnnx/+Q//AI3Xb6P4msPE1jHd6bdwXcEn/LSOSvhsXk+NwML14WXdar8D3aeIp1v4buaUlcJ4j/f+MbBP+ecddvHJXAz/AL/x/f8A/TDy/wD0XXjxfLG5rdbdTrE/1dJvpY5KR6xgpE8z6jKjkkpKipSjzFifwVBT/MpklUZBI9V3qSSSo3/1dXyxKlJRGSVG7+XR5nmR1B5n7ytOlhRnzBJJVeSiR6ZJJ5dWKpdbsr/8tP3lLJSP/rKJJKV3OXK2ZxakMk/6Z1Xknqx/q46oT/8APStPZ+YRi31I5P8AV1BUkknyVXjpyhOUbMyirhPOnmVBJH/00qSSP955lQT/ALutaXK9JPU0qO25HTKSSo3SSt9KcuVGXIxlV5JPLp9VZJK5+dfMSi4vmb1DzKgkp9QSeZXTyckNHqK76iVC8nl1J5lR3FEYxno9yqe13ufK/LGgqRTlbac1Y8yu2pdLzO6MU9yt5ZpuMVaqOSEpVJJ7oUotENWIbpx8pc7ar5NJTuuhKbjsa8d1U/2rzI6yYZtp+fkVfgnSspx15pI7qda5bgq/HJsrM30z7XJvrOMlI3hNwlzI2oJPM/1lV57XzKqR3Xl1P/aUcdR7Go5c0Ni5VL/EypJY1Ja+ZH+7ouNSjeP93VSO6rXknD4jCM4RldG1H+7qTzI6zI7r93Ukc/mUoxg90bRqqWxrR30cdTx3HmSeZWTB5fercH/TOspRcZWUTeMnLd6GnvqOOPy5KI4/3dPjj8yrhP2cbN6nQ4ylp1L8E/7up4/nqpHB5dWaSmpSva52U9I2qE0kdYWufv4PL/uVpSX3/TSqkH7+T/pnV06Xv+8jxMzrxVOXK9jAtrd2+9Wnb2qRvzVm9eCFHcbEKfx1yl9rj3En7r5Fr6B0VyRa0sfDRhKtqjeutUitcBnzsrCvvEVxdfKh2JWUzbjTfWq+I9Cnhox1eo5m3UlPht3mbai7jW1ZeH/4pv8Avms/e7mlSrCktWZlnZPdN8qV3PhuF7OxKPVOG1ECfJ8q1esX8tjWFacmrHlTxLqSSWxtxyeZUn/TOqkE9Sb68qo30OqnJdQ8z93/AKvy6PPSP95JJH5dUdQ1A2dq7u+xErgLzVZtQly7/L/dq6dJb3IVP2j0R6tb+NND0/5A/wA//TOOpLP4i2V3ex2trFO7yV5NH8q1u+CYZLrXDMn3IU2vXppRgrpai9nGnea6Hq8n7+PzKgntfMj/AHf7up7T/VpUkkNcFSU/s6DiuaF1uYs8fl/u6gjuvst3/rK1r6OPy65fW/Phh3ojv/uVdL3fj3MKjtsdX/aX7upINSknj/d1y+iajJep5bwTpJ/tpW1awyeZ/q6VVU5Pmvoa80jZj1Ly5P3laUF1HPHWV5HmR/vI6ryWM8H7yD93XBKlzfCac3J0OoR6t+ZXN2t1PHH+8q9BdSSVySw81q3odHPGpHmW5vR/vKJKyPOk9asSXXlx0Tprd7Fa9y35lG/zKqRyVP5myOsox/lRcW10LHmUR/vKr+ZUnmRx/wDbSiLcVZ7BFcxPH/rPMqx5lUPM8ypPM/d1pG8o2THKEow2L0FHn+XJVDzqZJP5lc0F7TY25vcNL7UlSfbqyf8AlnU8km+tqdKT2iZRtE0/P8z/AJaVPHJWTHJ5cdX4P3ldHs4vRPU3epejnjqx5lVI/wB5R5flyVNajGMeZbkxaXwovRyVYR/MqhHVuCuOMWo3uTp1RPHJ+8qxHUFT+X+7rKotbotRcY3aJ4/9XUm+q8fyVYSpjC24+dE/mfvKI/8AWf6v93R/rI6kkpSdzWMHHqP8z/nnUkf7yqtTJQ3zRu2LmJPMqT/WR0yk8ypjoHMTx0z/AFdEcnl0eZVW965dyffS1F/rKPLpcyMPQseX+7p8f7yOoad5lCV3YdtLssfu46Kj8ySSpP3lO5tyoKk/5Z1H/q6elZcrM4+6SR1J/rKg8z95U/l0723NOdBT6ZUn+rrX1HLQkSp4/LqBKKwl7wuYn8z95R5lQVP5dbRfLGw5aEnmU6meZ5dL5lZSafQselSR1HHJRvpxi2JtMnqSTvUHmU/zKmoTvsSR/u46kqOOpP8AV1Nr/COK5Qp9MShKr/CUPqSP7lR+ZRTuuW1gLH7ySn/wVB/q6kjkrCz7g9Ao/wBXJR/rKe9aXAP9ZRvojjo8v95TAHpnl/vKsVF5nlyUrAGyijfR/rKLE27DKrv2q3VSTtTK+zcZ/HUbv5dT1BJHQTFWIJKjepJKg8yiXvBBFeaoJKnmqpWnKiird9KyJ607voKzJ6mMeYykrmTdfu6yZq1p6ybr95HXXGrZWZRmz1Q8yOSSr8kf7yqEkf8ArK6Y11HRvUzlDmDfHUmjyf8AE1tP+u8dCf6un6Ps/ti08v8A56VzVYOrTutETe0rSPZ9Nj8yuw8M/u76TzP+eElcto/7yuw0OPy55JP+mEn/AKLrh5ZHbOSex6/4c/5Atp/uR1rR1k6PJ/xLYP8ArnV/zKmWpmP31J5nmVBR/q6AJ/M8ujzKgqTzPMqwHyfvKjpY5Kj8ygdx++imUeZSeoh++mUeZTaLgOqOSjzKj8yploBNUNLJJUe+pt3Hcs0VXp1IouQV8Q/t2fGyfR9Luvh9pN2YLy9eOTUfL+/9leN/3H/A/wB3X21BPBawTz3c8dpaQRyTzzyf6tI4/wDWSV+P/wAdviC3xa+LvivxQyqlvdXskNnGicC1Q7IMfgBX1/DWD+t4j2s1dRODF1vZxcerOA/1i1UZPmq5HDtqlcS7Wr9UqWitUeLDV2QjW+ymNxUfnFqha421yU5wcbX1OlRZI0u2hG3VDEvmtT9u2sI+9qtjSyWg+SmL/s012+XpRHJ/eXNVGClsFtB6S/wVYhX93TUi3Uu7bXaouMbSM3rogb94tLDBtqGNt1WI321i+XsKV0rIeyLUW/5vkqWNPOq3Dp3zV6FKnzKyRi5qG5FBF/fp8sqbtlPl+RaqS/NVzpumZr3ndj0VWah13VDG22p1+Xis5e6tdzR3TJFjRVpn/oFPbe9RbP7lVHyM15k5quW+aj5lqVbX+9Wq+HlHpHcWJcVPNeYX/ZqCZdv3KhkkesKkVF3e5PLzu4Om6qlxF8tTM21qhlfctZyjCR0xuigRUUlXvs+7oarOu2vKxFFuNkdsZIhWnUKtKWFedGNoe8aCY20bs0U1utOT5dtgFamrQaBXJKV5lDt1LUe6lFV7buKw7bRupM0feq+ZbLcBytStRnbSbt1b35Vyt3YgoooqhBSrSUu2lBPm5gDJo5pdtG6tbNbsAHzVo2P3azzVuGXbW8F71lqzGpdxN63mqZdzN975KybeQM1XmmVU+Rq+pp/DY8mcLPQ14ryJasLfK9c/H8y1dji3KldlKcr2krI4p0Yrct3WpOn3Kz5L+Zm+/U00aRrWTeXiR/cqq8ut9DajTjLRI0ZL544fnel8L+ONZ8E6sL7RL6a1k373i3/uZvZ071zF1fNJ1NVPOzXzuYY2jJexeqPVo4fk1P0J+FPxSsfiP4dS9gj8i7j/AHc8D/wSVFpU/n+LtWk/6aSR/wDfuvjr4M/EiT4deMIL2UNJp0+ILuMZ+5/f+qda+uvAF9HrEl3qUf8Aq55JJI6/JMyw0cPN1KekGd9Ob5rS3O78z93/ANNKjkqT+Cq/7yvDjUS2Ot6b6jHqOSpH/wBZUcklFxR97oMqOSpP4aJPnouGhX30yST93T5JPLpkk3mU79jKxUqOT93JUkkn7ySq/mVuovqRGSiSf6z/AKZ1UnqTzKr+Z5klZ35CqlpxuLUNTVTn+/VRjy6vcI8sY83QWf8A6Z1XkoqOST93XXTcYb6i5xkklV5JKsP/AKuq8n3KuPPV95PTsDjfoQb6jk/eVJPJUFJRXXcJNRIJJPLkqPzP3dPeoJKz5feuZSdiOSSqkn36tySVBJJ5knmVfL9tCn5kdMkp8kkdVJJ/MkqIyk5WkKM3HcWoaKdBJ/z0/d16PI/shPlqbs+Xfszfwc1HtY/wVKt2RUsd0vcV02k/g1R3Ll6kELMj/NVn/WUTL5y1UdJIeuRTs1GzRp8BKsWWxTJrfb8y8rSRyFWzVqOfzKhxkhLlluUA1OWZozxVyXTww3xniqz2kkfUVPPKSsS4OLuTrfluoqfzqz/s0npSfMv8X60qcVe5bnNblqa6Q9qhaZW6CmrC8nQVN/Z7etElaVyfemQea23FKs0i9DirH9nv61Yt9NPU1rp3KjSnIrxxzz1egtZ46vWsccFX44/M/wCWdc06r5rHdSoRfxFDy6uQRyVajtfM/gqxHAiVpOpf4TuhQa+JWHwR+XVvzPLjqCOeOOql1qUcdcMX7bc7ZVoUo819TSkukjj/ANZWTfar/wAs46yZ9SrNkvDO+zo1d9LDyWx4lbFaXZrfbj5n366HTfuR1zel2fltveugtZI4/wB3/wAtK9anQ9nHme58piMS60uXoZ3iq2/0cN/drkGr0nULZLy2dR/GlcTb6LPNMyuuxV6s1RGpadlqTh5qlBxm9jNVS1a1job3Hzv8iVt2em20P8Hz1c8tK6dJdzKpi3LSGhBaWEVqnyJT9u6pdtQtItQ+SJ5l3J3ZLIv8FG5YdlJ8lVLidB/FT5Vy8yCMW3obNrdeZV/+DzK5eyuvKuM1tXWpeZBXnVKPtJ88Dsj7q1Zh64s+pS7I/uVUh8It5e95627ePzJ/uf8ATOr/APq5IP8AnnJJ5clehTiqUNtS1XcXypnOroKSLs8yt3w3psWlajNHCc4RN9NtY/3kkkn/AD0rS0eP95PPJ/y0kq6dOnyuUuoRlzR5WzoYJP8A95UGseII9Kj/AHn7yeT7iVX+1eXXFxTvqGrTTzP5hV+a8uVKo/Ql3R1sF1JJ+8nkq3Y65BHJXKahqiKnD7K5241RPO/dTV3QofbkFPmlsj2OPVY55P8AWVftZI5JK8WsddnhfIkrfsfGE8Ef7z95XNPBuUr9C3dHqMklR+Z5klc3o/jGC+8uOSTy5K6SOeudUZ0dUtDeMeZXZJDs8yp/M8iqP2ry5KJ5PM/1dZTV1ruX6Gra3Uf/AC0qxJIk9YUcmyOp9NuvMkrSpBU48zjqKNS27ua0EEcdE8nl1J5fmf6v93R5cez95XBy/bludkff2K8c1SST+ZR9lqSCxjkqvYwMdYS5U9A+1eZHVR7uTzKnn02eD/V/vKqXX7iPzKKdFGdSa5bxJI99Xo4ZJI656x1jzJK3rW68ytZU3GP7vYyp8vcf9kkqxHHJHVuB/Mjp1Yx9+PKjohF9ylvkjkq9az0fZfM/eR0z7LJ/yzrXlcIe6iuV/M1o/wB5T/8AlpVGB/Lkq3HP5clT7NVI3b1No+7uTxx1JHR5fmU+ODy6LU9orUUfiumTVZgkqpHJU8cnl159VOOy0OqXMo3L8dSbKrwSeZViP95XHzfzCuw/1dTxx/36jjqWlF8ouXuTeX5dS1X8z93UkFHKx8yvYkopPM/5Z0tXzL5jsPo8ujzKKnQcfeH+XUm+o46lqDXz6CRyeZJT6X/V0fx0ATxx0/ZTPMorWC7EX7D9lSRx/u6ZH+8p8dFV2K5SOrFQfx0+OoiuYehYjjo8uo43o/iqvdJlLlH1LUf+rpKUWkrEx94k/wCudSRyURx0fvKqS5TW5J5dSUR0VjGKkIfsqWoaWP8A1gqZScdgJad5dNp1L1LH0UUsn+rFTJ8uwBHUj1FUtXGXKBJ/BSUkeKfxJUkp2Hf6ySkplPqeZFLUWP79T+Z5dQeX+8qx5FV1uAlCf9NKJJPkooAP9ZUtRf6upa1ICq38dSSSfvKKIOK3CWgySq8lSf6ykrOZZC/+sqOSrM2Kgkxg0o+6TdlaSoJKnk/dioJK1j7w7lR6ryfJViqc/wC8p8yGVLis2etK4rNnojJIx5dbmTPWbd1szx1jXdbRtLZGetrGTcVQkj/1lX546qSQVtysmpCXRgn+rp+j/wDIVgk/uSVB5flxyVb0f/j6jolNuPL0HTT+0ex+H567fw7J5l1JH5n/ACwkkrzbw/NXfeGf+Pq4/wCvSSvPpSbly7HfKy6Hs+hv/wASew/64R/+i606zND/AOQPY/8AXCP/ANF1oVP2rsysOo8ym0VUo2GOoptFSA7zKbRRRHQB1NoqHzKVwJqho8yiSplqASU2k/1dRUDsSvUfmUlNko5RD/M8ykpvmVHdX0GlWN3f3ckcFpaQSTzySSeXsjjj8ySko3diovlR8r/t9fHJ/DPh2D4aaVPPBqWtwJd6rPGn7v7C/mfuP995EzX56yXTxs2+u1+L3xCuvij8QvEHim9kk36pdPJBDJ/ywg3/ALmP8ErgpeK/ZsBh1l2GhQS977R4FSftptsuG82pWbNLuajdmo2j216lXEy9nohwgosGmquzU+Zqg4rwOZ+95nVGOhYhepkbZVaFqso26u7D3jG6M5DvN3VKsm6oGba1G7dXRGq4ysZ8pYaTb92mKu6khV2arDLtFdtkQ/d0GBatwwfx1U3e9WLfe1GnVGU72LcdXYZEWOqE8HlJv3VXS4rvhU9nscrh7RXRbuDlXrPZt3FPmm837lVok2msalR1HzHRTjyrUdEtXvkqvFT/ADKyvrYJe8ydW3U+o/4aljRmroi11MGR7PmoabbUv8JrNvW+anOM4++tSoLmdiWS4qFZN9UpWqWL5VrgddydmtTr9moosu1QTLmpPNoVt1XKV1yReoleJWO9KhlPzVek8t+1U5VQdDXPKnOMbyN4u5WbrSsKd0pG+avO9no+7N7iHFMNPNIa5qkblIZtpc0lOWueC7FBxRxSUh7VTkl0EOK5oHy0bqN1X7t+ZbgIWzSrS0VcYtO7YhNpo5p26mlqJRUdmAq9qcaZupauE1awMVjSKaa1KtTzuUw6C1NbnLioiafH8tdNO/NaLJlsae7atG6qHms1OiZmavTjU5ZXucvszZtJK1Y5vKrFtXovL3y+j160a3LHnk9DgnS55WRPqWplVwOtc3cXDM3WnzTtM25utVWXmvms0zKpWjaD0PUoUY00BkzTd3vRSH7wr5CU5vdnaiVea+vf2U/F6a94YvNInk/0zTpMqvrHJ/8AZ18fq2K9T/Z48ZHwt8S9Pimcraap/oEn/A2Gz/x/FYYqPt6LT6GM49T7lj+5QklQRyVJJJ+7r5aMEzcjkk8ySo5KSm1U1F/Cay90PM8uOo5JPMjo8yoJKr3OWwvQJI6pz1Y8/wAuSq89Oi7bmU4oZJJ5lQeX5dPk/eR/9NKI5P8AlnJR6EaT+Eg3/wDPSo5qkeqk++lL3djPlfLaJJJ+8jqpJJT45KgkrqhFWs3oNbcj3DzKjk/d1JUckkfmfvI/MrScU4qSeiNLIgkqvUm//pn+7qCSTy5K5tI/Axc7W5HPUElSPJUclaRklKxn67kckdQSSVJ5nl1Xkj8ySqlyL4dS5PlhqMkkqpJVuT/V1T/5aUQT5bmU01uLx/z0qDzKe9QeZ5klaRjyrmZjZqfukckn7yiT95RJHHJRJ+7rodR1Y2RFp81rny75NL5ZHercfyNTpP31ejya2Wh2c7uUV3Kflak3N/earb2uOlV2jIrCdOX2WWpJkG6nK2Oad5NL5Z9az95fEaXRKt438XNKZ1b+I1W2kUbTWkZXKUmi+jx0bI6oYpwY+tO0Zl+0NS3jqeOf955dYyzMvQ077U/rT9mo7u5p7Z9NDpo5I6kjkSubXUH9KX+1JvWojBpXZu8RFbHRySRx0/7V5dct9tl9ai+1SetZSw/LuL60+x10mueXHVWfX65v7Q/rThIT/CPyrejRjt1M5Ymb6mt/aUk9LNMkK73fNZZmcnrt+lEcHmf7VDoSjK3QwlWUdgkuHuJM9K07DT9vztUNrZ4bc1aNu2xa9WjyxVmeXXquWiL1vsSr9rVGP7wq/HJVyj7R8z2PLT1NaP8AeR1Quv3Enl1btZ6XVlQGuTljCfmZT5rXZmeWyNzTpJdlMjkpsjV38nNHnTsjn3eou7dTZV2pUZuKrTXnmx7acJW33NIwk2JNdbaz7i63VVmunqubr5awqzsr3PVp0LamhHK26tWxb7RJiuehuN1dBpNxDBH5szoif3np05xSa7mVeHKtjqbG1/1f7upLqOOODzKxbj4jW2lsi2VrHef33uB1rltS8WanqkJglm2Q+c0/lxKEG89+KztyO5FLD1aiu9DrNR1y10+3kZh/rPuJWBceNJFh8u2TZ/ttXKsxY5PJpKwdXllc9GnhIx3dzSuPEF/dH95cufoarLeSr92Vh/wKq1KMU6Vactzp5IrRIsyXEs33nZqhBpmTRk1vKqpFKNiZbhl+61aNvrDxjbKnnCselDU6dVr4iJU4y3N1dWUSI8W5HrufDPjxW2QXb/N/z0ryzdU9rukuIkQfPuqpSi9mYOio6x0PoL7VHP5clRx3Xmf8tK840nWrrTX8mYv5ddNHfSTx1h9WcY86d0cCd5XkzrPM/cVkx+IPsN1+8/1dR6VqvmRyRyVVj037VfeX/wAs65+WpKfLNaGa080d3a6t58P7utKD95/rP9ZWFYweTHH5dbtvJHHH5lYVI9jvo/DdBdT+RRBdeXHVS6uPMkqp53mfu6zjFL4R2c/fbN3+0o5P+WlSSQJfR/u5K4+fR5Lr/l4kjrNnj1LSZP8AWSeXSU4x9xM5ZSlH4om7rGhz6dBJPBH5nl/vPLqDQPEEd9H/AM85I/8AlnRpXi2ST/R5/wDWVi+I9Dnj8y+0n93J/rHgpxlFrlq/ePk5I8yWh6Ta/vI6uSfvP+uleXeHPihHHH5F/B5c6fu5K7rTfFVpqsfmeZUxw75eaOqN4zUtHuX0fy6twX3l1HH5E8fmeZUn2SOlTlGC5Z7myk+WzLcckckf7ujyPMkrN8uSOSnx3zxyVjUavanoZ8ztY3rWOSp6oWN9+7jq39q8ys+aR0RSbvJ2JJKseXVCOSrcEnmVlUiyvbJ+ZPB+7q3BVRKlri5PesxxlYuxybKkjkj31U8ypI56zn5m2+xbj8unpUHmfu6kjk/d0rBLXbQf/rKk8uo6kjqNe5qElLRT/LrSPvESjyhH8lWKhqalyt7EhT4/3lMp3mU46mmj2Q+pajSTzKk8uqg7bjHpS9qRKKyl7wb7EnmeXR/y0qOpaW25PKua6Hx0UR0+quKUuZXF8ynx+XTPLp8cdRKXKZ2fcE/1lXKr1J5fmU5T5josPf8A1lLHSeX+7pY6ItRCMUwp8f8AShP9XUkfSpkrE2Fp1Np0dWVzRH0U7ijisietx9P/ANZTKI/9WKpps01J/MqOipE/d05Pl2DQETzKJKf51Cf6yp5QFjp9MojqbAH+sp8f7uj/AFklS0SbQrkX+s/5Z1LSeXR5lVCXu2FKXKR/6yimeXJ5lT/8tKrlCL5iDy6iqWf/AK6VXqCgkpkkdSSSVXkoJlJKNyCSqklW5KgkquYjmKEklV/9XVuSP56qyVt7vIP3u5TuJKzZ6vzVQnqC7lGasy6rSnjkrNuv3dVYkyZqoPHWnN9+qEkddiacNNCOVlSN/L8yr+h/vLqOqj/6urfhmP8A4mUcdKcI8mhjCL59z0nR/wB3JXfeEnk+3T/9cJK5PR7Wu38OQeXPP/1wrzKT5ZXkd1/cPYNH/wCQVaf9cI60KzNGxHptp/1zq/5gqpe8Z3Dijim0eZSHYmqHzKKKrlGTVD5lFMeTmpJi+Yf5lFQ+aKPNFKwXH76j8yjzKZ5nz0WKHU2jzKjkkqV7uwEkj1H5lRySUzzKb1AtyPXgP7cvxC/4Qf4A3unQRM114luBpRZeiR7PMk/9Ar3P/WSV+eX7eXjOPxd8Z7TTbS4eSw0TTY7fyN/yCffJ5n/A/uV7+QYT61jo3WkHdnLiJqlCR8ySJ5lV/Lq1NJ8vyULz89fr9WfNUstzxItpFRIqq3kn8Aqzd3X9ys1zk1y4mUUuR6s66cW/eZHTtlJ92pF+avJ5fe5VudLEVtvSnbql8tPu0eUlehFygZ8yIf46mWP56Fh31ZC7a0p0X1REpdiaFvlomaq32nc2xangi31vGXvcq1ZzuPLqxix7mq/G3l1F5dQs21q66cUtyH7+hbuJflqnTWk3UM3yU6k1UlYcY8onnGhZN1RbqmikrhipRqaPQ1a0JQnNTRxbWqJmp6zbWrpgzB3Lsap/HTJrjapSoDNvqpN3rqvDk5uplGnd6j5Jt1VWao5Gpsa7mrkrVb7M7oxUUDRU+OTZ9+nxfKtQyfernjG6uty/i0ZI0zO2Fp+GNNjkXbTt5FTF8s+dsjyHeVtqvMlW6hZqqUZy2FFsphS1I3WpGwtItcso+z8zpuMplWpIk28VXJ21hKPV7DTuM20bqWiuH0NBjUDpTjTd1YytF3bGJmlxRRUadWAoNOA3Um4UoYV103Hq9CQoprULU396wxxFKppKM4rZe67kjvvUfdo3CkzWz5Vs7sByrupW+Wg0mN1dCXKuVLUkTdVi3aq5FSKyqtFGTjO8thSV0XZpPJ4FUJ5mkbk5ommzRDH51aYqv7V+wgyYxUVdke01E5q3Iu3Iqkx+avDxsPq6Ue5vF8wlJmlorwqnkaoKlhmeGRZI2aN0bcrKfu+9RUuccVouWSv0JP0U8F6z/wAJB4V0nU/+fq0jk/8AIdbMlcN8Gbrf8OPDkf8Azz06D/0Cu2/eV8bf94a01G10HmUSPTKK6Pg2Ll7wVXkkqeT/AFdVJJI46yt/MZ3ZHJJ+7pkj+ZU8nl/886qSU+VPWOwleO7I5KZJ/q6JP3lRvWr92NiJNKVhklRyfvKk8yo5P3cdTNue49e5BInl1XqSeSq8k9XHnk+WJhJ82wSfu6gqSSeq8laW/mFr3GST+XUE336mkqCSq5NLobXNuJUPl1JI9V/M/eVNow31NIx5Rk8dVJ5JN9TySSVB5n7z95Sgn2M6i96yI5I/LqCSSp5P3klQSV0+05IaMObuyv8A6ymSR0+SOoJP3dYR5paJ6mfN/MRySbKZP+8qeOSOSqn8Vb0+ZLlmtCPdezPnV/lahvv1WDVOFyK9aUWtjZqxYVty0jruqGKrG35a15o8vLYyfusriJafHAjUp+Whm3VceRStLUq7ZG8O2omtWNWttPVKznTj0HztGYVpvNa7RbmqFrNaiaf2C1WRm7aVVq1JastVilZxupXexspKWw3mjaalC1NFb7mradNg5WK3NJtrZhtU2/cqreW/lN8tVKm95bGMaybsUvLqZLVm6LSx1rWPzJWkado3QqlRxVzFZdpqWCXb8tXdStdq76pQr+9SppS194IzU43NWH7lSxttqWGH5aR6VS7+A85yTZN5++rcH7uqC1Oj+ZXRG8lorMza5jasZP3la2pRxyWtYtrJ5dad1J5djJSdFyjzS3MKkbbbGBcSpFUEtx5q1Xuptyb6r+bt+StqkpciV9EVGlpfqSSNx9+qhl+emzXFZ81xuPy1xUoSi+aTuzvp0mye6l3CqLNTd9LtzzVT8jvjHlRL57LTZLhn+8xqGipjOcY2sVyodupN1C0/GK3SlUjcZHRTt1J96snFS0T1GJgmjGKcTTaiUYR9QClWjbRtrRJoB1FIpzSMMVpf3eaOwh4xW74TtxLqys3SLmufWt7wxfRWdwwf5Xb7r+laJ86sc9e/s3Y7u+05Lq1f1qho995EnkSVp2M6Tx/6yqGq6Wkf7+P79c8VKn7vQ8fToTzSSQSfu66jw5J5/wC8/wBZ5deeTa4Yo9j10HgLxJaw3ckdw/lxyV1uDUeVu5VOLWp6ZJP5cdEerf8APSq8epWF1H+4kjkqxJ5clebKm4vmRcvaRleTI5J/Pq3a2vmSUQRpsrStIP3fmVyxcua7NOa+wyS1jgo3x0+d/wDppTPL/d06lLm2Vjo5vcJ/Ljnj8uRI/wDv3ViDR4/9ZsjqvayeZJV95/8AlnStFRujaLtG5y/iL4b6N4okk8+P7JfSf8vUH30rm5Pg/rOlx+Zpuvi6k/543SeX/wCP16R5nlyVJHPJWLU+W8XYiUE43kziLXTfFmmx+XJYfa/+uD0+TxVrVj+7n0m+jk/64V28d9Un2795URlVj78tyHDm2Zy9r8Qo/I/0+0urD/ppPH5e+t211Kwvv9RJHJV+SSO+j/eR+ZXJ6r4A/wBKkv8ARfLgu/8AWSQf8s3rrp2kr1UZy5onXxweZHVuO1krzLTfGl/pV99k1q0k02f/AJ5z/wAdd/pXiOO+gjkjrl9lLnvF6Fa9zW8iSOSp4/3cdRxz+ZVuP95HXNUVU1laIRyVYjnojjp8kFXanP8AiIuk+XcKPL+emeZ5dEk9c1Sn/Ii4y5R/meRJ5n7z/tnVhJ6rx/PVj7L+7rlu1udEaqbsTxz1PHJVGPzEkqdH8yolFqBUdS5T43qvHJ/mSpI6k1uSU+OmeZU/+sq17uxHs10DzPMp/l0xKnj+5St71x/ashY6n9ajjjp+ys6kXzcxdgoSiiuqPJKHmZxvHoWKjkjqSj+GuaMbBzB+8qSOo6PLoi0hcpJ/rKkSkjk8ulquZCjqPqSOOo46k8ys+U3epY8z93TaZ5iVJHJT5SeUP9XUnl0f6ynx1UvdFG3UI6fSx0lTGXMPmiLHHUlPpmyly23HyoN9PplTx1MtQsMjj4p1L/yzoj+/VRfKTtuSRxx0eXT0pfIpP3jSwiVLRRRyhcKSSlpP9XT5hBHRJR5lLWfMyZLmE/1dEn7yjy6jkkqi7DJI6r/6yrckm+oJPv0CI/LqvViT93Veq5hWEfHFU7iOp56gkp8orFeSqklW3/1dUJK35ew7lGf/AFlUJKvzx1QnqfUjnM2eT95WZP5nmSVrzVmT+X3qr9hX929zNnj8ySqkn7yr0kdUZ66ueJjNPoUJ/wB3Wl4c/wCQlb/9dKozx/u6t6H+/uo46ucpctnsFOXvcp7VpMkddZ4fuo/9P/5aSeRJXCaPY/u67Twjo8cF9PJHJJ+8g8v95/10rzdL2O3lR6/pX7uxg/651b31Q03/AI9U/wByrVTJ2JJY5KWiovM/eVAEm+lqKSiSSkly7AS0kklR+ZTPMpg9AqPzPLokqPfQO5JJJUe+mVHJJQ9RE9M8yo/MqOoAseZUcklR0SU7jsUvEHiey8F+H9R8RaoxGl6XA91dMBklEr8hvFGvSeJvFGua3df8fWq3099J9ZJN9foR+2r44g8L/BW60dw8tx4iuP7Oj29Ej/1jv/5Djr84Hi/eV+pcL4N08PPFbOex42Mqc0lT7CqrNTL2byU2VbbZbxVhahc+Y1fW1YqnDmb1OGlH2kvIptIZGpu0ikpa8CLUtXuesO21NDtVeetVuc1NH8tXGSc+bl+ZEloWgtNCOzUkc26rMNenBU5bM523EWH5aGXzKezfw1Oqotdtr/CYOVtSksKK1Dysv3Kvt5W2q6rvak6a+wNTvqyr9odmp33qtTWf92meTtSuaKm92VzRexV/ip235sVIq7qeq1cafLuU5EbLtoq0V+Sq8lTrzXuRGVyNp6Y11StBQsCVCXN8Jp7pG1w7f7FCytUjW+6nrDuWiMZy3ZXNGwzb5tS+Xspi/LT93vT5VL3JkO4i/LTGXfUrdKgrT2bj8ILuQyxbaWOX+9U0jJJUfkZrKScfhWprzXWpJJPVWRt5qxTGk20VItb7BHTYg8s09WxTWkpN2awvDm5TQftprKtPVm28VHWFWLWzBEVFSMuKZuFYyjy7s03Iy1NqWmV51SDW7LQm6nCl20uK0hTkK4m2jbQRmhTtqtE9VoArZoUCk3UZrTmV7iHkUwinfdo+9Wk0p6dRDactG00LWNKHLK4x1JmkakrplUaELRupvNNZhXNKtyxvsOwrVPC396qoap1lrHC14zq83QJLQJ2zVXPNTyGq5FcmYzlKpdMuGwZp2KZS7q8uFRdSxaKUUjd6uVow5rgfevwch8n4c+HD/wBQ6CT/AMcSu2k+eub8C6ZLo3hTR9PMnmG1sYITJ/uRx10H+rr5G6nMFLlVg8v955lEklHmVHWlW0ZWYW1uG+mSUSfu6rySU6VnK7HvsMkk/wCelRyVI9V5K0lHl2J5OfdjJKr+Z5lSPTJKnle7egpJxlZENNkkkqw8lUJJP3klW6al6mUly7BJJUFPjjqOSOSuz3YR5kEoqJA8f7yo5Kneqsn7uSiXvbD3VkEkdV5KJJJPMpkj1nKXLLlQo80empHJJ5dRySUUyf8AeVPs/abInm7lSSPfQ9P/ANXUEknmSVpGM4bjuRySeXUEkkdT1VkonGU9XsZ1Iy6Eck9RySb6JJKj8yOOr9z7LMrqCtIZPUcf7uSpJJKrvPXYpqX2bjlZ6rRHzjvp6/NUXpSq2K9OL5pWOtof/HVpJN1VKkgb56wUf5SJK6LTUz+KpKStZSjHZGCYlKtMX5qkVqj+G+ZbAx6tR5u6nUzbTjLsZ6CvVdlq2q71prrsqrReyHGVtDP21JE1K8T1Fu2tVcqSudPxIuRvtp9xH9ohqCKTdVqFq254OPK9znleLuZAyprS0/7laH2dLhfnSo/svktWcazirKJMqymrdR7RebFWbFZss9atv981aa3T79Z+zTfOtEc6qundFeJfloeppF+aoJvv1bjaV1sZJ3YyrEM22q+zbUq/7dVFqEuV7lS2L1tIRJXT2sfnwVykXauk0q48uOlWdWfoYpcz1OImh+y3VzD3R3SqLs+6ug8Qab5eqzyb/wDXPvqm1qrbEt0Z3epi2lZs7FUimYk61E9u0S/Mv3q7az8GmBvOvXx/sVieLPJW4iSHoqVm4TWtzaGIUpqnE5wijNGKCMVWu62PQDBoxQDiio5otXW4DqKKK25lNWQCBc0fdpdtLtojZ7KzEJnNFJto21k5SlPUYUUbaNtXedNXYCNSUUVDlcY+imUvFJSb0TsxFqPVLiNdqSsoq1b67d27f65mH91qyqkWt4Sl1ZlKnB7o0prz7U39ykjWZZN6O9U7d/LkVq73SNHhkT94n30raxx1pKikkjM0/wAQzaa8ZJ37O1d94f8AiBY3/wC7uB5c9c/N4Flum/csFq3Z/BuS4+efUBGP9iOuSdRS0fvIwpyUtT0exvo5/wDVyeZXUWP7yOvCtU0HW/BX7+1upLm1/j3fwV0fgn4rwtstNSfY/wDz0rCnh1Ulp9x0xrRWrR6Pq0EkH7yqlrqUc8f+srTjnjvoPMjkjkjkrk9VsZ9HuvPj/wBRUexqJ2ZlOMm+aOx0sEkfmVejrk9N1iC+/wBRPH5n/TOuhgn8ynKmodbClUtK25JOn/LSp4I/3dR+X5lWIP3clcy523fZHXzKcbFfy/3lSeX+7qfy6gnj8upp1F1M/h0TuySCTy/+WlaUE6eX5lYqVJ5lO3PtoTyvZ7lvWNK03xVB9gv7fz4/+Wckf+sSSuBvvCOu+A5PMgkk1bTf9ZJJ/wAtE/7Z16Tpsf7urd9feRB+8/eRyf8ALOsOWpzXgzWSfLdnEaH4ujkj/wBZXZ6Pr8F3HXLweHNNknkkgsPskkn+s8uStKDw/HY/6uSSSumpJVOXlW5jF3Osjn8ypPtVcnHfSWv+sqOfxNHYx+ZJUzpp7Gsqlo8qZ1M8/lx1Pa2sc/8ArJK5rTZJNVgSf+CSt6xgeS18yOSOSP8A56RyVMqXMr3si4xa31N2COOCpKoQWslE8n7ysPZU5b6HRGz30NLZTPL8uo7WT93/AKyrlc8qSXwk8zIo5Kk8yiSOiOSuOcWdEZKJJHU/l+ZUEfz1OlQpwfQsf5dSR/cpkclTx/u6yU3HYI6kkfmSR0lMjp9VzInlFjjp/l+XSyURyUvzKlqP8uj/AFkdM8zin0UzN+6SR/u6kqunmU+qkoRNH7wVKlRx1P8A6ysudXsOxJHH5clElEdLU3DlH0kceyljqeOtOYLPuEf7up/LqGpaJO2xQUsclEdSbKnlYBT446ZU1EuZAM8urEccdEcdFHxSuD1E/jpZJP3lEdP2U5SuTzIZHU/l0eXRHUW925WotFPplN3ZPMFPoojjpWtuUR+XS0+SpP8AlnUgR1HJUnl+ZR/rKqL5RpWK/wD0zqDy/Lq3JUFKwnoV5I6Y9TyfvKgkjpQJ16IqSVXmqxJUElacwW7FOT95HVSSrc/7uqk9axuuoXKM1UJ46vzyR1UmqY87EULismeOtab7lZM8dVcjmRmXVVHq/dVBJ9yumMnLoTdmZd1c8OSeXqUFUJ46v6PH5d1HJRVrX06DjBuXMex6HJ+78yu38OT/ADz/APXOvMtD1Ly4/LruvDk8k8F//wA9PLrkj73ods6i5eU9gsf+PWP/AHKt+ZVeCT9xH/1zqWlymOo/zKPMqPzKg8z95RygT+Z5lSfuqqeZR5lHKTyk/mVHvpnmVHJS5SrokkkqPzKjorLUAkko8yim0b7CuOpkklP8ymb6dirj6ZvqPzKxvGfiaTwZ4J8SeI/I8/8AsfTZ9S8j+/sjkk8ut4U3UdkI+Hf25vHD698ZH0aOQ/2dotjBaJH28/53mf8AOvm5P3cm6tXxFqd14p8R6tq92++71K7mvp3/AOmkj7zWBrV39nX7Olfu2EoLC4aFF/Y3PlpS9vVbXUo6le7pn29KzWk3UrNnmo683EYh30eh6sKairIdto20wZqQVhTaqdC2Ki4enSdaRGIpshrTlVOLkuoupNC1Xlqnp+3Pz1e+83yV14a1WN0rHNU3sJ92hpXqZYKd5KV3SjynPzIqeS1O8/ZViRfkqrIm16ftEo3ZcXzbkm92X/YoV6RG20M1Zcz5efoIk3pTPMqr51G6rjUcuhfsy1uof5qgV91I1KMoJ2Dl1JAq04bKaKcVqeWHPe+gh/lU1VqBZXp/mUOS5rIOVodM1QyVJ94VG67aJR59y46D6KjbZT1rGNRx1ewWFdMCmNJsWrBqGb7tbcylsKOujK+9mprbqady1IGrldS3uNnRsQ7akjVe9C7Kbu21nFxa5h7k+zalRbKsLMtH+3WvLGpujJSaK5+Won61ZdfkqBkxWdeJrFkWKTaKk20mK4ZUbGlxtGcUYxS7Q3Ws7PaO4DeadtNLwKTdTjCMfiYAFpG4opDUytFWSGLSrRg04ZrSEWIKbzT2pBW7ir2QhGpAM0u0tRtK1k4yb5mtBjHyKj4p0hNR815Naa5zRDqUNTdtLWMFJeQD25qJhtqTFRsKeIjeN7ahEaabTmFJXkzdpWZoOrY8H6bJrHizRrGNN7z3kMe31y4rHr0b9n3S11L4raTI/wDqrLdeH6oMp/5E2VliJctJt9CJbH21Y/u4/wB5U/meZRHHS183GLkVTi72E/1dRvRvoerlHlL5RklVP46nnk+eoJJKOZlkcn7uoPM8uSp5P9WKqfvK3i+YmUVIN9M8yik8zzK1jRUtjDlfcgkqCST/AJ50+aT/AJZ0yT5I6z9m6crMq3Yj/eVXepPnqN639oqa5W9CedLcgeSo/Mpf46jkkqXCU5WTuRCOvN0I5JP+2dQeZUk8lVPMqo00pabjqy5eo+eSoJKkjk/eVHJS5nHyMoy5XdEEkn7z/YqvJ/10qxJJHH/10qp5nmSVFSUl1F0uRySb6j/1dLJUfl0TTm+boVGXNGzI56qSR1b8z93Ufl+ZXT9m1jOMIydxn/LOqkkeyp7j/WVUkm/56f6unSjfRaMzlL3uRnzqtKtJRXtxlyy5TuHbdtSRybWqOirfuk7mij0r1Rhl5q6KxlT5nzI5pR5WM/ipy02lWt3TS31B7Em+jfTG+apYazi5JXW5DslcfG2aa0eVqRFAp3StXJy+L8DO9noZ0sm2oW+ar00XzVUk2bqipUduXodMWhifLViN6ZuC07b5tYx51vqOWu5oWtxU0i71qjB+7rS3blrrgpRjZnDNcruiJflq7avuX56obdv+3Vi3bD1ro43bMpq6JG+WlC/LViRP+WlVOaiLjunoZkDblqVaSjfsocOaXMy9yzF8ta+mzVhrPlq1dOkTZVSlzR5dzFx11NObwtfeItSTyP8AUfxyf3K7KTwraaHYoiR/vE/5aUzwXdeXJJHR4wn1XUpEj07Ykf8AHI9cak4y5Voy5NLQ4rxFqvkq4rzm+umuJmdq9KvPB93dLJ9pf95/sVwOraHcaVMUmT5f4WqJTkvjOjByhd3eplLQwpaK2jKLVmewNxRmg5pKmT5dtAH0U3dRupy5W+aWjGPambSadRV+6tXsIKNppu6jzMVSlTjq9g1HUu2m7qXNXzRfmGo1qSlahawlrKwxKUGl4rpNB8HvrERmlk+zJ/BlPv1m+amtNWZVKkaavJnOha1tI8P3etO/2ZMqvVmrrbf4UCaPeL/j/cruNH0GDS7ZIU+REq3Um42tY4auJ0/d7nC2Pw7hjbfc3LS/7EabK7KxtY4P3ccfl10MGlR1P/ZUcdciqa26+ZlzTjHmnqyjav5clXv7S8v/AFlL/Z1Tx2Pmf6ys5VlGehi9COO+gu/3ckf7uT/npWVq3wm07Wl82Lfab/n/AHFdBPocc8H7v93JUGlarJa3XkT1P8aejszojJRVpI5JvDPjDwaHfSrt9bsdn7y2f5HT/crb0H4g2OuD7DqX+iaiifPDPHXfR/v46qax4Zsdch8i+tILtP8Abj/1dae2nQ1nqjWV16HAeIPB88E/2/RZPLk/55/36Xw/48/0r7JqUf2S7/6aV1Fr4Nu9D/49L+eeD/nnPWbrmh2muR+XfweXJ/yzkj/gpu/xrVdjPlXQ6iGTzI/9Z/rKngryCx1y/wDB935b3f8Aa2m/3/7lei6P4mtNURJIJN9E6baUlsxwa5uXqdTHJH5dVLqDzKIJKn8vzKzlzU9kOKlIqR/u6j8z95Vy6/dx/wDTSqccf7ytaU3HSe5rK0emptaVJ+4ovpI46zfP+yx/u6oT3Un+srKVNRfM9iDdtfLq+l1HHJ89cfBqUnmfu66mCGO6tfM/550QpwW5EWkuXoT3UEGpR+XJWFJ4HjkvvPu7uSeP/nh5dbumx/vKL668ueOOs1JR2ZfNTh0J7WSCO1/dx/uIP+WccdY+naDbeGfiJquix3V3d+DfEeneZJIh2Pa3Um/e8f61uabH5ccif89Ko+I4JI4Le7j/AOWElaU1CcrMzxFaVNXsc98PLXxXpel+K9C1bWkvppIJJ9Ku3kkSTz4/uI//ADzjkrW0PUdZ1HR0u9Sgexu/+W9q/lybKn1y4+w6lBdx/wCrkjjrWkjj8z/pnPHXXOnGZxzxHtLwlfQ0vD8Emq/vEng/65ySeXW1Pps9r/rP/Idec2OlQT6lHHdxxyR+Z+8jk/jrs4/Dng+OCCC0v7rQpI/3flxz/wDxyubEYVf8u7s6sLVlKGv4l+STy46ybG+/4mMlp/y08vzK1r7w5Jawf6Bfx3fl/wDP1JXC+HND1Lwq8mpeIdS+16lfXfl/u/8AVpH/AMs44/3dedHDwqL3nqdUuaP7x7HfR1OlYseqpJ/q/wB5Vj+2I4P9Z+7rzKuHqxN44qnLfQ3Y/wB3Un+srMtdVgn+5JWnH+8rG/s9zZzU/hlcXiOpeKZ/q6XzKjz6G5FUtRyXUcEf7ySOOsWbxjYWsf8Ay3k/65x1vTozq7K5lVqQj8RvU/zK8z8afFr/AIR3Q57u3g/ef8s0n/jkrwjU/j54zvp5HXWXsY/+eEEEez/0DfXs4XJ69bVOyPO+vUorTVn2P5lR+dXzz8J9W8YeK9FvPECXeq61JHcfZI4JLvZH5mzf/wCz10+reNvEXh/T5r3xB4duND0qFMPqP2uOfZ/2zjp1cr9nU9nzK5t9YlZSitGev1JHJXzNH8TLjWZkm07WtUSGb5/MvUeG3r2nwBBdx6PHd39/Jdzz/wDLPz/MjT/rnXnYvDfVtJ7ndRlKtLlUfn0O7jo8yOSszzHpkmpeXXBTOmpFU9zdgjqWsSHWP+ela1rPHPH+7krWrGUdznjUUif/AFlSeXUcb0+sIM0JY/3dPp3FPSr5jPXuR/x06l/5aUeXUXNCTy/Mojp+ypI6YEdSeXR/rKkjoJuFHl0f6uiq5R3Cjy6dRWdmMbGn/PSn/wCrpKKQ7hS+ZTI3p/l1UVzbiEpsieXJT/MpklQKxXemSVPJHUFVcOUj/wBXVSep6ZJHVDKn+rqOT95U8lVZ/wDpnTjG4FR6oXHl/vP3lW56qSSfJVxvHqKxQnjqpJVueT95VCeSq5kKxVmrMu5Kt3X/AF0rNupPMjrSmu+xlzNy5UipN9+qEkmyp55/k8uqN3/q63lPlVkgknHYqTz/ALyr2jyfv46wpJP3lbWjyeXJHRNQqRsiqcWek6GnmV6N4Lj/AOP7/tnXnPhyf93Xo3g6b5L/AP7Z1w8suh0Hr8En7uOpPMqvHUtPaV5ED/MplJ/q5KWmAUVFRSn5AFFFMrMmK5Qkko8z93UVFG+w7ktR+ZR5lJTjGxfKxfMokqOSipbsKwSSV8xft0fEyTw/4R0zwNYSqt/rafa7lR/z4/On/j8if+Q3r6ajkjkk/eSeXH/y0kk/gr8yPjV44n8ffEzxB4iuZd1vJO9rYoPuR2qO6Qj/ANn/AOB19fwxl8sZivbNe7Dc8zG1HTpu27PL766+xQgD79c7cTmZyx61NqN0Z5mPvVBq/SMZinFcsDmw9HkV3uBak+9SCnV4F3Pc7dh4ooqVV+WvRp0/dskZtkWTTOaezEGrFrH5nJrOf7zRN3BvlVyxYxbq02i2r8tZ8SVft/u17OHouEbo82q9blaZqZuq7KtUmX5qqtNLbUItNDd1NaSnUNXPF8+nU10HqyNSMlMb92KhkmIatJS5Y8rBRvsPZKPu07dVdt7NWN/Z7otak++hW30ixPT1+WqpKUiXboNkpjVb2fx1Ey1tKg4vmEpFfzNrU7bULL+9q1t3LWMZc2iWhrKyGJsSpW+ZKQwMtRH604ynHVbEfFsQyR/NUsW6pf8AW02trRqbIrmurExXbVaT5quRqjVVmX5qOVct0jOL1GNsqLbup+2mM1efKXNK3LY3XkKv36Rn3U5VY1IsNdkaLlT03BtArJtp27ctDKm2ovnT7tK3s42exGjHbs01LXPNTbdvz0qLurP2aau2HN2K8qbTUbR/LmrckVV5Iv7tKSlJWLjIrEU2pJFxUdebWi4S5ToQmN1LnbQy0KtcyTi7LcY4MKD81NZTQqmtJTnL3bCHLQzU3NL96qjPmXLF6gHNG+kYUimo5nGVhkitSM1FMetZ1HGArDHqOn0yvn6z965qiRaWkFKTXXD4NSRPvU0/LStUbVx1qnIikDUqrSbqN1cnut3ZQ4Cvdv2UdF+0eI9Y1WROLe2EEb/7cjivB2zX1h+yjpslv4Lv7x/9XdXLKn4ACvNx837OyREr9D3SOT5KlpI6jevMjLljZGtmG+oJJKJP3lRyfvKximuogkkqDzKkeq9dMfeJlrKwSPTJKJJPL/5Z1Xkk8ysKkeTYKckL5lRySR/8tKj/AI6jkkjkrWlUbjylSaW2pJPJHJVCSOSpJP8Alp5dQeZ5daKLXUym/esJvqD/AFdWJJP3dV5P3f7zzKfs3y80kElf4hkk/wC8qpJU++oJqqlJRleRhb3bLcjk/eVB5f7ySnxyUySSt5RjKV4y1I+1yrcjkjqCSTy/3dSSTyVXkk/eVjUlH4JGsqd+hHJTP9XT5Kgk/d06XI426mcrL4UJUM33KfJJsqCSTfWsZSp/DqONTmXLJakHmeXHUfmVJJVSSSOOtb85zSu9nYP9ZJVeeT95H/0zqTzNn+rqOSSumVNuPNfUUZRlqj513UbqSiobb+J6nrj9xp+6olqQV3U6iZDHVYib/bqvT0qrvoZyV0WKctMX5qf89bxulzWMGPWnfPQrb6fWM25kMKlX7tNTFOrSK5VdmUhslZk67WrXYZqhdR5rJR5o8yNaUtSmjVcjaqA61ajrTZWR0zQsctaMM+2s3bT1by61jWbMZxUjU8z5kqeL7wrNjuK0Y7qogray2OGcWjQZd0Oapt8lWY7jzUqtJV+5v0OeNr2IFqZqgDU8/erCTlL4WatAn3q0dPf95WcGqzaybJK3jT5I819RNXOv0O68i6jrs4686tZ/LrvtDnjngjrkqTl/KYyjdXLf2Xz6ztS8P2upW7wyruV+ldB/y0p/l+XHUwvy3miFGK1kzwXxX4FudBZ5ox51n/z0H8Ncmy19MXVjHPHJHJ+8jkrybx14Dk0l3vLNN9t/EvpRy8r53senQxEvhmefbaTbUjLimbqqPLKXMencPvUtFFbe7y3kA3bS7aWiopuL3ATZSbafRU1JQ6IVxKKBSlq6KcY2v1ARlpRHVi1tJb2ZIok3O3SvRvDfwz+0Qq9ydp/vU58rd7nPUrxpaPc4vSdD+0XkIl+4Tyteh+RJYx/u/wDV1JqXw1vLeB57N/Mmj+dEpdMGqj93e6dIv/TRBvrkVeMvNnmVKjqaT0Kc+qyR/wDLSq8fiO7gk/v10V9ocE8f7v8A1lcvqAn0GTfs3pXZGspRtYwlG0uU2YfGl3Hs8+Ota18cJ/y0/d1j6FrOnat+7ISOT+5JW3J4RsLr78flyf8ATOsKknJWnD5myUoqzZvab4gt76P93JWzazxvJXnU/hmSxk/0SSTy6t2OsX+myeXPH5n/AF0rlnCnUjeGjHTT6s9J/wCWdZOuaV58HmQf6+OqFj4qjk/1n7ut611KC6+5JXCqE6f7yT0O1pyjZFDwj4g8/wAy0n/dzx/8s67COfzI6898XaXJps8erWn/ACz/ANZHHXUeH9Yj1Wxjkjk8zzK6oy9tG6Yoxb+I3bSPzP8AWUXVrBJ+7kjjkjqSP93HRJUyny6dSpO8rnNar4LsNSgkj8iNP+udeUar4A13wzJcXdpOnkR/885Pnr3WeT/nnUfkefB5c/7yOSphJw6hKEX01PJPCXxMkgkjg1KB0/5Z+fXqFjrEF1H+7kjkrFvvhfousSfvI54/+uElSWPw5sPD8f8AoE8//XOStJ1ZXtKNznXNHc3biSOeSmR/uP3lcnN4mk0PUoLS/gkjjnk8uOeP95+8rqJP38cdRGKlqti43luw/wBZJRdWPmR1fjtf3fmVHcSSVpVnLohyUo7mLHB5Fb2jz/uZI6zJIJJKt6V+7npRknD3kXp2LfhG+kvrW7kk/wCWcnl1JJ/pU8kklVPD/wDxKtDu/M/5aXcn/oyp45P3dZTpe9eLMJwblzI3tN/1aVevrH7VayRyf6uSOqOlfcrd8zzIar2ns+hrOKnT1OP1K3+1eH/L/wCWlpJ+8pmm3Ul9ock8f/LD/lpRPqVho99qVvqV9BpsF2n7ueeT5K8iHxwXS/7V0/R7H7Vb3CeWk92//sle9Qw068WlGyls+h5E4e9c9d1L/l0u4/8AlpU915F1JBPJHG6f885K8Bsfjf4jbTriymhsXlV/MSTyNlUV+Mnia4hmg+0pCu/zEjjT5Er0KWWyhHllNDcLLlSPoyTwXYR+Rf6bf3Vh5n7yPyJP3dVNSk1LTY49+pSX8cn+rjnrxTwz8YdV1i4s9D1swm03+XDOibHj/wDi69O021nkuvL+1z+RB/rJJ5PuV4lbCTw1TklLQ6bu3K0dn4fk8ytbxHJHHpUfl/6zfXGaB4tk1jVfsHh60jn8h9k91dfu9kldRrl9BPHBBJ5f2+CP9/JHHXl14RhLla1M+f3HZ7mbBPHHWzo/i7zLr+zfMk8zy/3c8kdcvJJ+8qS1jn1KT/QLSPVr+18vzLWOfyJHj/1fmRyf89Kn2VGEeaors3wE5Rd2R+LfivrvhHXJII4LHUo4P9ZHHJ9//wCN1U1X40z+IPsEGiwfZPP/ANf5n30/6Z1hax8L/GfiPWJL7+xZ7SdP3fmX13A/nx/9s66Gx+GuraVH5kmmyeZ/0zj8yso08PKKUraFyrYmVSfuuwW99JPJ5k88kkn/AE0q3PdSRx+ZVDyI45I/Mkjj8z/V+ZV++0rUpLfzIJLXy/8ArpXpU/ZRVkeXJ1JztbU+c/iF4vvvEGrTRSnZBC7pHGlciZ91S63JjWr+Pf8AIly6ff8A9uqq2yP/AMtVr7bCQisOpJ7nXCCjFcx9Lfs36a+seAZUj8bT+GtWj1KTyLSC4g/1flx/vPIk/wBZ/wAtP+/da3xY1K/0PSpLS78fR+IY/P8A3kF1ptpHGkf/AGz/ANZJXPfAvUPhtYfDk2niyCxn1wajNMPM02Sefy3Eez50T/pnJTfHWvaVcatBaaZ4R8OzaUg86D+15PIjR/8Acr5/GU/37m4tW7v/AIB3R5XTs7WZzmh+MNP1jXLLTZPHOume9mjhT7PYRpG7yHGzZ9SK+sbWCOOCPy/L8uvAfhHDrN540huTo/gW2sIUeSSXRIIJJ0/d/Js/uV9A+d5cf7yOvic0kqlWKTep9Nl8eSHvCySVmTybJKkm1KCT/V1Q8zzJPMrmpU3HzPPzKslsSb5KnsbqS1njk8z/AK6VQ8z95Unn+X/rK65JSjY8eFdrc7u1njnj8yp465Pw/fSef5f/ACzrrI5K8+vScPhPSo1HV3J446kjqDfT/M8yuC3c77D6sRx1UkqxHJ+7p3UNgsEdTx1HHJUtXGak7E6j6KPM30VOvRlXD/WUUU6ppyCw2nU2iunnFqPjokojk/d0lRzIdhfLplOpfMo5kCVhlElElMqbiIp5KZJT6gkkq7zewCVDJ+7p8klQSSVFwIJ5PMqhPJVuSSqkknmf6ytI3XUFqVJHqpJJU8837yql1J+7rV2Y7FGeSqFxJU88/mVm3UlVoYadypPJ+8qhdT+X/wAtKknkrJvp/LkreLi/UEnHZkE8/l1mXU/mf8tKsST+ZHWbdP5ldMk4ytYl+9uV/tX7yt3SpP3kdchJN5c+yus0qTzPLrnrfiXSvI9F8PyfuI5K9N8ByefBd/8AXSD/ANqV5Xof/HvXqHw8+5P/ANd465ovmjZG0pKJ7JBJT6jg/wBXUlIQUUSUys4+6Rr2Cih6iolqWFL5lR0eZWYBRTJKPMq/QB9M8yiST93UHmUDuTySVH/HUcklMknjTzJJJEgjj+eSST+COrUb6IiT5Txf9qr4xab8P/h7rfh9L1l8Ua3ZPawW8T/OkD/I8/8Asf8ALSvzg1TWnZPJRdiINlelftOfEqP4kfGLxDq1nKr2MBTTreSMf6yOAeX5n/Azvf8AGvGM/KTX7BltFZXg1RirTkryZ5DXtp80tkNZ803rRuo3Vyylzbs6hVqRajqxHH8m6umlSdT3CZMFpsjc05qi3VtrTfLJkIAu5quwxfNUES7q07GKuujRfNdGVWdkWIrfatCttqSRtqVVMlelHmjHlOBXlqyZ2+SqUjbXqTzf9uq7Vk2uXl6m0I23EZt1Ojphba1RNNj+GuLbfc35b7Ezt1pm6oWmLUxpWNKUoRlzM0UGStL81TxMlVVt3qzCu2odeTqRutyZWtoStTVjpWWha9BqUff6GXQkVvl2U9vmqFlo+eplUcuhFuoSRVDH8rVYZty1EystKNNx1W5cXpZlhrhWqKZe1UmZgc5qaO4MnyvU9OWoV7Pl1Q+OLmrAiqJVq7Gq7K6IxUdjKciJV2v8lRTRbm31Yhi2tRNFV297lIUrMznXdS+XT/L8tqYs+a5ZUbyvJnTd9CysabaYrYpm7bTKqMuX3IIhR7k0lQ/x1Nu+X56h3JWFYcRW/u05f3VQ/ep27atTHX4mU10Jml3LVdpNrVG1wT0FRtIWrKNZlxhYJG3MaizinEU0iuOrKUnzdTdCM1KBTaXdXGpJyvIoXFOpN1Orsgl0YhNuaQ/LT+gqNjU1uWnHm6iQUVPGtNkXDU40243Fza2IW+Woy26iRjupP4a8epV5pOMdkbIftFJxSZpePSpc4y2sgCl/Ciir5RCbajbipSahauLF8sYFREpVpPWnVwUlzFiN0r7W/Z4sX074U6JvO15jJMD7PJJivilvumv0E8H6fBpHhXSbSBNiQ2kCbP8AtnXl5h7todxdjoEpkn7yo45P3dRySeZJXJHWNiJS5Qk/550x6fJUElTJcpaXcJJ/MqCSTy6JKjk/eVX2bGLku1wf/V1B5lSeZVeSpjKESoRSV2R+Z+8pk8nmUSSfu6jpxajPQx5pc1okEkn7yo6e9MrWNSUtVHQ0qEcf7umTyU+SoJJPMrqpRjKN2ZzqKK5epHJ+8qCSp/P8z93UNKcL7ITlF/EJ5nl1BJRJJVeeSjln2HLkiEklQSSVJ/rKgkj8uojHm3C7ezI5JP3lRvRPUEcnmR/vKJwvsRze9yskkqhJ+7qeSoJ4/M/1dVSTi7NlVLQjdIj8yqk/l/8AXSpJE8v/AJaVH5ddMr0+pz8z+1oiP93HUE8lSSfu5KrzyfvKiMpxleZkk4Hz9S7aaKkUmtqKjKVpI9ljRmninUV0+9CXL0JF9KWkamGtYy5dyS4rfLTvvtVWNqsBq3nUf2UYyjYmqbmqe7dVhXq4yTMpRJalX5qiWpY2qpctTYwkOZtq7aq3C7lrQ+Vl+aqlwu5etZauNpMUJamO1Sr3pJF2tTKiE7fEejui0vzUrLSQt8lNl+7Vx5Fp1Meoqv5dXI58Vk5NWo5KJeQThdG1aSfLU0jfNVTT3qzM9ElJrRWPMkvesQtIpoznvUVKi1MYOWzNOUfJ0qe3keOoZPrT4K7IU3Dcl7G9B/q67DwXdfapJ4P+ef7yuFhmkdK6/wADyeXqv/XSOuf3pqcXsYc2tkehWsHmVJJUcElTyfPXLKnUjHmewRgqquiDy/MqPyI5P3ckf7uSrHlySURx/vKyd0+Vmns3blOH1r4L2GrtLdWl21lKyZ8sx/Jv9K8q1bwbqmj3Lw3Fm4KdWT5k/Ovp+3jokgjqYxUJcsdy4zq03yp3R8lWllNeXaW0KMZnO0LVrWvDuoeHZETUbWS1ZxlN1fTN14ctJ5PM8hN8cnmeZRdaVaarDGl3Ak/lyeZH5kdNVG9E9To9vNPVaHyzDay3BxDE0v8AurVmHQtRuJkhSzmZ36DYa+qLXTYLWCOOOCOOr0Gj2k//ACwj8ytou243iJdEfLTeAvECddLuB/wGqtx4V1azQPPp9xGnqUNfW8mm+X/yzqpJB5n/ACzrL2sp+5An6xJ7HzlD8I/ENxapcLbxIr9FeQB/yrStfgze/J9quRGf41VMkV9E2tjV+DSo5P8AlnVRlOjfnd7kupVa5b6nkXhv4eWukrmFMyf35K7Gx0OSOOu3j0qP/nnVj7DWdWSqxvTepKopayepg2Om/wDTOpH0eP8A55+XWz9ljjqTzP3ckdTGfLGyKjC3U4i+8ORyf6xK5PX/AABJdWsiW/z/APTOSvWJLXzKg/s3zK19pOpG6Y4wild6ny/rng/UvD8YupYsR/8APSP+CrXh/wAeS2eyC6/eR/wPX0HqXh+O7jkjkj8yOT93JHXn+vfBjTpoJJLOHy5P+efmUo4uUfcmroxlGKJrGeDVoI5I5PMjkq3JpUEyfvI/Mryqx8J+KfDt4klpZyMqfwV3/hzxjHqv7ueOSCf+49aRhSqS5oFtxRbn8Ox/8s46LeOSxkjrdgnjkourWO6rKrGrTla94nRGq3HlJ45/PtfLkj8yOuIsbr/hFfEckcn7uwu5P++K7CCSSOPy5I657xjocmpWPmQR/vIP3nl04Ss77GVWcpKyPSYJI5II5I/9XVSe6+fZXN/DLxEmuaH9gkj8u706OOB//adbuq2/kSeZWVSTpz1GTVZg+eT/AFlULX95H/0zrSg/d1vN+7zG0Xzbosf6uP8Ad0f6yo4/3klRunl1zqSjG7RN5T6FHXII/wDWf886zLrVUguoIP8Anp/y0rWvv9Ij8uuJ8XWMmm6X5kcfmeX/AKut6UkvfauZS54qyOz/ALU8uxk/56f8s6j03VbSf/WTxxyf9NK8507xVJdWPlxyf9M5Kq+fIj/6ytNKkrWFKVo3Pao9K+3fcqOfSvsMlYvwv1yfUo57SeT/AFf+rrrNSk8uCTzK5JU3SnozSUk43Whzd95knhmTy/8AWef5n/kSr0EnmWMckdSRwefpscf/AD0jqhocn2rR4J/+2dRGUZXv0FTidTocn7utWD79YWl/6yui/grGpeXXQ19mz48+Kun/ANj/ABF1GIx7N58z/vuuS3PFeGvoD4+fD248UeIPDEmk7P7Rv5HsfLd9if34/wD2pWZ8LfgJp/ibx9e+HvFuo3NndafYpe+Tp3Wb5/77pX2+CxcaeF996xOT2bvynic832e83k/fqG4k+x3if3Gr6n+A/gfQp/FnjfQ9f8NWGo3ml3SCC41CFH2Rl5Afk+50RHrqfhRpX/CF/FDxn4ekggjjeOPUrSONP+WfmeX/AN+/3if9+6nEZk5zbgrJK+o405JRbW58jWeg6rq2oo2laXeaoY9k3+h2zzf+gV7N4fh8Q+OPD0k0Gj6hDpkE/kX13KY4Y0dI/nj+evV/A88ng74xeN9CknkjtNVjj1K0g8z/AJaSeZJJ/wC1P+/dcj4ki1Xxd4H1uxg1saPaQ+J7sPHJnyJkkn+5P/sfPXjYnHVMRNJWs/v+8n2alJQepZ8OXUGm3VpaWE8FhHH5cfmf6+ul8aa5Jp3h+C7v/EMGpRyf6uCCCPzP/IdeTeIvEHhvQfhVPYz6/Nc+PbfVZEtY7WB4PskaP5f+s2fvE2I//fyvLLrxbHfT+Zfa5qDv/wBOyIldFHButaouhjLmfuctkd5cfFDUtc1S00Ow0e5hu9SnS0tHmT78kj7I6+7LXwXpvguCODRY4III/wDnnH9//ppXwp+z/cXPiT47eBLTTtZ1B4F1H7Tdw3nz744EeZ0/7aRo6fjX6EX0EE8f7v8Adx15ebScZqm1selhIRjHVHj3xu+L2l/CO38PyawL4vqkk/kfYYI3+RNm/wAz95H/AH0rmNP/AGjPDPiSGePw7fW+pat/yw029L2Xn/8AbR08uuP/AGs/HWi6B440DTNe8Hx+JLCOxeeC7mu5I9u+T50T/vhP++68et9a+CPidBBf+Hta8JTb8reWN49wMeh37/8A0CjAUlWoSc43b8zWbfN7r0PYvE3xUu/H88mjabBB4e8Uf8s7HUYPMjn/ANZ5kccldv4L+EmraxodpPB4pgnn8uP7Xa/YY5/In/5aR7/M/wCelfP02nWNzo8cf/CQf8J54cteIbq3SSPUdO/7Zyf+OV7JY/DbwZrHhXRZNS8GaxPJPYwSefYwSSef+7/1j/vP3ckn+s8uutc9KlaHuvzsYfxFdpMr/Fz9ly51bw/NqOmrp8Gr26eY7R2v2X7V/sV8f6hbvpt1JbXsL2s8fyGN6+xYfhP8MNPdHPw38Vo8f8f9nT//AByukt/DvgGaHyJ9Nu7CB/8Alh4jsf3H/kSqoY6pg4WUuZ/L/NhOjzSvFWR4r8KbmCL4c6QiaTYyXHmTumoz/u5Pvv8A8tKVtP1O8m2RaP8AD3WU3/u476fz5694h8EeFNOtZ7G78L6cmlX0GyS40pPkkT+5+7rzLxZ+y98PtUa4fw3Lr2l3B/1cK/v7WP8A77Tf/wCP15VXFqtUcqi0fYbpuna6LPwnxpeq6xJqXgbS/DlxCI4YbrSxHsmSvR59ctL6PZHP5cn/ADzry/wD8E9d8NaRJY2/iCx1EeZ/q76SSDy/+uaV19r4D8SweXI+kyTx/wDPSxk8/wD9F15VWlGU7rY9XC1404e8R6x4gjtZPL3/ALymaV4g8z/WVQ8TaVPaySSSWk8fl/6yOSPy5ErmrXUt8/7uvQw0eaPKkfM4/GKVfkPSo77zKJLuuetb7zI/3n7urdjfefOkH+s/5Z1nVioytEcffVtzvvCsHl/v5I/9Z/y0rpP3cn+rrKtZ/wCzbGODy/3f/TOieeST/V/u65ZXcr3Pbp0XCGhV8cXniPTNCF14c0ePW9RS4/487i6+y7o/49jv8m//AFdO+HvjhPF3+galaT6F4hj/ANZY30f3/wDrnJ/q5K8p/aGs9Z+IHg+Hw1YxXS6lp2owaij+RJsf93JH/rP+B1594K1b4r+DUtrfxZ4Y1HxB4Vtcfuysc91ak9XgkTe4f/PydauNGhUT5pq6H78HzNOx9nSabJ/q6Z9hkjrJ8B+Jv7Y8K6bd3/mWk86fvILr/WJ+8/d+ZWtqPi3w9o8e/Utd0rTU/wCnq+jg/wDRlcawrq/DG5t7Zb30H/YZKPJkridR/aK+G2nXRg/4SX7dP/q0g06xnut//XN0j8usnxZ8bL7RwbuDw1DY6HH01TXNV+yPJ/2w2Sf+h1rHKsTzWlC3qR9Zp9D0z95UtfMeqftCfFXxLoY1Dwj4M0u1sJD8t/dakl1K/wDwDen/AKLr3bw5rl/faPYSalHs1KSCOS7jj/1fmeX+88usMTg5YbST1OmhP6x8LOp/ho/eVXsdS/eeXJWtHDHJXGkuo6idOVmir/yzpP8AWVb8j955dSRwR/8APOnOmnsHMUI6k/1cdW/Jo8uo9j5k8yM+irvlx0nl1tKly7hzX2KkkdQSVpxx1H5fmVcaKQ7mZJJ+8qCTzK1vIjjkqpJHUezXcz9sjNeqkklbP2Wqk9r5lV7Nj5zKkk8yqEkb1rR6PaWskkkcccckn+s8uP8A1lRyQVpyIOdvYwp45KoXEcldDPH5dVJIKHB9CfaM5qSOsmeCSSSuwngjqpPH5kfl040nGXMyJPmOB1KPyP8AWVg3Uldvrlj5kElcDdf6yStqvIvgOb31K0tipJP5dZt1dVPdffrNupPMjkraN5RuRUk+hUkn/f8AmV1+lSf6uSuBkk/f16Fof7zy6irHkjzTOqg0d9od9H5dem/D268yP/rpPHXmeh2vlxx16p4Dj/ceZ/09x1yQT+ydb96NmetwSfu6sVBDUkn3aiXukD6jkpr9qJGqOYI+6N8yiR6g/joeouVr9phvqWoko8+i/MVYZ5ntUkcgxUcknmf9M6j833q+Uiw+ST95TPMo8yo/MqSg8yvkn9t/48SaLbx+ANDuZIbq5TzNYmREwYXR0+zn/wBD/EV7d8fPjHY/BXwLJqrx+fq195lrp0PpP5cmyT/rnX5aapqlzqV9cXdxO89xcSPLLK/V3f7x/Wvscjy9R/22svdXw+vc460rvlRVmk3VDmm5NGTX1NSv7SVyFGw6imrTqmPvDFHzVd2oi1XShmJrtpqcempjL3gkb5qRV3sKZUkZxW3Mpv39h7Ivw1pw/IlZ0P3asFn8uu6lHljdHnVFzOxYmnSqJ+anOxamfxVtzSewRjykO3bQ3ep2Wm/eqbvl5jbmKEzNUJZmqxIvzUwrtryqkFKe51RaE8tm68VPHGi1DI1N8yqjKEpWewrNo1Vb5dlJtqBfmWjdXoTp+75HLykm7zKZ5Walh+al8h6cVePL0C9hkLfPV0KktVUi+erqR7VrWnd/EY1GuhCy0ixbqbMuGqsbvyXrrjKMVZlRi5LQiuo/LaqozWwjJdJs/jqnJAu6uKpRlUlzQeh0QqdGPhuC5wasxS1Thj8urEX362SfYyml0L9MllVlpdu1fv1Btq5Wj01OZJMrzL8tUUba2au3y/JWWzVwV6zpq8kehSXMi8vzUpqtDPVnbmso14yfMhSXKxjNSxquyhZdtQySmSrn73wlJNjiwqPc1MalX71cqkoStI0tYWMbjipjbZXNIOtWVl3CumMIRjaRnKT6FB121G3WrMkfzVBIu2uavTfLzdDWLIqfGu6mGnLXjxXNLle5q9hwoo4o5r0L6WIFpY4/Mao1ytTRvhs04qNd2loxO6WhLJB5a1XY1NLJnmqkjZrTEzWHhbqKCb3ImbJoDYpdtG2vk+WV+Y6RaXbSUoFdcfeJFooorUQ1qiNSMajavKxdmXEKcCKTmjFc9O9PZFGv4U0/+2PFGkWXlmZZ7qONk9VLjP6V996V+7tY4/8ApnXxN8GLd5viZopRPM2u7MPpG9fbMf8AqzXj46UpVNdjLVytEt+Z+7qCjzP3dR+ZXnxaZWn2kElR+Z5clSSSVBJXVyrk11MuZPaRH59QSU+SSmSeXVRfKEoyZH5lQf6yp5JP3lQN/wAtKiooy30I9nUvdkfl0URvUEkm+towlHV7FR1Hv/zzqCSTZR5lRySeZJ5dZz52+RLQuMuUgnk8yoJKe6eZUEkf7z93XTGV/wB2tGLl97mYf8s6jkk8uiSSmSVtPyMpR5pXI5Kr+fJU9VZKxcmh69RKhkkp8j1BJJURajKyQCVDJT5P3lMnk+et5LmfMh83u26lTzP3lDv5dE0nlySVHH/00rajBqN3Y5eWV7EEn+sNV5JKneoJK05U1fcmSct0Mk8v/tpUEn7un7Kjkj8yOo5oqV5IwlVi9kfPq09aj709aqjJc57rJM05abS16Mqq66kBRRRWUVzSvEAqxHVeiuuPu37Mlq5YqeJt1QJUqtXI7PqYyLa09KqrUytXdTceWxzOJZX7tMuF+Wmxt8tWDytc9ZGPwsxbr71V607632rWYzYrFSij0acuaOhL5m2oS1KelRtTcuX32aJD6kjfbVdfepBRSbl8Og2jZsJKsXDVS035qu3G7tXSoyvc8yatMheWnLUG3dTtldXNHltYfKiZamj7VCnzVYjWmqiautjKRes3/eV1XhX/AJD9pXIwrh66fw5P5d1BJ/zzkrnna97nK43eh6xHBU8kflyVBa3XmVpeX5lcUYOS5Wzos6cNEQRx/u6Eqf7Ls/5aVH+8j/grnq01GVpMekt9GWI/Lq3HH5kdUPLqeDy/9X5la8vu86ZpzJSuyx5fmVU+wyVrQRx1bkjrDV7RM6adTmu73MWOrcckkclEkH7yr8EMf+rqpSlKza0RcrRjy9SOOfzI6J7WOSP/AKaVfjsU/wCWdPjtKmFS25FOPkY1v5kElbtjPHJVS6tagtZ5IJP3lVO8+oVJNbm75fmSVJJa1Ha/v6v1EtI2izspNONpozJ4JJKZ9h/zmrc/7unwR+ZXP7X2e5g4pSuQR2MklRz2Pl1vRweXHWZP+8npUpzlG6ZvN+7dDIIEjok02CT/AJZ1b8iOOP8A26r/AGXz5KubXVaku0tkUbq1/d+XHJ5cdZmpeC9J1W18u7g8z/nnIn7uRK6yPSqP7NqIy9zV2J9mlK7PJ9S8HT6P/qJJJ4P+mn+srGk1iTTf9fH5kde4yabHXJ+I/AH9qxyfZPLjkk/56f6uqnXlDfVGXLUj8Opy+j31hrEf7iTzKv8A9l1xepfD3XfCu++tPLjeP/lh5n7t63vCvjiDXI5IJ0+yX8H+sgkrtdKNePNSehcf3mk9Gc9qWj3HgvX/AO2rCCSS3f8A4+44/wDnnXfQXVp4g02Oe0k8yCT/AJaVYkjjnjrnY7GTwzdT3dpHJJBJ+8ngj/8ARkdYxTjLlm9DSHuLlWxJBJJa3XkSVuwSfJWNfSQa5axz2En7yOrdjqUc8f7yPy5P+WkddFV2jcVKLlsa0cfl/wDxdRvP5n7uo/M/d/u/3lMjj/56VhGKfxF8sh/l0yeCOeP95HU8NSTyeXWft/e5UhOLlszy7xN4Oj0fzLuwj/dyfvJI65bj/npXtc9j58cnmfvI68n8R2P9j6rJB5flxyf6uu+jzR3OXl7kGlaxPo99HPBJ+8SvVNN8aR6xB5c8f/LOvI4467vwrBaXVjH+7SO4j/dyVdSpGXxRuOMraR2PQtHnjn8v/nnHXNeH7ryLe/tP9XHBdyRx/wDXOr9j5lrJ5dZt1J9h8QSf9PUfmVyUlBzlzaJmybjudDYz/vK6GC6/cVy1jJHJW9ax/wDPOolCEXpsVKcUV/EEcc8dpd/vJP7Ou477y44/Mkfy6q+I5rG++NnhfWtC1a1v7qNJI9StbG7jknS0T/lnJH/wOtKSfyLqCP8A5aSV45IG+GH7UVhqJ+Sy1ifzpnk/dxjzy6Of9xJMv/wCtqco8/YdvdUu56Jo/jDRNe+JWv8AjLwjcR6pp+n+H9+swwweRM8ccjyZRH2eY/yR1m6P8XtL8feONZ8Y6Jpt1a3+h+HJJpLK4k4vYI/Mf/0Y6VzHwMkj+H/7UGseGpo1On6hNdabGksf349/nw/99pGn/fys34YK3wx/ak1Lw7JA4026urrSnjkj8zMD/PB/6BBWlOeH5nGe6V9SUqivY6TRfihH8Q9Y13xlDY/2brHhzQ/Pjso5vMS6jj3+Z5j7P+mlN+Ffiq78fx6nqMljBY2E19HIId/7szp/B/6LrivCun3ngH42eIPDaWObXVILuwRJEyn2WT94n/jiV9EeHNDj0fR7S0gjjjggj8uOOOOuLEYmFGEeRbm+Hw/NJSl0Pm7xhceItU8WalcyeE7ecyXEkfnXypIX+esmKx1xmPm+D9J/3UjT/wCLrp/ix4Y8aHx/qcen3M8th+7kjkjmSFPnj+v+/Xmt3pevWskr3Ovwq6feX7bvP86+qwEpyowmjza0f3klJr8bn0N+yjoEc3xcW4ufC/8AZGqaXp097a3SzyCGTf5cDp/c/wBXO9fa0c++P95b/wDbOvin9iLxtFF4+1zRde1yS4mu9PSDSkuJZCjSJJ5jBPyNfayWvmR/u5/Lr5rNlKNa72PRwsVy2ufLf7Y/jbxh4Q8UaFaeDtLvptDk0r7XqMkem+fA8/nyR+XI/l/wJGP++6+cdN/aEa8kkXXvB+g67ER+7jlg27H/AL+X319HfHjxVcf8Le1DT9G+KK+GNesbSCOTRdUg/wBBf93v/wBZJ+737HSvKfG2sfFq3jjk8T+BrHxFaxjKTfZjdxp/tjy3Oz9K6cA5UaUVPRS2uhT5b2S1OXT4h/DnVZhcN4Xm8E6qEPl3+iTl0D/wHy+n/jle9eHdftLrRNNuz4k+JtvBNaRv9u0uP/Qf9X/rP9W/l185wfFbwasnl638MtOA/j+ySeRJ/wCgV9ZfDnXviVoXgzQ49O8L6HrXhV7KCfTo01LyLuC0ePzESTzP9jZXdiG1edNxVvMVtLWuhum659qtYJ9F+N08ccn/ACz8QWkHmf8AkeOOtr+0vGEcH7vWvCPjew/1kkfnxpP/ANs44/3dZuufELwRJfSf8Jn8Nr60kj/dyajfeH47uD/tnJ/rP/IdGkaT8EfFl4l14U1O08PatN+7SS0uHsZ/+2cE/wD8RXDT55J1FByi+zUmVFO/uNW8zodKurGxsfLtLu+tIP8AWR2v2Ty9la2la5YefB5fii+gkkk/1kkH/wBrq3JY+JdHsYI7TVoNWkj/ANXJfQeXvj/7Z1Pa3XiGC+j8/wAJ2t3J/wA8Ptcce+vElGPNe1vU3q80tjak03XdVgg8uTwz4otP+Wkk/wDrH/65+X+7qv8A8I5qdrJJJ/YX9m/u/wDX6Pd/+06gvrHQvL8zUvh7dWkn/PPSo/P/APRfl0yDVfB91PHBYeKNV0KSD939lkkkjjT/AL+R+XWaheV7ktwjueeeLtNjg1LzLv8Atj95/wA/1p5e+uXj8P8AmXUEmk2kE935n7uC6/dxvJ/00/6Z16T4003WYLry5PEMeu2H+sjjn8uOSD/45XJ3Uckcf7yOOT/rhJ+8rsjZbnhYilzT9oo6HJeIfh98Wplm1PVfhxo3hzQ7WNzJe6HqKTvNH/fRPPf/ANk6155491iTwrY/2TpPiC18P3cH7uf9/I93Pv8A+Wn/AEzr05PD/wAO7XXNVvNG8NeJrjVJ08mfxNdXU9pJ5jx/6uBN+yfZs/uVz7fEu08Jva6TdfBvwXrMFx5jw+IfE1pBPdXcf/PSTem9K68LGcqt4K7/AAO2pGEYRcXa5D4M8YSTLpPhrwZ4rm1KSPzLvWfE2v8AmeX5f/PCOOSvTND+I2ha558ek3f9rT2vmeZJHHJHH5n/AF0kry3w08ZsZ9W1ptH+H3gOSST7LPJaSefP+7/5Z2Mf8ElQ+Drv4SaTqD6T4X8VeJdZ1JvmMuoWscNpKf4/ITYjp/wOtKmCjiZu8Hr1WxtHFVKcFaW3c9ng8Y2nkI+pTxwXf/PCOTzNn/TPzKj1LxjYX0Hlxz/u/wDrnXCXWsaTBJ+702O7/wCmkn7us2fxVJ5knkaTB5ddFPJ6O7Vl6nnVM1qTVoy17WOo1zUoLrR7u0tLvUrSeSP93Pa/u9klfJHjG+1221y9s9UM4vLZ/Lka6O92r2vX/HGrabDJO8/2C0/j8uOvmvxd4gn8Ua7dXjO7mR876+gw1P6g+aD93yOai54io+ZaeZZ0qS+utWs/sEsr3yzJLBsbb86elevf8ILqfiu90+68aX8mozLA+yCfzNkP/fuu7+E/wetfCempNcB7rVZPvtGmyP8A65+Z/wDEVZ+L02j+GYdJm1QT6VYzeYiJBaO7u8f8CeZXn4rMXjKnItDvdKUoc0XZGX/wiUGh2KJY69JaQRyR/wCou44P3f8A2z8yvqKxk8yCOT/npHXyF4f+NngG0DadqOo+NNLsZfke90u7g/cj/c8v/wBkr7H021gksbT7JdyXcHlx+XO/+sf/AKaV8XmsqiklJ3t5n0WUxpwvNaNjHqp/wkF3az1pXUEkf/LOua1jzILW7kg/1/lyeX/10/5Z151CD5rM9HHtKlzLc7TTfEEGq/6uTZJ/zzrWjkr5s8HX3jC1k+36taJaR/u5P3c8clfR9jJ59jBP5kckckfmeZHXZWhCDik7pniUajnG+5K2KZ5Ykqan1jynUVI49lT+XUlMqrc5Nk9iOSOo/I+lWKKOWQcxTdPLqPy6uT1H5dRykxgkUJI6gkjq/JHVSSP95XRHlXqYyikUJKqSR1pPUHkeZWPWxpBpboyZIKqSQVrSQfvKqTwV03srM0lFMxZ46ozVsyQ1m3UH/POidRctjH/CYt9H5kcleSeIJPI1KeOvX5/3cdeQePI44NY8yP8A5aR1dOCnG5lKVTlujJnn8ysy6k8ypI56oXV1VO//AC7ZjKbj8WhUf/j4r0rw3PH5cdeXSSf6VHH/AN/K9J0OP/V1hVhKUbM3p/FdHpWlSR+XXovgeT/Rf+WieZd/8s68z0f/AFCV6L4Lk/dx/wDX3HXPH3Y3O+fkezwSfu6fVSOTy6kkkkrGzIJ6Kqed+8pfMrPlZUVce9MkqOSSm0hk3mVXo/jplK4D9/tTNxoqOStOYnmJN9UNb1ux8M6XfarqM6WtjYwSXU8z/wACR1bkk/d+Z/q44/3kklfAH7V37RV38UdXuvC2jMLTwfpd06yYKFtRuUd08/j+Dn5I/wDgf+57GX4Crj62nwrcyqSVONzzD4+fFW4+LnxDvNeuFaO3VPsllE3/ACzt0d9g/WvMW+Y1JI25s1HX6NV5bKjBWitjkimtxlO20fdpetckY20erNBAtLmnLHuqVV+WtqcXzWRDZHtPekbilJoro+zbqBLbQ+c2KvCzSKmW/wAq7KsL8w+evRwtPmjeRx1JO/kM3e1P/h+apVXZ9ymyfLXouajG1rIwuG35aYq7Wp4+Wq801cdrPmew4pvQfLLUO7a1SLRKtazjCpGyZorLQrPHh99MaTC1L92q7fNXNNQpLljubx8yJutSQqPM+am1Pbxbq4qcW2aSdkXiv7uq8ny1P92m/er0rT5Njki7EVvNtarsdw7VWZfmqWHfXVB8y5WTOz1LyxpsprK/8FQRzZ+/VuFvMrovBHK046sruzt8lZV7D5cldBx/cqvcW+6s6lFyjaOppTqcrMBJmibINXIbxWXBqC6tTGcDmqWcV41WrUws9T0eWNRXRfDbpvl+7mtSOKsywk2tWxu3V181Sfvw3OStdOwxk+WjbuWpG+apk2V3U9Y3e5yuVkZOoN8tZLVu6svyisOTFcOYR5VdM9HDu8Ri1eVqrQ9athd1cGFTga1GQN96mVO2xaZ8lb1d9dhJgsVN20nm+1MaWuWpKCjZoaTJlk+WhZF3VCrfLSVPPF7D5S28ymPbVR6QMacFNayqOtHlSGoqJHjNOX5aKbXHZQfNbUsVqQ0LTmqJR9p749hq/NTx8tMpC2KUZqlvuG4sjEVX3bqnY7qixXmYrnnO99Co7CMaFNOIpyrWMacnPcoTFOC0rUq16EKS5rEXEo4oakFU9HYBj1Htp8lRbjXhYmUef3jRDttG2kpcCsY2lsUey/sw6XDfeMr26lTe9rb/ACD/AH+K+sY5PLr50/ZU0vbaazqX8bzR2/8An/vuvofzP3dfMV5SlWmnsZx1k7BJJ5lR0U2qppD+ONmRSf6w0eX5f/LPzKZ+8o8yuib5Y2gZxpKMrkcn36jkkjokkqPzI99YXnzWkXKXL0CSSoJHqSSSqn/LT/lpXXTipyuYTSte5J5lV55P+edPpk8ckn+roqc/QPeK8lMnn8upJPM/551HP+7krX+H773KjJP4gkkqpJJRJ+8qP/V1lJc0uaI9AqCST93UnmVXkpyu42TKknHdjN9RyfvKJP8AWUzzK3dkYRbQyov9XJUkn7uq88n7uopx7i1ewySo/wB3RJJ5kdVJPv8AmUa83KnoFP8AebEk8lV5KseZ5n7yql1V6vZ6GdSMYEf+rjT/AJ51B5n3/Lok8yT93/yzqPy/LkrWk4yly3MJQbI/L8uTzKJJ/Lofy5KhronBR1bugqKXLZI8DakoorjesrntjwTT1pi09a7oX5bshj/Sg9qQdadW8GQFNNOpKbclsA9ZKlWSoB1qwuKqduxnKxLHUyVWX5anTpW6MJFpGwu2pY2x9+qoercM/FWqkY/Ejlkht1HvjrCmTa+3Fb+75Kyrxfm3VyTSk+ZG1CTTsUl6UySnUlZTXkegRrUi9qYKkqabvp1Gy/p77WrQuaybNvnrTkrqfO3y9Dz6qtO5BRTaetXTUublAmjqwi/LVRWq3C3yVtJrsc8y7HW3psmyeOsCFf3ma1NOm/eVg5OJhGSgz3m1sfMgjk8ujyZI5Kn8OT+fptp/1zrSdPMrlUuXc6ZWk7JlGOST/lpHT5J/Lkqx5HlyVX8uPzK2uqj20MI3W7JI4456jfTpP+WdW49N8z94lSR3X2eTy5I6J04VFyRZXqVI554KtwX3mR/vK00jjuo/+WdVLrQ/L/eR/wCrrH+HHlZrF+yHx/vP3lW/LrF8ue1jqxBqvmf6yiUeYylLm3Nm1q/srNtbqOSrf2iuaou2xpTlfbQknTzI6xdSjrWkn8v/AKaf9c6gnt/M/wBXWVONPZ7kyhyyumJYz+XHWl5/mf8AXSsaCOSCStq1njpyi4/vOh00mn8RBPvqOO6q3JH5lUPsMnn+ZWcZRqyszKab6mnB5kkdJJJ5dSWsknl+XU/2HzJK15VT16G/s1GN76kEHmTyfvK1rXy46ILVI/8AlnUnk1nzKpsVTgy3HJVeedKgkk8iq8EEk8/7yueKvK0ipKxYtbWS+n3/AOrjq/Ja+XH+7p8f+ix1BPJ5lK8py5bDhHsUL6OOeDy5P3kdcZdfB3SdYnknkjkj/wCefl/wV6THax/8tKkkkjjjqpKcY8qCafU8nk8Aa14Zjk+yT/21af8APOeTy50/+OVmx6xaXUkkHmfvI/8AWR16pP8Av6zZ/Dmm30nn3dhBPP8A89JI/wB5Spu+k9WYJOOyPH77wzBJdfa7Cd7C7/56R/x1YtZ7vy/Lv4/Lk/56R/x16bJ4D03/AJYRyRyf9dKqSeA5P+Wc/mf9M5I60hOFuW+guSfNaxwHn3djJ+7/AHkFa1jqsd1H5lbUmhz2snlyQVi33h/995kH7ieqpTa32D949kX4/wB5/q6JIP3dYsN9JYz+Rdx+XJW15/7vzK7Jq8oSWwo1Iy2JI/8AWV578UNN8xI54/8AlnXoVvJ/3xWT4m0f+2LGSNP9ZHROT5yZ/DZnkdjJWto91JY6rHP/AKuOT/WVBptj5NxPHPH5ckf8FW49j+ZH/wAtErq9rfVLQ56PvK8mkj02+n8yCC+8z/V/frmvF0nlz6bqUf8Aq45PLeoPDOq74Z9Nu/3kcn+r8yo77Sp7XTZ4JP3lh/rIPM/grklOz5raG9R82r2Ol0q68zy/+mlbMepSWslcZ4RuvMgjjk/1kcldndQfuPMp315uhaV9i/fWv266sJ4I/L8ul8W/DDRvH11pV9fSTwXWnb9jwSf6zf5davh/y54K2vsv/TSvNxM+WNkzso05Rqe/qjOuPBfh2Xxkvik6XCdeaRLgahn5xIkflpWf4xvtJtfEEF/HpMd3q37v95HH+/8A3f8Aq/3ldDJa+ZB+7kqCOCOCTzP+W/8Az0ryI80tnc9utOjCN9jx/wAQeONak+IWk+f4akjn1KT7JHdSR/vEj8z95/yzr2e1tZI4I4/LrltVgtL7xBpt/fzxwfZZJJPMnkrtIH/791116cuWKktjnoyhV1i7I8D/AGkvh3b6xrWi6zd6vHpEBg+ySSTn5fk8x0wn/ff8dePN4Q8GWckqXnima4CN8n2e1Kb/AP0Ovp34++F4PF/w11FJ2+zHTv8AiYx3P7z5Nn3/AN3/ANc99fIxj8LWuBLq15fD/p2tdn/odfXZJiI1aLpye3meHmEHGraDdvJGjcXXhrwvfWGreHr27u9QsZ0nRblQE3oQU/lX6R/BfxtpvxS8C6VrGnO8aXX7uSN/4JP+Wkdfl+LGLVpZBolnJMi9pn+evtf9kOSLSPh/Do2seZYzQSSXb5+4kbyVtmFGnUgk1qhYV8l4tu77nhXxX1r4Z+Kviz4z/wCEis/EGlajFrFxbS3mmzRz/atkhTzJBJ9zp9xKb4X0vxLotrN/wrL4i2+o2EnCaVdfubp3z90QOjpn/b+TNQXXxJ+EfxJnnm8Q+D7vwvq1zIzNqGkzmRMnne4+v/TN6zIfgz4V8UzhvB/xDsnuV/1drraeQ5f2P3z/AN+66KeHlSpQbh807/gU4uUrFrXPir8TdFSWHxP4X+124+Sd7uxfY/8AwNPkr6F8N/C/x1/YGk3/AIX+JM9jbvaRyR6bJB+4tfMj/wBR/Gn7v/rnXiNx4L+PXgDT4vst895pnkYSVbuC4gRP7n76voDw58GdCk8ufw9471y0nn/ef8S3Uo498n/XCuXE1K0KadF3T7JDdNcyjb8R1r4g+PXhW1S3u9J8NeL49nlyG1u3gnf/AIH+7j/8crm9U8ffD/VBcR+PPhRf+HNQeSSN7hdM3GT/ALb7IH/8cr0C48O/FDQI3fSfF8HiGPf8lrrFpBH+7/66Rx+ZJ/38qe6+JXxC8Px+XrXgH7Xpsn7uSfQ9S8+T/vx+8krjoVPZxXMotL/tx/gRKnJfC2vx/MoeA9D0XTdDtJPB/iX+zdJk/fwQXUn3PM/66V3dj/wlk91B9g1bSr+SP/V+Z/8Au656x1LwZqVjBJd6LJpMkn+sgurHyJEq3a+C/BmsSRxx3ccfn/8APCeuGpP2v2Xf7zeMFHZr8jt5PEHxC0qOD7X4a0rUv+ekmnXfkf8AoyoNR8eabPBJH4l8NX0cEf8ArJLqx8+NKqf8Kd1rQ0jk8PeM9V03y/uQSR/u/wDgf/LOT/v3UEdj8W9Dj8yPUtN1by/+Wc/l/wDxuOT/AMiVyctJ/E9fNf5GM5VOi/G6OH8VT/Dm+ktJPC8nl3cfmSSQeXPH/wBtI/MrJjjjm/5bxx/9tKv/ABC8aeIdYngsPEPhqCwkj/eefHXLwWNhO8cf2CT/AK5pHXpU8OnHmjsfP1683UslY3fFXjHSfD8Edp4w8WXWmyX1j/oMem2Mkmz95+7kkk8uSvBPG+m21rfRXdjYrdz6jJHHY/bnk+16o/8AceD+BP8Abr3vT/hx8cNH+3p4c1HwbYaFOxkj03V2nnfb2EkiQ/f/ANjfsritc+FPiTxT4i1zUtb8eaH4TntbXyNS1qSA/akTy/M8hI38tPL/AOmnmVhRlGE/3bdz3o0puEZTtocDN8L/AAPo9zcar8bviTcQeILq2+0QaB4ePnXEH/TB5vJeNDzs8v5E/wBus/wj4j+GFjfef4c+HnijU5I5Hhj1a+nkc/8AA/Lfy/8AxytNtd/Zu+GumvDoeial8S9eWHzItR1RJI7V3/uOj+Xj/vw/+/WRD8fvH3j67trTSbY6X4cgwjadpdiJoIP+B7Pkr2qOHlUjeS+cn+iMpyVOLurnfT+I47r93HoscH/TSSsLxF4sk0WyeeZ0tU/vh6xdc167sod99dyH/frzDVZL3xbeSGFHn2Jv2f3Er3YQVCGrR897b6y9bpHPeMvGmo+LLza88xt0+QRu+az7O1by/l+R/wC9U7IkbfL96nrHv/1r7Iq7aFF1o3evoey5pQUYqyPt3wrpXjPxpoejSeH7C1jj+wwSR+Jtfvv3+z+/HBsk/efx/wC3Uvjzw/rnwi8G3vivxdq+n/EtrWSOOGy1TSY4YYHkk/1kf3/3n+3srg/gLceMPiJ4BuY9O+JGoeHtO0SePTo7GOCN3SMx/u/n+R/+en/furfxDk1n4Zad9o8V6zd/Ey0vp/Ij0rUk2J5n+55j18njqVKhipr2qv25f1OnX2SSi/Uo+GP2j08c+I9L8O/8IBoMcOqTeR50MoGxM79/+p/2K940O6jjk8jzPL/6Z+ZXlf7Ovib+2LLVru78IaN4btPM8uBLGx8idP8Afr2KfStN1KPz7Sf/AEiP/lnXy2MnCpP3YJI+kwEPZ0uabZpyTzxx1hX19STyXdjH5cn+rrJnvvO/1kdZ0IxMswq3ja90MvrqD7LJH/rP+mdei+AL6O+8I6a8cnmR+X5deST30Ed9HBJ+7eT/AJZ16L4H8QW8ccdhJJH/ANM5K0r/AA3PKwcGo88djuKKfUkcdcp2SfMR+X5lHl+XVjfVeSnYcVOIeXTKk3UlZ83c0j7oyT56j2U/y6PLq5SUvhHL3SCSOoJIKvSVUk8zzKOWa3MblSSOqkkeytPy/wB5VeSDzKrlZEL9zJkj/eVBJHWlPa+XVGeOqk7m/MihPHWTdR1u3UfmVk3UdRF3+IzleWyMa+tfMjrxj4oQfYZ4H/7Z17dffcryf4v6b9q0fz/+eEnmeXXoRqJ+4Y1E1G6PLvM8uPzKqXX7z/tnR5lUbiTzKfs3CV0cUnzK72IPP8yeP/rpXq+h/vI468cnfy5K9n8P/JBH/wBNI6Vdxtyrc7aUn1R32hp5kdem+B4/9Fj/AOv6P/0XXl+jyeR5dem+Dp/LgtPL/wCWk9ebZQqeR23PVKkkkqvHJ+7qSuKUnJj5USSVH5nmUUzfV8w/QN9P8yoJKPMqd9gJKN9RySUeZTjaW6IknIJJKjorg/jX8TIPhF8NtU8RPJAL4p5GnQzj/XXX8CeX/wCRP+2dbUYOtUjTitWKU1FXZ4/+2d8dH8KaD/wg2iXSprGqR/8AEykEf7yC17RpJ/00r4U1Cb5EQVoeINd1HxFrV9rOr3Ul9qV9I89zcydZHrAmkMjV+o4ajHAUFShu9/M83+LPnY3dmkJo20baUnKS8zoD71L0poqWNd1OD+8TBVob5as+Rt/iqKRea7vZr7JkpXZC1SQLuao2Bq/bwbVrKKk6lktRzlyofH9wVYh/3KhVKsW9fRxk46JWRxTeg8LuqaOPd9+kqPzdtaKLe6OfV7A21KglXdSs26m+bQ6sOprFNDfu09fmqNqh8x0rjlJc1loacvMSSfJVGRt7ZqxJcZqItu/2a5px/mN4JrclSGrcMFVY961bh+/VxVOL02MptislRVoTbPKrMm+9XZVm1tsZQfML5eHq5a8VVXtVi3rKnJc10gnqi2qo1ShUVarRxutTCOvUjyS3OSXqO2slQtNu/wBipKqy/LSclAcVd6iNEkyVm3tp5Tbl6Vor92mN7152IaqR5bXOqEnFmNC5hk3Vr2d1urOuYfKbFS6e+2SvPpOWGly30OqolOPMba/cNG7atRq3y0f53V7sLqGqPMsVtUjZlG3mscQuzfdroWVZqqzLtrhxOHdRKTdrHXSqcq5SisW1Kevenfeo27Wrl9i/d8ja/cglWq7dat3H3RVVvvGsqhrHYZupKdupua82fmzUkXinNt21BuNPGK09op+4thWEWp4/mU1GF3VMnyrXRGM4qyJkyBmplSSVHiuarzS3LQdKcDmm8U7ApQ5u+gDid1RNS03BrGrLmVrDQwmlUZqURmkKVzuhNe+0VdDNtFLzSUrdkAoGadQopG+WuhRUY8zEAoam0Vl7TS1gGOwpnFDUi818/UqKU9TXoOxiiiinU290D6x/ZvtUT4d20iJkvO7yf99//a69arz34JQpb/D/AEdE5MkKSV6D5lfNRalJtdRxXu3CSo99Eknmfu6ZJWtkt2YVZcsbrUST95VSSTZVj/WVXkk8yStY04yla5jGSe4yP/VmiOiST95R5lROznoXHmfxbEckn7yoP9ZU/wDrKqRyVdn0ZrGKiSP/AKuq/wBook/eeZ/zzqCT93WspNdDGU4y2I5JKJP3lJUMn/XSnOK5NQjSUfiI5I6Z5nmU/fUHmeXWUdSbP7LCT7lQT/vI6fJJVenyvaL18x2GUyT93T5Kgk/eSUU4Ta5U7MUpOPQjkk8ymeZHJRJ/z0qOST93Wih715amEpPqR+ZH/q6ZJ/1zp8kf7uoI5JErbk0vJaFRvJWTDzKgk/1hp/mVBJJ+8ojHlVzOV4/FqElULuTzKkn+/UEkkn/LSuiFrXsDk5boZSeZRJUFXFOUtNyzwvbSbqXbRtrks+h6oopy1HS804zaFYmpajWpBXXGomQLuo3UlLW1/IkclPiWo6lV9lN67aEMf/FT1b3qPzadu/2q6te5mywjVYjlqmtP3VlNw+AxlG5oxbKiurfctQQ3W2rok88VrPl9mczUoO5gPB5b7ajPFa11Z76oyWjLXCnK1mehCopdSlmnLTtlG3vRTv1Oi5Ytf9YKvt92syJtrVdl/wBXW91HdHJUjqhpkWmLcGo6dH81a7baFcqSLSvV23aqEPWr9q1XTh7WV72OSpsW0ytXrGY+emyqqwll5qW3ys1TUi4Ssm2cLkrXPevBc8cnh+0krpI/3klcT8NbqObQ5I/+ecldtHXBifZe0s00dVOcdPMkk/d+ZUcdr/y0q/BH5kdE/wDx71lGXN7q2KXI5WZBa3VXvsMd1H+8rKh+/XQ6bTjKUTDlk/hKEej+R/q/Mq3DJJB+7k/1dbPk0yS1qIuUpXZvOnJw3uUJ7WPyPM8uqEdjBP8A6uPy66HyPk8usLVbGex/eQf6utG+ZWZnTo8m+pBPYyQf6uo7fUpI5PLnqe11XzP9ZVueSC6jqpxqx6CUpPbQIZo5JKt+X5lZKWv7z93JV+PfHXMo32VjeF+xY+yU/wD1FEd15lTx/v6zi5rfUuUlGVkFrcRyVf8AIjkj8yqEcHlyVpwR1lKVxxUuhUjkkjkq3BP+8oukjjjqvB+8kreVXmjy3Fa2j3NOO7jojupLqP8A1fl/9dKfHDHJViSOOCOueSnS2L5veuUJIKkjkjgjqv5/nyVbsbXzP3klVTXfc0lLm2COOS4/651bjtY4KJ5/IjqpJJJJU80uoRfLKxbnvo/L8uOqM8/mf8tKf9ld6sQaVJJ/zzrT7Ni5alTzNlR/PI9a39jyeZ/z0qeCx8j/AJZ1zQuZSvLpqUbWxq9HHHHHViSCeT/lnUf2V/4/3dXTlHqayXKUJ4/+edUZ/CtpffvJ4/3n/TOStmSB0pfInkj/ANXVzkiIJ/ZZxeq+A4L7935n7v8A20rnp/COtaPJH5ccd/aeX+8kj/1iV6jHHP5nlyR0/wCeiNZS+F6Exgo+p5A/mR/u5I5IJP8AnnJH5dQWN15l9JBJXpviDQ49Yj/efu5/+elcJfeD9S0qeO7k8ieCP/nn/rK0lW9po3ZmEqblr0OM8XaP9l1KO7jjj2Sfu5Kwfsvl3X/TOSu/1iD+0rXy64+CPzLWSOePy54JPLk8yuinGSV5O6Jioyjyog1XSpLWP7faf8sP3kkddfofl+LvCsnl/u5/+Wdc9BHJqsclpB+8k8v/AFdHw9vpNK1Ke0k/dzp/rI6dS8L07asuC9nFxezKNj5mj65JBJ+78uTy5I677WLry/DM8/8Azz8uT/yJXPfEbR/Luk1qP93B5flzp/7UqO1uvt3hW/tJP9Z5fl1pRakuV7mUGoSsdZ4c1SOeOOSOT/WV3drP5kdeFeCtV8if7JJ/yzr1/wAOX3nyeXWeIw6U7pXR1QrGtJ+4kqhPJJ5laeq/u46xbqOSTSp/Lk8uST/VyVzwhrZLU58RT5t2cP4m+MPgbwl4mMHieBtZt7e0d005YRN58/8Ayz8z/lnXpXh/xdB4q0O01aOwn0mO6TzI7Wf/AFiVwlr8UNJ+Al0trpPhSbX/ABXrcfmQ2tkfLkePzJN/z+XJ/wA8/wDV0/Q9Q8XePln1LxdCng4XTi4tLKB98jwY+QP5kn3/APrp/wB+6xrw69D08E3GPLsbHxE8WaNpfhfVRqs6S2slrJHPGP8Alp+7/wBXXxBb6npU2tPc3Vg6aa7uRa2j7XjH8IDEc4r6z1D4S+ENTl2a5JqWup/yzkurv/43sr5x8SeCdAtdX1GPS9dhEEc0kccM6H5MPgJv74/v16GTJczXLuPHcsWpT0uenfs5/Bew8b+OINbtNXZvDOkzxyXkbJ5d1JJzIkGP7j7Pv19BfETSr3w5eaxceEbeE3uo6c8EOPuQPs+//wC1Kv8A7JOg22j/ALPejG28mf7bd3dzezQ/Pum8zy8b/wDrnHHWP+1NothdeB4bY6jBok11eR2trNP/AKsz/wCsQf8ATP7n+srHFV54jFNJaI5fZ2hzLVngPiTxd4i0eOZPiR8MLXXodiJJrBt/KkKf9d0Tj/gBSuX1q0+DnipRLo91rXg67PJhuoRc2g/3Rvdx/wADeur0nxx8Zfh/MPNg/wCEpspF/wBW0YvAB/2z/eJ+lU5vih8NfFF1Injv4e/2VqIX/j70nzI3z/tp5kf6769+Maip+9Z+Xwsy9Ct4F8D6z4V8TaNcv4j0/UfBxuo/7Sjsb95I3td48xHT/czX0N/wp34XeMJ45NCv4LC7k/fxyaVfR+f/AORPMrxTw1pvw2svFem+IfA7X/iee38xrjwtfW758sxun/POTf8Af/269D/4TT4T6kXs/EnhB/C13J/rIJNNkjf/AMc+f/yHW8qNWooqKd35i9pH4ZLTzR2d38KfiV4dkjk8J/EnVNSgk/5ddfn3xx/9M/3nmR/+Q0pn/CwvjH4Ng/4n3w9tddgg+SO60af9/P8A9NNke/8A9FpVfR/CPg+6j/4pf4saloUif6u1jvo40j/7ZyeXJ/5ErpbXTfijo/7+w8S6V4w03/V+fqUfl/8AoiP/ANqV5laOIowl9YvZfzR/Xf8AEen2dPRmtpvxUsLqxj/tbw9qWmzyf6y1kg8z/wBGeX/6Lq3Y+JvAl1/x92EdpB5nlySSWP8A8bok8QatH/x/+HpJP+uEnmU+x8R+GvtXma14XvpIP+Wnn6bHPH/37ryYulPaCT8nYJRq81+ay80a2k6H8Np5JJNC13+yfP8A+WcE/kfvP+enlz1tSeFdatbXzNC8d3U/+xPHHdpXPWv/AAqDxVBJHHaWtpJJ+7/eQSWmz/tp/q6P+FEeGtVvvP0XWpIJI/8AnhPHOiR/+jP/ACJWbjG0lKMlb5lqUpR5dH+BheMZPENrfRx6l9hu544P3k8H+reuWgtbTVbry9S12Tw1af8ALTUrWeOCSD/ppHJJ/q/+uldT488P3eh6x9kn12fUo0jj/eT/AOsrk5rHwvMmzxR5E+kv8l3HJO8HmR/76SJJXZhopw927PCq0/3+qt8y7feEdE+x7tH/AGu9csrlTmP+1PG1rfQ/8Dh89K86+NXgyzufDNrrni34w2vxT0yzk2rZ6RY2Ud0/rsmgnk/8frK8WXX7MNrMbbSPDdvPc5xshutUkP8A335+yvK7jWLPw54ibUfAelTeErmMyQx3STyXW9P9x99ezQw0acOaKafm/wBD2K0oddzas9a8IadDbxeGvg/faxqWMJqHia5kkT7/AHgAEZ/8cqt40+J/jqXUhY6jrcln5fXSdPhSCC2/2Mfx/wDA64XWpPEGrf8AIV168uP9hvkqXwLGtpqjQRWv2ue6/cRu7/crqjH3dFZ/16nBWkmvdkatrpuq+ONS/fzeSn/LSeRPuV7B4Q8E2um6XJDCkhST93J/03q9o/gv+zfIguP3l3/y0SP/AJ6f8869F0nw5q0Ecfl2kEHl/wCrkknrkdbl1erPNdGXL723Y+KvEGlzabrmoWhTyTBO8ex/neqB2x/e+evX/wBoLwfNovjJNQvryNlvocv5f8Dj5MV5hL/Zlv8AxebX3GCbnh04O1zeNTRKzPb/AIC+E9Qu/A95rmmeM7rwppc988E9rBaed50kY+R9/wD20qPW9U+KCXUd34Xtdc12Oxnd49Skj8yd/wDY8uTfJXTfDn4ZlfhjZas2u3SNdJJd6doccieRJJs+T/tpS+CfBPx70zxHpd7fyXNtoZk8y6Bv7WdFj9o8v/44K+MzOuueXM3p1toezh47Ll38z1zw5JrX/CP6bJ4h/ea1JaRyXf8A108v95W1BOkcn/POrcepXd1HGl/HH5n/AEzjqOexgnj/AOedfnFSTqPU+2jGVKnoihfXXlyVzfiDXLTR7WSef93HVvUZPsPmefP+7jryqxnn+KnjHz4I/wDimtN8z95J/wAvUlezhqaox5pK6Pj8bU9pU1ZJptrqfiPWLC/kkjg+1SSRwRyV6bdfb9D0qeeCw/tKeCP93B5nl764H4y/2lo/gfSZ9J/cXdrqXmPdx+X8kflyf+1Nn/fuus+HPiC/1zwzaT6ldx393/q5J44/Lq4044hSqS2XQ61WUf3cVY9N8AfFDSfE08mm/a4I9Wtf3b2sn7uT/wAiV33mV45a+H7D+0v7WSwgj1Ly/I+1Rx/vPLrt9D8R+ZPBaXcn7yT/AFclc1aDXwRNPaI7D/WVHJRHR5m+uTmNY+8FEcdSRx1PHHTi1InlIPLpKsSR1HJHTjaPUU2MkjqvJHVuSOmeXVxmkLkRX8umSR1bkjqvJTsTYzXqhcRx1rzQ1Qng8yo9wU5MxZI6oXUdbU8FUJIK3i7ax2J5jnrqDzK86+JsHmeH7uP/AKZ16hfR1578RrXzNDu/+udOhdyuhVVzR8z5tn8yP935lULuerF1J+8rMup69blvstTghKFuXqQST+XJH5le46PH5cCR/wDPOOvn+eT95XvNjPJ5Ef8A1zrzq/vSs9DSk+aVzu9Hn/d16b4L/wBRBJ/zzn/9p15Ho8/7uvXPh7/x4weZ/wAtJ64pe7KzPT5dOY9Yjk/d0eZVeOpPMri5TUk8yo/Mo8ymUPQB/mUUyiqk1HZAPpsnSopJKo6xrdj4d0e61LUruCx021TfPdTfcRKqnTlVdo7mcvd3L0l1HBG8kkkcEEcfmSTySeXGkf8Az0r88v2ovjgPjN4ygsdNjCeGtBknhsZCPnuWfG+d+e+z5PQfWtj9or9qW4+J1vP4b8OCbTvDHmfPPJ8k18n+2n8Cfx4r543eWlfoeW5X9StXxC957LsebWqOeiKt9J822qTVIx3UhGK9ep+81WxrFcqsNU0/GaYMNU0a1nSfu2eqGxVi/vULtpy/NT1XbXRTpeRm2IfmWoT8ppzfK1I7bq0lePUFoOt1zIK1I1qhax7nFaEddeHSg+foc9Z6j0io3pC1M3baPK3LXoQqxnpbU5/Ue8qMvyVXb5zT1g+brTvs9aSrSlG1ilaJHTd3zVJNVXdWNSm+XmRcVcsNVdmpputtDTq1c7q/ys0UWiH+KnL9+o2k3NRurmjyxUnfVm1izG3z1aC1Vt1q633K66cb09DmnvoMd6h87d/HTLh/lqn1asqkvZvQuMLo0k2Vdt1rOhrQt3fZXTh4tT9pLYwqLQu/eqKV9tJ5u2q8zbmrvlaL5rnLGOpYRmWqV1K1SxXG2qeoNXHOpzbG9OPvDobretNeqEcmxqtfLK9cUatzqcOVj1XdTUj2z1NE22ms372t7cz5p7E3eqL0c/lrVnf51ZQn3Olacau0P9yuqnWjKPLE46keWzA1QuG+erMjPVK4+dqqpe9pRLprUjprNSbqGZa8+tp7kTrsRzNUO3dUkjbaa0m6uLnitzaOxCwphWrBjNN8k1hUpKWxakiLFKDSsuKFXNZxi4ysih4OelK2+m1Mq7lrplN7OVjNuxDuPrTN1ONL5dZVLl6DPu0feo3UbqnTvoMVs1JDD5tRbs1ct/u04KMpcq2Ik2kRSLtOKgZauXFVya7atJWs9BRehDnFH3qexFNxmvJlHllyrU1CkOKWmt1qaj5Y3AUmoy1OHSo3rhrVHy3KQwmim05RXga1JWTNR1IaWrNjam+vre3HWV1T8+K6ZNxhoiXpqfavw3sv7P8ABOhQ/wDLRLGAyf8AfuOul8yqem/u7WCP/nnHVv8Agr5mHvMw5vMXzKhpsc9Ecn/PSuuVNR6lxtLcPM/d1BJT5JKZ5nmVlDkHePNa2hHJUf8Aq46WSTZJUT1cZxlPRES5HK60Fkk+Sq8lSeZUbyVv7SDh7o6nvOyGf6uq8lLPJ+8qN3rKCjybkyXLGxHPJUdSSeXJUEkdaQc72C2lyOSSoP46fP8Au46g/wBXRpGV07mVryskSRyfPVfzKI3/AOelEj1rGNpX6Fc66DPM8yOoKe9QST+XUc8eiD3VuNqHyP3n+so/1lG9KdN1HsLmV+Z7DPMqv5n7ylk8uOSo/wDWV2ufLT11ZhUnH7DI46jknjqSaqj/APPSs5Rb5ebZkRclC71RHJJ5knmeZ5dMkeieT/lnHVfzPLrSULBTlfbYN9M/1kdHmRyR0eZTlCUdmKSurnhpplFFcsn2PaFzSgUm2jcaqKUfiEOwaOaWlGK6Ywi5WWggqRajqRa6Iz5I2IYtFJRWlOS36Ek6tT2VT9yoUan7quU1GNzNp3LMUWFp3So46kk601FOPN1MHuR7quQ3W2qrLRH61z89uopJSRpeYrLVO427Wp0Um2mXH7ytJRclfoZRjysymphqSZdpxSR1lFpxtY9JbAn3hWgz7oqz+asK/wAtVZmU1fUJJN1NU0M26o6drRtMaWheib5at27Vmw9atw1rTb6M5qkTbt/u0zzzG+KbZzeZ8lPuF2zVrLmi+Znm2tJpnqPwhuvMS/g/65yV6xa/6uvEvg3Nv16SP++le2wSeX+7rGvD2jslc2hGMY3Zbjj/AHdR3W+SOrcP3KZJH+8ryKkqlP3ehXK6kbooWtdDYyeXHWbHB5klaUH7uut/DaGrHCLL/wBukjqu99+8o8vzI6Z9krmhJLSe5q9Ph1J47rzKkkn8yOsmePy6ntZ/MjrV3lug9pKnG5HdaPBdfvP9XJ/0zqpHo88f+rkjkrTknkqOOOR56xqVpc3LB6HLTV5cy2MmfTdSg/1cEkn/AE0jqOC61a1/19pP5f8A1zr0LTYJPL+5Vi6tf3dFPESnFp9DtlC0bxZxdrqsc0f7yPy617WSCT/lpT7rw/BdSSfu/Lk/56R1Qn8Izx/6i7/7+VVO/LzWsjKldfEjejjq35fyVk2NrdwR/v5PMrSgnkjrnq2cou+x088eiI7qDzIKqWv7uStZ4/Mqr9l/0jzK0lFS16FN8xajkqCeSSeTZ/yzq3HBHUknlwf8s6xnN/AE4sIII4I/3lR3V1/yzjpkl159R+W8jiqqNcvNbUzs+4f79W4/Mj/eU+Ox8v8A1lEkFYX93me5pfsM86rUE/8A0zpkEFX4IPLq4vljzMJRcgjkenxySR1JJJHB/wAtKoSX0f8Ayz/1lZRqSl8MRcs1uW/Po8/zKo+ZJJU8daRTfTUuw+rHmR+XUcHmf8s46tx2v7v95Wc5L7SG+ZbFSSeTzKZ+8k/grW/s2P8A550R2tEYRfQI3kZP2V5Kjk02Ty62nTy6rySfvPLreHxWFb3bGF/YdpJ/rLSOT/tnXCeOPAnmeZd6baSSSSR+XJBHXrH2dP8AnpS/2b5kf7uSocp1J6aGXIr2ufHWkXniPwv8RIjqukSaVp1wkkcKzzJPj/v3XT65ps/h/wAVT3/37Sf/AFcn9yvbviV4Ag8VeH5/+WF/B+8tJ/L8zZXjnhXxHJrljPpmrQRx38H+sjrrp1nON29YilBpWudRpU8es6VJBJ+8jkj8uvJPPn8F+ILvQp/MSD/lhJJ/zzr0nSrX+yp/3cn7v/nnUHxN8HR+LtKju4/+P+1j/dyVrTrx5r2OeUZSOEg/c6l5lei+HNVkgkj8uvINK1J4JPsl/wDu50/56V2ej33+r/eV3O03dMzpwVrHsl1dfaoJJK0vD9j/AGrJHH+7j/66Vy2m3Xn2Mcla2j6lJazx+XXlVF71kdkYqWj2O3njfQ5LCCOSOCOOOR/3n8deH658QdG8aePLpNKmkuv7OsIIJp0/1fn+ZJ5n/slUv21dSXUvhz4fib/WQ6pg/wDfh684/Z78WLbyXHhHS/Bya1eaoommvIX/AH6bM/8AkP8Az/HXTRw8a9KV90dPtI05WjseieLpI4PDOrT2mreZdx2kkkdrHH/y08v/AFdfKdvprNGBLYXe/wDvLG9fX3ibwPBPpsn2S0kjn/55+XJJXh03hHxvHI8cl9Ohj/6ZeW9VgbUZXb/UzxlVzty9Dq/2Wf2ij8G9bbw1rEbHwlqE5nl8yD57adxGnm/7n7tPyr2r9qb4Z6p8UPAdvqXhWyTVGgu/tSWsb5keDy5P3if89K+Rdd8P67cK9te3ElwI/wCCY16r+zx8SPH/AIN1R9KsrqGbTLVN6Wl9+8H+4n+xXpV6dPEtVYu0l12OeniFKFmeCeHfFHiHwzvm0S+v7BJOHa1d1Vvriu7tf2gvEE1ukGv6XoviyKP/AFf9r2CSbP8AvjFdld+E/BPhqy2anpXia4kkkd9ml+X5cdeX6xo/gjUNUf8As/Wta0uz9dUtI5pP/IcldGHnVqRacVK3oUpKT1Vj2b4U/Eq1vPE0eoeFvDGi+FtbgtTDPMs5jgukfZ8nlpH/AH0r2XVfihd3Ub2HjPwCmpaTJH5kd1aT/boH/wC2fl18iafo+g+HiLuy12PWrNx5b7oPInhk/wCuPmfc/wBuvUfCXxauPD6f6LqqTwf889++rlT53GKik10Zm5cr96Wh3rz/AAA8UXBWSC50G+eTZJAkN1GUk+ib4Erf8J/BPwuupQan4M8aTwXEc+/ZDJBOj/8ATPZH5dUP+E/tPEGlR3Gu+HrXWo9m/wD5Zz7/APv5Vix8O/CvxJrFpJBo0Gi38P7xPMjng2f9s/8AV/8AfuuWrVrLVuS9JK33CilfWzX4/eemR+HPFkH7yDxD9r/67x+XXQ6Prnj7w5+8g0K112P/AJ6R3fl/5/791ydr4fktbf8A4lviG6jj/wCunmR1vaPP47sbX/RLuxv4/wDnpdR+XJXi1V73Nz29Udjirfu07+pb1z4qefJ/xVngG6kjj/5b+X9rj/8AIkccdUP+Em+F0k/2+CO60m7j/wCWlrBJHs/7Z1rQfErxZpX7zUvBkkkcf7uSexu/Mk/66eX+8rN1j4zeD45JJNS0K+gu445PL+3WMH/xypjSlW+CKb8medUdSMNJP5o818VeI9Cgku9S/f3f/LOOS6++/wDzzrwzUPGuteL7qeTSfh/q/iCxR9m/TrGR4/8AyHHVn4ofEb/hNNVu5I447S0knkk8uCSur+H/AMYPGPhXweqaP4KOq+FbWd5Jrrfsf/ppsT+OvYtOhT9xKMvM8/C+/U/fO55rd+GfFXiP7Ppkvwt17w/b3k8cL6pdabPstkeQfP8A6tP1ftVi8+Afw1spGhu/jnaCZDseOLRXn2/98TGva2/bZ8F6e0Esdnrn2r/WeSlrGNkn/fyvmGPSYvG3iDW/ElxYX+h+HLq5urqG6ttOMlvD8+/y+ycDj8KccPUjLmxE1b+67f5nqyly600aF58N/hbp6uYfilqGqt2Fr4cmh/8ARj12vwtsPB8kc1j4evdX1C/87zHa8tY0GK5jw38JND1qxvte1HWLzTvC8N19ktZpgiT3Unl7+9fRPg+JfDfh2DTvDFjBo2nf6zzEkk8x/wDppJ5n/LSrqqnTj7ifq2c1aftafLL/AIJa0fw5qUkcbxxxwR/9NJPLkrW/4RWOP95f6tHH/wBc5PMqeDSYL7/j/v767n/6Zx+ZWla+H9Njj/d2kk//AF0j8uvO9s4yu3oY08JDltJX+Z5D8evCOh33gd7iHVpLi8spI5vL2fJ5f+rf/wBDr5pRbC3b72+vurxN4TTVvDOq2NnpUEVxe2klrHJN9yPfH5deN6b+yfO8W/VNftbV/wDnna2vn/8Aj/mR17eAzijRTjVVn08wlgqyaUdmVPgxa/C+z8M2vivxTqbQ6vazvD9hEM++DZ9x/wB2nz70rU8B/CW78P8Aj2x8bR6yDB5k5jTy5PMnjeP5PPkrvfBfwT8J+Do/M+wR6tf/APP9fR+ZJ/2zT/Vx127+XJJ5dedjsaq8m6Seu93p9x6lKnOCStaxfgkuJI/9L8uST/rn5dZOq6xYR/u/tcccn/POo7rQ7ueP9xqU9pH/AM8465ef4XwXc8kkl/dySSf8tPMjr5qOGpylfWx7VTGT9jbqcf4q+1/EDxBH4asJJE03zP8AiZXUcfmf9s69CS1tPBfhXyNNgREtYNkCf+gVJa6VoXw50B57ueO0sbVPMd55P/IlfOuofF65+MXjKO306Oe3021njksbRI/MeR03/vH/ALlejTi53vsjxacYwfNM9i8UW+q+Kvhhdf2dBaz6r9l8yS1uh8jvXz9aeNPGHgf/AIlvmSaZI/7yT5K958P6lHo8cf2vzIIP+Wn7uuC+GPgrxJ4xu/Ek9vc6PrfkXr/PdfvNnzvJIj/u9nmfcqMJU9jKbb0NMVLn1puzM/w5408d+IJ447HxDdT3Hmf6iSTy4/8AtpXrHhHXPFknlwX9hdR38cn7yfyP3f8A38r0nw58Mo7WP/kG2umxyf6yOCOOultfCNpa/wDLOSST/ppJUVMbOfTQ0p05Qjdu5P4Z1W71Wx8yePy5I5PLrqIIag03SvIj/wCmlbUdpXnSlzSsdXOQRwVJ5fvU/keXUcn7uptrZFRfMQSfu6j8vzKk/wBZR/q46GuwSVyPy6KJJKkjjq5WQcpA9V5I6tyVH5fmVEoy6Ci1HoUZI/MqOSD93V/y/LqGRBTlFMco8xkTx1mTx1uzx/u6zbqClT5ibM5q6TzK4jxxa+fpU8dejTw1xniaPzIHT/lpXXGpy/CrESXNHmR8c65H9lnkj/6aVg3U9dL48/caxOlcZPJXu05y5bcp4mhH9q8ufzK9ysZJI9NtP+udeBT/ALySOvoDR4/PsYP+udeXi3PoehhrLqdZofmeRHXtfw9k/wCJbaf9M55JK8j0f93BHXrHgCT/AIlUH/XeSvDg59T05s9Rjn8ypKpwfu46kkkpExv1ZZ3hKjkxiokkpkklZBvsTb6Xz6qeZ+7qprGsWPh3R7vVtSu0sbG1SSeed/4I6pU5SfulcyW5Y1fW7HQdLutV1W7Sx061geeeab+BK/PX9oX4/X3xq1sQ2++x8LWT/wChWP8Az1f/AJ7Se5qP9oL4+ah8ZtYFrb+Za+FdPkP2S2zxM+9/37jGQXT+CvIJm21+oZNlawkVUqq8nt5Hk1qnO+WOxG0nzVWurgyDbSySbV2VVr1cTUavfW5UILdibaMUBafs964Ixv0N7iBCak+7TR8tJI26uiypxvEnck87bTWl31HSHNTKo16ByokyaFpq1ZhX5q2jyyFJ2RJC392rEfzNUK277qlSOu+nFv4TllYmXZT93zUz+Cov4q7o0+V81tTG1y2jfNQzLupi0Mu2piuYiyuV5vlqlNJ2q7MvyVnzDbWNeU4Q3uddOxG7U2kLU9VrxHJ1J6HVsKfmp6fNURNPVq2jPmnpuSy5bs9T7qii+VPnqK4l/u16VOv7NeZzW5mNnb5ahj+9Sbqkt/mauedb2kuZm9uVF6NeavRt+6rP83bUTXm1q74VFH4tDjlBzNGTdsqEtTFuNyffqnLcMzcNWlWpFxsONNvQn3fNUFwzZqNZPmzTputca5VG1zdRsyJfvCrcMdUmq9D8y1wRqqNXlZVTYs7fkqpcSsrVZVk2/PVO6+9XpVH7nN0Maa11JbRtz7q2Y2+Wudifb/Fir8M3y1nhZ8pNanzM0JGrPufmerKtuWoW+8a9abVQxh7rKzfKlQ7Wl+5V77L5tTJEImrilScpcvQ29ol6mZ9nepYokq5N96qr1m8LCUuZlKbkMmqs0hJq4q7qqTJtY1jUpuxpG2xH96np8tMXrU4+euGEImstA3bqJflpVWom+Zq2q6Rv1IW4xae1P8nYlR9GrGMZuN2XdPYVdu35utR05hTCaKi5NykKi7qtou2i3jqXbsqqFLk98xlLoV5GqBvnqxK3/fNV62qSVTS+hcdhuKTOKVjTAM15k3yytE1DdTTTjim1xVJNb6lBuqJjT2qNq8vE1Hy8paGrUgqPbT1rjp3XQpi10nw4sW1Dx1oMIP8Ay9pJ/wB8Hf8A0rm67f4L2/2j4k6SP7hd/wDxw1GIm40roiWx9iWv+ojqSOSq8f7v/rnRJJ/37ryaSbilbcxb5fQk8yPzKj/eTyf7FM8zzPM/6Z0f6uP/AJ6f9dKUoxcr3HdT6Ec1NpJJKj8z/tpWkrOXKkT7Ob+Ejk/eVH5lHmVH5lOUXHYqUVHcJKgkk8ypJ5KgpQ5u2orBI9V5J6KZJVyd6lpPQJahHJ/2zqKlkk8uo5JK6JThHZGdRNbsJJKqSVJ/rKjkjqeaPOVH4bobUUklD0yStOdbdTOTTDzKpyR/PVh38yq89Zzpp7HK6bluM+So5KPMqN38ys6blTlaOxvG0Y2YyT95HVeS4/5Z1JJdVUkj8z95XpSSfv3MZvpFakkk9VJ5PMo8z56rySfvKUfefkDUlHluD/6umeZ+7o8ySo5PLqOeMJXvcqz+yiP/AFkdEcmyjzKZJHvrsjy1ieRLSe54tRSmk9K8uStvqeyJRRRUylYofR0opa64J/MgVcU+o/anCuyE4/w2tSWPpKKK05PdsIfUtQUtZRa+2QX42zT1iqrHLtqaPezVftNPcehzSTRK1V2m21Oy1DMu01nCKcrNhGw6Ft1X44vlrJNyVarVndV2ybUbE1IO10VLxds71XWrupR7ZN396s+vOi2zqp6xJB3qVWqFaljrrmvd5ug5DKTNBorOo0o2aGSrJVuKXdVNZKsW8nzU6cv5TGcfI1rNkVqt3y7Nmys61kyyVqXTeZClb1OeSt1PLnpNHSfC2byfFdqn/PT93X0NBBXzP4DuPL8XaT/18JX02n7uivGcacbaXKjTlJ3b0LCf6unwR+ZJvojjq3Da15s5PqaShyxumL5f/TOp7WOnxx1Yjk8v5Kw9tOEbKIo3l1Dy6ipZ5PLkqCS6/uVHK3HmRsrR3ZHqUEflxyR1HYwf89KsO/mU+Cxknk/d0e1lT/iGWk5WsWILXzJK3bHSo6j02x+z/wCsrWk8uOnKPM7xN4wUY3YscHlyfu6jk/eSVHJP5f8Aq6jjkrOEYrdnRTLEkHl1H9l8yo5J/nqxBPVOo6foZzD7L5dH+r/5Z1P5lSJ5clR7R1I6rQ1jFLoVI499W44I6k8iOSnx2tEVaPKRNX1WwzyI5KjksfMqeOOSh/MqZwVTYL+7ZDE01KngsfL/AOWdEc/l/wCsq9BP5lRyS2ewSdypJa1Unh/eV0sf7yjy0olBx2HHSN2c9BH5dSeXJJ/q63fssf8AyzqT7L5lS3bR6sqFTyOek02SSiPQ5PM8yug8iljjkrKSmzSScupkx6bVuOxjq3I/l/wURv5n8Hl1evVilyy6kcEEcclSTyRx1H5Ekn/LSpI9Hjn/ANZJRTTexEtJWuVJLqq/9peZJJ5f/LOtr+w4I6k/sqCOi76IJJx6nPSTySURwSSVsyabH/yzpn2Xy6iNRxlZhYzI7GTzKvx2scdSfvI/+WfmUSefJ/q4JK0jJt67BFJEc9rHH/rJ/M/6Z1y/irw/puuaVJafZI4JP9ZHdRx/vErpJNKv5JP9RR/wj93J/rI446OaEXaOoSd9zyR/hzdwf6i/8/8A66R1Qjj1bSvMjn02Ty/+mf7yvbo/Ct35f/LOiTwjf/8ATP8A7+VM6s7cqISUdj5E+JWh2k8nnwfuJ/8AyJXCeGfEE+lX0cF3J5kH/PSvs7xH8IY/EEEkd/aQSf8ATSvDfHH7MOtefJPosnlx/wDPCf8A+OV2UcXHD/FqjCUWpcyL/h/VfLg/6ZyV0ljPH5kcleB6H4mu/AeuSaF4hjktHj+55n30/wDtdex6bfefBH5cnmR/89I67HyVHzU3obxqRfxIl+LGm+KtQtrC68K6Imt3UD+Y6yPGfk8v/nm/368c+HM3xG8PeMvEk/g3wBd2NzrNhNoxiNlJ5djHI6SfJNJ8iP8Au+r/ANa+ldDuvMj/ANZ89Pg0e7sdVku7TUp4Ek/1kH/LN651KvTnyRMpqHNz9TC8Oyal4R0Ox03xJOk+pQQRxu8FbX2HTdWST/npJ/y0qefyI5PMnjjn/wCulFrPaXX7y38ujlkviNOZHnPir4ex/vJ46861LwrJaz+ZH5kEkf8Ay0jr6W3x/wCr/wBZWbqWh2GsWskE8Efl1DqOnPnWpzSoXle+h82XWsatY/8AL3PJHXM6feeHNN1KeTxH4YTXLWT/AJ53Elu//jle0eLvhJP+8nsJ/Pj/AOeHl/vK8c1ixkg8yOePy/8ArpXtYTHw6/ic9SNSmXbfUvgzZ6xaarDF4m0u9tbqO6jtY/LntPkffs+f95s4rt/H3gPTfGGl2+qxeCtc0261CBL631DQdKknt5o5PnSR9iVxfhewsrq08qfw/pesx/8ALTz08uf/AIA9e26B4k+KOn6fY6VpX/COmxSCOC1gn8zzEgj/AHaR/wDfFbYmMYR5rpN7HQpc8U2mzwfSdTk8IS/ZZJrq2n/gjuo/LrttN8f38cfl3cf2+D/pvXaaj5/je7u9G+IPh6+Ty0kSO+sbSeeCP/ppG/l/u656T9n+7nWNNG8SXSWH9/Uo/nrneNcVy1LSXlqcqw/8l7mjo3i6Dy/3H+gf9c5K62P40J4LtU+1eIb5PP8A3iQeXHPvj/7aV5ne/s0+KPMjj/ty3uPM/jT/AFddb8Kf2a9L0S8vr3xvG+qzRl4YNOjf9w6f89HKVzVMRh2tIv0Nowrt2hoWV/aA8S+Pr6ew8KTyOY/3n2qTy9iR/wDTSqMnwfv/ABbNBP4k8Uapq13/AMtP3+xE/wBxK9fZbG3s7XTtK0qx0bToeUtbGCNE/wCulPktY65vrHNC0Vb8zb6u0rzdzidB+BPhDw1CJE0n7XP/ABz3TvPv/wCmflvJ5ddHJpVhcaHHov7yDSY4/L+yxySR7I66GCPz4K5vWJP+Efknku7iOOCP955kn7v93XPGblaDV7nQo8vw6HGzfs3/AA/1eSfFi/nt+8f/AEqf/wCLrrtL8F2vh24SU2KavawokFrZJdyWqWqf7CR/+1K+evFfxwlvPELr4NkuXkL8XsibE/8AH69O8I/FCTWNDsJ5/Me+8iPz5IIP3byV3Sw6pwU5StchSS0R0fi74e6P4u8WW2s6/pWuar/Z/GnaPHfR/Yd/o/7vzP4Pv/8AXOrvh/w5f/ZfLv4I7COT/V6bHJ5nkR/88/M/5aVu+GfE0mpW/lz27x+X/wA9I61p76PzK441JKfJfQ2jCMviRbsYY7WCPy6t+ZHWTHfR1JJqsFrBvkkjjj/1lY8t5WQ7xp77GlJJVST95J5dch4i+Mnhfw1ZvdalqXlwIm/5IJH8z/rnXBzftYeACu0Xl+j/AO3aVu8HUjH2r0QKsnstD2CTy/8AnpXCT+NLTSvEckd3PH/rPLjjrJ0n4heIfHE0cfhrwvqslpJ/zEr6CSOD/tnJ/wAtK7+D9mnRr6SS7v457vUp/wDXzyTyR0Rr0qc7vVD5W1dbl/8AtFPLjk8zzI5P3kclPgnnvv3dhBJPPJ/q66Xwj8GbTw/Y/ZP3k9v5nmRxzyeZGld9pXhy002Dy4444/8ApnHWFTEe0+CJfJ0e54Bq37PM3xNvoLjxjem9tYQgg0e3Ty4IXPV/M/1kj16h4P8AhNofgnTzbadZWunQn94YbVNiV6D5Ecf/ACzqCST/AJZ1y2lfmY+RHPSeGbCST/V7/wDrpWtBa+RBHH/yzj/gq3HHVS6n/eeXHUSk3toTddiCen2um/aP3klWLW1/5aSVe8yOOpqu5rHR2COCOOOjzNlLJJ5lRxwUi+Uf5nmR1A/+rqTy6jnjq4x5iYpxI446ZJHT/wDV/wDLSpI/3lXGPKrmtiOOOpP9ZHUkcfl1H/1zrPnS3EM8uk8vy6k2VJHHUSalsBXkgqCSOr8ke+qkkdbxg5GWq+JmZPHH5dZt1B+7rWkgqpPB8laxXKK5y93HXNa5Yx+XJJXZ3Udc1rkfl2slKn5ha8bI+IPihH9l8XXccf8Aq/Lrgb6au++L0nl+Lp682urivoY8stH9x4sqckyJ5PmzX0h4fj/4lVp/1zr5ollr6X8Pyf8AEntH/wCmdcuImox5Yx+86sNH3zs9L+4leseAP3em2n/XeSvJNKk/cR16p4Dk/wBHsP8ArpJXzcZQlfyPXtbc9Njkp/mVVjen+ZXNGV5WESb6PP8ALqOOSmSPVW9nuWEk/wC8/wCWccf/AE0r4R/aa+PF38Ttcl0DTHMHhbT38tFB/wCP2ZP+Wj/7H9xP+B969m/a0+NMnhHQf+EU0a6SDVdVj/0t0+/DaPv+5/10r4ikkRR8lfb5LgeRfWp7v4ex5ded3yosQpVS9elkuNtUZn3NX21SpGEeZvU56cHe7GM26hV30ylry5XnLmTOwXbtoZzUbU5VqIylKVohbuKaSnqtI1byj7t2A2ikyVqVRk1NO09NmD0CrltH8vzcUlvbo1LM219lehGMormepzylze6iZpKZ9oqOSSq5uN1a/WbLlZMYXJ1ut1WI5NzVnircNFOtOpLlQTikWfONPlnqCnMorpc+XzOeyuRSSb6qOuatNUWys67fbQ6I6FJlp61YeJduRUPCnpXney5JcxvzXRHtqeFfmqL7zVahj+Ws4RXPpuKT0JWk2rVdm3UkrFm+aq5Y9q6q0lD4kTGA7bT4fv1AWqWOuSM1KVoo1a0Lq/NVadPLanrLtWoJJt1dlatyx5WZRi7iK1IzUhpK4pVGo2NrCb60ovnSszGK0Ldt0dGFk+f3jOpsBszu61Yjh2JTf+WdOVq9qCpuVmjmlJtakNw22qbMWarz/N8tUehrnxXLKXKtEbU9h23/AIDTvu/dqHOKTNcXtFT0hua2NO2l3LViOP8A74qra/vVqbbtavTpqVSMUuhxSWrRc+RFqLeit1qPzqil+au5zdPdmUY9xzN81M+9UVTfw158uaWkdza1iGRmVfl4FV/vN81Sv1p6w7Voj+9XK9zVNRRDsShVSnsm6pI14qfZRhvqO+gjfdqIx7etOl37qH3qtVpbla0BEMh3VHTnaoy1cNWUUbIVvlqS35kFQkNViFawi3KptoEti0q/NQ61Bu+anM77a9SLvHbU5+V3FmYVUk4anbhTWxXFUUeW/U3irDPvUu3FDDmhjxXJZa826LGEU3NO3U01582vslkbZplOLUleFVd5XuaIKULTTSqazg9bSGOr0r4Bw+f4/j/2IGf/AMfSvNO9ev8A7N9iZvFmo3R/5Y2m383B/wDZKjESj7GfciSurH0tJRHPHUfmeZHUf+s/1deNTjNRsyIwjF8z2LHmfu6ryT1JJVSefy460lGUfhHUXWOw+l/d1WpsklTG8ne9hRlbqEkkbyVHsqOemef/AMs66ab9227MPaPm5WHmUynyVXkkovNS03N9KcbNg9QPJ5lSSVX8zzJKiEXzXIk+Z2iFQSSUST1BJ/rP+mdP7VkRzqPQf5lMkkparSSVrKNugWX2QnkqD95RJ+8qOSTy5Kyje9ktTGr7u5JJ+7qCeiSfzKryf6utJU3HcXO3tsRvUEn7upH/ANXVSOTy63UuWNtzPbcfTLiSSo3fy6ZJJ5lbU39uQ5RjGN29SPy6gkp8klQSSVrD39Lq4RlZcvUPP8yo/Mj/AHn7yjzP3dQf6z95UU0+qMp1GEkm+Oo/M2USPTJJP3ldcZJ6OPyFKo5ax1Z5FRRRXjnuDaKKKosVakFRU6toSJY6lptLtraClzcwiSimrT1rRVnDcgce1OSo6fHWykqmxDJkSp46rI9Tq6rWaahsYSuO70rU+NcU/ditJUW3zGVzMkG1qfbybGqeaLdVNvlailKUTpTUlYu3C+bH/u1nVcaX93sqpSd+a9x000gpaFoHetJNqNixaKbzRWPNLqwHVKlQr1p8db00ua7E0aNq1bTfPZ1z8DVrxS7oq6YtvVLQ82tHW5Y8Os9v4i02T+5PG9fWif6yvlDw7B9q8S6bH/fnSvq+C6jkjrmxD2v1BN2uX4JKtx1Ug8uSrflyeZXFJcvVFVJx+Rbgp8lQJUnmVxVI1I/CVTmivJHvqp5fl/u605P9X+7qOCDzJKmlzvbRETk+a71J7G131tQfcqO1g8uOrcdaypuT5uhtFOMbh58kdMknqeSGo/L/AHdRGbZX+IgSOSSpJI5KnjgkqTy/LohH39S1GL20K8cEj1Yjgp8clHnfPWctNHqyNVK7YSR7I6I6kojj/wCelEJm8fe16FiOSnxvUH7ukpW5I83UmWpoJT/9ZVSOOSrcdR8ytOxJ9nqeOCOhKkjn/eVVOoLltK7Hx/u46PL8umSSU/z/ADK2l7wNWlZlihKrxvTPPkjesOZctktSpxL1W7WPzKowfvP9ZWtayR1z80+awRhJ69CRE8uj93/y0jqfzI6JI/Mq+V9S3ydCv9hgn/5Z1JHpX/TSSOn+XViOTy6UG+lyOVLdmbNo8n/PxJUcGjyQR/6zzP8ArpW158dP/dyVPK/tMcZKJkx2Mn/POpPsvl1rf6uio05bjkub4TN+zj+5U8cFW/L+epPIoinLXoPlXYppUtPkg8yiOCOnfk2Fy+RH5lSJHR9ljj/eeZR9hkkk/wBZ5dLmf2kErp3sSeXUckdTx2kkf/LTzKXZV+0U42KOa1/wlo3iax+w6zo1jqtr5nmeTfQRun/kSvHPF/7P6aTJd3ngm7TTTP8AvP7Huv8Aj1T/AK4f3P8Ac+5X0JJJJJVSS0nn/wCWcdKSsrx2B+9ufJ+j6lrvhm++weJLSOwnj/5bwSeZG9dRP4qnk0qefSfLv544/wDURyV7drHg6PUoP3kEHmf9N4/MrJ034ZRwXXmSQWscf/TOt/rL012OSMFLc8y8B/D3xZfaPJPdx/a7++k+1yefJ5cEH7v/AFddLofwLu7rzJ/EP9mwX8n/AC00qSST93/10/d16/HawWMccc93/wBs6Pt0Ecn7v95WMvaSlzNnRyQhsjzKP9nPw15nmSXepSf9t4//AI3W1Y/Bbw9Yx/uJLr/v/XZ/ankqCTz5P+Wnl1Epcu8nYbcJbnNf8Kx0mP8A1cl1/wB/K4jxN+yj4T8XeZJJfaraTyf8t4J45P8A0ZHXscFv/fkrSjgj8uqjFyFyRqRs0fMOn/sR2nh3Vo9R03xjqD/897W+tEdJv7n7yP7ldxpvwku9K8ySR4553/5aR17dHGlT+WlRP2vR6FqgkrI8Yk8F6l/zz/8AIlMj8D6l/wAs7T/tnXs2yOh/LqvaztcPZ23R5BH4O1KP/WWklYt9HPYySRyWk/mf9M4/Mr3KSSPy6rxyeX/q/wB3WsZ1Jbmco320Z88axqMmnwvP/Zuq3cn/ADwtbGed3/3EjjrOXUPGetW0b6F4C1i9/eeXs1J001//ACO6V9OeZJ/z0pkkHmR0SqTfUvkXVnyne/Dn48eJvL2WOh+F7TZ8kb6zHv8A+B+RvrAvP2PfiJ4zdP8AhKfiBYwwJ84S1Se+/wDRmyvsuO1q3HBH/wA86SrVYXtNpMh0Ys+QvC/7E7eHb6C8j+IBuin/ACwk0DYH/wCB/aq6rXPDmteB4PLk0KfUtNj/AOXrR4/P/wDIf+sr6X+yxyf8s46jn0eOSP8AdySR/wDXOm61SW7uONNRVkfHOo/F7TdN/d+RdQTx/wDLO6j8usZvjB4p1CQx2Hw91i63/ckhsrqb/wBAgr7Ug8MwQXX2uTzJJ44/L8ySpLqaTzP9ZJWv1mqtYJJijCS+M+SNHi+MWvzRpB8O7fTUk/i1TUkgI/4Bv3/+OV0sf7PvxD8TfaP+Eh8WaD4fSR/Mjg0exnvcH/pp5kkGz/x+voaSfzJP9XViCxnn/wCmdctTEVXK/N9w40orzPD9K/Y+8AtNI/iCbVPF85GE+3T/AGVE/wCAQbP/AB/fXqfhP4deH/BFr5HhvQtO0KD+5YwRpv8A+ukn+sk/7aV18Gm+XU/kbKxk6k3eTuWo8uxU+w+Z/rP3n/XSpPsMcf8Ayzq5SeXVx90qMebcgjj2USfu6ndPLqrdSVak3toMrzzeZ/q6jjg/5aVJHHSTz/8ALOtKcn1AZJJUEEcccnmSU+OCSSSrH2XzP9ZWEnfbQm2t0R+Z5n7uOpILWrcEHl0+i4Rd+hU+z/vKk8vzKkokkpGslcjk/dx1BJ+8p9SRx1U5X2FzIgjg8yn+Xsqx/q1qN08ys+dilpsR+X5lNqb/AFdH+sqoqEitXsyOOOpPLqSirsuqJ5n3K/k0ySOrdR+XWavHZlcpQnjrNuo63pI6zJ462iuaPMEkonNXUdcn4jj/ANFn/wByu7uo64jxV/x4z0480pWic6u43sfCnxejkj8RzySf6z/V15tdf6uvTvi1+81af/Ykkryy8+Va+q5f3em546cnPUz5Pmr6k8O/8gew/wCucdfLMzcV9P8AhmT/AIpyw/64V42JvHd3PTor3kzs9NT93XrHgOPy7G0/7aV5JY/6mOvX/A8n+g29eHCL+O51y947pKk8zzJKgjk30+suUdwqjrGtweGtE1XXLrzJLXS7Ge+njj/5aIkfmVb/AHcdfNf7cfjCTTfBugeHLW8khbULp7qeFHPzwomwb/8AZ3ucfSuvB0XiKsaa6ilJxTufI/ibxNdeMvFGsa7d83Oo3Ul0+5t+3e+dtZjNioYUp8zfLX6pG0YxSVrHmtakU7ZqsaczVGWqK9SPY6IqyHUU1TU8KqaxpWew3oM8h/Sk2mrbNtWq/wB6uhUYx2JUm9xgFTRrvpi1LCtWoqOwpPQY0e2mq21qlk3d6harcUvfQLVamjb/AHKimXc1Ism1aheTdXXr7P3jFRd7g67ai+7StIzdTTOa4Zy8jdLuTLMVq3G3yGqtTq1bUfe+FmMrFhWzTWX3opjPXpxi2jHqH3qG+7SGVFqtJLu71n7kY3crmii2TSTpUCqXbApvl+9Tq2xa8683Kxp8K0ImXZT1l+Wod3zZpf4aUrO3kVbuNkNRbqc5pmK4cRNynoaoUmnLTCtSKtRS5nMbFY0m2rUVv5kfpVWQba7qkHBXmZqSbsK3So2o3UVxTqKpsaDQ1WYXqDbihW21lBunuxSV0W1uKmW4qhU27axr06NWTla5jKKHyN81J5ny4qSRvMSoK6ak23zLYFqhtPVdzUgarFuvy1jCSvbqOTsi9aJtWopm+aplWmMterCMlGyOJP3rkPmUM3yU9qr/AHmrLl9z3marUbuan+aVpdlDfd6VgkqUuZl6B5u6nbvlqm3ytUq/MtS8TzSsNxLCNT6g20/dWtPVd2ZNdh6/M1V7jrU33aY1ba8vmOO5T3VGwqVgFqPAavLrRd7Pc60OjXcwqyEpqLtp7fPW3salCPMZSdwemfKq0+RMfe+WqzdarZ8zQoq416j3U9qjryq0pc+h0IfupDzTaMisZVHLdjAtTC1DCmE15las1uWkJSNQ1JXkTl71jQA1OFFOAralBy3EIte5/s12e3+2br+8I4/1rw3FfQ/7OK+X4b1CT+/dAfpXJjIv2diH0PYvM8yiT93UcklR+ZJXNZwjFcu5zTX3Fjz/ADKryf6/y/8Ann/y0pkn/PSq/mVFSXu8sWOD8yw/+sonkqv5lQT1NOL5bh/D3JP9ZVf/AFf+r/d0RyVJJUxqW6CjFS+HUj3yVB/y0ok/56VB5n+skrVrmjzLccpcpO7+ZUEkfl0ef5dV5J5K3pWej0ZMnyh5nz0ySTy6PMqN6itSvLmREVGW7IHn8uPfRHJ5klEkkfl+XVeOT95S9tLlvYmVoyuSSfu5KgkkqR6p+ZRTklLmloFlPrqEkmySmSSeXR/HUE/meZ/sU23Lc5oxlGVhPtFQT0/y6ZcT/wDLOuuMYy3Rvb3bRIJJP+/dV5JPkqxJVSSSulwUo3RhJ2jd6hUEnmUj0zfSXu7GfMl5BJJsqOT/AFYpk8nmUn8Naxh7vNJWZq7yjZBJJ+7qvSySUzzKObnh7zI05b2PKetG3NFFcsYqW57o2lWiiuaBQNQGxRRRKTjPQBaWiiu4kloooraEVLcgWloorqUVHYklX7tTq3zUUVtKCZjIn3eZT1izRRXJ9rl6HNLTYJl+SsqTqaKKUfh5upvR2HRtimt1oopS+I36jVoaiitPsFB0ooool7uwBRRRVypRjsItxfLWrat8tFFa4X3qPM9zhrbGt4Vf/irNJ/6+Er6OguqKKxrfYMvsmla30kda0F9JJHRRVzhHnKnFWNK1n8+rEcFFFcP/AC+5eh0UYqVHme4eX5dW4I/Lk8yiisIHJzPn5ehpQfvI6n/1dFFclSTO+MVKjzPcEfzKkjjjoorI82VWUY8yepbjqxRRWlSnE9Fe7sRUzy/MkooqKcUcvMyTyPLqOf8Adx0UUVoqNXlWx3Ufe3CD/V1PHRRUQ+Dm6mfM+fl6FuCPy6s0UVwczuTzMSOSjzP3dFFerTiva8vQr7ZJ5lPSiisanxjJackdFFZQ+Ll6Fy92ehYqePzKKK1NCeOeSrEE/mUUVf8AOZF+OSp/LjooqORdzSPvbkccH7yo3Ty6KK560nHYiPvbknnUR3UdFFaU4oRJHfU/7V5lFFH2uXodEPe3Dz6kjkoorCfu7DpknmU+Sfy6KKI+9uZzIJLqo5J5JJKKK7acFyGJbgj/AHdWI6KK5TYrz3VZt1qUkf8Aq6KK6OVHOVI5PtU/7ytKC1joorOfxcvQZJJH5dRxyUUVnTLn/F5ehYjjqeGiio5mOUnHYk8zy6jkupKKK2o+9uXMI7qjzKKKmBcPe3Dy/Mo8uiis60nHYjlQR1Yoorq5UaUy1H89WNlFFcFT4uXobcqD/V1Unu/LoorWj725yld555/9XRHpUk8kckkn/bOiiorScYaAacFqkf8Ayzq3HHsoopQ97c3pj6ZRRW4wjjokkooq5xQpe7sVJ56qbPOkoorMzJ0gqT7D/wAtKKKmPvbmo+iOOiijlQBJJUEkn7yiitpxUdjOmJS+X5lFFYz+AI+9PlexJHHT6KKUoqOxdSKGU+iis6hpCKsMk/eU+iioOXmYUUUVHMzcKKKKtSftuXoc8JOW4ySOs27ooro+1y9DSZiX1cT4q/eWM9FFbr3amhnD3tz4U+NkH2W+8z/npPXk1xLRRXv0ZOVXlexwzivaFO4bKV9MeFZvM8P6bJ/yzkgjoorzcyqSjsbQdrWOssZ/Ljr2PwHP5mlWD/8ATOiivHmegju45/Lo+0UUVgVL3diOSSvhD9tHXhrHxoaBE2R6Xp1vZoPf55H/APH5Goor3cmivrM/7uxnU+BHhaXBoaVm6miivv4SfLzdTj5UQs1CrRRXJH3p6lD6mibZRRXdQiuXm6kMHfdUVFFZ1AiKIy1Wkt/loorGhJyqamM5MS4+7VZeWFFFejyq5UdiaSodtFFXVgkOOwlCmiiuSr7uxp0JI/nqzt3UUV6eHipU9TCejJQ26q0lFFRvAmO5WkU01aKK4q1NUp+6dK2BZQalT5qKK5MPXnUh7wSVhrcc07duWiiumEnLnuIhZaZtoorgrRXOWhSvepP4aKKuh9oGOVitRtRRXRiJOMBRG7TS7hRRXHL92vdK3G5LUu2iissP+8jzS3BkqUUUV6MvdjzLcgncbY8VGoXvRRXW4rkM47FtYkqdfvJRRXRThE5pFlv++KiaTdRRXVH3o6mMV1Kk09V/MO7iiisZwXPy9DtjFWJmfbTGbfRRRUhESXUrMtTW6/NRRXBCKNJPQvMvy01aKK9KhL3DkWw2Zd9V5gYTiiiipBcvN1NIPVIg3bloSM5zRRXkOTlUhc6XotCyqVLtoor2KfxcvQ5pEM0xaq7ZNFFZVvely9DeOiIzzTDxRRXzlb4ebqbIXrSN8tFFc8JOVLme4yN2pgGaKK8mp709TRCtTGoorlrFIFqQUUUqM2Ji5zX0V+z2p/4RO42dftTfyFFFZYmTk9TKW6PVaKKK5eZ8hlzDZJP3lV5JKKK55/Hy9C4+9R5nuQSSVHJJ+8oorurRUYaGfTl6EEk/l0eZRRXLKKjS5luRh/eI5JJJKqf6uiirl7uw4yco8z3JPMjkqCSiivWhFS3NpxRXkj8ulkoorCXuz5VsckvdnoU56gk+/RRVyioy5ehhP4w86oPPoorSFKEt0bzK8k3z0T+Z/wB+6KKzlFRq8q2MFJ8hUkk/5Z1B5nmf6uiitOVex5uopyftuXoR0ySSiiuWnVlz8t9DrqRViv5lQTyeXRRV4mbjsePGrKW5U31J5lFFb1pONPQ2pyZXkk2Ux5I5I/koorTBxVWfvmkvd2P/2Q==)

A black and white photo of a city at night

Description automatically generated with low confidence

Still effective, checking and all letters appear to be creating bounded zones. Interesting effect is the fisheye lens that can be seen slightly on the image above. Given that I’m using relative pixel heights for this it could be an issue.

Checking the bounding data, some interesting effects on 1080p:

Text

Description automatically generated

Both plates have clearly detectable bounded lettering, which creates 7 bounded areas. Tests at 720p also conducted:

Graphical user interface

Description automatically generated with medium confidence

Not great, pixel density is too great in some areas for plate letters to be counted as bounding areas. Seems like reducing the resolution reduces the number of pixels a fixed object size has to be represented in the image. Will try 480p with plate at closer range.



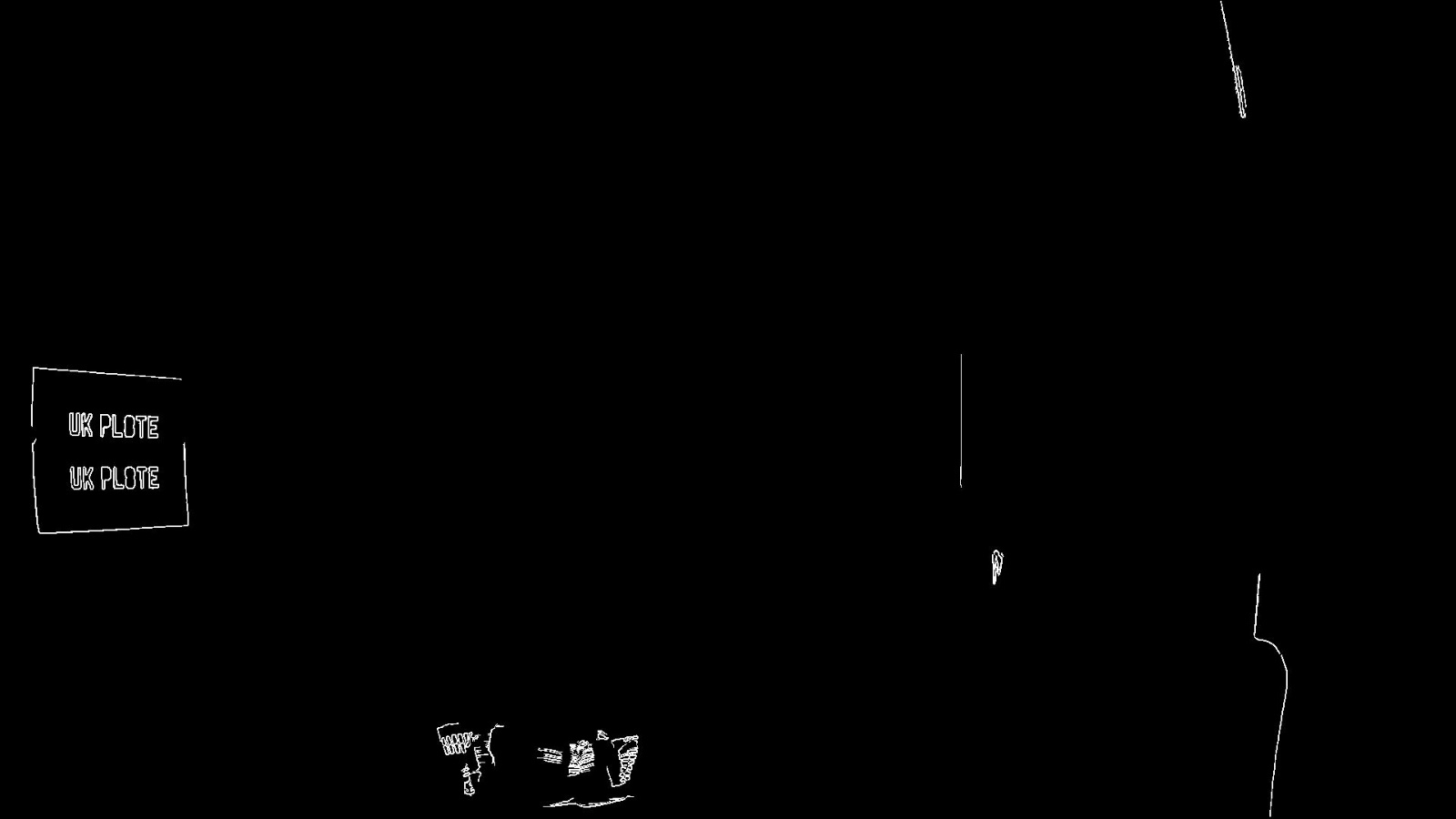
This 480p image is a closer range, hopefully better detectable.

Graphical user interface, diagram

Description automatically generated

Not much better, lettering still too pixel poor to create properly enclosed letter spaces. Notably the bounding box for the licence plate is still moderately accurate. In general I think I should aim for the highest resolution feasible when working with hardware.

Possibility of using the bwareafilt function to get all white pixel shapes that have a size within a given range:



The above is a 1080p image with filters set to take all shapes within 100-1000 pixels, not working for detection by itself but could be useful elsewhere. Problems would probably emerge as tracked plate will change pixel size across image sequence.

17/10/2022 – Video testing

Might get some more useful data if I try to work on tacking the plate across a video. Created some short footage of me walking across a room.

Found a way to split video into single frames and process those. Working on 1080p video now.

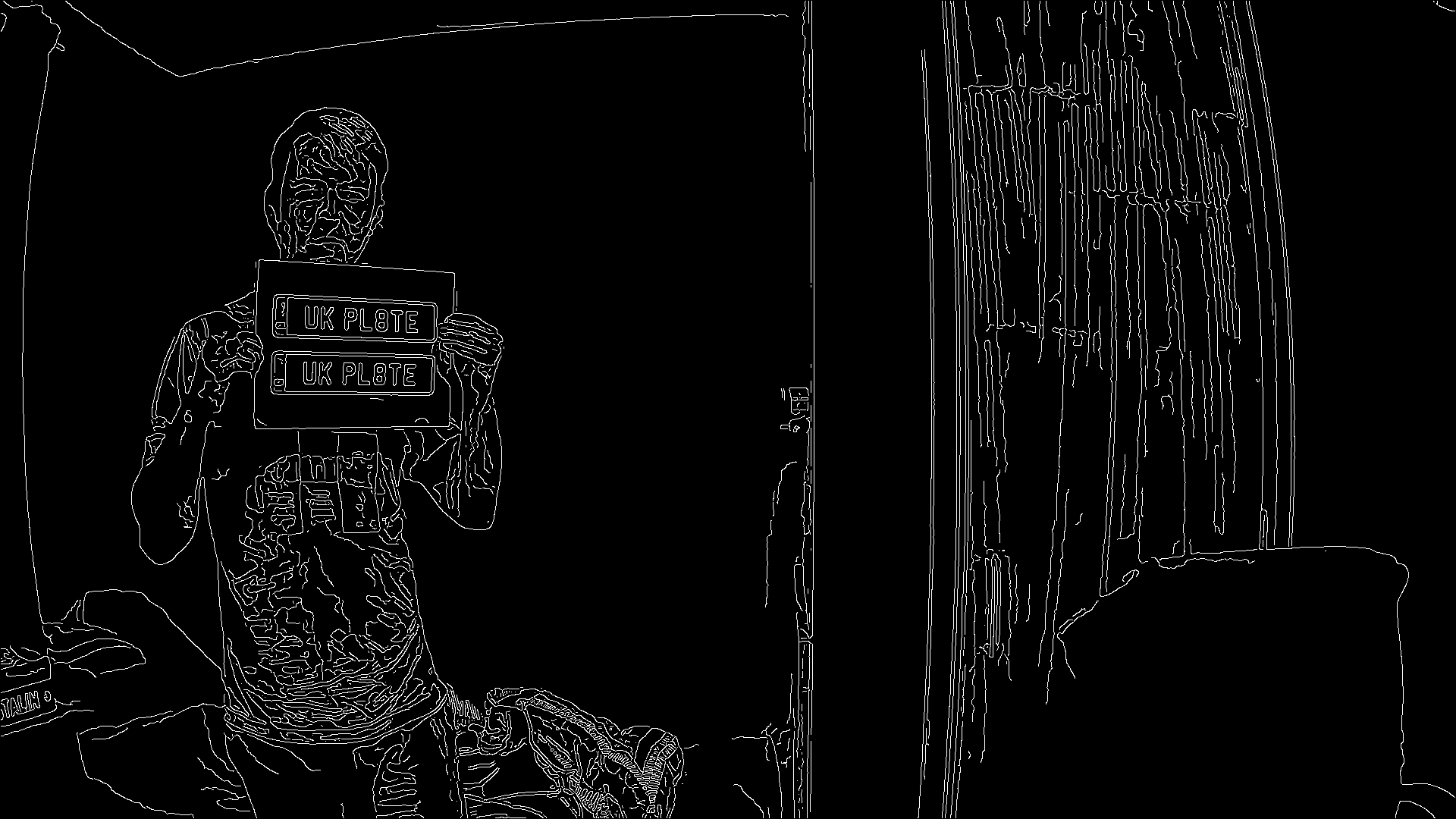


Not great, motion blur ends up being a severe problem for the system, also the angle may be too steep for the entire 

Not much better in the other direction. Maybe angle is too steep, will try to create a video simply advancing straight towards camera. Notably the processing takes a concerning long time even on desktop, hoping that most of that is MATLAB overhead and not core functionality to the algorithm.



Issue with motion can be seen quite clearly above, two images are from 10 frames apart. Motion appears to immediately destroy the edge information in the sobel filter. Could try the canny edge detection to see if any improvement is made.



Major improvement, in both image clarity while stationary as well as in motion. Some warping observed but I think understanding how the canny edge filter works is now a high priority.

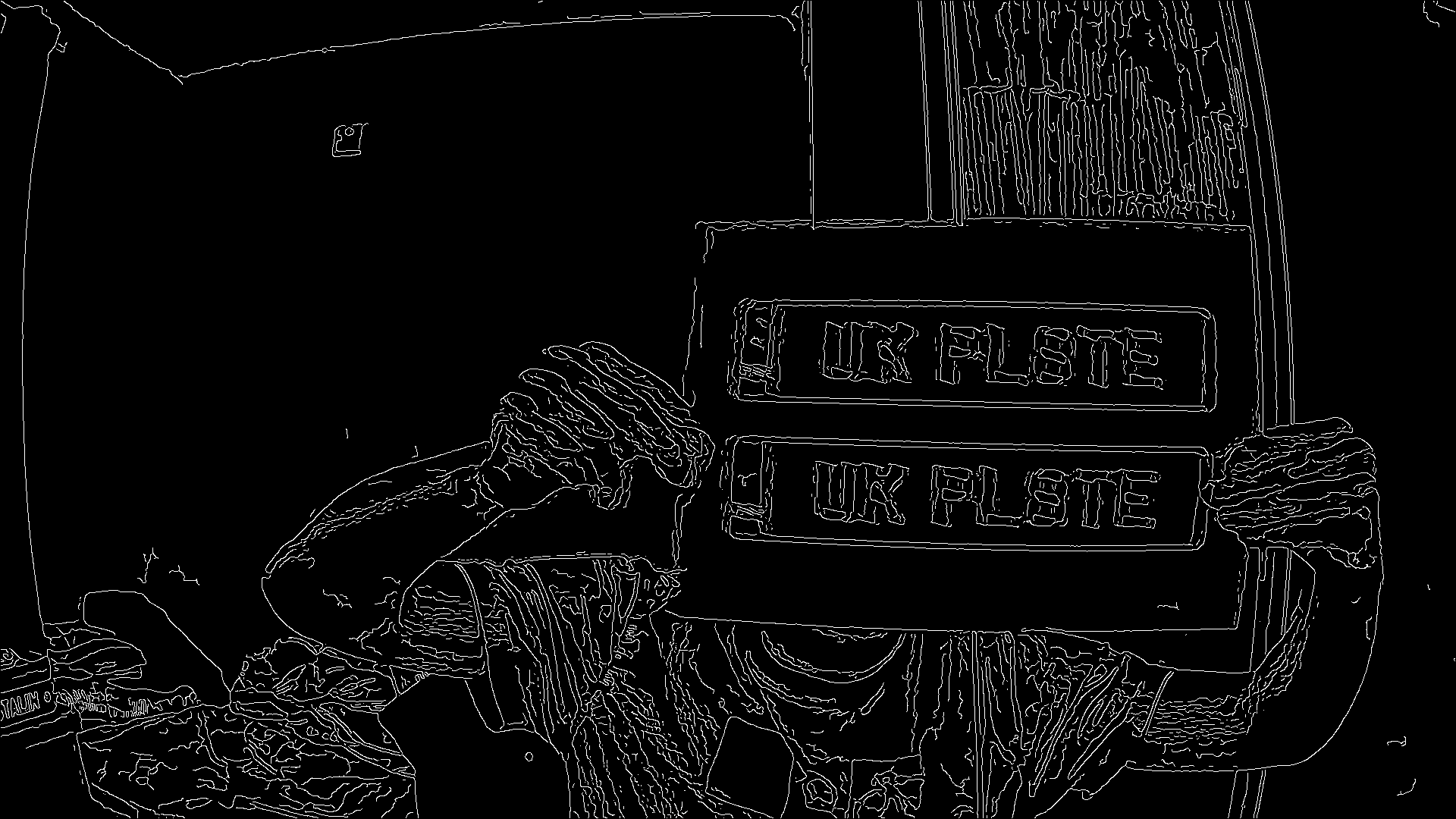


Observing the bounding data, it appears that there will still be an issue with noise from the edged image creating a mess of bounded zones. However, within the range that a plate is even detectable, there will likely be a large retention of the original shape of the plate (assuming a horizontal orientation). This could allow for looking for a specific ratio of bounded area height to width to be viable.



This image above demonstrates the effect of motion blur on my images. Having viewed images taken of speeding vehicles before, this effect is not observed. I will have to see if it is possible to correct or turn off this effect. One suggestion I have seen is to use a more robust video capture software than the windows default, such as OBS.

The above image is from OBS captured footage with MJPEG for video format, while not complete. The motion blur seems reduced.



The same image after canny edge detection seems much clearer as well. I will need to see what the result of a picture run would be for motion blur.

18/10/22 – understanding canny edge detection

Canny edge detection supposedly operates with the following steps:

1. Reducing Noise By Applying Blur.
2. Calculating (sobel) Gradient.
3. Non-Maximum Suppression.
4. Double Threshold.
5. Edge Linking.

A gaussian blur is applied in a similar way that the Sobel filter is, with a kernel creating a new pixel matrix out of the old.

19/10/2022 – cont.

A gaussian filter is used to create a kernel to apply to each pixel a weighting, similar to the graph below.Chart, surface chart

Description automatically generated

This weighting is then used to sum the pixels enclosed inside the kernel, which is then normalized and placed back at the origin pixel. This results in blurring or smoothing seen in the final image.



This would be a difficult task to carry out in image processing, as a complete Sobel filter task would need to be performed alongside another kernel filter. A property of the gaussian filter, however, is that the two elements are separable:



These 2 gaussian filters can then be ran over their respective directions and the result on the kernel will be the same as the combined equation. While this still requires polling each element within the kernel, this requires far less memory to hold 2 N tap pixel weights arrays than 1 N\*N matrix.

The storage of these values becomes even simpler by using a binomial coefficient list, which only contains positive integers, and a scaling factor applied that is the inverse of the sum of the list. I will attempt to use this information to create a gaussian filter custom to my needs.

I have made the filter, with some promising results when given to a Sobel operator.

A picture containing text, person, indoor, hand

Description automatically generated

While this image may appear to be only mildly altered, the results in Sobel when compared to an unsmoothed image are clear.

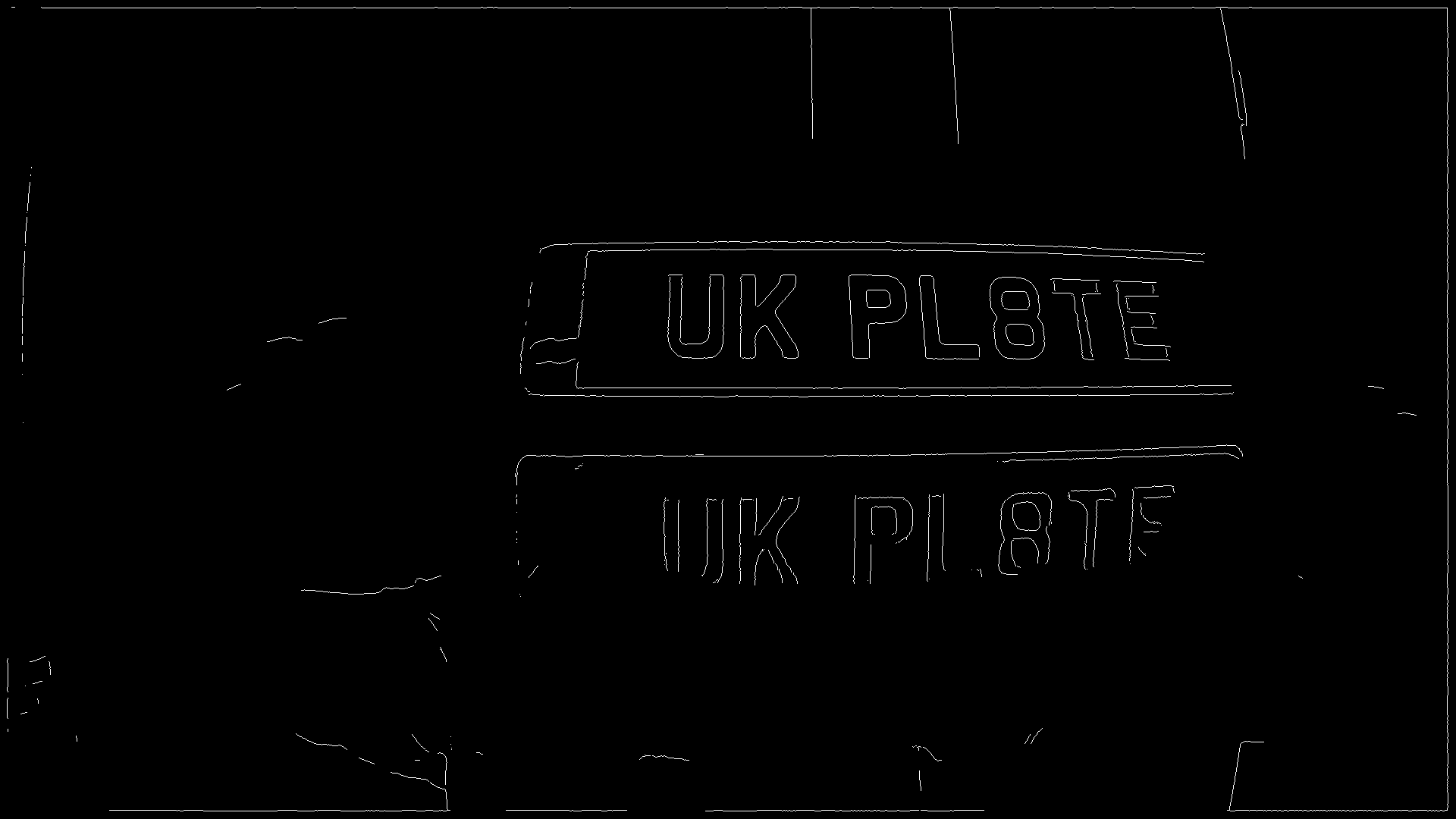
A picture containing text

Description automatically generatedA picture containing text

Description automatically generated

The bottom image compared to the top has far less noise and the letters can be read clearly in the edge detection. Testing shows that a larger kernel results in a heavier blur, the algorithm could theoretically also be run several times in order to repeatedly blur the image. But as this would require multiple image buffers and blurring seems suitable at this level, I think controlling with the kernel size is best here.

Images in with a degree of motion blur are also improved.



This however has raised an important point surrounding the use of the whole licence plate for tracking the vehicle. The lettering is perhaps even more standardized that the size of the plate, perhaps a bounding box looking for the letters could be gathered and averaged for all letters found to get an average location per image that can be the basis of tracking.

20/10/2022 – letter tracking idea

Looking further into my idea of letter tracking, I used my algorithm to find the edges of a real photo, and the results seem encouraging when using the bounding boxes:

A picture containing text

Description automatically generated

This seems quite promising; all the letters seem to be bounded with a consistent size between them. The licence plate lines are also nonvisible after filtering, confirming a suspicion that they are less useful and consistent than the lettering. The lettering also appears to be more strictly defined in the INF104 document that the actual size of the licence plate.

The full specification for the letters is:

* 1. characters must be 79mm tall
  2. characters (except the number 1 or letter I) must be 50mm wide
  3. the character stroke (the thickness of the black print) must be 14mm
  4. the space between characters must be 11mm
  5. the space between the age identifier and the random letters must be 33mm
  6. the margins at the top, bottom and side of the plate must be 11mm
  7. vertical space between the age identifier and the random letters must be 19mm

Points 1 and 2 seem the most relevant here. Taking the ratio of letter width to height (50:79 -> 1:1.58) gives me a tool to look for bounded areas fitting this size ratio (W:H - > x:y distance). By taking y/x for a given bounding box and checking its closeness to 1.58 I could potentially extract the bounding boxes for all the letters.

Having attempted to use my own custom Sobel filter code and comparing it to the MATLAB provided Sobel, I can see some clear differences:

Text

Description automatically generated

Text

Description automatically generated

My code on the bottom clearly generates thicker boarders and occasionally leaves holes in the letters, meaning the bounding box fails to detect them. I suspect some degree of linking and line thinning is going on behind the MATLAB code. I will use the MATLAB Sobel code for now as it seems more consistent.

Text

Description automatically generated

This was captured with 5% tolerance on the size of the letters. Not a great capture, will try a higher tolerance.A screenshot of a computer

Description automatically generated with medium confidence

A lot of these captures are outright incorrect, something is likely wrong with my code.

Graphical user interface

Description automatically generated

Turns out I was misinterpreting the return from the region finder incorrectly, at 10% tolerance the letters appear to be very easy to extract, nothing else was caught in this region filter.

Graphical user interface

Description automatically generated

Performing this filter on the noisy motion blur image had less accurate results. Increasing the tolerance had some positive effect but created a large number of false positives. Perhaps a maximum/minimum region size should be implemented for positives, perhaps a region should be within 1-15% of an images total size to be valid.

Graphical user interface

Description automatically generated

At 20% outside range tolerance in the above. My plan is to then take a cumulative average of these bounding boxes to get an average position to track the vehicle with.

Graphical user interface

Description automatically generated

The ‘average’ bounding box is shown in blue. While its location is somewhat accurate, some filtering of false positives is needed to prevent skewing.

24/10/2022 – filtering of false positives

I have a set of ideas that could be used together to filter the false positives. First perhaps a crude filter should be used to remove obvious fails, a 5-20% of image size bounding box limit should filter out the tiny areas that were picked up.

Realized something, area scales quickly with image size, and any small section of area will be much smaller than the total area of an image. This is probably why my algorithm has 0 hits for valid boxes as 5% of this size is still immense compared to any bounding box. Might want to try width or height bounding as this scales linearly with the image size, something percentages work well with.

Graphical user interface

Description automatically generated

Width bounding within 5-20% of image size appears to work very well, average box is well centered.

A screenshot of a computer screen

Description automatically generated with low confidence

This technique seems to need some refining based on image size (above is 4608x3456).

A picture containing outdoor object, web

Description automatically generated

Even with threshold adjustments (1-10% for above), it seems that further detail will need to be given to the bounding boxes I select.

Another idea I had was to take the biggest set of cords that were within a certain range of each other. The symbols on a number plate are relatively well grouped together. What could be done is some minor statistics on the coordinates of the bounding boxes to find the largest set grouped within a certain x and y range of each other. This should work as, if other filtering has worked properly, the system should be detecting the highest density of boxes at the licence plate.

Background pattern

Description automatically generated

The boxes that pass the ratio test are in red, passes for the size limit are in yellow and the closely grouped set is in green with the average of the set in blue. As can be seen there was a previously unknown group of areas in the windows. This is technically my algorithm working correctly, as this appears to be the most consistent and lined up set of bounding boxes in the image.

I think a further amount of selection will be needed, one idea I thought of previously was originally a method of saving processing time. Image subtraction could be used to find the area of activity, and a bounding box drawn to create a sub image to only work on areas where motion was detected. With this method I could exclude all stationary elements and only have my algorithms ‘observe’ the moving vehicle, ignoring anything that would be otherwise hard to filter out.

25/10/2022 – Ordering parts

Ordered a Pi Pico. Ordered a small greyscale SPI camera module: <https://thepihut.com/products/qvga-spi-camera-module-for-raspberry-pi-pico-hm01b0>

Ordered a 5MP SPI camera module from university requisitions: <https://www.amazon.co.uk/Arducam-Module-Megapixels-Arduino-Mega2560/dp/B013JUKZ48>

27/10/22 – motion masking

My aim today is to create a system that can take video and create a bounding box based on where it thinks motion has occurred. It will then use this system to mask the frame and output.



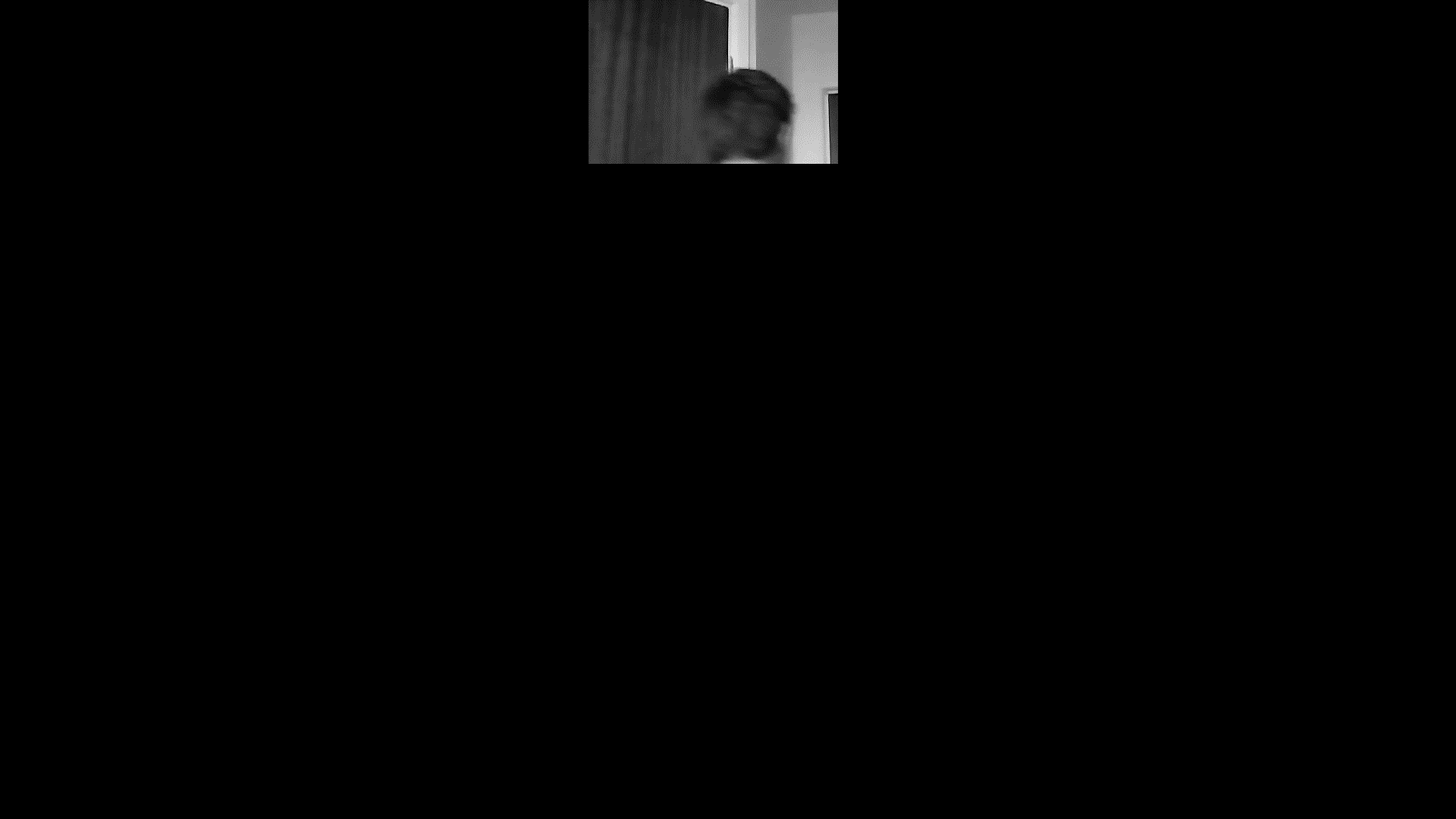
Using a simple image subtraction function, the current frame has been subtracted from the baseline. Some noise cleaning will need to occur, but otherwise this seems suitable for creating a bounding box algorithm for.



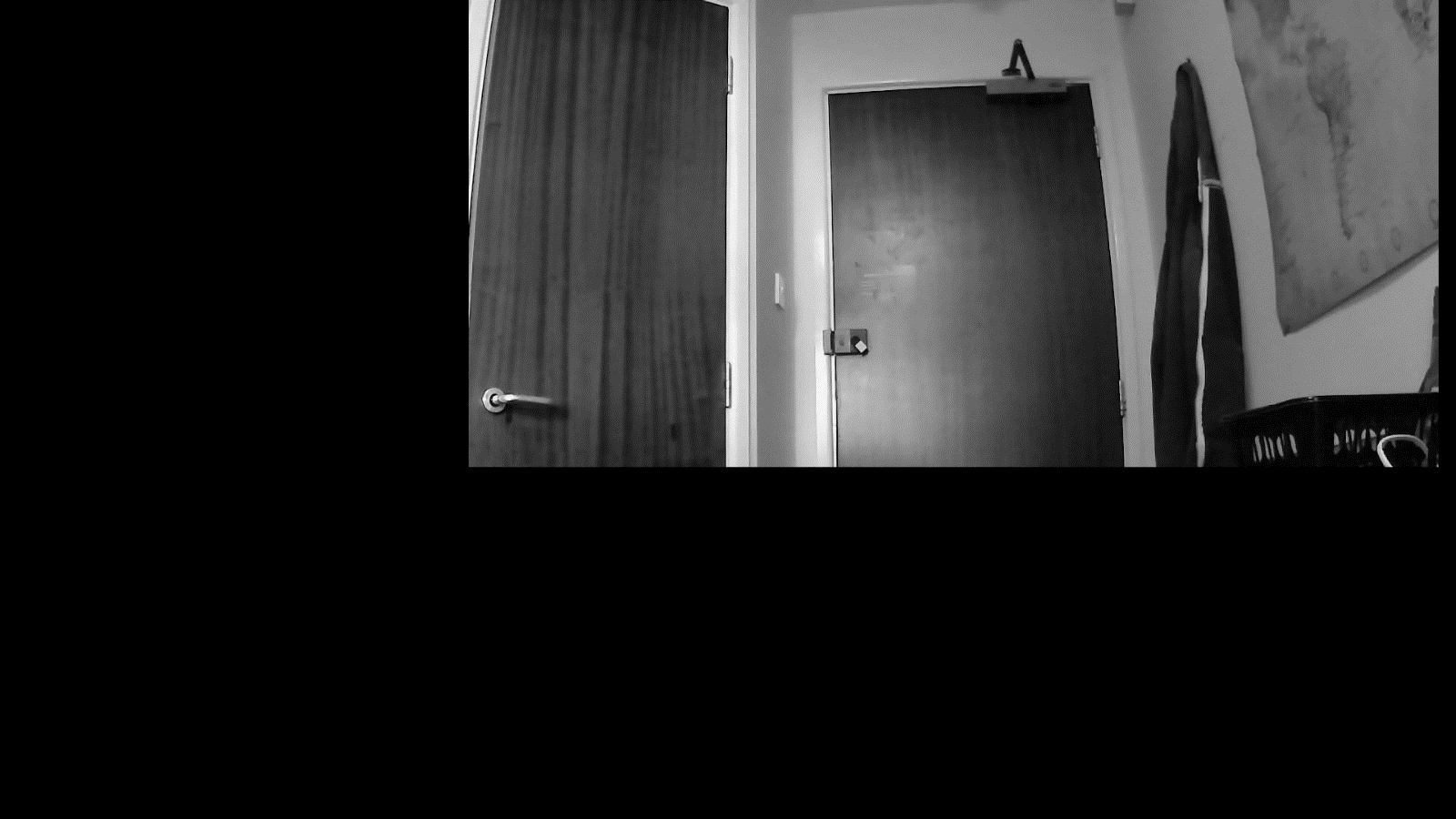
This seems to be less overall noisy, although this does in turn introduce the need to perform blurring on the entire image. Perhaps the bounding box can be constructed without the blurring.

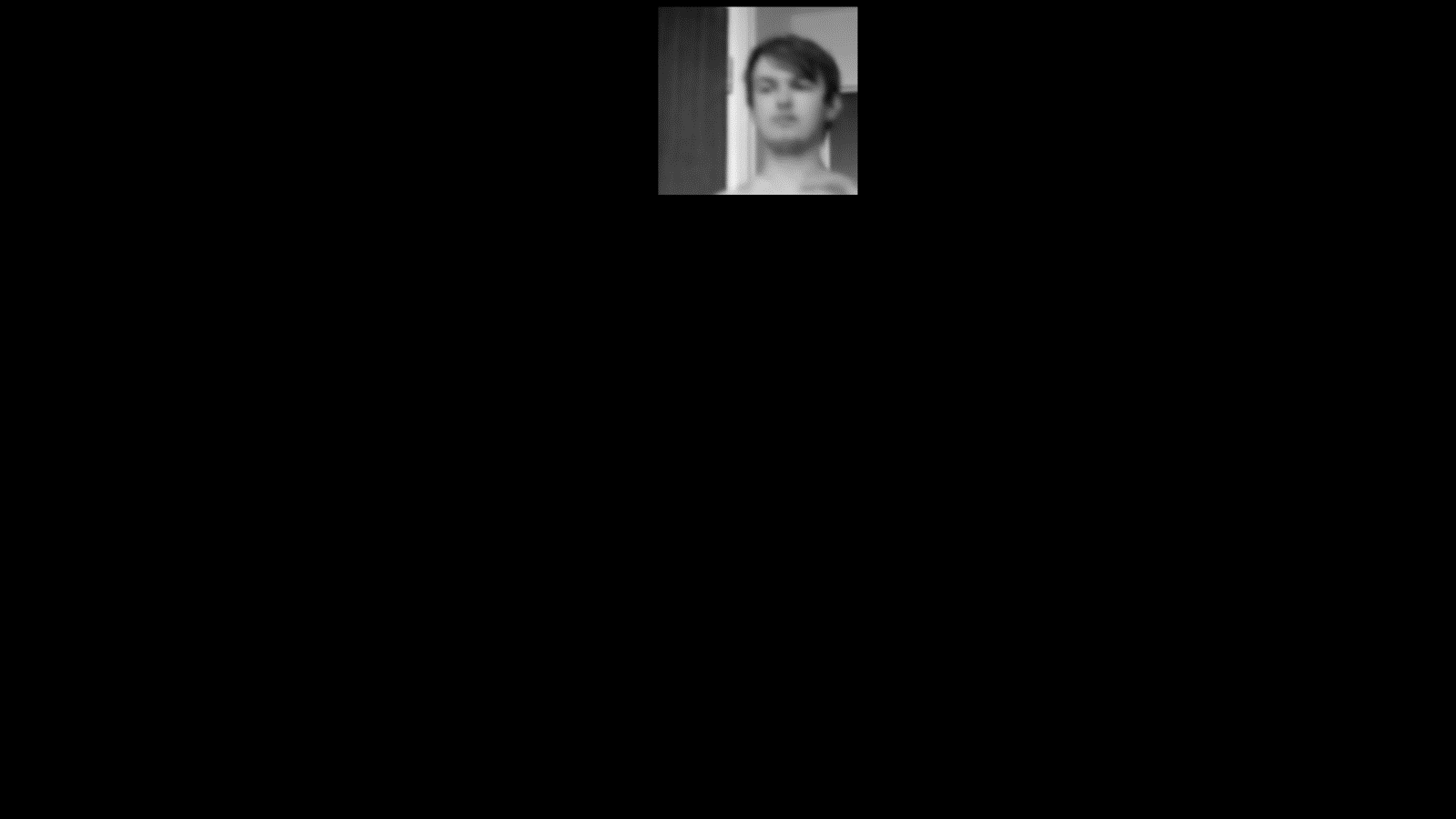


This was done without the blurring, it seems to work, despite the result being inverted to what I would want. My logic appears sound.



The primary issue here appears to be that the algorithm isn’t sensitive enough, this is fine and controllable, but I was hoping that the motion would be more prominent.

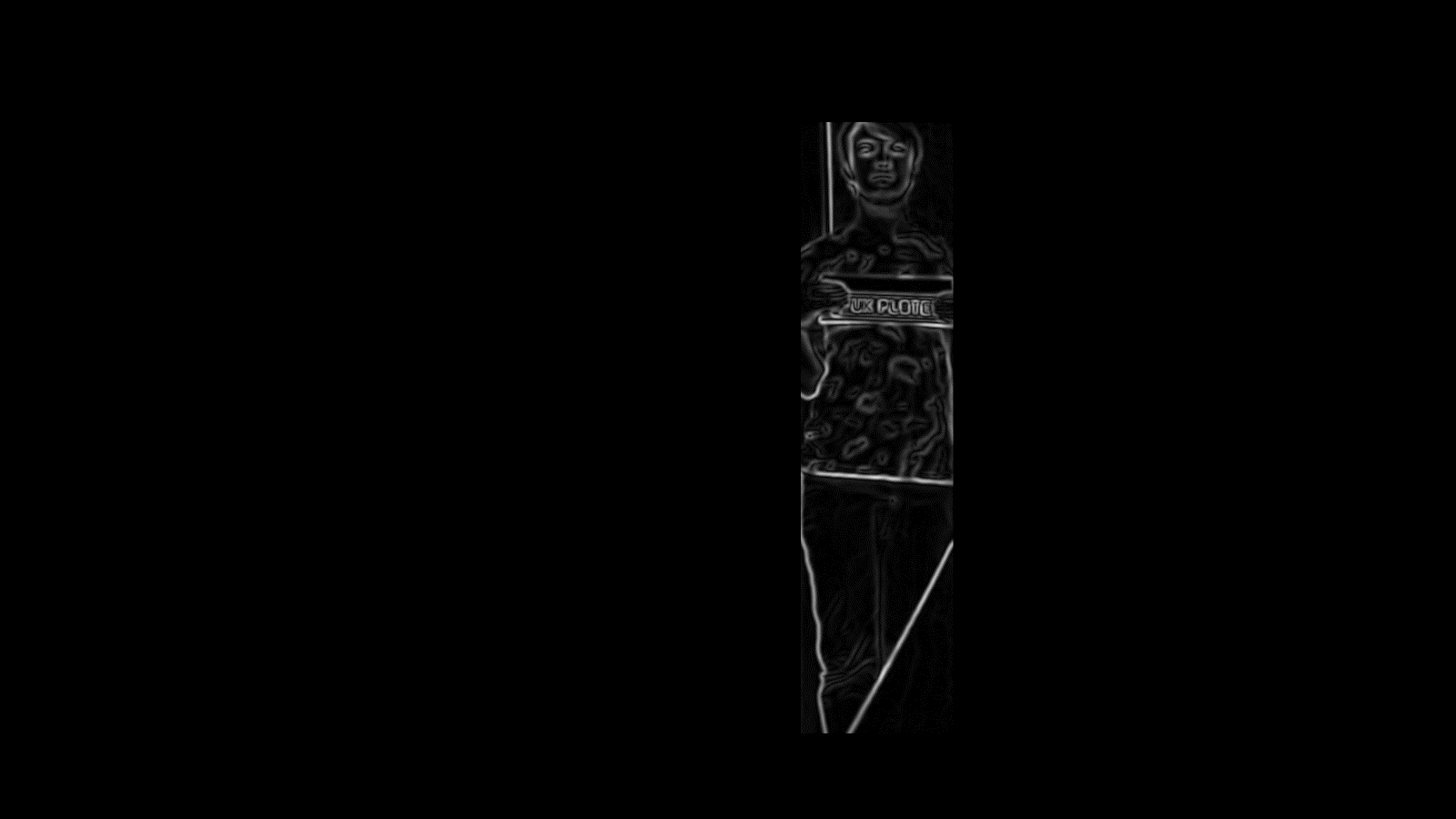


Taking the sensitivity down hasn’t fixed the problem, I think the gaussian blur will be necessary.

This does not seem much of an improvement. Even controlling the threshold for motion lower seems to not solve this problem. I will need to figure out if my footage is bad or my algorithm is.

29/10/2022 – application of sobel

New idea, since noise appears to be the issue here, what if both the background and new frame had sobel applied to them. This could allow for a greater level of differentiation of the useful information.



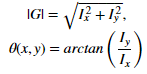
This appears to be far more effective. The unfortunate part is that this means that the 2 more intensive edge detection steps, gaussian blur and Sobel filter, need to be performed on the entire image before the reduced image can be used.



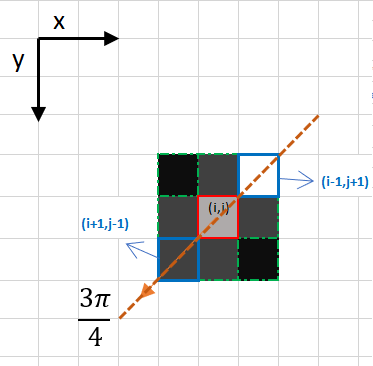
Still, with some controlling for the threshold where motion is detected. This seems to be a very effective way to bound the search area for the licence plate numbers.

29/10/2022 – Theta and non-maximum suppression

Apparently in the Sobel filter there is a second value produced for each pixel besides intensity, edge direction or angle.



This angle is then used to perform non-maximum suppression.



For a given pixels direction, the two adjacent pixels in that direction are compared. The pixel with the highest value is preserved, and the centre pixel is set to 0, unless the centre pixel itself is the highest, in which case it is preserved.

Preserving angles is definitely a problem for storage, as doubles would be far to costly in this amount. The fact that there are only 4 unique directions could help me here (up->down and down->up result in identical operations). If I can find a way to skip the arctan function and calculate the result directly, then I could save a large amount of time and memory.

Finding these angles, and converting them out of radians, we can see some pattern to their values.

Table

Description automatically generated

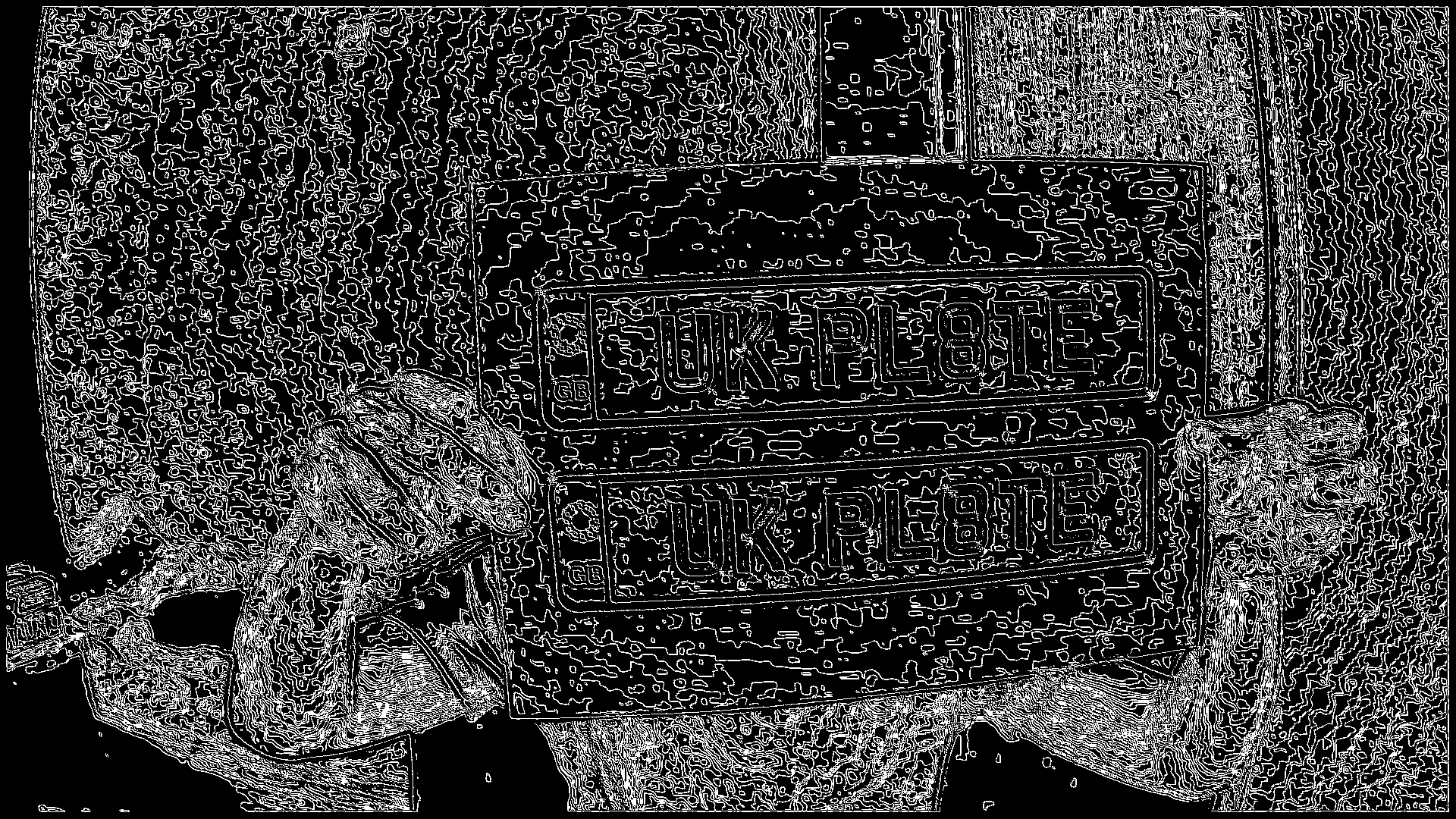
From this we can already identify 3 of the 4 possible states: If Gy = 0 -> Ang = 0 (up-down). If Gx = 0 -> Ang = 90 (left-right). If Gx and Gy are both have same sign -> Ang = 45 (bottomLeft-UpperRight).

The fourth state can be identified as being when Gx xor Gy are negative, creating Ang = -45 (UpperLeft-BottomRight).

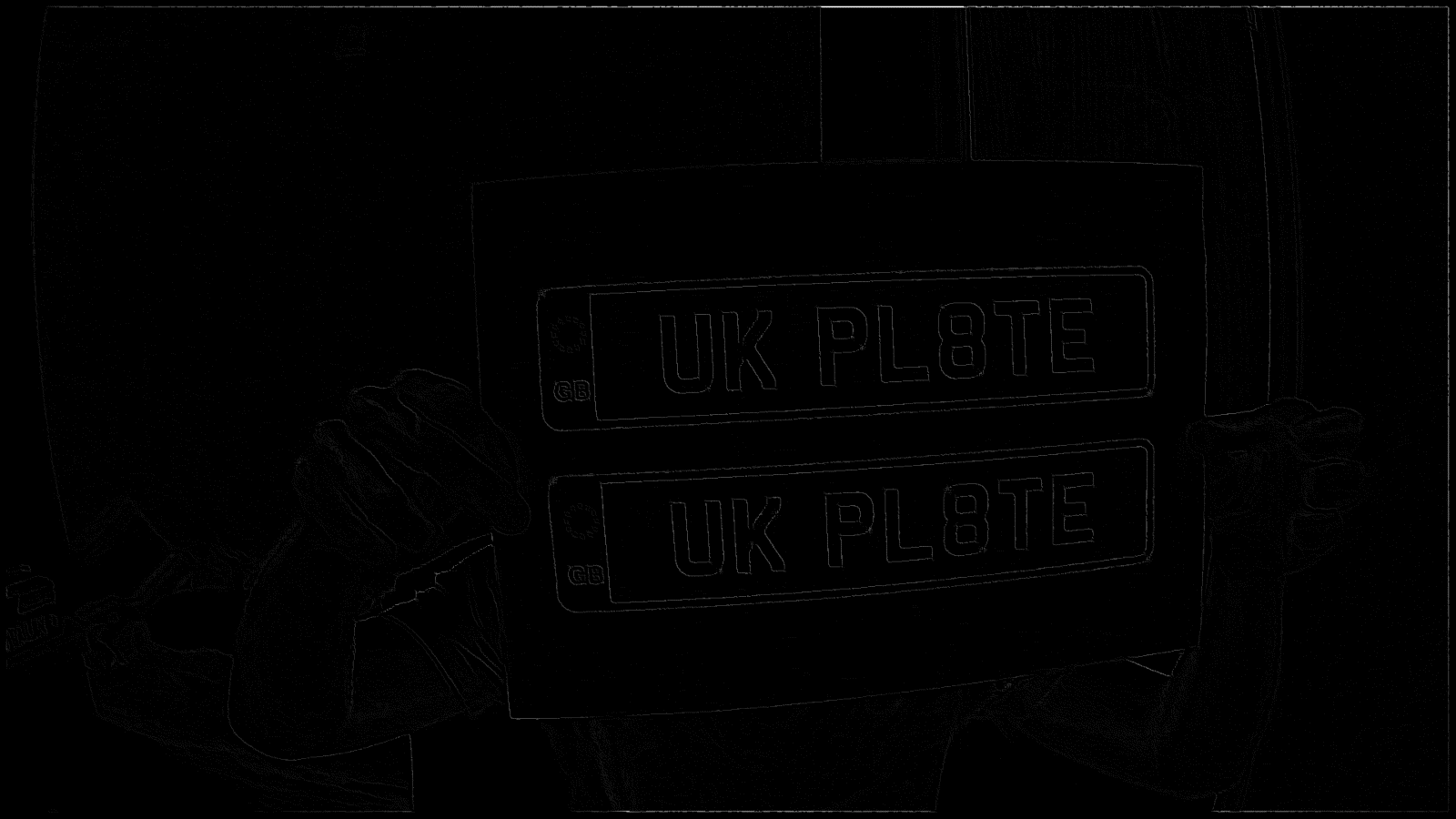
This covers all the possible directions. Testing will need to be conducted to see the results of a system that applies this principle to remove non-maximums.

01/11/2022 – Implementing directionality

Using the above idea, I will now try to create a function that can perform the suppression.



While visually interesting, this is not correct.



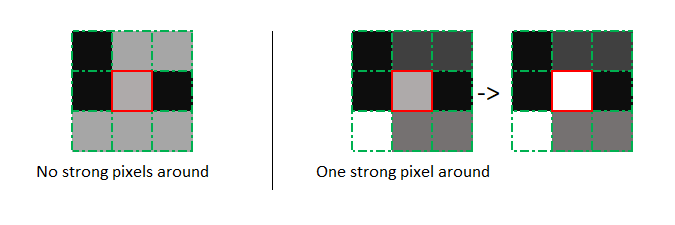
This seems to be working better, converting back to uint8 array seems to correct this. The algorithm seems to work well to at least set all background noise to a very low level. Setting a threshold for a filtering system my be able to extract the stronger pixels.



This seems to work well, but there are several breaks in the lines enclosing the letters, also something will have to be done about the border pixels resulting from the kernel of the gauss and Sobel filters. Some kind of edge linking will have to be performed to double bound the pixels on the image.

02/11/2022 – Pixel hysteresis

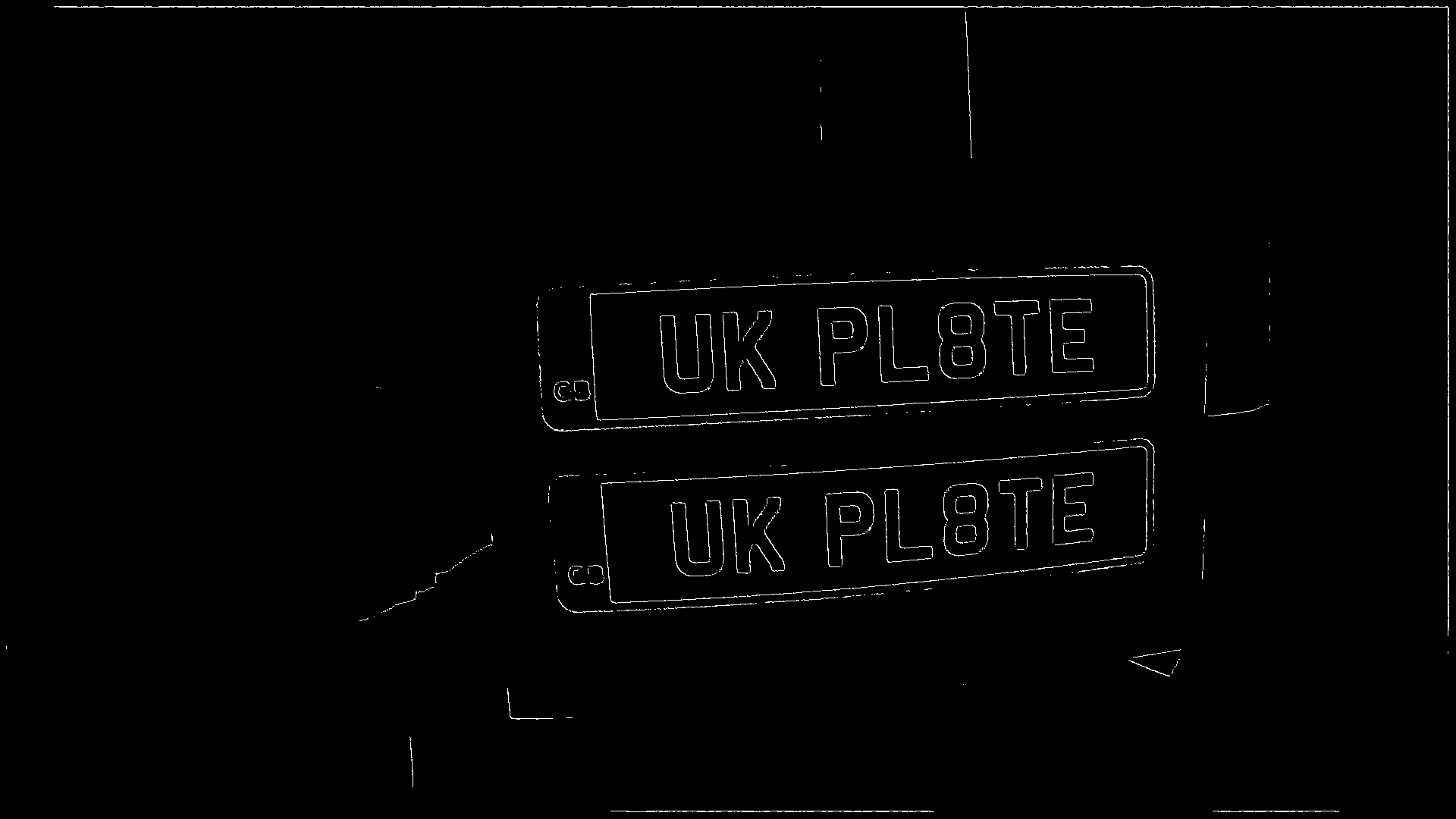
A suggested mode of hysteresis was proposed by the same website that gave the non-max suppression technique. The idea is that a pixel should be set to a ‘strong’ or true value only if it or at least 1 pixel surrounding it were above a certain threshold, else it should be set to a false value.



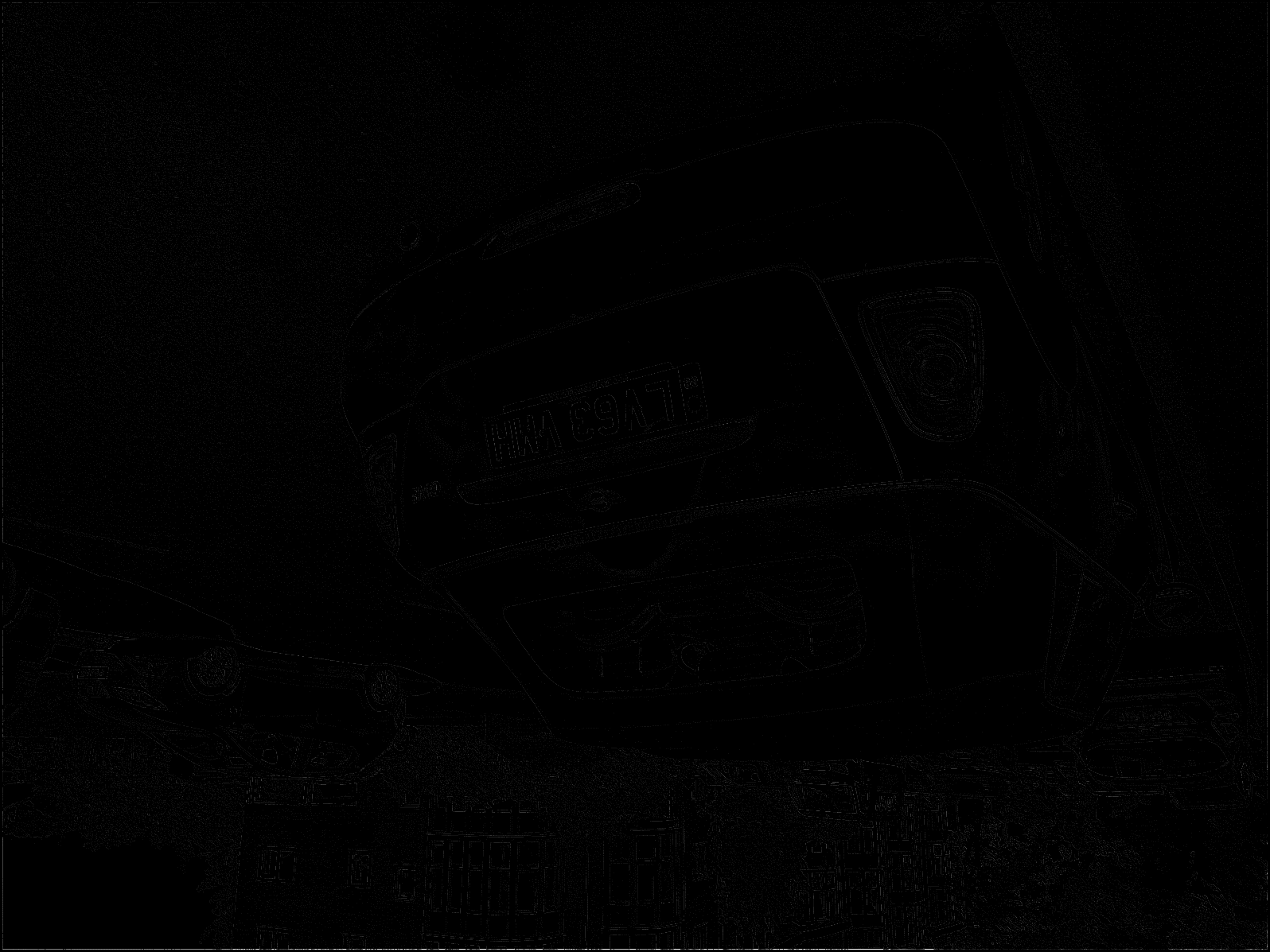
This should perform edge linking, where edges that have pixels that fall below the threshold don’t get broken.



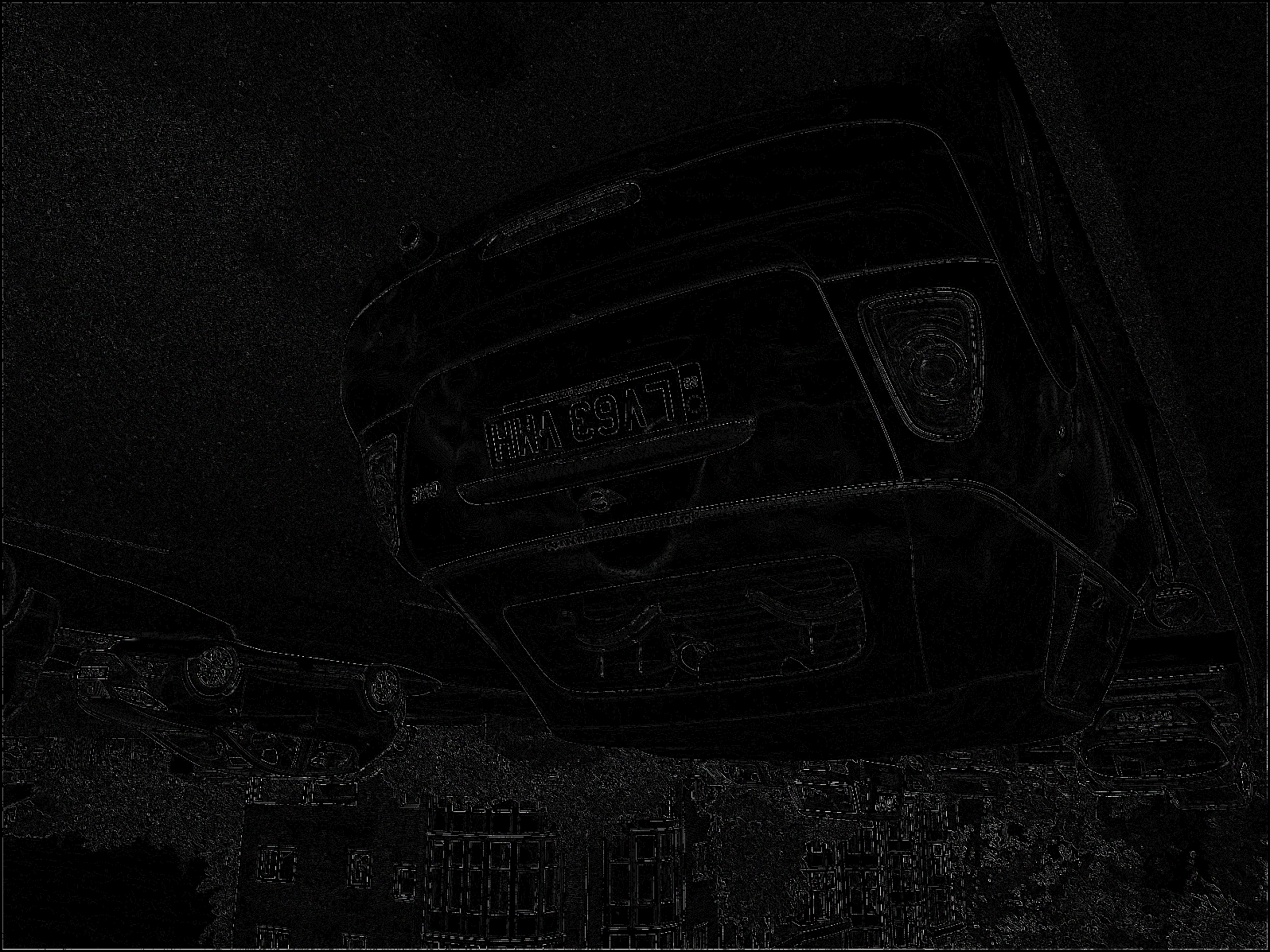
This seems to have worked fairly well, a minor issue is that the threshold had to be set low in order to capture the full bounded area. Additionally, this line is fairly thick. Maybe setting the requirement to 2 adjacent strong pixels will result in a thinner edge line.



The above was edge linked with a requirement of 6 adjacent pixels. Testing several values for pixel requirements, there seems to be a drop-off in what is filtered after 5 pixels, so this could be set as the filter level.



One issue is that after the suppression algorithm the image becomes extremely dim. This is likely the cumulative effects of so many filters on the image, what could be done is a simple doubling of every pixel after the suppression stage. This could be beneficial, as it would increase pixels with higher edge coefficients than lower pixels.



Scaling by a factor of 4 appears to work well.

Text

Description automatically generated

A further problem appears to be that there are small gaps in many edges despite the linking, this could be fixed by expanding the range of adjacency to 2 or 3 pixels away.

Text

Description automatically generated

While having an odd appearance, there appears to be far less gaps in the edges when the radius of adjacency is increased to 3 pixels. This seems to be a mostly effective method for edge linking for noisy images.



On the use of the existing bounding tools, the problems revealed themselves. It will be necessary to simply allow bounded areas to have gaps of a few pixels to allow for this sort of noise in the image. This will likely have to be resolved in the creation of my own bespoke bounding box algorithm.

04/11/2022 – Review of computational needs

I briefly wanted to review what the actual computational needs of processing the expected 1280x720p image would be, to establish whether or not a microcontroller would suffice to perform these calculations in good time.

I will take the Sobel filter and Gaussian blurring stages as the basis of the calculations, as they by far are the most computationally intense, being the only stage involving calculations instead of simple comparison.

Gaussian blur:

Given the kernel size being variable I will select a size of 11 to be a centred size. Taking the convolution output size algorithm to be: (X – ceiling(kernelLen))x(Y - ceiling(kernelLen)) we are left with (1280 - 6)x(720 - 6) = 909636 pixels.

A Gaussian filter involves multiplying and summing all values inside the kernel by a set of integer constants, then dividing by a constant. 11x11 = 144 multiplications + 144 sums + 144 divisions. If we assume that each of these actions will take on average 5 cycles of a CPU, then for each calculated pixel: (144+144+144)\*5 = 2160 cycles per pixel.

Taking the total number of pixels needing calculation and the calculations per pixel: 909636 \* 3456 = 1.965e9 cycles needed to calculate the whole image.

Taking the clock speed of the Raspberry PI Pico to be 133MHz, this means processing an entire image with a gaussian filter alone would take around 15 seconds. This is discounting the necessity of writing and reading to memory and camera interfacing.

Clearly, something will need to be done to reduce the overall image size, otherwise even more powerful devices such as a full PI will struggle.

A solution I have considered is to use another camera in conjunction to the full resolution camera. This camera is a smaller monochrome device (320x320p) that should be easier to process. The reason I am not using this camera is that the resolution may be too low to get any useful data from when capturing images (this will have to be further tested). What this camera could be used for is as a motion monitor, the motion detection could be done with this camera, and the area of motion upscaled and sent to the larger resolution camera to only process that specific area.

Taking a 5 length kernel for the Gauss filter: (320-3)\*(320-3) = 100489 pixels. 5^2\*5 = 125 calculations per pixel. 100489 \* 125 = 12.561e6. This would require a processing time of 0.1 seconds to compute.

For the Sobel filter, a necessary part of motion detection: (kernel size = 3)

(320 - 2)\*(320 - 2) \* (3^2 \* 5) = 4.55e6. The Sobel filter would require 0.035 seconds to be calculated.

Assuming basic image subtraction and threshold testing would take around 0.02 seconds, this totals 0.155 seconds to create a basic coordinate set for the detected motion. These coordinates could then be saved alongside the image from the full resolution camera to be scaled up and used to reduce the resolution of the image.

Assuming an extra 0.25 seconds will be needed to fully transfer the full resolution image from the camera buffer to a storage medium. I get a time per (motion detected) image of 0.405 seconds. This results in ~2.47 images per second as the sheer maximum my likely system could handle. Assuming my system could reasonably expect to detect a vehicle at a 20m distance, if a vehicle was moving 40mph (17.88 m/s) then my system would acquire (20/17.88)\*2.47 = 2.76 -> floor -> 2 images of it. This is likely too low to make an accurate assessment of velocity.

Unless some way to cheapen the motion detection process, then it appears that the idea of using a cheap microcontroller is unfeasible. This is leaving aside the memory issues which would only further plague the system with is 264kB SRAM memory. While this could be upgraded with an external chip, this could only slow the system down further when performing reads.

Despite this, the basic idea of using the lower resolution camera is likely to be useful in general. A full PI model 3B+ has a clock speed of 1.4GHz, which would allow it to process the motion detection in 0.0122 seconds for filtering and likely a very short period of time for all other steps. The storage would be quicker as well with threading potentially able to transfer the old full resolution image to storage while the new low-resolution image is being processed.

Additionally, very few microcontrollers are built to natively include handling of doubles, instead using several int variables behind the scenes. This slows calculation and increases memory usage further; a PI and other micro-computers can handle doubles along with many other types natively so may be a better choice for this type of processing.

A review of devices will have to take place, with some though given to specially developed microcontrollers, but I do not think it will be likely that any specialist device would be cost effective for the specification of a cheap speed tracking device. The PI and other microcomputers seem distinctly levelled to meet the mid-cost high memory application I am going for.