

|  |
| --- |
| **Universidad Internacional de La Rioja (UNIR)**  **ESIT**    **Máster Universitario en Inteligencia Artificial** |
|  |
| Segmentación semántica RGB-D para navegación en interiores |

**Trabajo Fin de Máster**

**Presentado por:** Aldalur Corta, Mikel

**Director/a:** Cobos Guzman, Salvador

Ciudad: Bilbao

Fecha:

**Resumen**

En este apartado se introducirá un breve resumen en español del trabajo realizado (extensión máxima: 150 palabras). Este resumen debe incluir el objetivo o propósito de la investigación, la metodología, los resultados y las conclusiones.

**Palabras Clave:** Se deben incluir de 3 a 5 palabras claves en español

**Abstract**

En este apartado se introducirá un breve resumen en inglés del trabajo realizado (extensión máxima: 150 palabras). Este resumen debe incluir el objetivo o propósito de la investigación, la metodología, los resultados y las conclusiones.

**Keywords:** Se deben incluir de 3 a 5 palabras claves en inglés

**Índice de contenidos**

[1. Introducción 1](#_Toc71221262)

[1.1 Motivación 1](#_Toc71221263)

[1.2 Planteamiento del trabajo 2](#_Toc71221264)

[1.3 Estructura de la memoria 2](#_Toc71221265)

[2. Contexto y estado del arte 3](#_Toc71221266)

[2.1. SLAM mediante visión por computador 3](#_Toc71221267)

[2.1.1. Cámara monocular 3](#_Toc71221268)

[2.1.2. Cámara estéreo doble 5](#_Toc71221269)

[2.1.3. Cámaras estereoscópicas 6](#_Toc71221270)

[2.1.4. LiDAR 8](#_Toc71221271)

[2.3. Detección y segmentación 8](#_Toc71221272)

[2.3.1. Detección de objetos 8](#_Toc71221273)

[2.3.2. Segmentación 11](#_Toc71221274)

[2.3.2. Posición y trayectoria del ser humano 13](#_Toc71221275)

[3. Objetivos y metodología de trabajo 15](#_Toc71221276)

[3.1. Objetivo general 15](#_Toc71221277)

[3.2. Objetivos específicos 15](#_Toc71221278)

[3.3. Metodología del trabajo 16](#_Toc71221279)

[4. Identificación de requisitos 18](#_Toc71221280)

[5. Descripción de la herramienta software desarrollada 19](#_Toc71221281)

[6. Evaluación 20](#_Toc71221282)

[7. Conclusiones y trabajo futuro 21](#_Toc71221283)

[7.1. Conclusiones 21](#_Toc71221284)

[7.2. Líneas de trabajo futuro 21](#_Toc71221285)

[8. Bibliografía 22](#_Toc71221286)

[Anexos 26](#_Toc71221287)

[Anexo I. Título del anexo I 26](#_Toc71221288)

[Anexo II. Título del anexo II 26](#_Toc71221289)

[Anexo. Artículo de investigación 26](#_Toc71221290)

**Índice de tablas**

[Tabla 1: Planificación de esprints para el proyecto 17](#_Toc71221261)

**Índice de figuras**

[Figura 1: Imagen utilizando el algoritmo ORB para detectar objetos mediante características (http://jematoscv.blogspot.com/2014/05/matching-features-with-orb-using-opencv.html). 4](#_Toc71221243)

[Figura 2: Simulación ORB SLAM de desde diferentes prespectivas (https://image.slidesharecdn.com/orb-slamntu-170423052928/95/orb-slam-proposal-for-ntu-gpu-programming-course-2016-8-638.jpg?cb=1492932027). 4](#_Toc71221244)

[Figura 3: Sistema 3D creado por ORB-SLAM (https://image.slidesharecdn.com/orb-slamntu-170423052928/95/orb-slam-proposal-for-ntu-gpu-programming-course-2016-8-638.jpg?cb=1492932027). 5](#_Toc71221245)

[Figura 4: Principios de ajuste para cámaras estéreo (https://www.researchgate.net/figure/Principle-drawing-of-a-stereo-camera-setup-Objects-1-2-in-various-depth-ranges-are\_fig5\_303307354). 5](#_Toc71221246)

[Figura 5: Generando un mapa de cámaras estéreo (https://www.researchgate.net/figure/Stereo-visual-SLAM-system-overview-First-we-undistort-and-rectify-the-stereo-images\_fig1\_257523126). 6](#_Toc71221247)

[Figura 6: Tipo cámara estéreo ZED (https://www.stereolabs.com/zed-2/). 6](#_Toc71221248)

[Figura 7: cámara Intel-RealSense-D435i (https://simplecore.intel.com/newsroom/wp-content/uploads/sites/11/2018/11/Intel-RealSense-D435i-1.jpg). 7](#_Toc71221249)

[Figura 8: Imagen de profundidad de la cámara estereoscópica (https://github.com/IntelRealSense/librealsense/issues/4271). 7](#_Toc71221250)

[Figura 9: Creación de SLAM mediante cámaras estereoscópicas (Zhang et al., 2021). 7](#_Toc71221251)

[Figura 10: Ejemplo de detector de cara con Haar Cascade (https://miro.medium.com/max/2330/1\*ELoJu38cHKMb8e3\_IVz\_eA.png). 9](#_Toc71221252)

[Figura 11: Comparando los algoritmos de detección de objetos en base al tiempo de respuesta(Bochkovskiy et al., 2020). 10](#_Toc71221253)

[Figura 12: Evolución de Imagenet (http://cs231n.stanford.edu/slides/2017/cs231n\_2017\_lecture11.pdf). 10](#_Toc71221254)

[Figura 13: Imagen exterior segmentada (https://www.researchgate.net/figure/Illustration-of-challenges-in-semantic-segmentation-a-Input-Image-b-Ground-Truth\_fig1\_332186435). 11](#_Toc71221255)

[Figura 14: Mapa semántico para navegación (Deng et al., 2020). 11](#_Toc71221256)

[Figura 15: Detección de objetos y segmentación de una imagen (https://blogs.unity3d.com/2021/04/19/supercharge-your-computer-vision-models-with-synthetic-datasets-built-by-unity/). 12](#_Toc71221257)

[Figura 16: Estimación de posicionamiento de humanos en entorno segmentado (Seichter et al., 2020). 13](#_Toc71221258)

[Figura 17: Segmentación de trayectorias después de procesado (Tamaki et al., 2019). 13](#_Toc71221259)

[Figura 18: Ejemplo de la metodología Scrum (https://www.eclee.com/wp-content/uploads/2020/01/Scrum\_Pic.png). 16](#_Toc71221260)

# 1. Introducción

La navegación autónoma es cada vez más popular entre los robots y los vehículos móviles. De esta manera estos robots o vehículos pueden moverse en base a los sensores de captación que integran, siendo necesario la efectividad y la correcta limitación de navegación. Las disciplinas de visión por computador y aprendizaje automático son las que realizan la investigación en el área de navegación autónoma y cada vez realizan avances más elaborados y profundos.

Estos avances han ayudado a que los robots sean cada vez más fiables en cuanto a evitar la colisión con los obstáculos del entorno, crear mapa de navegación, percepción de personas o la segmentación. Los procesos de analizar el entorno han ido cambiando y la seguridad de estos sistemas es esencial en los entornos donde se encuentran personas, animales, plantas o cualquier tipo de obstáculo. La navegación puede ser dentro de un entorno aprendido o un entorno nuevo según las necesidades, pero en todos los casos es necesario identificar o captar bien el entorno para luego poder elegir el camino adecuado. Como ejemplos podemos tener diferentes tipos de entornos como oficinas, escuelas, hospitales o cualquier tipo de edificio donde se quiera introducir un robot.

## 1.1 Motivación

Los robots autónomos son de una gran ayuda para realizar cualquier tarea y la navegación y la percepción son unos de los puntos en los que se están realizando las mejorando. Hoy en día, podemos ver cómo los robots nos limpian la casa, acompañan a personas, realizan búsquedas de elementos en diferentes entornos o realizan las tareas de inventario de almacenes. Estos robots tienen que ser seguros y evitar todos los obstáculos. Estos obstáculos pueden ser seres vivos y pueden estar en peligro si el robot no realiza bien su trabajo.

La segmentación es una de las áreas en progreso para este tipo de problemática y los últimos avances de la navegación autónoma se centran en la visión por computador para realizarla. La segmentación mediante la captación de imágenes del entorno es esencial para que un robot navegue autónomamente con la suficiente fiabilidad y seguridad para que no ocurra ningún imprevisto.

Es necesario entrenar a los modelos de visión por computador mediante el aprendizaje automático para que realicen una segmentación correcta de los elementos que se encuentran en el entorno y los clasifique para que el robot tenga claro cuál es el sitio por donde puede circular. El robot tiene que navegar tanto en el interior como exterior y tiene que ser capaz de tomar decisiones correctas a la hora de realizar la navegación, aunque el entorno sea desconocido.

## 1.2 Planteamiento del trabajo

En este trabajo se intenta abordar el problema en los entornos de interior donde el robot tiene que elegir el camino por donde circular. Para ello, en vez de utilizar solo un sensor RGB para la segmentación, se utilizará un sensor RGB-D para tener una mejor segmentación donde se le añade la profundidad del entorno. A la cámara Intel RealSense D435i se le añadirá un sistema de aprendizaje profundo para detectar las trayectorias de los humanos para que realice una correcta segmentación.

Para la movilidad se necesita un robot que sea capaz de realizar movimientos en el entorno. Este robot móvil será el que se llama Jetbot, el robot móvil de software libre que utiliza como módulo de control el kit de desarrollo Jetson Nano. Al robot se le añadirá un sistema de navegación para que puede moverse de forma autónoma.

Todo el software irá dentro del framework ROS “Robot Operating System”, el software libre que facilita el desarrollo de los proyectos robóticos.

## 1.3 Estructura de la memoria

En el capítulo 2 se realiza el análisis y estado del arte de todo lo referente a los robots móviles y la percepción por computador. Se analizan diferentes publicaciones como sistemas de percepción de entorno para la localización y mapeo simultáneo (SLAM), Detección de objetos o segmentación semántica. Se parte de conceptos básicos para finalmente centrarse en los conceptos que se abordaran en el presente trabajo.

En el capítulo 3 se detallan los objetivos y la metodología a utilizar, mientras que en el capítulo 4 se identifican los requisitos para la elaboración del presente trabajo de la herramienta software.

Todo el desarrollo a detalle se lleva a cabo en el capítulo 5 y seguidamente se muestran los resultados obtenidos en el capítulo 6, las pruebas realizada y sus valoraciones para ser mas exactos. Finalmente, en el capítulo 7 se muestran las conclusiones obtenidas.

# 2. Contexto y estado del arte

La navegación autónoma está avanzando a pasos agigantados, para ello son evidentes los coches autónomos, robots humanoides o cuadrúpedos que ayudan en muchas de las tareas que tienen que realizar los seres humanos. La interacción de los robots con la humanidad también está creciendo ya que cada vez es más seguro y viable, por el avance de la tecnología y la investigación en este ámbito. La utilización de los diferentes sistemas, con extensas características, es indispensable para establecer la seguridad de los humanos y del entorno. En este apartado se analizarán estos elementos y algoritmos de procesamiento de esta información.

## 2.1. SLAM mediante visión por computador

La visión por ordenador se encarga de capturar y procesar las imágenes. Existen diferentes algoritmos para procesar las imágenes y obtener una perspectiva de tres dimensiones. En este apartado se analizan diferentes formas de crear un mapa utilizando diferentes configuraciones de cámaras para que los robots autónomos tengan conocimiento previo del entorno.

### 2.1.1. Cámara monocular

Las cámaras monoculares, las que se han utilizado toda la vida para sacar las fotos, son las más utilizada en todos los sistemas por la simplicidad y el pequeño coste que suponen. Con estas cámaras y los algoritmos desarrollados hasta ahora, se pueden realizar muchas operaciones.

Para obtener la posición de un elemento o comparar los elementos de las imágenes se utilizan los algoritmos de extracción de características. Con la extracción de las características se sacan los descriptores que se compararan con la siguiente imagen. Uno de los algoritmos utilizados es rotated brief (ORB) (R. Wang et al., 2019), que viene después de varios algoritmos como SIFT o SURF para mejorar la eficiencia y el coste computacional.

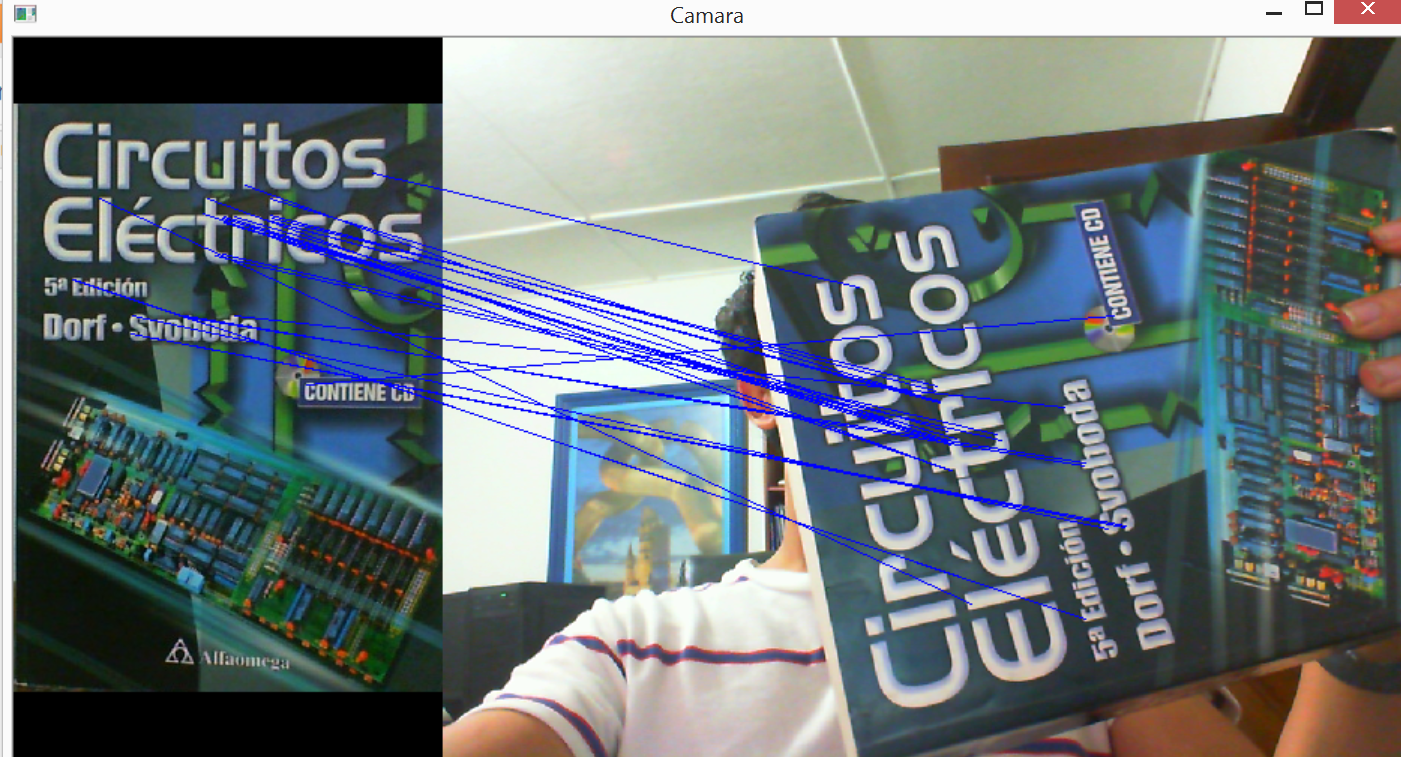


Figura 1: Imagen utilizando el algoritmo ORB para detectar objetos mediante características (<http://jematoscv.blogspot.com/2014/05/matching-features-with-orb-using-opencv.html>).

Este mismo algoritmo que se utiliza para la detección de objetos, realizar las imágenes panorámicas o para la mejora de imágenes en movimiento, también se ha utilizado en conjunto con una unidad de mediciones de inercia (IMU) para crear mapas de tres dimensiones (Mur-Artal et al., 2015). Con el sensor de inercias para detección de velocidad, orientación y aceleraciones se capta el movimiento realizado entre cada fotograma y realiza la estimación del entorno en 3D.

Diagrama

Descripción generada automáticamente

Figura 2: Simulación ORB SLAM de desde diferentes prespectivas (<https://image.slidesharecdn.com/orb-slamntu-170423052928/95/orb-slam-proposal-for-ntu-gpu-programming-course-2016-8-638.jpg?cb=1492932027>).

La diferencia de movimiento calculado por el sensor IMU y los puntos generados en cada fotograma se convierten en un sistema de varias fotos con diferentes perspectivas que puede ser generada a un sistema de tres dimensiones.

Diagrama

Descripción generada automáticamente

Figura 3: Sistema 3D creado por ORB-SLAM (<https://image.slidesharecdn.com/orb-slamntu-170423052928/95/orb-slam-proposal-for-ntu-gpu-programming-course-2016-8-638.jpg?cb=1492932027>).

### 2.1.2. Cámara estéreo doble

El sistema monocular puede funcionar bien para ciertas funcionalidades, pero para asegurarse de que las mediciones se hacen de una manera más exacta, siempre es mejor contar con dos cámaras.

Diagrama

Descripción generada automáticamente

Figura 4: Principios de ajuste para cámaras estéreo (<https://www.researchgate.net/figure/Principle-drawing-of-a-stereo-camera-setup-Objects-1-2-in-various-depth-ranges-are_fig5_303307354>).

El sistema de funcionalidad es similar a la de cámara monocular, la diferencia es que estas cámaras, cada una de ellas, tienen diferentes ángulos de visión tal y como se puede ver en la Figura 4. Se ve claramente que la perspectiva de la profundidad se plasma en las dos imágenes que ayudan a realizar las medidas necesarias para obtener la visión estéreo (Zaarane et al., 2020). En este caso se puede ver que con las cámaras estéreo es posible medir las distancias para detectar obstáculos.

Diagrama

Descripción generada automáticamente

Figura 5: Generando un mapa de cámaras estéreo (<https://www.researchgate.net/figure/Stereo-visual-SLAM-system-overview-First-we-undistort-and-rectify-the-stereo-images_fig1_257523126>).

Estos sistemas también se utilizan para generar mapas de entornos ya que tienen referencias más precisas de las que se obtienen con cámara monocular (Krombach et al., 2018). Se extraen las características del entorno y las distancias para que en cada fotograma que se detecte el movimiento se autogeneren los punto y distancias generando mapas de tres dimensiones.



Figura 6: Tipo cámara estéreo ZED (<https://www.stereolabs.com/zed-2/>).

Podemos visualizar en la Figura 6 el tipo de cámaras que se utilizan como sistema de captura estéreo. Puede ser que haya dos cámaras instaladas independientemente o que las cámaras estén dentro de un encapsulado como la que vemos en la imagen.

### 2.1.3. Cámaras estereoscópicas

Las cámaras estéreo no son las únicas que pueden ser más exactas. Las cámaras estereoscópicas son otro tipo de cámaras que pueden medir las distancias. Como ejemplo la cámara Intel RealSense D435i que tiene un sensor infrarrojo para la detección de profundidad con dos receptores diferentes, con similar función a la cámara estéreo, y la cámara RGB.

![Imagen que contiene Interfaz de usuario gráfica

Descripción generada automáticamente](data:image/jpeg;base64,/9j/4AAQSkZJRgABAgEAYABgAAD/4RoIRXhpZgAATU0AKgAAAAgACgEOAAIAAAFCAAAIkgE7AAIAAAASAAAJ1IKYAAIAAAASAAAJ5odpAAQAAAABAAAJ+JybAAEAAAKEAAASGJycAAEAAAKEAAAUnJydAAEAAAAkAAAXIJyeAAEAAAA4AAAXRJyfAAEAAAKEAAAXfOocAAcAAAgMAAAAhgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFRoZSBJbnRlbCBSZWFsU2Vuc2UgRGVwdGggQ2FtZXJhIEQ0MzVpIGluY2x1ZGVzIGFuIGluZXJ0aWFsIG1lYXN1cmVtZW50IHVuaXQgdGhhdCBlbmFibGVzIGRldmVsb3BlcnMgdG8gY3JlYXRlIHNvbHV0aW9ucyB3aXRoIG1vcmUgYWR2YW5jZWQgZGVwdGgtc2Vuc2luZyBhbmQgdHJhY2tpbmcgY2FwYWJpbGl0aWVzIGZvciBhcHBsaWNhdGlvbnMgaW5jbHVkaW5nIGRyb25lcywgcm9ib3RpY3MgYW5kIGdhbWluZy4gSW50ZWwgQ29ycG9yYXRpb24gaW50cm9kdWNlZCB0aGUgY2FtZXJhIG9uIE5vdi4gMTMsIDIwMTguIChDcmVkaXQ6IEludGVsIENvcnBvcmF0aW9uKQBJbnRlbCBDb3Jwb3JhdGlvbgBJbnRlbCBDb3Jwb3JhdGlvbgAAAeocAAcAAAgMAAAKCgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAVABoAGUAIABJAG4AdABlAGwAIABSAGUAYQBsAFMAZQBuAHMAZQAgAEQAZQBwAHQAaAAgAEMAYQBtAGUAcgBhACAARAA0ADMANQBpACAAaQBuAGMAbAB1AGQAZQBzACAAYQBuACAAaQBuAGUAcgB0AGkAYQBsACAAbQBlAGEAcwB1AHIAZQBtAGUAbgB0ACAAdQBuAGkAdAAgAHQAaABhAHQAIABlAG4AYQBiAGwAZQBzACAAZABlAHYAZQBsAG8AcABlAHIAcwAgAHQAbwAgAGMAcgBlAGEAdABlACAAcwBvAGwAdQB0AGkAbwBuAHMAIAB3AGkAdABoACAAbQBvAHIAZQAgAGEAZAB2AGEAbgBjAGUAZAAgAGQAZQBwAHQAaAAtAHMAZQBuAHMAaQBuAGcAIABhAG4AZAAgAHQAcgBhAGMAawBpAG4AZwAgAGMAYQBwAGEAYgBpAGwAaQB0AGkAZQBzACAAZgBvAHIAIABhAHAAcABsAGkAYwBhAHQAaQBvAG4AcwAgAGkAbgBjAGwAdQBkAGkAbgBnACAAZAByAG8AbgBlAHMALAAgAHIAbwBiAG8AdABpAGMAcwAgAGEAbgBkACAAZwBhAG0AaQBuAGcALgAgAEkAbgB0AGUAbAAgAEMAbwByAHAAbwByAGEAdABpAG8AbgAgAGkAbgB0AHIAbwBkAHUAYwBlAGQAIAB0AGgAZQAgAGMAYQBtAGUAcgBhACAAbwBuACAATgBvAHYALgAgADEAMwAsACAAMgAwADEAOAAuACAAKABDAHIAZQBkAGkAdAA6ACAASQBuAHQAZQBsACAAQwBvAHIAcABvAHIAYQB0AGkAbwBuACkAAABUAGgAZQAgAEkAbgB0AGUAbAAgAFIAZQBhAGwAUwBlAG4AcwBlACAARABlAHAAdABoACAAQwBhAG0AZQByAGEAIABEADQAMwA1AGkAIABpAG4AYwBsAHUAZABlAHMAIABhAG4AIABpAG4AZQByAHQAaQBhAGwAIABtAGUAYQBzAHUAcgBlAG0AZQBuAHQAIAB1AG4AaQB0ACAAdABoAGEAdAAgAGUAbgBhAGIAbABlAHMAIABkAGUAdgBlAGwAbwBwAGUAcgBzACAAdABvACAAYwByAGUAYQB0AGUAIABzAG8AbAB1AHQAaQBvAG4AcwAgAHcAaQB0AGgAIABtAG8AcgBlACAAYQBkAHYAYQBuAGMAZQBkACAAZABlAHAAdABoAC0AcwBlAG4AcwBpAG4AZwAgAGEAbgBkACAAdAByAGEAYwBrAGkAbgBnACAAYwBhAHAAYQBiAGkAbABpAHQAaQBlAHMAIABmAG8AcgAgAGEAcABwAGwAaQBjAGEAdABpAG8AbgBzACAAaQBuAGMAbAB1AGQAaQBuAGcAIABkAHIAbwBuAGUAcwAsACAAcgBvAGIAbwB0AGkAYwBzACAAYQBuAGQAIABnAGEAbQBpAG4AZwAuACAASQBuAHQAZQBsACAAQwBvAHIAcABvAHIAYQB0AGkAbwBuACAAaQBuAHQAcgBvAGQAdQBjAGUAZAAgAHQAaABlACAAYwBhAG0AZQByAGEAIABvAG4AIABOAG8AdgAuACAAMQAzACwAIAAyADAAMQA4AC4AIAAoAEMAcgBlAGQAaQB0ADoAIABJAG4AdABlAGwAIABDAG8AcgBwAG8AcgBhAHQAaQBvAG4AKQAAAEkAbgB0AGUAbAAgAEMAbwByAHAAbwByAGEAdABpAG8AbgAAAEkAbgB0AGUAbAA7AEkAbgB0AGUAbAAgAFIAZQBhAGwAUwBlAG4AcwBlACAARAA0ADMANQBpAAAAVABoAGUAIABJAG4AdABlAGwAIABSAGUAYQBsAFMAZQBuAHMAZQAgAEQAZQBwAHQAaAAgAEMAYQBtAGUAcgBhACAARAA0ADMANQBpACAAaQBuAGMAbAB1AGQAZQBzACAAYQBuACAAaQBuAGUAcgB0AGkAYQBsACAAbQBlAGEAcwB1AHIAZQBtAGUAbgB0ACAAdQBuAGkAdAAgAHQAaABhAHQAIABlAG4AYQBiAGwAZQBzACAAZABlAHYAZQBsAG8AcABlAHIAcwAgAHQAbwAgAGMAcgBlAGEAdABlACAAcwBvAGwAdQB0AGkAbwBuAHMAIAB3AGkAdABoACAAbQBvAHIAZQAgAGEAZAB2AGEAbgBjAGUAZAAgAGQAZQBwAHQAaAAtAHMAZQBuAHMAaQBuAGcAIABhAG4AZAAgAHQAcgBhAGMAawBpAG4AZwAgAGMAYQBwAGEAYgBpAGwAaQB0AGkAZQBzACAAZgBvAHIAIABhAHAAcABsAGkAYwBhAHQAaQBvAG4AcwAgAGkAbgBjAGwAdQBkAGkAbgBnACAAZAByAG8AbgBlAHMALAAgAHIAbwBiAG8AdABpAGMAcwAgAGEAbgBkACAAZwBhAG0AaQBuAGcALgAgAEkAbgB0AGUAbAAgAEMAbwByAHAAbwByAGEAdABpAG8AbgAgAGkAbgB0AHIAbwBkAHUAYwBlAGQAIAB0AGgAZQAgAGMAYQBtAGUAcgBhACAAbwBuACAATgBvAHYALgAgADEAMwAsACAAMgAwADEAOAAuACAAKABDAHIAZQBkAGkAdAA6ACAASQBuAHQAZQBsACAAQwBvAHIAcABvAHIAYQB0AGkAbwBuACkAAAD/4RExaHR0cDovL25zLmFkb2JlLmNvbS94YXAvMS4wLwA8P3hwYWNrZXQgYmVnaW49J++7vycgaWQ9J1c1TTBNcENlaGlIenJlU3pOVGN6a2M5ZCc/Pg0KPHg6eG1wbWV0YSB4bWxuczp4PSJhZG9iZTpuczptZXRhLyI+PHJkZjpSREYgeG1sbnM6cmRmPSJodHRwOi8vd3d3LnczLm9yZy8xOTk5LzAyLzIyLXJkZi1zeW50YXgtbnMjIj48cmRmOkRlc2NyaXB0aW9uIHJkZjphYm91dD0idXVpZDpmYWY1YmRkNS1iYTNkLTExZGEtYWQzMS1kMzNkNzUxODJmMWIiIHhtbG5zOmRjPSJodHRwOi8vcHVybC5vcmcvZGMvZWxlbWVudHMvMS4xLyIvPjxyZGY6RGVzY3JpcHRpb24gcmRmOmFib3V0PSJ1dWlkOmZhZjViZGQ1LWJhM2QtMTFkYS1hZDMxLWQzM2Q3NTE4MmYxYiIgeG1sbnM6ZGM9Imh0dHA6Ly9wdXJsLm9yZy9kYy9lbGVtZW50cy8xLjEvIj48ZGM6Y3JlYXRvcj48cmRmOlNlcSB4bWxuczpyZGY9Imh0dHA6Ly93d3cudzMub3JnLzE5OTkvMDIvMjItcmRmLXN5bnRheC1ucyMiPjxyZGY6bGk+SW50ZWwgQ29ycG9yYXRpb248L3JkZjpsaT48L3JkZjpTZXE+DQoJCQk8L2RjOmNyZWF0b3I+PGRjOnJpZ2h0cz48cmRmOkFsdCB4bWxuczpyZGY9Imh0dHA6Ly93d3cudzMub3JnLzE5OTkvMDIvMjItcmRmLXN5bnRheC1ucyMiPjxyZGY6bGkgeG1sOmxhbmc9IngtZGVmYXVsdCI+SW50ZWwgQ29ycG9yYXRpb248L3JkZjpsaT48L3JkZjpBbHQ+DQoJCQk8L2RjOnJpZ2h0cz48ZGM6c3ViamVjdD48cmRmOkJhZyB4bWxuczpyZGY9Imh0dHA6Ly93d3cudzMub3JnLzE5OTkvMDIvMjItcmRmLXN5bnRheC1ucyMiPjxyZGY6bGk+SW50ZWw8L3JkZjpsaT48cmRmOmxpPkludGVsIFJlYWxTZW5zZSBENDM1aTwvcmRmOmxpPjwvcmRmOkJhZz4NCgkJCTwvZGM6c3ViamVjdD48ZGM6dGl0bGU+PHJkZjpBbHQgeG1sbnM6cmRmPSJodHRwOi8vd3d3LnczLm9yZy8xOTk5LzAyLzIyLXJkZi1zeW50YXgtbnMjIj48cmRmOmxpIHhtbDpsYW5nPSJ4LWRlZmF1bHQiPlRoZSBJbnRlbCBSZWFsU2Vuc2UgRGVwdGggQ2FtZXJhIEQ0MzVpIGluY2x1ZGVzIGFuIGluZXJ0aWFsIG1lYXN1cmVtZW50IHVuaXQgdGhhdCBlbmFibGVzIGRldmVsb3BlcnMgdG8gY3JlYXRlIHNvbHV0aW9ucyB3aXRoIG1vcmUgYWR2YW5jZWQgZGVwdGgtc2Vuc2luZyBhbmQgdHJhY2tpbmcgY2FwYWJpbGl0aWVzIGZvciBhcHBsaWNhdGlvbnMgaW5jbHVkaW5nIGRyb25lcywgcm9ib3RpY3MgYW5kIGdhbWluZy4gSW50ZWwgQ29ycG9yYXRpb24gaW50cm9kdWNlZCB0aGUgY2FtZXJhIG9uIE5vdi4gMTMsIDIwMTguIChDcmVkaXQ6IEludGVsIENvcnBvcmF0aW9uKTwvcmRmOmxpPjwvcmRmOkFsdD4NCgkJCTwvZGM6dGl0bGU+PGRjOmRlc2NyaXB0aW9uPjxyZGY6QWx0IHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpsaSB4bWw6bGFuZz0ieC1kZWZhdWx0Ij5UaGUgSW50ZWwgUmVhbFNlbnNlIERlcHRoIENhbWVyYSBENDM1aSBpbmNsdWRlcyBhbiBpbmVydGlhbCBtZWFzdXJlbWVudCB1bml0IHRoYXQgZW5hYmxlcyBkZXZlbG9wZXJzIHRvIGNyZWF0ZSBzb2x1dGlvbnMgd2l0aCBtb3JlIGFkdmFuY2VkIGRlcHRoLXNlbnNpbmcgYW5kIHRyYWNraW5nIGNhcGFiaWxpdGllcyBmb3IgYXBwbGljYXRpb25zIGluY2x1ZGluZyBkcm9uZXMsIHJvYm90aWNzIGFuZCBnYW1pbmcuIEludGVsIENvcnBvcmF0aW9uIGludHJvZHVjZWQgdGhlIGNhbWVyYSBvbiBOb3YuIDEzLCAyMDE4LiAoQ3JlZGl0OiBJbnRlbCBDb3Jwb3JhdGlvbik8L3JkZjpsaT48L3JkZjpBbHQ+DQoJCQk8L2RjOmRlc2NyaXB0aW9uPjwvcmRmOkRlc2NyaXB0aW9uPjxyZGY6RGVzY3JpcHRpb24gcmRmOmFib3V0PSJ1dWlkOmZhZjViZGQ1LWJhM2QtMTFkYS1hZDMxLWQzM2Q3NTE4MmYxYiIgeG1sbnM6TWljcm9zb2Z0UGhvdG89Imh0dHA6Ly9ucy5taWNyb3NvZnQuY29tL3Bob3RvLzEuMC8iLz48cmRmOkRlc2NyaXB0aW9uIHJkZjphYm91dD0idXVpZDpmYWY1YmRkNS1iYTNkLTExZGEtYWQzMS1kMzNkNzUxODJmMWIiIHhtbG5zOk1pY3Jvc29mdFBob3RvPSJodHRwOi8vbnMubWljcm9zb2Z0LmNvbS9waG90by8xLjAvIj48TWljcm9zb2Z0UGhvdG86TGFzdEtleXdvcmRYTVA+PHJkZjpCYWcgeG1sbnM6cmRmPSJodHRwOi8vd3d3LnczLm9yZy8xOTk5LzAyLzIyLXJkZi1zeW50YXgtbnMjIj48cmRmOmxpPkludGVsPC9yZGY6bGk+PHJkZjpsaT5JbnRlbCBSZWFsU2Vuc2UgRDQzNWk8L3JkZjpsaT48L3JkZjpCYWc+DQoJCQk8L01pY3Jvc29mdFBob3RvOkxhc3RLZXl3b3JkWE1QPjwvcmRmOkRlc2NyaXB0aW9uPjwvcmRmOlJERj48L3g6eG1wbWV0YT4NCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgPD94cGFja2V0IGVuZD0ndyc/Pv/bAEMAAgEBAQEBAgEBAQICAgICBAMCAgICBQQEAwQGBQYGBgUGBgYHCQgGBwkHBgYICwgJCgoKCgoGCAsMCwoMCQoKCv/bAEMBAgICAgICBQMDBQoHBgcKCgoKCgoKCgoKCgoKCgoKCgoKCgoKCgoKCgoKCgoKCgoKCgoKCgoKCgoKCgoKCgoKCv/AABEIB9AH0AMBIgACEQEDEQH/xAAfAAABBQEBAQEBAQAAAAAAAAAAAQIDBAUGBwgJCgv/xAC1EAACAQMDAgQDBQUEBAAAAX0BAgMABBEFEiExQQYTUWEHInEUMoGRoQgjQrHBFVLR8CQzYnKCCQoWFxgZGiUmJygpKjQ1Njc4OTpDREVGR0hJSlNUVVZXWFlaY2RlZmdoaWpzdHV2d3h5eoOEhYaHiImKkpOUlZaXmJmaoqOkpaanqKmqsrO0tba3uLm6wsPExcbHyMnK0tPU1dbX2Nna4eLj5OXm5+jp6vHy8/T19vf4+fr/xAAfAQADAQEBAQEBAQEBAAAAAAAAAQIDBAUGBwgJCgv/xAC1EQACAQIEBAMEBwUEBAABAncAAQIDEQQFITEGEkFRB2FxEyIygQgUQpGhscEJIzNS8BVictEKFiQ04SXxFxgZGiYnKCkqNTY3ODk6Q0RFRkdISUpTVFVWV1hZWmNkZWZnaGlqc3R1dnd4eXqCg4SFhoeIiYqSk5SVlpeYmZqio6Slpqeoqaqys7S1tre4ubrCw8TFxsfIycrS09TV1tfY2dri4+Tl5ufo6ery8/T19vf4+fr/2gAMAwEAAhEDEQA/AP38ooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAoo4IooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKDQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRR25ooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiigUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFHvRQAUUUUAFFFFABRRRQAUUUUAFFGaKACiiigAooooAKKOOtH0oAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKADIooooAKKKKACiiigAooooAKKKKADt1/Oiijg0AFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAB9KKKKACiiigAooo6UAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUGiigAooooAKKKKACiiigAooooAKKKKADrRRRQAUUc0UAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAB29aKKKACiiigAooooAKKKKACij6UUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAHSiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKOnU0AFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABQPpRRQAUdKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKADAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKADr3ooooAKKKKACiiigAoowMYooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAOlFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFGKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAODRjnNFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUZHrRQAUUe1FABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFHFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFBOOTRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAHHSiiigAooooAKKKKAD8KKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAD6UUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAHGaKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiij/OKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooo4zQAUd+tFFABRRRQAUUUdRQAUUUUAFFFFABRRRQAUAYoooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAoo4zRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFGKKKACij6UUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUfjRQAUUUUAFFFFAB0ooooAKKKKACiiigAooooAKKKKACiiigAooxzmigAooooAKKKKACiiigAooooAKKKKACijgUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAdaKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooH1ooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAo60UUAFFFFABRRRQAUUUUAFFFFABRRRQAdqKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKOtABRRR2/xoAKKKKACiiigAooooAKKKKAD6UUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABR0oooAKKKKACiiigAooooAKKKKACiiigAoo4IooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKOlFFABRRRQAUUUUAFFFFABRRRQAcdKKKKACjjpRRQAUUUGgAooooAKKKKACiiigAooFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRR2ooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiijtxQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABR25oooAKKKKACiiigAooooAKKKKACiiigAooooAKOveiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACijmigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKPpRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFHQdKACiijpxQAUUUUAFHGaKKACijgUUAFFFFABRRR1oAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigANFFFABRRRQAUUdKKACiiigAooooAKKKKACiiigAooooAKKOCKKAD8KKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKPpQAUUUUAHGKKKKACiiigAooooAKKKKACiiigAooooAKKKKADg0UUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAdv8KKKKADrRRRQAUUUUAFFHSigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKOKKACiiigAooooAKKKKACiiigAooooAD0ooooAKKKB0oAKKKKACiiigAooooAKKKKACiiigAooooABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRR1ooAKKKKACiiigAooo696ACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKDQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRQP60UAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABR0oooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigA/GiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKADtzRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUDpRRQAUUUUAFFFFABRRRQAUUUUAFFFFAAfxooooAKKKKACiiigAo96KKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKOKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACjvRRQADmj6UUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFHWgAooooAKKKKACiiigAooooAKKKKACiiigAoo6UUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFHb1ooAKKKKACiiigAooooAKKKKACiiigAooooAKB1P1oooAKKKKACiiigAooooAKKKKACiiigAoo5ooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACjjNFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFHbp+FFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFHSigAooooAKKKKACiiigAooooAKKKKACijgiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAo4FFFABRR0ooAKKKKACiiigAzRRRQAUfjRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAfjRRRQAUUUUAFFFFABRQOeaKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooo60AFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRwRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFHSigAooooAKKKKACiiigAooooAKKKKACiiigAo7UUUAFFFFABRRRQAUUUUAFFFHtQAUUUUAFFFFABRRRQAUUUUAFFFFABRRR1HBoAPw5xRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRQc44ooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAoo4ooAKKKKACiijv1oAKKKKACiiigAooooAKKKKACiiigAooooAKKKO3NABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAHFFFFABRRRQAUUUUAFFFFABQelFFABRRRQAUUUUAFFFFABRRRQAUUUUAFH1oooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAoo60UAFFFFABRRRQAUUcUUAFFFFABRRRQAUUUUAFFFFABR+PaiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUYGMUUAFFFFABRRRQAUUduf1ooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooo4oAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACijHGM0UAFFFFABRRRQAcUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAHaiiigAoo4xRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUfX8KKACiiigAooooAKKKKACiiigAooooAKKKKADjrRRRQAUUUUAFFFFABRRQelABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUdPegAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKOM9aKACiiigAooooAOtFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAB9aKKKACiiigAooooAKKKKACiiigAoB4oooAKKKKACiiigAoo60UAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABR3oooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACijIHU0UAFFFFABRRRQAUUcUUAFFFFABRRRQAUUUUAFFFFABRRRQAfjRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAHSiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKOlFABRRRQAUUUUAFFFFABQaKKACiiigAooooAKKKKACiiigAooo/CgAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACjg/hRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABR70UUAFFFFABRRRQAUUUUAFFFFABRRRQAUfWiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKOKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiijpQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAd6KKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAo4oooAKKKKADr0NFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRR70UAFFFFABRRRQAUUUUAFFFFABRRRQAUUHgUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABR7A0UUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFHFFABR1oooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKMiigAooooAKPfNFFABRRRQAUUUUAGB6UUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFHSgAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAoooxxg0AFFFFABRR26flRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFH1ooAKKKKACiiigAooooAKKKKACiiigAooooABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAB0FFFFABRRRQAUUUUAFFFFABRRRQAUZoooAKKKKACiiigAooooAKKKKACiiigA4NFFFABRRRQAUUUUAFFFFABRRRQAUUUUAHeiiigA/SiiigAooooAKKKKACiiigAooooAM0UUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUcGiigAooooAKKKKACiiigAooooAKKKKACiijigAooooAKKOM0UAFFFFABRRRQAUUUUAFFFFABRRRQAduKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACijgdqKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKADNFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFAGKKACiiigAooooAKKKKACiiigAo5oo9etABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAB9aKKPyxQAUUUUAFFFFABRRRQAUdehoooAKKKKACiiigAooooAKKKKACiiigAo+nSiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiijg0AFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAfhRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABzRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFGRnFFFABRRRQAUUUUAFFFHHWgAooooAKKOlFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFHb8O9FABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAduKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAoooNABRRRQAUUUUAFFFFAB1ooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiijoKACiiigAooooAKKKKACiiigAooooAKKD0ooAKKKKACiiigAooooAKKKKADpRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRxiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiijtxQAUUUUAFFFFABRRRQAUUUUAFGKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooo9DQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUdKKACiiigAooo5oAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiijgd6ACiiigAooooAKKKKACijI9aKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACjtRRQAUUUUAFFFFABRRRQAUUUUAFFFFABR1oooAKOlFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFHWjvQAUUUUAFFFHagAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAoooxQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAdqKPpRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABQaKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKM0UAFFFFABRRRQAUUUUAFFFFABRRRQAUUUYA6CgAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACijtkUUAFFFFABRRRQAUUUUAFFFFABiiiigAooooAKKKKACiiigAoo60UAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFHNFABRRRQAUUUUAFFFFABRRRQAUUUUABooo96ACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAo/CiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAoo46UUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABR1FFFABRRRQAUUUZOOlABRRRQAUUUUAFFFFABRRVDxB4l0PwtYtqOu6jHbQr/HI2KTdhpNsv0VwNx+0l8Lrdiv9ru+D1SBj/Sq7/tP/DJBn7VckEcH7M3P6UXuFmejUV5t/wANSfDUkBZLok9MWzc/pSf8NR/DgdTdD1Bt2H9KYWZ6VRXmrftS/DdCFJu8+n2dv8KD+1H8OVXcxuwB1/0c/wCFK4WPSqK81X9qT4cHvd4HrbtQf2pvhtjObvjrmBv8KYWZ6VRXmv8Aw1J8N8kbrvg8j7O3+FB/ai+HK5BN2Md/s7f4UrhY9KorzT/hqX4a5HzXROMj/RzSt+1J8OF5Y3eP+vdqYWPSqK80P7Uvw2BClrkZ7GEjtR/w1N8NhyTd4x1+ztj+VK4WPS6K80H7U3w3YkZuuBz/AKO3+FKv7Unw4Y4Bu/p9mb/CmFj0qivNT+1J8Nwu8NdEcY/0dv8ACgftR/Dc45uuTjmA0BY9KorzUftR/DhjjN3nPT7Oc/yoP7Unw4AyTd/+A5/woCx6VRXmh/am+G4zzdcf9O7UH9qb4bgZzdcdf9Hb/ClcLM9LorzT/hqT4bnqbsehNu3+FL/w1J8OOpN1/wCA7UXCzPSqK81b9qX4bKSC11nOP9Qf8Kb/AMNT/DXk77rjri3bj9KYWPTKK80/4an+Gw4LXX1Nuf8AClH7Ufw5Izm66cf6OaVxHpVFeaN+1L8NhwzXPGSf9Hbt+FL/AMNTfDY4+a656f6O3+FAHpVFeaD9qX4cEZDXfXHFs3+FDftS/DcfxXRz0/0dv8KB2PS6K81H7Unw4JH/AB9/NnH+jtyfypB+1P8ADduAbvPoLdv8KLhY9LorzU/tSfDYHaXuuv8AzwNKP2o/hwTgNddf+eBouFj0mivNG/ao+GqDLNdYzjP2dj/Shf2pfhue939fs7Y/lTCzPS+tFeaH9qb4bR/ea657i3Y559hSf8NUfDXHW7Pt9mb/AApXCx6ZRXmo/al+Gx6NdZB7wEUg/am+G5yAbvI7fZ2z/KgLM9LorzVv2ovhwihmN0AeBm3b/Cj/AIam+Gxzzd8DP/Hu1MLHpQGOlFeaf8NTfDYHaXucj1gNKv7Unw3flWujwP8AlgaAselUV5p/w1P8NAMl7r/wHb/Cnf8ADUfw4JwDdHjP+oPSgLM9JorzX/hqT4cbtoN0TnHFu3+FNP7U/wANcZ3XXUAH7O3X8qVwsemUV5qf2pPhuBy10Oef3Df4Un/DUnw3Pe66f8+7f4UXCzPS6K8zP7VHw1HO67PGf9Q3+FKP2pfhucf8feP+vdv8KYWZ6XRXmjftTfDZTgvdcDqIDilb9qT4bou9vtYH/Xu3+FAWPSqK80X9qb4bNnabs/8Abu3+FH/DU3w2xnN30z/x7t/hSuFj0uivNP8Ahqj4aHkNdkZ/592/woP7U/w1AyWugB/0wb/CmFmel0V5mP2qPhqeAbv/AMBm/wAKF/ao+GrjcrXZA6n7O3+FAWZ6ZRXmg/an+GxIG665/wCmBoH7U3w2ONrXR/7YGlcLM9LorzNP2pvhq33Wuhzg7rdh/Snf8NSfDjubrg8/6O3+FMLHpVFeZt+1T8NVBYtdAZ6/Z29vb3pf+Gp/hsDt33RPtAf8KVwsel0V5mP2qPhq3Ia7+ht2/wAKX/hqb4a7goa7J9rdj/Si4WZ6XRXmn/DU3w35+a649YD7/wCFA/ao+GuR811yM/8AHu3+FFwsel0V5of2p/hqBnzLofW3b/CgftTfDbJG66yDziA0wsel0V5mP2qfhoduGuvmHGLdun5cUp/ao+Gu7aGuifQW7f4UBY9LorzQftT/AA1P8V3/AOA7f4UH9qf4aqCxa64/6d2/woCx6XRXmh/an+Gw6m7/APAdv8KB+1N8N2+610fpAaQWZ6XRXmY/an+Gx5DXf4255/SlH7U3w2bG03Z/7d2/wouFmel0V5mv7U/w1IyGuz/27t/hQP2qfhoT9+656fuGouFmemUV5p/w1N8NuBuu+eh+ztz+lH/DUvw1/vXWP+vdv8KYWPS6K8zH7VPwzbpJddM8wH/Cg/tUfDUEDdddf+eBoCzPTKK8zH7VPw0K7vMusZ/592/wpT+1P8NQu4td49fs7f4UrhY9LorzM/tUfDVfvG7/AAtmP9KD+1R8NQBlrvBGc/Z2/wAKLhY9MorzNf2qfhm2SHusepgb/ClP7U/w2Klg91gHtbt/hTCx6XRXmg/am+GzLuD3RGM/6g9PypB+1P8ADRjtD3XH/TBv8KVwsemUV5mP2qfhoR8r3Rz0H2dv8KX/AIao+GpH3rv6fZ2/wphY9LorzT/hqj4a4BL3XPT/AEdv8Kaf2qfhoOGe7Gf+nY/4UrhY9NorzM/tU/DQDO67I9rZvp6Uh/as+GYzl7r3zbN/hRcLHptFeaf8NUfDX1u//Adv8KQftVfDQ9Huv/Adv8KLhY9MorzL/hqv4abdxa7x3P2Zv8KUftU/DQru3XWD0/0dv8KLhZnplHWvM/8Ahqr4ZjrJdDjPNu3+FH/DVPw0xu33RAODi3b/AAouI9MorzL/AIaq+GY/ju//AAGb/CgftV/DMqWEl1gdf9Hb/Cgdj02ivMh+1Z8MyMh7v3zbN/hS/wDDVXw0JA33Qz0zbt/hRcLHplFeZn9qr4Zjnfde2bc0n/DVfwzzgtdj/t2b/Ci4WPTaK8zX9qn4aOcLJdn1/wBHb/CgftVfDRhlZLo/9u7f4UXFY9M46UV5kf2rPhlgHzLrpn/j3b/CgftVfDUgFWu+ef8Aj2b/AApjsz02ivM3/ar+GSf6yS5XjPMDf4UD9qv4Xn7010BnnNs3+FILM9MorzZP2pfhawyby4x/17P/AIVZtf2mPhTcuEOsuh774GGPzFFwsz0Cis/w94m0LxVYjU9B1GK5hP8AHEwIrQoTuLVBRRRTAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKPfNFFABRRRQAUUcYooAKKKKACiiigAooooAKKKKACiiigAoooGM0AFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAc0UUUAFFFFABRRRQAUUUUAFFFFABwaKOlFABRRRQAUUUUAFFFFABRRRQAUUUUAFHtRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFQ3V/aWaGS5uUjAHJZgKAJqK56++ImjxfLpsUt42ODCvyn/gRwP1rLvPGfiW7cxwG3tFP3WwZCR+OMfrVKMn0E5RW7O0LqoyzgDvk1TvfEGiache81SGMDqWkHFcJdy3t2He/1e7lGRgNLtA/75x+uarhLWJiIYY1kxywHJNV7J9yfaROzn+InhuMAwTSz5PBghZgfxFUbr4mlHC2nh25kUnmQsgA/M5rlTdmI7HZAcDtioRqA27VbJ39jzVeyj3J9ozprv4j66pAtdFthnH+tnYf+y0w+PfE5PzRWkY7Mu5h/SucOqRqjRq247eWY8VH9uREZpJhgjkZ6+w4p+zgJzkdJL418W5xHd2vXAP2Y4/8AQqZ/wmHi4LltUts+gsyR/wCh1z51Qvhkf2O4k569KUauCxUyY2+4wKOSC6Bzz7nQx+LPGshCx6hbEnubMgf+h1ZXXPGSRebd6zZxD+LNp0/8frmx4ingQIpjwfUZ5/A15R8Uf2ej8Y7qSXxd8ZvFgglzjTbS7ijt1X08tUAbHq2T70ezUtrL1uHtGtzr/Hn7V934N8Tf8IzaeI9BvZ+MRxzqJB65UMcHPauO1r4u6B8VtYW18ffEOw054Xwlj5qpsPqdzDB59K5Cy/4J/fBqyvUvh4y8SeYp5ZLmEZ5zz+6NdbpH7JPwW0u6+26hb6hqEpAw97qBJwMf881U9qpUaS1b/B/qJ1pPSx0Fn8J/h/rse7wv8QY9RdRkpaukm3vztJx+NLB8A0fIn1xox/AFhBOfc5H1rrNEj0nw/p0Ol6FZw21tEAsccK8D69yfU5J9atf2qGwpm4zxjofbmnaK2Dmkzkf+Gf8ATZj8uvT/AHuogHH61aT9nDTgWkm8QyhSRnMQ6ficV1EGtyWpZkCtkcEgcf59K4r4xfDi8+MduLK9+KHiHSrLbtex0e4jhST13NsLNnnKltvHSla+1gUn1OI+KVj4M+Hmrx6MvjWzlkkQnyZJkDg8cbQ2R/8AX+tZekax4AkvBpPifxrY6bcEKfInnRSQejYLDj371VX/AIJ5fCITrct468SFscstzAC3bn937V01n+xf8G4fLa51XW7kw42effJ8oGfSMVSpwS1a/EPaN9Do7P4d/DHUY4bfQ/ijBeXEg+SC2kjYn8FY1Zg+AqOS0+syR/Nn5YwSR7jOK3PBnhDwd8P7I2vhXSUgGOZZHLuw9CzEnGecdM9q2n1RXj2uRhjwev6VLUUw5mzjx+z/AKVgGTxHMFB5xAPm/WrMH7N9jJw2vzIm0fM0I4H511C6wbZ/MypCdCRx0z05rH+I9hf/ABG8NNokPjjVdBjkGJp9ElSKaQem9lYr9VwffFFuwrtbs84+MHhzwn8Mp7eyk8c2nm3OcQ3MiK+fYbsn/wCvXO6Tqvg5L2Ky8T+LbTTVlAaNridEypzgjLDqKgm/4J7/AAmurttSvPiD4nknkkLvNLcwl3Y5zljHyf8ACt+1/Yw+EENtFb3mva7OsR58y6iGevpH057Y/CqVONtWr+jD2j7P8DobHwZ8HrqyFynxbspG2jCxXERyTk9Axq7bfAj7W4mXWZIoWwUZ4xlgfYH9cirHg/4PfDPwNdQ3Wk6O8lxbf6uS6umkKE/xY+7n3xx2NdkurnAYyllyM8ipaivMfNJnIP8As/6d5Sg+JJssuGzbjGfzqW2/Z006ZzjxDMVzncYRz+tdU+sRyOCZgAP4c/4UazrV1qGiS6TbavJYGSEqt7ZhPMhOMZXerLn6qfpR8hXfc8p+L/grwt8KNOtrvUPGcCtPIUCXOxCT2xluea4/TdW8NRXcUPiHxRYWMU674J5JQFkXnBXcRkZ461N4g/YJ+G3inXW8Q698UfFl7eyvue6u72OSRunVmjzx+ntxV60/Yf8AhNHbRWdx4l16VYWUjzLmIdPfy/YZx/8AXpqEd21f5j9o76J/gdLo3hP4RX1iLuf4s6ergEmIXUWR7n5uPrVvR/hJpXiZft3h3xJ59mpOy82gq/rgjgj3HpVbRf2a/g7okawvaXt2FYs7Xd+3zc55KFSR7e9ejWN1ZWVtHZ2SJHb26BIIoVCqigcAAYAGOAKOWK13Dnkzlh+z7phjUSeIZSpHDC3Az696dB+zvp1xIRHr0mCD1gH+NdaNW+cSKVwRkHP45NTQ+JDbIIkYHnoeTmlp2C77nl/xW+Gfhj4YeGBr+p+L1Q+aFU3BRF56ck1wlvq3hxDFca34mtLS0mLLFcySLtkxgYBzjPIrZ+KP7Gvgv4v+KpfFfjP4q+LLq6lfdFDJeQmO3H9yNPLARenAHucnmo9L/Ya+F1pYf2afGWvPESckzxZznPB2cdPSmoRtdtfiHtHfRM3tE8MfCLV7Q3KfFqwkByGMdzE316N+FLongXwp4t1O40/wj4zi1Brdl85reRWWMEnG7BOCQD9ccDijQ/2UvhNoln9ke91m5iJJaOa+TBz1+4i4z7V3vgnwv4P+HGjp4a8GabDY2gbese5izNgAszMSWOAOSTwPpRyxXW4c7exjRfs+aaiBZPE0rsT8wWEDHb1//XT/APhnnSQ4VfElwz4GAsI4b1611q6pFI25ZhnOAAM9/wDP5VLba/8AZZC0UijGR8wzj29+lLQV2edfET4M6F4F8KXPie98WeUkChna4RURR6klulea2Wr+Hbi0Gp3viOzj09J/L+3GVRGWPOM5wOD/ACru/wBoP9mrwz+0dqEN742+IPiGG2tQPs+l2N3EltGR1fYYySx/vEkjoMVzekfsMfDDTNOfS08a6/JA6BXSS5i5546J2PI4/OmoRau2vxG6jTtZmv4c0r4Na1Zvcj4u6csmR8q3UROee27JpDovwx1PXYfC3hj4k2uoahcKzQ2sE0bOyjkkBW7df8KXR/2QfhToKGKDWdXZT0BuIhj8o8iuo+E/wN+FPwZvbrVfA3h4xXt6ojub+6uWlndQc4BY4UE8kLgEjnoKOWHV/gDqStoh1n+z1ZBM3/iNw4JG2OIHH5nmnD9nrSyWC+IpipXg+QBn07812L6vGHGX65AU4JI//VTm1RAQYmyQdygnOR06Glp2C77nD+JPgJpeieHrzxA3iNh9nhaQq8KgYHqd3AryXT/EXhy/zqreI7RtOjIEmoJIrIm7oSQ2Bk5r2D46/DHSP2gfCKeEPE/i7WdN09ZfMmi0e5SEXJA+VZNyMWAPIUEc8kEgY800L9g/4W6BpqWFr418RNHnA82eDDDAHP7vpTUIvdpfeHO1oa3hO1+EHiW1Dj4p6eGYZEcdxECD/wB9VB4lj+Dnh6/h0+b4q6aJbhgkMb3MQZ8nAAG7nn+lTaJ+xv8ACzR/lg8S62NwXcqzxAED/tmf8mtTwD+yb8CvAPjqDx9Z6be6hrduf9EvdVvDL5HB5RQFQdTzgkdjTUIX1enoDqO2iNjRfgCLu3Fxq+syRM+CI1jyQCO+fp0qyf2fdJLBW1+f73ygwg/1/WuyfW4i25Cc8ggE9fbP0pq6shcFZQQeo4471OnYOZ9zkbj9newWxmvF8QTv5cZaNVhUEkDOOT9K8istb8PX08kum61bTW9vv+1zwzq3lkNt+bngZGOcYPFe8+PLNPH3gvUPAl14iv8ATYdRtjBLe6TOsdwiH7wRmVgpIypOMjJwQcEeK+Hf2CvhH4Vso7TRPG3iZEKkATXET5DZyP8AVjI5NNRi9W0hc7RpeHIvhTrMEdxN8UtOUuoLBbmPg4PAAbj0o8dS/BHwPDHLrHxj0yDzTiMz3cSZPPOSw9qk0j9jH4Z6aXlTxfrTAj5A0sWBj0HlkD/69VZP2Df2ftT8T2niTxPJresy2zq8MGo6kDBkNuAKIi7hkdCelChG+slb0H7R22/E6TwJ8JbDxvoqeJ4NcP2C6ANhPDGG89O0g5+4ex75z0xnek/Z30cKVTxFOr55JhHI7Y5/Suviv7a2hjtbYKkaKFWNSAoFK2qqwBD4B4A6HGM/j1padEK8jko/2dtNdRGPEcrkRknEC8noO9eTXlxpkeu3miRajHI1hLIuoRq4Lwqn3iwzxwRnsOvvX0WuuzRp5cUuAynLBRk9emPr/nmvBtH/AGEfhPouq3OsWvjvxTNdXV3NcXc93qELNLLKxMjEiFc7tx/OmoxlvoNzaJfDf/Co9aZIJPirYxMQd0f2iP5cdckt+lTeK7X4L+EovM1H4v6XGoJyJbyJcEc4zu60Wf7FPwys7k3cPi3WjkHaoeLC55GPk4rL8V/8E+PgZ411FdS8VeKvFU5Ax5EepRRpj8Ic9/Wjkjf4l9z/AMh+0t0ZufCjwb4e+LcE2ueF/EyXWipmODU7RldJ5AcMqkHBCkEE568djjsT+z1oq4H/AAkVyMHgvACD+vFbXgLwt4W+GHg/TPAXg+y+yaZptqltaQB8lY1GAST1J6k9ycnrWwmqAR4XLlW4weOufX/9dD5VsSpS6nHxfs76VcTGN/EM+W4z5I69cnmvMfFGnp4f8Z3Hgu3v4Zr21JaW3dwsvl43bwueQQOv5819AwasY7hWRgW644PB/nXkfjr9kv4b+PfiTqvxPv8AxN4hg1PVZUe5jtLyMRrshSJQimMlRtjXIzyST3oSjJ6j52jA0Gb4U6oyrcfEuxhcDmN7mMFCe2N3XFaXifT/AIR+G9PbUL74p6fEhGd1xcxou0c5GW6cHmoG/Yt+Fp1FLxfFutb4wRtWSIlskknIQdz+lZvjn9gD4Q+PJTJ4g8eeK0AUApZ30CDA7ZMLGj2cb/Evu/4Ae08mWfhLaeDfjFrF1beBPF1vqNnZNsv9RsdkkUUmMiLKtjfggkdgc9xn0Nv2eNIA3xeIZt27BzEATz6Z9earfAH4HfDb9mzwc3gn4bQXn2S41CS8uJNRuPMmlndVUlmAXIwqr07V3X9qhnXLZIJK4IyOO3qaTUVsHNJ6nHN+z1pLABPEM7AkcGAEA/nXB+PvClv4N8aL4Xa+/wBf81uZAFaZSP4Rn5jng17dHqicEykgg5I6sM/z/wAa4b4xfBPwL8cNRsdW8W6hqMVzpkTR2x066WM4Yq2TlWycqP1oSTdmHNJHnmh3fwwvZvseq/EyxtbkZEltJcRrIhGQdylsg5GDW1q2kfCHRtOXUb34p2aw+XuSVpogpGc5+/yOetVZv2LPhfPI1w/ifW9zqFZzPExYZyBkJxjkcf4Vk+Mf2APhV46tVtdU+IPiiKCJQgWzuYI8KCDgkxHPIzTUI3+Jfc/8g9ppsyr8Pde8BfFXx8fA/gPxrZas9rGsmqS6fcJL9miOdpfaxxkqQB3x9a9YP7O2lghm8RzEnP3oBxgfWuP/AGav2N/gx+ytrOs+I/h7qeuXN5rsEEGoS6zfJNlYixTaEjQA5dvXOa9kTWESQxeac4BwB79aGox0WouaUvI40fs76XGSv/CRzYYD/liPT6/WuK+JvgU/Dy/tYo77zIr3C2zy4XzZM42dfvd8d69rk1iJR+8cDPH1+lc18UPAXhL4weGF8JeMDcfZ47hZoZLSfy5UcAjIbHH3iKS5XuHNJHj+n3Xw/wD7TOkeIfHlhp90mPNt5rlFZexGCc9cVvajpPwksdJOqH4qWBVlJRmniCsM8/xfX8aivv2KfhVfz+cvifxArjG5zdRMWxjAJ8vJHFZ3i39gv4b+LrBdFvfiL4mgt4V+VLS5gTH/AH1Gf5dvzfJG/wAS/H/IftHbZnO6D8QPhj4y+IFl8O/Bvj7TtVv7wFktrO6R3WNcb5CoY/KMr7cgZ5r2ofs8aJcQCaPxBc8jJ/dKc4/H1ryP4Mf8E1v2f/gl8YtI+OPh/wAX+MLrW9FjmS2W91KFoGWSJomV0SBdw2vkc9QD2r6Qj1KGIBFuAFJPAOBihxjHZ3/rzEpyl5HF/wDDOuhpF+68R3BycAC3GAPzrlPih8M4vh1psesrqyy2rMI5JZ4sBHPQHnv29xXsLauj/L5wIJAGBx/9fiqfibTdB8YeH7zwvrsC3NpewGG5iLfeDdgR909x3HWkuXqPmkjwWxn8Dw3baZ4r8dWGm3SffhuLhVwPXlv5VvnQPhU2lnVrf4qWTwnIaZLqMqvPqG/Cma7+xL8GtcVUfWtch8tAoEd6h2gZxyY8nr3ql4i/YW+GviLTF0ZfiB4js4FBOLWeEFvXJ8vn/wCtT5I3+JfcHtNNmcXqfxR+FbeLrTwZ4a+I2k6hqN/eC30+ziu0aWckZO1Q2TjBP0HpzXuGn/s/aPdwK7+I7hHIHmbYRycfXpXgbf8ABIL9nC617TfF8nxL8epf6Rex3llc22sW0bJMjb1cH7OTkEA9e1fWdvdx20Ij3ucKMsxHpTcYx2af3/qJTlLo1/XkcZ/wzlpZBA8SzZBXnyRgjHpmsL4hfBeXwrob67o+pvcR265ut8YBRR/F16DBz6Z9jXqsmrRsQFZm6FmzjGOKbLqKuBBKVZZPlKleD7dKlW6oLvufOsF34N0+5WLxh4vtNLyisFuZ0U4xwck8jJ610UehfC+4jF3ZfFOwkRV+Zo7iNtv1+b6Vd8V/sgfBjxS+2STVbMZb93Y3iFQCchRuRiFB6AHjpWL4g/Yb+GWq6O2ir498Q2kIYkmGaEsuffy+PpT5I30f4D9o7ao4Px58afgp4Quo9KT4maU969ylvb28l5HueRmCgfe9TXt3hz4E6brGl213e65cQ3E1usjxrGNoJGSOD+leCeLP+COP7NXjVFj8S/EvxvIu7eFh1S3X0xkmA+nrX038LPBOm/CvwHovgWz8Uatq8Wj2q29tqGt3Ky3UiLkJ5joqBiq4XOMkDkk5JbhGOqaf3/qhe0k9LNfd/mZifs46Oo3J4lmIB5H2cc8f71UvEv7PUtnpDXnh3WDcXCKWMU0QXcPQEHr3969DTU0O52kOAOhGM4pW1IDajPnPKn3qdOw7vufO0b6BYMsXjLX7fSSw3I91MqKw+pat230D4Uanpa6jafFPT5gR8zx3ETKv4hvaup+In7Pvwn+J+pTaprlrcQ3E4JknsbjaGPdipBUH3x781yV3+xF8KptMk0jTPGHiKyilTa7w3cO48HnJj685zVckG9H+Ae0dtUcF8SvjP8FPhsZftHxT0htmFZZr+NG7Y43fU9q9a8BfCbSPGPhjT/EU2vPELyASxrEiuuGGRgg8gjHNeK+Lf+CPv7O/jSF7TxF8TfGkwZtxMd7bAk4xnJgP0r239mT9mnwf+yr4JPw98G+O/E2saSZfMtbbxFfxziz4wyxFIkKKepXkZ5AGWyOEY6qSf3/5WF7RvSzX3f5myP2dNGfg+IrjaPu5iXjp2z7VBqH7OsKWrNpPiUmUfMiTw4Vj2GQePr+ld+uoJ5YVHOM9C3TFH9qDd87FsryajQd2fPesaXp3gyc2/j/Vk0giVkR7gqquR1IYtz3NbFhofwu1a1aey+J+nXDqoLCK5iPlj1PzfSvQPiV8Jvhz8XbVY/G2kGeSNdsU8UjRyKuemR1/HNcLN+xT8IntZLLTfEevWomUqTFeREhT2GY+B7VXLB6p2BTaWqPOviP8T/g38OZ5YtU+JukhYlJCy3cak8Hn7/A+teg/B7wZ4Z+K3gSz8dWfidXgvlLwS2YV0IzgHOeR/n2rzjxd/wAEjvgJ45juIdb+JnjLZc587ZeW4OTnofJ4612/7K37CPw3/ZHv55vhr8V/GtzY3EeLvR9V1OGSzlbGA/liEFXGPvKQeMHI4punFaqSf3/5C9pJ6Wf4f5noI/Z00NgJB4kuiC+V2wr/AI0yb9m2x8kra+JZI3OAu63yPyDV3Vpf29qpSNhjqvOMe9K+oLEu9XITPGBk9Kkd33PDPFPgifwHdFvGOoR2VsH2xXzELE+c9GJ49MHB9qk0nTPg/rCs9p8V9OkkUZwl1EcDH+9xXrfjPw34T+IWhN4d8aaXHe2M5DGGViMEcggggg+4NeZX37GfwdLvJpWra9pwuM/u7XUF2r6gB0PH50+WD62DnktGrnnHxI+JHwm+H0xt7z4k6SXAO5ZruNMgA/7XUkV13wC0vwX8dPBx8Y6L4uguLZ7lkR7CRJVIHHUMcn/IyOvIeOP+CU/wN8dNI+qfEzxkqykgql5b9Dzx+596d8Bf+CW3wi/Zx8WQeLvhf8bfiBZXcDfvUGp23lXCf3JUMGJF68EcdRg4Ip042upL8f8AIn2r2af4f5ntsX7PGiXQMkXiS4YMMHMCkg/n9KSX9nHSDHiPxJMG/hBtgwzx1wRXa21xbQEi3lc8csTjOP8A9VTR6rC7bVk54zz+v+fWo0Hd9zxfxd8LtW8DQjUNfuojpycyahHgJEMjBk3H5fT8hVLQ7X4Ta+rR2vxW015EGGjiuoie+flDZ7V7jeXWnX1pLpl/HFPbyqUmhmUMjqw5UgjBGOK8vvv2TfghNevd6Pp19pUkhJd9NvSAc+0m8U+WDV9n+A1OS31PN/iN4w+G/gG2jubr4hacsYzuNzcom3pxy3XNaP7P9/8ADv4+2N9qmgeO7C6S0n8vbp1wkvbB3c5HPtWV46/4JgfA/wAesW1f4meNFMhO6MalblRkdMGGub8Bf8EevgT8NNej8S+EPjX8QtM1CGQMl3YarBFIhPPDLD0Pp35603ThbSSv8/8AIXtX1i/w/wAz6It/2fPD8xPleJrjK9V+zrkAfjTz+zhpRO8eJ5x1wRbqcfhmuj8NaUmgaTa6dd+I7zUpLaIK2oX+zzpcfxP5SIu7jsoFazasi5YSDLHoTzj1qdEHMzyjxB8Bte0UNdwXovbRFzI0KYkX1O0nnv0JrA0y2+EWsztap8XtOW4Hy/Z/tMW/djkY3Zz7fnXup1eFnwr/AC8gEjPvXCeLvgJ8HvGOvv4r1Dw55OpzMQ95p9y0TOT/ABFQdpY9zjJ75p2i/IfPJeZ5T8Rdb+HXw/077bJ49snQkrH586qcjHJO7gf5+lX4B+Jvht8cdTv9P0T4h6VM1jgGKwvI5H3HOcruz7Zq549/4Js/A/4h3TXmreP/ABkpbcCkepW+1c9gGgyfxJrz7R/+CKf7OPh7WE13S/ir46guFlEqTQ6hbqyMCCCGWHII7VTpwa0kr+j/AMhe1d7OL/D/ADPpCH4BeH7gAN4onV26hoxz7damP7OmjdD4mn6jBWAde9WfhL8Mj8MfDC+FLv4leIfEccbA29z4jnjluEUDhd6xqXHfLbj79AOxju4Y4tsUmccKGqNh8zPMNZ/Z11+zVp9E1WG8x1Qrsc9zjnB7965/+wfh1p+pNofif4gWun3yEK9ncSxpID24Zs17g2oRhN2/HHXj5vxP1rnfHfw5+H3xKWI+MdBiupbfiC4ViksfsJFIbHtnHtRaL30DmkvM8S+ImrfDnwJZyXknj+ykA5UyTIO5AHB9utYfwR+I3ww+Mniufwrp/wARtKE8UYPkw38TyEk8DZuz0/8Ar11XxM/4J7fAz4mOh1LxN4qswpzss9Wixn3LxMT+deYSf8EUP2YRq76hb/EjxusssgJZtRtzj8fJ4q3TptaSSfoxKrJO3K/wPopfgLoMjBv+EjmA9fIGOOhJB/z7VZX9nLSZI1z4nlCleCIRyfbB6Vj/AAK/ZwX4CW39j6b8avGOvWCqRHp2v3kNxHGexVvLDrjoAG2+1en21za2alEnk3cHDyenbioat2/r5IOZvuec6x+zhfwRk6J4himP9yaIp3zjOSKwr/wB4c8MXENr488VQaQZ+Ua6kRA5HJIJOD+Fe0Pfhmw7DqCuDnI9az/Eun6B4u0aXRfE2m295aSja0FwgbJ9R3B9xgij3W9UPmkjyz/hbOh/s9WkmtaR8RbCe3m5aCWZNjAdW+9xT/hp/wAFENH+I3jseCofGXhe3cpuB/tJGc8DgLuHOTjr+FUfiT+wv8BfiZEINRk17TY2QgJp+rYABx2kV8f/AFq8kvf+CKv7LF/rD62nj/xukxH8Wp2zKvJzgfZx19Kbo0ZK6kk/R/oCrzTs4u3yPtKDx74qnG6PWLNwSMNHabgeP9+rEXi3xjcKTFq1o2D/AM+h4/8AH6+c/gp+xPovwEvI/wDhAv2g/HS2cbDOkXl/BLauo/h8t4iEz6rtbnrXt1slvDIk4llLjhsnAP1qHCK7P0v/AMAftJP/AINjol8T+NC+0atac9M2Z/8Ai6enizxarlWvLZv+3Qjn/vqsX7crNsjIbA/vcrx0ofU4ZSAJ8c/LwR/npS5I9g55dzdbxj4qiGVjs5P97cv8s1JbeO/EgGbvRrUgHH7q5Jz+aiud/tNBkhxuz8oUdPxNOk1VEAPmjbtHf69aOSPYOeR08PxIk3EXXhu5RV6skiN+gbP6VPbfErw1Iu+5e4tgDgm5t2QfmRXKw6ktwNyy4446cfnUiXcTDByzHkgjPFL2cRqozurLxHoeoqHsdUgkB6FZBVxXVhlWBrzh7PTryQNNbq0mDhigyPoetPt47+yBfTdWuYipyVWbdn2+fPH0pezfRlKouqPRaK4i18Y+LrHb9oht7xM/MQDGyj6cgn8RWpZ/EjRXAXVYpbInqZ1+Uf8AAhx+tQ4yXQpSi9mdHRUNrf2d7GJLS5SQEcFWzU1IYUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUc0UAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABiiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKPpRRQAUUUUAFFFHbmgAooooAKKKKACiiigAooo49ulABRRRQAUUUUAFFFFABRRRQAUUUUAFFBOOTWTq3i3TdNk+ywsbi4xxDFyR9T0A9zR1sBrEhRkmsrVPGGj6Y/kecZpscQwrub64Hb3rntQ1fWtXUteXX2eE5At4GIJ/3m6/l+dU4HtbVDDbRbNxy2OMn1Pv71oqbe5DqJbGleeKtcvzsi22SHsMNJj+QP51l3ESeYbi7Z7gjGJZZNxB9cdAfpim3NztIVcbsnHo359aoXeqrErZlHBOfmOK0UYrYzcpS3L0t0EkwRgnqQOpqrNfpEflIyFJORjB9ayLrXgoCq6rnkFB0PrWVcazLdsWWXanI74J9qYkjeuNYTacXHU568g1n3fiGG3LRqxDH/a45+tYFzqF1cYZrgpGc5BPoOPxqkbl445GVw+/ABK7iue/ofWgdjavfETsMwkBwB90/r9arPr0krELKVkGd4KZyfQetZLNLIpIc56FQOGz7f41WG6NNu53BByeM5z1YDtTQWNyTWrguAswzjGCSB19e9MXxDcFcGZ8MRuYjbn2+lZEt4JG8qGba+7nB7Y9T1qPcixiKdmUbuSSARwOgzzQOxuNr0kD+QXBwCeG+bp6UxvEJjtwHfLPjjd054rJDNFiSGHKg/e7qT2PPv0ptxNK0Zk+XcVHBf8A+uc0CsbB1+Ro8wknYcZbIDDtjkYok8QO0gBZ+o468dentWG9xvQqyjenIYMARj69P0qNZ2VTAchmbghec49aAsb48RSKoeGUEE4IRQT+WeKQeIGLCJJAM8hQTheeh69uxrBt5FiwVJdiCd7LjH4Dk0iSksSVAyMqSM/hzjFMLHQR69ImJTIuM4BUgg8ZyfSkHiGWa5ZFuTlW5UjgDqDnmsDzIWCxRxHZ0xIo5PUGlNysamNAclcBuWA9vXHrQFjoR4hlG5Tkcc4XOfekTxLKHKxsVGBznGD/AIVzq3BZEWNhuYHbsOAee/OPSoprhTiRId7sfmYnHPrx+dK4WOml8RMj4LsdnGMZx757Uj+JpnK4ugMZLsCCOw+vvXMzXsdvg5Kj7xLE5Y/Tg/r26U+K6ZFDZ2gjlVPb2z7GmgsdFceJ5E/dhmOSM8HOfXPSn/8ACTzGLykJLHLIcHC/1rmU1YNIHgYFS2Dh8nA9f880raokm7yhlcbmAyc9PSl0Cx0cOvSyN5krtnOAwPXjBwKD4hnEgZgQQPl4Prx6j8fauaM0jxpE0bAD7y9s/U0qzF5AjSjK8bdoPB46cUAjp/8AhIHkjALLwTgn5uOc+vp602bxIwK26u3mY3KobPH4c/hXLzXsm/bwDHwh2DA/UU6B9wJjcFmBB3Hrn19KAsdHL4mnQ/LKNwzuXqSPr0/OlbxRGJwIZSHX+8nBP17ZFc4J5Si7PlB++x459+tRCVozm4bcw6BRgA5xxz7+1OzCx1a6/cB8JOuWP3Sx4+h5HWm/8JPcmIhQ7bCCJAMBiPY/5zXMfayImjnf+LHTDYH1P6UB84+8w6kkj29M465oEdO/iK4jYpcnORlG8znj29Pb/wCvTH8RiFAqlQDyARj/AIFXOLcREFRGcqfmZzg/UfnTlv5Jl8yBmBII4Y9Px6YpDsdFH4rmyHKg/OQ4PALZ4IOcUreJcMB83THzDJ9v/wBXvXOR3WItzLkqcKzHhTnqOMU1Lh4HIUFgSS5CZI9eM+/WnoFtDqv+Ejcr5QkDAnDFRkn+tM/4SQmIb5SCP4N3PfjHP1rnYJzv+0vJkjrkAEAAkE8Uye5lIJCgEuSW7px19vrQB00PiZuCsynaxKhckjjrQPEUjuGSdlUHO7ORjt1rm47qIRiEgsN2TgjjPX2x70sF0qjEhIG4ksMHI/yBSYJHSf8ACSsCVYsRuwoK8fTNOHie5cbUkPUZwDgDHc8fp61zVrdCBC8TrkKNqgHJ+uetJJfLKMOAxIICngY/Pr/ntQFmdO/id1kCCRtwILBTjHPGfSkl8TT4C/aQcpyA3P09q5c3YSHz0kIIHzO7Zwv+RRHeSSofLZdoIAYnqPY+ufw9qNwsdNL4lkWQl5Dt2jJDYOfr09KJPEkyIAXJJBDA5JH8vz965kajIHWPAL45Zic4Pf2Ht7UsurIxd5iEZhtBLdOM84oYWOpi8RXBBMzqm4nCnkn9eKUeIHUOrygLn1yD/h/9euXe5Z3/AHfBU/KqLk9MkkUyW8uCVUcDJByeR7UaiOpTxFJIrEMQM8bhyMfX8R/nBVvFMquNs5APXc/BXv0rl7iaUopjJALk7dg4GfrxSR3Sq482VSxceYT3AxwBmgdrnUHxJMzCOCZNmOI87sjkDJB/wpT4mYSbXZw4HzK3QnJ9DXMf2hcAbk3Dfwnz4/DP+f8ACPd8rMJG3bsqqnp7nHSgVjqZPFE7sVSZcng8k7c/ofWmjxR5ql1mbMRwSqnJIyM+3NczHqe1sbysSrheuW5PXJxnNJFcxsjN5nLDaQduSOOo/wDrUwOqfxFKqhpJSFwTG6yE7jx6+v8ATtTW8VsiBw+3jlSCSe3+fpXMpOFiZJ2yzZ5DZC8/X269eKcl43nLAxztI2OzZA5Pfv8A/WFIdjo4fFLkeYpL4UgqScgYHPX6U+XxFtkHRdwBxjODz+n/AOuuaa+JYo4ZkVsjgk+/Tp9aR7loSt0H3kjJz1IFAWOok8RSbN6tv4HCryM9+ucU1vEdw4XfIUwTwSScdeg5rnBcb5CzXGNp+XOAC2DwD6dec0z7dJK299hJ5Uk45H50dQsdTH4lIYyM6jLbflPT3OPamr4ndpdplOV6ruwGrmlvIQrRLu809yQTjvRDdwrgRNtGzcMckHHH8/ypha503/CSzIByQFG0qw4x7GlHiSfyjFCSVwNuAcehHP5VzSTlbuT94FBPyllI28YOMUxr7G15CVwh2A9Qc56Z5+v5d6W4WOnbxS8M/ltId2BkIx6Zxk8fpTn8UzFg6yh84/iBJP41y1veRGUsiESFcZDYA78HnnB/z1pov2mbZFKu48sfcduKAsdPL4kmyZZJfkxxg8ipT4huIwFDMz7e5GCfbpjp+tcq+oSISGlbIBWU4xzjtn6U6TVJ1O113EKMNu4c9ex5/D86NWFjqIfElwygucHOQGX6cfrSNr9zBM0ikqB/dA5PH5Vyy3TTgthQHTAZcnGM/njjnnoKWW/KxO85ULjCqTjPfI4z60BY6dPEUzvvQ45ODzkjI5J/Kj/hKI2ZRLJhd5B5Jxx7dOc/1rmBdXElsUiY7sAsSnHoKYtzE7+c84HGN2PugHn/AA/+vQB0sviOQFcuCrKcKPmJH+NE3iV1dbZHIG35gBwBn2OB0/pXPLdYH7lwpCj5SODj8fr+VRJPNI/MgUNncFUZI5x+f+e1FgaOpbxLcqBF9oQHd824ngc/n3ok8SymWSQS/KucOFJ3e/v/ACrlkvZUePYZACo5VSeM4ycnjv8AlxQtyhlKwTMxP3ioH8wce/8A+unYR1LeJ5VZXlkCsSFjIkyOcnp+H60kfiZmCTLJt3YBI6lvzrmftDKskhTGF+QHPP3un+TSvdysq9Tliq4PAPfJ7dKB2TOmt/FMqnY0eSwAOM8YOM57g9aT/hJmST74y3JJOcHp2Pr/ACrm5rhpWG593OXKt9AOO560kk8Z/eRSEc5ZWQnI549uaEFrHUf8JFNNEZPNGSuVIwD/AI9/1p3/AAkkmUDyN8xxySSc9+Bnk1y/2iW4dYpF24GfnA4AGD29aGu0EiqWDOp/gbJ9s/z/AApCOpHipm3hnAYMAOuc/Qc//qpE8STB1jeYb9x+V24yPwrnI7lIHLzxbcggA8jP+RQt3FHGPJjwMk8tweex6dqGOx0j6/LuEkm4KhxyeDx7dOeKU+JbiZg79RgHB4x3HXrXMC7RZVfODnOc8HBP5f5FPa7jLgqGKrjLY/Hqfr/nsD5TpD4lkgdf9I3OTghM4Hb6Uq+JZhNiSYFAOgP+frXLG8iWdg7KSCdpVu5/x65z3pJ777ID5xCSbvr8p/PJ/wAaNLg0dM3iaSEtKgLLtG35jjOPpyP85pT4kuHiVCvJHJb19uh/GuamurpA0jAMdwKIemPelh1V5kEZx97LNnoD9Dx/nFFncWh1A16ZYvn+TI4+Y+3YGmvrrud5mCgdsfexnuP8+tcq+oeehZlBO/IRfTv17fj+VPNyELKIPkIADZx+WOv/ANahBY6g+JZPL+eTaGHIHp/n1pZvEiRyCbzDtYgD3P4Hg1y1tcMBtiJUqdvCAj8+vrTBcLuD3HDcjAGMnkDGDRYLHUSeJJSeJQTIvyxg5b8Pwp7+KEDiMyMOmzcO3uQeK5Zb7YywQupKjLhTgnofpSyzzXM+VfaQwJLDJPHfv74+lFrhY6l/E0scqFrhSu5dwAbPJ6dD6nuKaPE9xJLIsYYiMkYC/qPX61yr3r2oZ9zNscMS/OSO2Cf84pftax/vjJtlwcBQAO/Xn3oSCx1X/CRM0bSySgbuFKNnOfXPNMbxO6KMy5JbgYwT+Ga5gzjcqsuMNn5m6AemD/X86lN40afuShzltobkjn9eff1oA6KDxHIV8hiDt5xtPA+vQ9KH8S+WSEkQbQdgxkZA9uP8/lzhulCCZr1gcAMpkPQdj/8AXpPPjnIRndM9Cw9unXpjNPoFjp28Qzy5YSYOeCePToM/hSjxC5bczkYAyCCTj/P+e9csdRlljYFmUK38I5z9PT6VJLeqQqnLk8DDYIzg+vNLYLHSDxPI0e0OAQSTz6e3r2oj8TTCVle65IIwx6H3rm7eZmuPMLR7VHCgcjgE54//AFUsl4n3RFwrjcM549+fagLHTf8ACTSROxdjtA6gdSe/H86T/hJZpHCs5BzxjkDHr9f61zdxeLIhlhTlgSRjoOM5P+f5UT34aM/MCHbmNe3tSHynRTeJ3ibY91kMMFd3Q9KIPFB6SyhxjhVYcdPeuYlug8qmRNzI/AZufpjvQ92OZZThEJ+ZufTJOD/n8aYrHTDxJOgZhOGTqCc9fx/z9adL4hllcbXKAjPQ+nr/APWrmILxpYlZCGQfwHdk4xR/as+5o96ncAwG/ng8Ht+X50bg0dTFr7yqrfaACO5HHX27Uf29KHIkkZsgAgAD+R+tctJqIBYxkAKoIJOTn0HHfn1pftEoZT94kcqAM54/ziiwWOoTxO0g4VlG4nAyc/TFI/iUJgyv8pJCtnnJ6f5Ncyl/I0uxW64wBgnd6c0ySUjO5w2fmzgZGD9evX/69FgsdO3iOXajlkG7kbOTj8KG8VMjbGuMFgcFiec/Q4/CucjvIvJ3iQNufK7lwcDt79KbcyzSgDcR1CDGefrg/wCf1EgasdN/wkbxNse7XayjOQQcHjJxSJ4jkMpQnlMDHUH6Y68Vy7yNE/mpO0hYANgcZ9v0oW7E032qR9nOARGOeO3PHNFg0OqfX5Vh81/lGeQPujH61H/wkcjqJEn+UHAHPze1c1cXYli3qoI35bJ69/f86mF35TMBEFyRuHtn8vwosCVzoYvE00jKjAOCCSAhyB6fy5oHiNg4KMQPmwCM/hjPH/6q5w3ziQKE29QMt+OaSW4YQKSu0g/KqdB+PT8aAsdJ/wAJAync0uQDkAnHc9v609/EZRPNMuzc2AjDOD6/TI71zQvGAS2WXCkDAAwWH8u1Kt/I1s54csT8pJDAeo6DH/66AsdIfEX7gFpMMCCTnkjHX9aaPEzROUaQAt056Y5xz7VzayuioFRSpbn5sd+np+ven/bIzIBsO5vuhW9uuP8AJoCx0w8QXCkFUODnkHk1GviSQnETu+W2nB6d81z6Xk2WRnG5M/xck+nH9fSkW/eU+VKxyoIUOOv0z39qB2OiHiWSAiKebjJC5f05xQNfkMpaeUMD90ZHyn6VzM1xG0YhVSduGAJxgf5z+VO+1w9bZHPTeCc5+nOaBWOjOvuieYkgYLwSr8Dp09aWTXZnIkDBRjK5Gcnj3/pXMnUVd1hRFAySQATk5px1R0csVATom5uf58fWhBY6SPXJ5UEjTBSvBYrk5/D8ead/bz4DyycbsIMdf/rVzTakigAKMZwxYgnHt19e9NeY+RuEnBb7wx830ODnriiwWOmg8QTsQ+8j5vu5/r+FL/wkLRt88WVJ5UDnPbPt9a5kXgjUMVVUUjcAOQOvf/P506a4eXJ++hycMAD/ADwaLBY6H/hI5YIhI8pCAfKFOWxz/hSyeJGjKo5dN3TPTj6VzcNyM7JXB+TGGOMMD1yTQZ5ZFYCTJ6Bge3f6Y9e9AWOkfxAysDcTJ5Q+bkZz6HPb/PFDeImJcDcxC9OcY/CuXWXYrSs5OeAoPO2nPcvcAQTTE7cbZAv8+faiwWOl/wCEgliTzJmZTzuJGFH50L4o3R+YJuAf7pHPY1y736zudo3Oozn/ABBNSJdTKq5iAyNjDsPXk8//AK6AsdJH4hJIXcWdRuYquc+1L/wkMgUnhDg/MQD+meDXOpfyhgEBCHOWVutJLfxRsY9424wDuLA8deKNbhY6RPEkqIGW4Hyj5tz4B/XNWrfxVFtJ27cjGCcliK5IXbqhgVgCeD8g4PbiizuD8yyDCiPKq/THQ49+9FgO7tvFSlQd6oerBm7fjV+08Qpuy8i7iOPm65rzkXk6L+5w3PTcfX1HsOv61fTVCAGaUggfPnt6UrAejWurxM555A6k8fl3qx9qhmTEkak/3SOP8a4Gy8RNKdySEHPBJ6/jWrY67DI4aafBX7+WpCsdMlkkLmbTJntpMk7rdtoLZ7jofxzWnZeMPEWmZW9iW7iXoR8kmP5E/lXM22uJs38YYcnPGfrWjFfQSIGW4BZx9MUmovcaco7HY6N420LWWEEVz5U2MmCcbW+uDWwCDyDXm80Fpe4W4QO2OD3U44I7g+9WdO17xFoLCO2nN5COfJnPIHs3+P51DpvoaKouuh39FY2ieNNK1kiFnMFxtyYJuD+Hr9RWwDkZFZ9bFi0UUUAHtRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFH1oAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAoopGIVSzEAAck0ALVPV9d03RIPOv7gLk4VRyzH0A7msvXPGSQSNYaKqTTAkPIWwkf1Pc+wrm5ZI3mN5c3DTXH8Ukg6ey/3R/nmqjBy9CZSUTT1LxDqmsEpua1t+ojQ/O49z/D+HP0rOV4bVAEjVFyScHOeByfU+/Wop7qJAFbcwHYPwKqXOpxj5oS2MdcYHFbJKOxk25blqe8UIX3EAjq3P86oXmsFVOJCQp+XAzn07Vm3Oqp5uI5urEhh1HsKoX947y7wxRieRuPOKBpFy61i5O542BOM4GAeP51mXV/I5Dht65BkXHTv71GZUO6eRhGi4Jdm2598mqUuraZ5aul9BIj9Gtj5hA+kec0aDsWJJ1uX2llHHrj9en4VWkZjIY3QhCMjklSemKjGs6OsYeW6M2QMbYtp9ekm2qb+KdFeb95b3ynGDK1vESPr+8P8AKmBYfzIpS0u38VyOfwFQF4VkeCNwWKnEYPLc59aji8SeHJZ9yG7lLEjaIUzn15PTB61DJq2lSXBjFtdM+4sPNdQR+IPP0oAmTy1C+YP3i/wydvTjPb1pkaI0xlcF1cHc8QyB7g9qiGt6MzCWSK4Uk/Lu2HgdScHg1NHrehqjCK0vd5OY0YKdwPGfp+Pai4DSY2ZigXcDtG8gc469cVFPGH5+QqHxyc5PTjHTk0p1nRmhby7e6jZWGF+U5yeo6US6hoqIHlhuomUrkBU6evpRewDLkiFfOKDDD5iO31oWPJL+QFUA5DHH8xz/APX6VJFf+HZZSkovcbSzFUQFepyMcn6UwXvhyYq/m3gEK5wFVc+nH5007ARxLG7mT52UIR90HjHX2oYoqANKCF+75kf3Rx1p/wDa/hpAuyO7CyNtUgKGP49unQ0sl94fdiHjvW7DhN2M8d+aLgQNlGadgwUkgCM428e46UJG0sTSRSZUHgs2Dg1PDe6DJKbeQ3hHO3cEJHHrnpUdze+H2dIY4705baSFTKj35pAVyXIEigh8/IzKfTjqaHczqZWIJwdoiwcc/wBKne/8Owx4WDUgpbHyqjD8Rk4oub3w3bbHmW7CSHKyKqDdn2BoVgK8aFD+9Cnnn5sD1/z9ajeDNzhiFJJ3L1B47E/hz0q+t34ZQhkN2Qy5QukeGx6c4qNZdAaMxSRXy4fcx2pnHXAIPP407oCpKqscCNyVGRz07YJFNJSNCd5U7+HIwR17k+9XHuPDolkhX7aNr8bAgOOMZ56fSnE+HY8s/wBub5TghF4A+hAzS0AzyqCNcFF8kHOV3DJP61NLPI0OUhAHJJLkc49O/wBKlkbwy3yzPqHzpkCGJSOB2yeuSOKWW58PRItrNHetg7VZY1OR15yT6f560XQiBmI2mIMxUdFOCPxpgaJ4xMGUyk8goMg+ue3WrYk8OTTb0lvAf+uSjHqGw30oabw6sIUy35YAExhEB6dT81O6CxUeXzI1KkEoxyQvPTkcU1pkSMzbFz35Ix7nPerP23wwY2FzPfwqOirGnzZxzjdnoKdE3h57aRUkv3I+YssEYBHb+L/PFFwKoKKzySs7RgEySZ4x7nPWm71CfZInic4BVjjLcfqPr71Nu8PRxNeI1+FYEfMEBz9C+B36elPZ/DfmGGSa+YlQAkcKZY9/4ulF0FiuGhMC3EkLIQ+X8xQOQQARnH+fSnLM8SN8wGxwpEbgk8kDpyPxqaefw01uBtvnEeCztGnynjHOfxpJZdDaTchvpC6BnQxJnJGOcvzRdMCtCsjOI9obdnkIOO/4f59KC6rlHZS6kgY5Ix9Oe/Wp7h/DqyLF9p1AArkAQIOep5LD8wfwqSI+F4bbzlub/hxsLQoQ3HJwG4ouMrTSB7QRO23emFdn49u3HpUgnkiZUSQo0g+cbSQxGfy7Gl/4pSOJpJGvyhZiI2iTj1z82afFeeGyzKLi9zGvPlxIQvsQTzRdAQgyTN5gKqAM5xj8D9fpT/MVQZo8qxBAL5wRTopdAdcwNqDHaeUijAz7jdxSxy+GPLM08l8xX5WfyY8HoP79AloVyF8xTIzEfxIjZyPwp8jSzRmKS4UADC/Ng5GTyc0/7V4Xad5c3uAvBSFMHPPXfx+NLFP4cuLz7Kw1EFx8++3jYHuMHdRcZFGo2o0S8KuNpIxn1BHBHenMI5bby2mX5RhiDyTkdv8APWpPtvhlZzb3A1BWz8uETk+3z06W90IoUhe8GcA4gj3Lj/gfvRdCsyCHBTzCwdlUZLcc/wBKS3fcdsiFVAPl7xkkcHkDp9KsLeaFI0jwteBmAKr5SY455BbA5qOK98N3UXnQy3+ByxMKYH/j3FF1cCNpg+7EmSTg46j0Ht3/AJ0tuwhdY5rcFnA3YGD+NSS3PhpZliMl6wMhBMka9R3GX4P6c0kM3hxmHlSakHjQg7oE29MnOH65zRdBrcQgD52dgSOCXzz2+lHmoSqsu0Hkl2456cdun6086r4XkkJzqG4rgk26HHuSX9j+VJby+HtpmWa7zgbj5K/NweR+86UXTY0MMpjd1kH7th/A23nnk/zzQ0bR4j2jPBV88Aeo79v1olvvDaOZ45NQlwo3SCBTjjJH38D+VRz6t4VuTGr3t+rheM26EDB6ZD9epouC0JXmhlm2yMFLRkhQeTnI4/z360wy/Z4jjYku3gOmGJ9Pyz0H/wBYv9R8M+UJQmolXXAJt4xkZ9pPbrTDe6IrhZZb1VUb2PlxkYz/AL4PXt70XQrEkQ81gQS8YJOYuSeD6ZpVnKKGVVyw/iK/nz9Pamw6r4dWUSyTako/jdYEwMjpw59fSlbUvDglKiPUEWRMqwgjXAGcEgNii6HsONwWnk4UhUyzY4OQO+KQRMVMoVCuCWAA4yeeD0xjn6UkWo6ByjXF6Y5CVDC3T8DjeT2PH41F/avhhmJmvNQZhww+zxjP/j+B+VF0Imt5Fb+IGMgYVDjBx2OPoPxpbSVJXLlByC24HncBjJ7/AOfxpl3feEzH9maS/wAnDMPs6Ha5/wBrf05/z0on1LwpBJ5Ze93AZZ2gQgDAPHzfhRdB1JQ00iDzmVt33Q8WMfXA4+tOVIxEECsyuR8yHPTp259arf2z4YuI4WEl8N7ZBaCM/wDs1LNqvh6KFVDaiFBOQ9vG2fYfP688UaATxyK7qA+COCz5HAA6nHPP6ikhO0ecj8ZxnafbHJPNIdV8M28S/vL4KcMA0UYxjnj95n/PSoE1vwtGFONSyRnYIowcZ9DIec0rofUmjMLSyTPEPm4+Vsn6Yz9T+FPVxGoEkajsTuyDnp16VXh1jw/cW7zRDUA8bAlJLVFcDtk7/rxTotd8IvHhf7RIH3w0EeAB1z8/r1ppgSkb38lJVBbjJAxn69fb+VIMwTfuVbOMEq2QRnnJz61EviLwyhHF6+cAbLaPnjrnzMjtTDrXhmGBcyXwVXKOfIQ57/3s+2aLoC1G/wC5IYEYbEhVSB/gc5601mzIbiR9uxRh8dO/XtnpUB1jw4I2leXUVVM4j+zpnA6Hh/xpJNd8OSSMA1+gjIJ226FgCDyRvwe4/nRdAWkJnwyW7ZGORIR7/wCPFNR3jGY42YEZKgEHOfXvUI1rwuLZlKaiykABGhQNz1/j/pQPEPhMxIIm1BQVA2G2QZHoPnB9/wBaLoETtMdgSPyxI2AVAAPTOaVnE0m2P5nVTlByW/Ace1MTX/DMaYe5vVXpuMKcEjOPvnvVWLxP4VQ+VG+oxAk7JFhXjgdSXx05IoTEW0Z3jJcFd2SMA+nofw/OmBY5CTseVcnheQO3TPfnj3qGPxN4RMhWK61AgLjBs48lsgA/f59ajk1zw9JeNbxx3yyp97zYowAOvOJOv1H9KLobLnmGZiEcDABQr0wR2zwcEf5zUgG2NS0cibQwZWXGMcfiMdOazR4k8MhWDfbk3y7RthjPHVsnzODweP5VYXxN4U8p4CNS3uMxK1qpZuccfN70XQieSdpEcArtjUZQSLyBjJAH1/ShVeV9xcM7ISGAHPPA9v8AIqkviXwxNC6qb7fGQEBgQ788cYcdv58+6T+JfDwt2eWW+gaJhx9kj5XHb5zgdaLoexeFwsV15Tk5K4HQZOOOMf1pzThcMp2tvzGNwIz9COOpP41Vt/EXg6SZU+037Ls3N+4jBVQODy/PQU2PxF4VuZmnFxfgFCWY2iBT6YBf2/D6UXQWL8jN8gYvyo3IxyMZ9e3/ANekEwaQuVBIHY+g44x7dO/aqH/CX+E44g8f9oIhO1cQIGPr/H7Y/wAKH8VeGZJG3f2geeSttGMEf8DFF0GjL7MhwpD5c8qe5x1H+e1Er+QI7iRiFY/IFJPbkcY9+cVQXxN4WkuPIkGpZbJQNaR54xz9/wBc0y58WeF1lSFvt2fN+6bdCcepG/8A+v8AnS0A0LhZZWDTAEgYUkbeSc9z608tvl8zBOVP8ROMe468+v8A9esufxf4XiKsLfVCM4X/AEeNsHnORvPGP5VLdeL/AAzbKjSC/ZJAACsCdx6b+O3NGgbl9mV3zDKgKqcE8knscUhkVot5hB4wTuxg56+1Ux4r8GxsCovgoUlXktkORg5A/eexpjeMfDD7BPDfAI3zMYF6A8cb8HmndXEX4rhwSJY32rjawB3H39qM7IyPLLFhkEgEDPf8azpfGPhlZntiNQLgAqFgQZz0JO7ke39KdL4q8Lxhmd798sc4hTjHQH5+PXHtxRoPU0GuZEMaFFUMp3AdcdP8/wCco8TRoYQ7IVJYHeW/PNZv/CW+EnCnbqHz8r5VshOcc8l/oMe9Ok8Z+GYrhfNg1AleQVgTofUbj69Kd0J6mh54Y7ZlZB2YjILY6+3+RUhn2Qs2Q4/hPTB9f8/jWYnjHwkZuHv0BC432yAqCCOcPx/nrRP4x8JyoC1xfO4XiEQqOcdfv/8A16SaQ9S85z5e5GHy5L84+mT1ouWLSeaJCpblSD97GeM9Pw96y5vHnhSWFmu5tSjCc4Nmvz/QF89Ce1Pj8Y+F7m28pZdSkaNCy4towMHpn5/857Gi6YWNF2S3hP2eJIxIoLDGC/PIB6k08dWKEuvADRKG+b8sgf5+mHD4y8Krbu0P24xrnAeNBl+McFz3z0qR/GPhMSCKU6gDtGEjgQc9R/H/AJ+lF0FjWZwowFIyBy7BfT/P5UI8aStbwlAjKGVs5OMckHFZc3jjwoIleGLUGZFJlYWyKVzgYJDDJ5P9KZN438LgxzWaXx8xCVUWykrnHH3+uP507oNWa6Y2+YVVlC8MVGd2fzx0oiuhOFYguf4XHAzznPGD35NY0njnwe0iFrjUdsiAJGbRMg8A9W/Xke1TJ428IJamSGbUCAQEJtkO/jJIAbikmKxqQSKuYftBVSMYXGR6gj/PWljk2KYtpX5vvFMZyDx04Ge/v1rHXxt4Jt4BO7aiwZ2RFltkyOvH3uBS/wDCf+DZS8Mr3xJTcVW2UgD6bufTP8qLhZm0AjjJLu+TjyjjjvnimebvcI0RAJIyWxkDp7mskeO/Ck0RdJNTY7Pk220eOB1I3cdef50ReO/BLwM7PfttHzBIIyMdP79A7Gor+XG0O44VSAAhPH4mgBUgeIR7dpADiT1PQDNY6fEHwWHkJXUGCEEbbZeSB6+ZTofiJ4K89bdotTQufvm1jK7j2BDdz2oA3G8g53bckdMMct3OSf8A9VMKmIrE8gGFyMADHHT1/SshfiB4Igm+xXX9pq0YAjUQJznpyXP+c/Wif4h+DkBRRfYEgyDaoWUE9/n/AEouG5rSIY8bEYh3+ZASQORnp9M96c043KIt6sFyw2nG3HYn8ayIviD4Rfe8aagrsQY4xCpJIHPJbpTIfH/g64TzY5dQBwVlb7OmBjtjdRdCsbEMu2Yqsa4Kg7FPOccZxx1pyMbiQMqDhSSS+APesaXx54OQeS73wJONzWwGQB2+fnPX8aI/HngtZGKSakZM4IktFA9wfn//AF0XCxrmZFOYYizOeAGxt5/ImntIsSBY2CSEkhGXk889Py/CsZPiV4GE3lynUocgEqtqhxknn73t+n40QeOfBwUkXN8UI6+QpB7ZGZDxxQ2rhZmw8yqxSIHlM+W3c45yAeOKSV3WJVEbYU5Kcj6cH/PFYzfEbwTboZYLnUJW5+dLZTjOSf4/Soj8SPh8zLMmoX6SPgBXtFI+hO/05ouh2N4S2zzHy1D7Vy2Rkrj2z0+tNaZC7t5yYDZ+YD8vb6ViXXxF8ENH9t36l5bOSrvaRgd8D74o/wCFgeEAyC4+3FSpfAtYyFGOv3+1F0FjfQxsDKquq7R96IYB9R0H+TTWc4MnHyfcLsOhGScZyR1/OsC0+I/gKRsQ3epMWA8xhaqVUdv4zUs3xN8BLOIGTUkjkZiMWyALz1xvpXCzNtW3EPuX5lyNo4/Efhj8adIQknlyptwAQoxyTjjgfrWBF8SfBEcojS51Ep5jYlWyUDJOM43nPtSD4k+A0YJPf6mdhyW+xJ8x/wC+/T2Ap3CxvmWKJi6xBcg4x0Hvnr3qSKWRsuhypAGGXcOB6j86wZ/iL8P8pGl7qSvtXhbRflJ7bt+CKR/iP4Bt2FtHPqGTyzm0UgDr13fTj3+lF7hY3EkkLE71USNjbg8g5NOkYKuUEmAwCykbuv8AIVzw+JvgI20Vws+oDbhQxtUwee53Zx9aH+JvgZPna41PCt83mWqY56fx8/8A1vpRcNTcVjEvnCUknG7Zk5Pb0z+VKXcuLhlwdvzndtyMfp61j/8ACyPACQGWZ9QUMOc2aDt7SVEPid8Pkj8wPqZDgkn7Kq4x6ZcjNF0C0N9njZisHzrjg9Sv0xxTmTLF1ljTCZYKCcjjPbP5VhWnxM+H88cgt7jU4yvzSIbFUbHqfn5//XSQfFP4cSKzwXWqMV+/myXCdum//HGaLoDcIEvKH5geqv27gj/PWhLlg5PlYBYZbGd2Ovf/AOtWHN8U/h/tKvdahIrd4rMdT9Hz+dD/ABV+HUCHfeX4VTiVlsgcN6D5+/8An1ougsbjyMWVkwDngFRggfrSm4LQlZVbawONpOQcE8D/AD/KsMfEv4dCPcNU1LbzsjNkuGHX+/z6026+KHw3eYgXuoBVG59unjj35foPXtRdXCzOhEZMO9gwDcgl84A/l6UgmjkfzhEfLxhQcMOw9BWC3xS+HQsy0E+oyICPne0UEk46fPz+X+NN/wCFsfDaaPZ9u1PHGA9iACeen7wZNK6sFjeMyyB2chyBwyk9B69MmhJtsQNuCRgAuucep9vasRvih8NxEiXWqajEh5IFgPvehzIc9BUU/wAVvhzGVgF/qnlknJGmjHPOclxTugszdlaNgDJK2O6g8E9cHPTmnG4VoEZIgqopKlhgHt1JwTWHbfFr4UK7wRa/qLBiFcJpQyCT2+fv7VFL8Tfh1HqJsxfamHbON9goHI74k/DpQmhWOiDKrqsSljt4wAee/GCf89KfLOImCSQ7V/hDgAn865l/ir8NY8sNW1NVEuFYWKgjt1D1PF8VvhebdlbUtVJ6w/8AEuGWORyCH5wfejmQ7G49w/meUJIiAP3bqu7HqM0CR3fzFjDMBx8mMc/T+VYB+KPwwmWXOp6kjpjltNDbmz0HzjFOb4o/DMRtPca5qsYU7iP7NGGB44O8/wA6LhY30u45ImVudx4kDgbSfbpSG7KbonY5wANxBPbr/PIrBtfih8KpLjamt6nlgW3f2ao2qR/vmnxfFH4TS3XlprephSmWc6UMH6Zf6UXQWZum4kO1QVyp+UsvJ57n/P1qU3DSArubcwwyod351zY+L/wkR9zavqSRiQqV/soZLfQv/OrFt8U/hKZSknizUYgOQp0k8D6BsUXQWOgiuGk2xwSMdvUfdGe1Wob59qkuY5QMnPbvgg8isS08b/By4cJ/wtGKEnlEutHuVbt12I3+c1r2dz4E1GMz6V8XPDUpHBgudS+zOf8AgM6p/OldBZmjba0yRmXcxbuFyR+XFa9h4hMaqGBHPLE9M81mweB/E97pg1LS7WDULUkKJtMuIrkA98bGJNUrzTda0Zxbajp09qSucXEJQsPUAjNC97bUTVtzu7XXIG/dhQS33RnH9a0Y7iN1GGYnB5LdPavO7XUpEIeNjsHRT6/571tWHiJd6+fOucja2B+hHFDQrHVz21vepsYbcNkbTgg9MjHIPuKt6X4y1jQPkuS15aKR1/1ij2/vfz+tYllrBZcynIxwR3/Wrq38c67WVRxnGRSajJWkCbjsd/oviDS9ethdaddK4/iXPKnuCKvV5WFntbsanpd0YLg8h4+Q49GH8Vdb4Z+IFvfOunayoguc4V8/JIfY+vtWUqbhr0NYzU/U6eikBDDcCCCKWoKCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKADHOaP85oooAKKKKACiiigAooqrquq2ej2jXl5LtVRwD1PsKAJbu8trKBrm5lCIoyWY8VyOu+KLnWVMdtK0FnnlgcPKP8A2Ufr+hrP1rxDc6zObi+PlxIcw2pP6t6n27fXpi3Wrx5JLspzgc9+P84rWMOsiJT6I0nukiTEEZQKOFA9T2/nVSfU4kOMMQW4bHesufVSkbFptqAZ3H/E/wA6yr7xYBALm0IlUEj7Q8u2MY9DglvcKGI9utaXM0joLjUmCMyMHLZ4xnPvxWHfeJ9KhkNq0xZwfmjhG9hnuQucL7nFcxqHiO9u5BvuZLhlO5VWTy4xzn7inc3/AAI4P92s+fUU8k2l7IUWMgReSoCrn0UYA9c470irI29U8VNGzRwhQXQ7RjzAD7qpCkfR88dKzLjxJf3CFjcOo2goiuFX8CuGH4sazbdHto1+yZmUn5GCgnr1J/pzSyiFYpXMhZyfmV1xx3H146UALcavO8x1JtzSoNgdEG72yep+tJd6qkoS3ZyzhQSp5ZT6+w/xqa3nAskmLmNGBAj6EDoccYqm9rHNPLIHfZsKqr8AdPx/zxQA6eeJ8RSRoOSWRMZbA/nTlWOSMCdiJcYQdDjHTnrSafC6TKZBiJOMHO5hjqSfxpDNC07iBGyDk78DafbpQAq3UNvCZnDq5wA42qR6/wCePeomWRnVnUBd+7Ik5POefQ4pbuKB7pHVUVmOc7SNvPcE/wAvX2qRIhaxmJmU72OArdiMDnucf5zR5gOuLVopPNlCGL/nox4TPQUy4uCUaU3OY1b92uz5UUY6+3NMiWOHTmtp5GZ2JAKrkjnkHr7c+tPCGK2mkEgCeadsIjHzA84z+lAyISsoKMxffJuG0ZAz6en0p9wrvPvll27l2t8vXHbOMVGbmzZ0t7WGNGDZV+SVUjkY7dPWpLu3aLALlkyW2M7c/TOMUbCGpJG1urmXLEEENwT39Pelmju0DS7QynO5WIAHA/DvTFnFvNm3jVI5FyIipK59j/D7/SkeaOQLbedsRvmUKBg+2cZoAkk2m2DtGcrhthwT16n6ZqGO8jnut7Pg4IZEBIAHr1z1HpUkZNuY5knZJAT0fO70yaLK7eeQ3ElvsDnnCZHft+NCASVlEqXFqF/fHk5wM9PwNOmaOAh2ZU+bAkzk5HQcio5YkupGDM4RwTGnoc8H8eadbQIbZBNCrqrY3r2PqR/ntQC0CNp75MW+/wC78vyD5/8AODxTnhO0LczcoMrGATznqOeMUTO9kzNBJh3A2EL90DviiMSSr9qd3ZtzYZW2qwI75oQMc6xTMwVmUqflcggH8e9LCJIyQ9s20DDZX73XABoW7uJI2ikjDKw+XcwxnP6duaQG7UMzl2BIBJfduI9OOOvSgYy3jnu7jzfO8sqfkj8wEHAxzQQxDbWYFmAAc5A5PApl4LO8CWodkkZg4QHqckcnt34p7lkLJMWEYjy8wj6HPT3+tAhsszWduJI0UjksDzimRXxhlEbpJiQ7i5Odo69R+I/CkuZIQ8KRTk5DEAr91vdf/wBZ4q1ePGAIbqR923EZCklTg5J/x96AK/8AaMcs2bZInUJ+8cA4PsfWmTTJcz703K6E4YIPlx+Bz9PypJrXyolKiR3Lkjtk+5H1qYxiK0a5uixZhlvLXJHHJ5oAbNJZxlTbln5wQmD17802WWEqLKPepCZaPgDI5OfTAzTbRo5B5JG1WAQfOQWPYkA9uKZb2ZnMtsHj3lxgu2OPUDnHce9OwEkFs8rsLhAreX8pzjaFOcD1GDT0j+yyMbny0lI+Q8EnPf37nFNvI0+XyyEXcC7p9BkkHB/D1FJdrBNgLEQViY7ynylhjJ/z+tIBL4GIGF7kMXXBkMY5JBOV6Y5/pRZ3IZvN8yQSrD+8l4+7j+eADRchMJb3syzKgyqbSArEZBOPU+tJBLFqMkhhVIyx3LsHJwMdcUARzExOI/tAwrLkbcEfn17dPapJoGa6MVq/y7SzZ7cDt+GfwpVjSOUrcAyK/wAo3yFtp7EnPH1x39ai+3O5EEuzeCFQtlWHocY56fpQBMwuVnWG4UHuGwAeDzwfrRJI1jIbpeMrtyBlR6gDvjGKhWVrktKVeVoyqNH0wCfp7560+8ke1i8qB3ZZAR5bjcMZ44xzR0AbZzwSYViCk2SxwcFSf8/nT7ZpFlljl+SNOTHKPzyO4NPjmjNosLW43bP3Y2d+mOlV3Qs6zXGfOHV5TksuSRTAeb2O3n8tW8ss5AhiG4tk/KcnP5/p2p0cF5cus8W7yxkgHgpnPfPFSC0Ds6CNN7J8smNwwc4/Cqr306v9jhmCJEm1nOfmPAx0pAS2m1Gab7Q0pZG3EjGGHb36fSnlXOGgPztjdGVPzDI5HsOlOkMlsoWKOQBjkkyjgnr9RUc0zzyL5wKtEvVpAGIz6+nagBbjfDEriBhtJCbvlwD65+tMjt5reHe10XDYEiKc4PUY/wA9ventvKpbXUZYH5Su7OBnI59e9ReVbz3YuLKYjYu0kpjaMgYAz+tAx7b5D5Mn3FxuLEBs89ffge1RTTs0j2yspYsRGw69cj6fjmpFV2EZv2khyThSucjOM5HUdP59qbp5Et9MWkZMBi8iYOQOhyB+lAtxsGrRQwtG8YjIbaUcY3jnt16+1Mh1GFoWlMKqpLFC/VcYPA4x/ntT9QeK5IZHdn3fO5ThiAOnbHTjrUK2skV0bWFuZGClmJCgYPYDGeB+XGKAHaesIby5gYoW+V8jhz7cf/Wp/wDoYlIMMjJksQqjgdM569//AK1Jqa20TLblnLKB8ixjD8Y5P0/nTHiE1oJAFBjPJJLccfKMH3yfTFMPIHkMztNasz+X0BcZXJ6DnnA6/Wkj09rq2DRAb1kKFd5/ed89sHpUltaBvJuUljK7CR83IJBAHTqMcHGOOnSkV3jvxLcuCjIdwZeDjgkHPpj6ke9IEPTDRJaROicMbnywCSBzt4+6f096rtOxkQhuYlKlwPmwfX1/LvTraJnvvOiDQhnk5kTpxkdvXqf1phvbWKY3VxbpJOSwbIOZARgYzx1z+VMB3mtPZhGZ41ZyWXbxx16f5xmorQwzuUnl3gRMPMA3DjnJ/XrzU0cEksX2pbtSVHzBGKbTx19s54pn/HlDhLdjcRuDvUH5l+nOR1pB0ESC+Zd0bg7CcMhzkjB79sev9Kfb+ZM5BRVIwrsrA7DgDIx1NQSXjvMZLdhuwDIyEY78kHp6Yp0cSlMzxFlESsjh+Nx74HbH+fUCw2eeKzi+xFNgDkqrg5Jz69uCf51IXguYShQkxDMaKMtyCCcnGeT+VNku7iWaO3cecidHZRnGQe/IPHT3NSXzGZUFqjJMF3TFRhiAQNvX2oCwyB5pYQ7RrLvRgoLfdYHg5/Dp7Uxr1Jla0jlMhGACo4jyf8elLBaKJmS1jz5illV+M88AEj0/QU8RQ2toLu0QAQsXZCCSwA9ce/6/hQAiW10oaSe4KJIwBlGcsDznjrz+tM81W/0YwuuXKny1zx1J68Z//XTBc3N84hmXcoVwEjHzLxgHng/TrVmTUZrZ/wDj3fKtlx5oJx3zjv8AyoQMhMbqzRwKJY87YigOQc/d/wA5pZmSe4ESZQuw3sXwSfof8jrSxNc7vtMK53OGCJIMZB5O0dc4x+FMFzbKzy3KlnRPlkPPX8Px47UwFMc8ZjiHmvhThlwQw7A56+p/lTFLgM8cyrNtLRKABu5xzg8n0/GmRQPaRg26yTlm3RBVxnJ5Oc+g6dDT7kgQT7ZHMwJxEy449Bx1H+cUgI2vXYNdMXcwZwqryx7E/jxn3p0+pQG2CbQxb5vKI+dTnGeOg6fn+FS2zyRaf55mxGTjY2MgDg47ZHb1/nDJDbzXHnCRhiLaAy8DgH65oEMub2GSIw3cK5BOUC5L4H056rzinR/ZHttl5PtflYwflIGO+OvfiizimllEMpIREX52OSwzknp6/oKjkuoWkeVYmzuAYsduzAHTn0PX8BTGPS5ihgd2jdHI2I4VVIPQkGostJF5iISrNvO5xlhk7QcD5TxzT9QijjuIxEUQyvyTztI+XnJ4yR0/2jzT1jNluDNHgliArZChlI445/8Ar0BsOm0947kDyU8gt8rlshAwJAOenB6ii6dblBcJNmOMhIYwp2KcgEk9wcjnPQVWZIoNNmtpZGaTaQCvJQ5AOeT0459afHG9vHOISEj84hYliPKkZA+v4+9FgsRrKwLLKQyzbXAjHyjI7eh/wp92EllNxLKRGZNm5ud3A46Y7/zNRPe2EZSGztolkDbxIxZigIKsMHk8/wA6kurZoQTESV+8qiY8jg8A8Z7e9IYyVkfTGlynmM7BFZcA8dj368j+vVdupRQtOXG3afMVyAing8dfXNK9wIiGRESKVPljYYTdkd+dh6+v1qCWZpT9ngLrHkEIMYOc8dCT9e/frQItTWzTwM08LDHzKAeeoPb8P8aqG+jn1ENLIqui7ZAuR2GMdc4yPyqxse2TzUmljmUNlmYHOCcfn/n0qO3u7q4mZpbV1MjDL+WOQSNxI4z/AFxTDYLsFXhubcHdM48xgeCeeOc89PwxT5zHFCpmkCbMq0xJzkEH8+v5VE0f2i4IVW+zuSuxgeGDcMB1ycH8vanx2sb24ingSVEfBO7GBu4JHfr645odgGGabUCJLEyEvGdhK/fJPcDGeh4749ej5IbiNF+3OxMaBlTbgMc/XA57Ul5NPp4cw4Z3C+WSmNmP8KfHK8pNxOGmLEgPuAUjoQc8jk9cc0gFuJElDMZGjVVGyQqTye/v3/OkjM0cIluLRhjIkYD7w7c9ufpjNI19LNC0VzHlJVIPmSA4I9f0596ak0wMn79gm0AMZA2SDwB6c5z64pgIkZuJBIkjxkMBGFkAzgHAP0/z2pJJZlHG45kP+sAwD7Y/QnrmmXb2ctulrh4XcbiBgl3ycc59zxz+FNYPAXglMrqYTvlC4AP0H5Z4oAWVxaRo6tn5i0mRwGHJwO3TgfT8GQXpjuYitu3+kyqzPt4Vc8n+dNu2gUwGI72BJYHGUfpyPc/jV6+kt4U8qe4LuEG0KSSCV/l/jSApS6pHdy7UjSQmMtIyr8pPOQcde5x7fWori4E1wXgjyyPw8Y6EeuOO9EdnshWZ53crMx54LHHA47HJ/wA5qxBst7Zry6clm5BjXkY646Duefp70wC5ltAyrEQ7CUeZtPJY/p0xUP2yNFS2gUx71/eKx2gsSDznoODz6nNJZ+RIUjaHEX3ApbG85wCcH/P8mQWzTSy29u6FgyqGK4BBP3hnPv169OlPQCeyt2uJ/s8sQ5RlQlsqoXBBGOvWnW9uLGRpb0IJXG+N1XJYHoR6nqccdDUc4gEKl2CIrKWMTZOMBWIHpzjH5027NpJCkccTO3lOQwjyrN68/qPekGw67lFuxSWcStIu2R5IsKSQeV4Hp9enSmW1zGrh3kbckOWkK4IGMbSep4H+FJcKF2pqc6yRFAwXySFjYjg/L6nj9ajjnTU2cW8SJtA2beAzgYzn8u3ehgJIY7Vz5lwFlLDKkcgHv64PoKku4kD7bJwTsJYuoG0bR1Hc/wBRSG3SO8El4Wk3Ar5hfdjggEn8eOO9QNeOUEE2PkOwBztcfNgHH8VNbgWGW7iKWV0HbcT5bFl7d8HnoRz70Xcn2N1vmwzbSjEHIABPbviq8MpucndM7xkBoN2DjPI6Z6Y4+lOv7s6fE8diDtdipiIDD8vrSAWwubbyRGzjypW2+YN21l57Y47d880kAmWea1QhI0QOUc9wOeADkdfz9qclzGLYrfWpJJAQOgI3ngY4GP8A9QqJkLnzZ8vcI2Ekk/iGScenTinuBJJeLaO8Jk8ve2PKhG4sD0yf1p0VtfXJWaFxsLMXQjG30Of6+9SpCgmaQ26bzESHzuyMHHAHaqj317ZqbBCiKsbJJOckFscD9f8A69AE0DJDcfaJpPNdg2/I+6cfd6/55ocAOJIDmR3JaJwRxwOPTgZ/SnG4aCFFgs5FbPLSzDAJ4OMdfSo3mnuFBZQskXALMA20kdMdB0FADnka3UE2jcMfKV/lAGev+ffmo4IZEQzveM4ClpEU/dyRgg9Dz/jmnJcyoFhvI2IBAKl8kZO4E5Az19e1Ru8EuoefZ3GwqCpXyxgKDgYGcnPJoAbIkkrt5udigeYWwCAe/wBfTFF1czx3P2aJNySsQjooyo6g5zx9TQS7GNbktFFvOVKE7uQA3v8A5PapNOKXOoSSfaCuCTI6jhlHcenSgCOHUIIgxlPlrFhcyDAPr1HPOe1Nt9SWOKSZYFjiLEqZOgwD27fh2ovTa3ZKeZIZOPN8pQQ4A45/X1/Wofs8cV0yQkguVVi2SF+U449eBQIbZtbtcESKYYnGZG7Hvkce34+/Sng2iSExpI8MjBlAG4AD3PIP+FS6n5NqkMCJIzbvl2gYLc4BI6f/AGVQiKCa2b7okibc25i3XoB83PXPpweKACa9FzIzWrl/KJ2ozDIPGABnk4/LNOWwe4tg0MSmTzGDI743555x9O/1pkVjGUjuIblPK5LruywJyAOh/PpxSH5boSSTlY9qqeSVYAYOPwHXrn60ATQhFjW1ifynbImeMZ4HO3GMZ64NVDcIJVSC4IMMh37ch8EegJyOPapXMNxfGW0QxlpZFZpo8kcfTj/JqIzWFuz3d2iTOfvuQwLgrjAHQ5P8qAJ0dJ7fyoZHjJckKFwCefx59f8A9dRW727y+T52QVJeXZnJxnPTp2yaWBUktluAxR1iKlYw0eMdAeOme3BNMcNZIUiiZZo8ESLklh6DHUdqNxgtveyAtHJGOflcNksQv8sDmpkedyxnVB5agOQFIHAyR6ngfnVV79jIZ1lQEKGymM7eeuRxT7dI51+23IEsZiLF1kwAeOMcdv5UCI5/Is1Nh5uxQ5KrIpJJ4OOenBOcetSPNBNbGKNCTEM4jHzE45xn8PbFRz30stykKyGVUPyEpkrkDjPUHgdf8Kmu5RKFSEBJj8zuseDgcbeetAxtuJri2+0PbK7OmEBkz0GM8/y/Go0uVl22sd35mB8qrHxGpPU498UtrbgXCi2x8ynard+e38/Tg+9SfZoI7dLhQkIjYtKu3livXn9c4oAa8F/HG1zcS7EYj5tmSR7jqe35UqSxxILdE3hzt3qpw2ccgf19ueaiS5ublhbzFmhZnIiiHzAdic44zVj7ZPEAwgddw3FWfJ468djj60B1EeJxJiBWnTOE2xnCEEcc/rUU7yNsghyhYhpJGcKM98Z9OR0pzySpKZrZXy8mQkcgG5gepA68jH6U57uIFpb6NjsXKyFM7cnHTjv+lMRE4mjaOF7h5SB8rR7ScdwabH9qafeXiJVWaPBHPOOfX29KZApUlrEtMrElEwCevOCen6053jIm8y5YyBTtSRcAYA+UHsaQdCGTUJijTzo5ELHcq4OcjOeAf8mnXGqwC1QToN+0FI2HzDJwDjsOh/Gp7F1tbA3Ak8uHKhY8n6EDtn3qtJbW17cfaYy6RKhCpKvA4z9e2ePwNMAubkPbfZ7mFHcsA6qQzt354Jz0NJaxwS2fkyzCNgNtukmeB19u3ektFSa4WKKQxRRld8jlsyfn09KbdPay3DtbRuWIG4Odqx9xjJHbPv70DAXlnbxvcSSTxgAIjKmMHp+PrTJIpGdnD/K58zcXy0g6gHrj1pb77MskU0Vx8z8DI5z0yTn1HQdc9anhhS18ySWaFhISwjXsuCOD34o0EOn06SGdrkLCYgASCT8pPTjA9uetMvGWYMYpUMMZAjRB8qscAkkjocj/AOtUUJht9PngkMjSbMIByQfU98AYz178eqwq9tFPPBIsaBgqqsfLBlztzgfnQBC92C0kpR5UlCsIkQDPbgZ6/j61JdRw3Ded9p2qAqHzE7kdPTv+hphu7COOOG2hQFZFYNgkoduDnPIGaW4tjGhjTcEJDOqzHGOvAPft/hijYBE8i5tWd2AdWPl5UAMOeN36enNOiXVIv38ca9PnDsuAMA9e55/E1E91EQpt4khhkj/eJ2yOo6Hafz5qOO+81fs0MirFK2BhwVz6Zwc9+h/OgCwttI1n5cqsmTvGOWb0PA9+1QtqEbyiSR95j5ZY2IKj685/Tp17UQeXZyec6GG4R2LMHBLDIx/LryKLS8ea4kurm2KlzlnMfDDjk469/aj1AW6mTEdzaRkSSEZYNhQc9Dk8Gp7lXtoy7vGpEmJJy2TnjAx0J96ruiXc2FjcRSMcxAYBOeD19qS2hMtmRcxLIiOQ2xgNvPB9xR1DWxImo3srrPpdxMkik+VcD5Nx7++OM12WhfHz45+DiXg+J2ovG8W02t84ukdf7oWYOE/IelcXqElxp7Hyl3s8YEP7s/LgZPI/l70+CQXRkuTK0p/heMgKBjBHPPU9alxTeo02tj2PRP2txcERePPhxpV7HHBtFzppeyk3cfO2zcr/AE2gZrsfD/xT+C/i50/s7xXeaJcbljSHxFbbY2J5LefHuRV/3gua+bTe3AV4JkzHKmG3OGA7cmmCa6tWlcIwQAKWMoIOOwxwD2o5ezBtdj7AOla3Y2SarEgvLB13pf2cyzQMucA70yADx1xUuna7vm+aYsWGBn1r5N8KfE/xT8PrlLvwb4s1DSLiYh3S2lyszjO3ev3WHJ4YHv0r1jwp+1rp2ovHZfFnwSZGWPL6/oMaxPx3khJ2yEnJZht9AKTut193+X/Dhyp7P+v69D2u21MyLuM2cNhSQOn5U6d4JkKyIpBONoPIwc/nmud8PNpfimxbXfhv4jtvEFoozMLX5LiDPA8yFvnXODjg5Az0qSDXTBIUkYqFz8uzj/8AV3pxd1dEOLTszufCnj690VhZ6uzzWf8ABOeWjHv6j3//AF139neW1/AtzaTLIjDIZTkGvFoNRVogTIBuOMZzWn4W8XX3hW4Bt2E1kx/fWwzlfUr7+35e+c6fWJpGp0l9563RVPRtasNdsE1DTrhZI3Xgg1crI02Cigc0UAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRz60UAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRVbU9SttJs5L27kCoozzQG43WNYs9EszeXj4UfdHcn0Fefa/4hudRuje6i4TH+oh3AiP346n+VReKPEs+pTm+vHKBTiCItwg9eO/8ALpXIa1r6IjSyzKiKMmRmwP8APetIRtq9yJSvotjQv9eBPkqwweCSf6VkXGt3EksggIkMXLtxsiz3djwvsOpxwCeKp30jW6rdapK8SMMw2sY2zTL68/6tfc/MR0HRqxLzWpL2BbRpBFbo2ILaL/VIeuT3ye7Nk57mtCbI0dU1pAjGC4jv3YjPmRkQpxghUP3z7vxwPlBrLuLt7+5Muoak0hIGEkYswHHT29hx6Uyz864cwbnSJOjEbRu/Ac5/CmSpPFf+Y0OAGxv6nP40LcY65lijWZ42kfH3VMYPamiYssZYghk3hSchfzOP/wBdSTRyxKbuUuWbgSAjBGOn+fSo5HSS3aOMMsjcFgBlO5Ge35UARmR0RWjlY5kJkjVsED1xj8cVJNiZ1CxoEbJU+p561l+JPFnhrwbpLa14o8SWmnRIQv2m7vFiVfqzYFeTfEn9uL4U+DbN5oS14kZIS8uJFtLXceSPMmKs4PYorjniplOKQ1CTPb7drY6cYioyxxlvu5/yaguZpVtCbdRE+AHZ2y2B6ev0+lfCfxI/4K4aXbW8lh4XaEhwd66RYNK8beomn2IR9IjXiXiz/gp78aNZQRaQtypXI33+rysGB9Y4PKUfTmodVdEVyd2fqhLqscUIfUNQgQIu+SRpAm3HYjNYt98SfhdBdo03i/So2z82zU4ienJwG4/Kvx+1X9r/AOO+o3Ut3beI7WweYkyfY9Nhyffc6s2fxrnr74/fG/USxufipryhjysOpSRA/ghAo9pLsHJE/aF/jF8PZ5SJPGVipVf3Ugm+U8Yycd6jn+J3w2uWIv8AxXbZCja/mHJ9sn+dfijL8UfidctuuPiLrzt6vq8x/m1RH4i/EItl/Hes56f8hSb/AOKpc8g5Yn7bSfFn4WXcUcC+KrcKR8xd/pnPem2vxd+GotWiHii1CjkoVbaw9s5xX4lf8LD+ISsW/wCE51nPqNTl6f8AfVIfiH8QnGw+OtZK9wdTlx/6FRzyDlifto3xY+GLK5fxBbKr4LCOQ44xjt+tInxV+Hz2pnXxTauUyAivhuffGfWvxM/4WF8QV+7471kZ/wConLz/AOPUo+JHxEA48e63jOf+QrN/8VRzyDliftfb/Fv4c7EjTxJbA4wOWIAPJ5xxxntUi/Fb4euxf/hKLYZUkMX5HbA7fhX4lH4jfEZT/wAj5rQ9P+JpN/8AFUD4j/EVQVTx/rWD1H9qy8/+PU/aSDliftlJ8UvAsv8ApI8Y2gRCDsaT5mwD0GD39PSny/GD4dySkWviW0U7QuQ5GfxI6V+JTfEX4iv8rePdaI9Dqkxz/wCPUL8Q/iErb18d6yOwI1OXp/31R7SQcsT9uD8Wfh8qoR4rtOTjG45A/LmkuPij8PJI9qeLbI4bKEufToTivxKPxF+IpYhvHutHPU/2rKf/AGanf8LG+IwBU+PtbIIwR/ak3P8A49S55ByxP2xHxO8AypGt54ztIwuQwEvXPqR/nr1pZPir8PI9trb+LbNYwOWjcjj3456V+J//AAsb4hgZPjzWfp/asv8A8VQPiJ8QkXH/AAnOsAdwNTmx/wChUc8uwcsT9sB8Vvhs7sJvGdvu28PGx5z2PGM9KD8W/h2PLQeK7YqAA7uSvHHU8c+1fih/wsT4hL93xzrKjHT+1Jen/fVK3xE+IJPPjrWeegOqS8/+PU/aSDliftfL8V/h5PBvk8X2wd2A9CORx06d/wAKY3xX+HkVwYrnxXbsjYG5ZCRkewH86/FP/hYnxE4B8d6yQDx/xNJuP/HqX/hYnxCBI/4TvWefTVJun/fVLnkHLE/alvir8OkAM/iazydpBjLZA7fpU118Wfh0hSZPEtoyoCBhjluOK/E8/ET4hSPlvHWtEgdTqkuf/QqP+FifEIYx461n5TlT/acvB/76p88g5Yn7T3Hxa8EC4i8nxhZxxk4GFJOOpzxx/wDWqVfil8OpHaafxDbSxltuGkGMDvnt61+KR+InxBb5v+E41gk9zqkv/wAVTv8AhYnxDIP/ABXWs8+mqS//ABVHPIOWJ+0dt8Uvh5ZXO+08QQIWQko7kj3Bxnr7/jTh8V/Ac8S3Fr4utVfzC0iSggnjHbjH1r8Wz8RfiIeW8d60Tjvqsx/9mo/4WN8Qiuf+E91nJPU6pN/8VRzyDliftDD8TvhtFIkt34lhZiSrqjFQAOmeoPIz/jT7v4pfDWUtL/wlUBY5ADSde5xj3H61+LP/AAsT4gYOfHWsnv8A8hOX/wCKpR8QfH33h461jvn/AImcuf8A0KjnkHLE/alvi98PFVGHiazmZkxtlbGz17c/jVe5+Kfw8jVVg8S26yAYBMpZSOD6fQ49q/F1vH/xAJ3HxzrDZ9dSl/8AiqP+Fg/EHI/4rjV+O39py/8AxVHPIOWJ+0V/8V/Ay+W0vieCQs2WdCwXd2HA54xjNKPip8PJFMcXie3GSSc5zk8EZxg8fjX4vn4ifEVs58ea1jHU6pN/8VTf+FifEBcKfHWs4znH9py//FUueQcsT9pT8VPAVpEpHiqz5O0CPqQBwcY4+tMtfil4Dt5EmuvF1o6GMFgrHggZ9M5zz1r8Xl+InxBzuHjzWeO/9qTcf+PUj/EDx9IuW8cayST0OpS//FU/aSDliftCPi18PUiWOPxLbrHg/KpJxzkHGPXoPenL8T/h1FMY18U2igHIPIGT68cDk5+vavxcT4gfEFU+Tx3rKj0XU5f/AIqlX4hePyQW8dawTjgnU5f/AIqjnkHKj9oJvid4Gw0kPiuzBJ+cK5+7n0xyP1p8fxN+HcpaafxdZiQHJXJIyeoxjkdP69K/FsfEP4gIwZfHOsA4wHGpy5x/31Th8QfiAudvjvWBkYI/tOUf+zUc8g5Yn7On4q+B51Vn8WWcTPkgFm2gAH24H19amT4qfDaRFkHjCIfvTvTcQOnckcj6V+Lb/EH4hFNv/CcayQpwF/tObj/x6m/8LB+IXzAeOdZww5A1OXn6/NRzyQcqP2hh+Lvw/WWR38UW6bcBSAQSOecDrTn+K3w/eTzE8W2yvF0Ac4bOOOnP1r8Wj8Q/iBkb/HOs9OM6pN/8VTT8QviAAceOtZxjj/iaS/8AxVHtJByxP2mi+K/w9Yf8jPbG4VSP3jEjGOoPTFLbfFL4aJcrM3ii1GIsgqx59iMc8V+LA+IHxBUhV8c6xjPGNTl/+KpD4/8AHy4B8c6vx1/4mcvr/vUc8g5Yn7Tr8W/hyk7t/wAJJbAltylWOBjkD6k1Enxb8GxiVn8X2nT5Y1J4Y8cHGSK/Fv8A4T/4gK4ceOdYz1z/AGlLnP8A31Q3xB+ILZZvHGsHrnOpy/8AxVHtJByxP2jb4n/DaWBoJ9ftn2lSG835h7fNjgE+vaok+MXw9tbVYj4mjaN8bwAxbPfGRgdf65r8Xx4/8fgg/wDCc6xx2/tOXgf99Ui/EDx8v3fHGr9eT/acv/xVHtJByxP2jvPir4DG5JPFVpIkjKYwu7Axx+GOO/H60lp8VPhlah4z4phbaPkO7GAc9M8dcV+LzfEDx+evjvWCFOQP7Ul/+Kph+IPj7kHxxrHH/USm/wDiqOeQckT9oIfiz8NkuU2eKoAveT5iUbBPfjripn+L3wzdljOv2ZKnd5isUJI+g47cV+LB8f8Aj0cHxxrHPXOpS8/+Pe9J/wALA8fh9y+N9YBA4I1KXgf99Ue0kHLE/aGL4qfDgXjGy8X2scbAlwz57jJ5HPT8aY3xY+HLXEgbxLbxgphsSMQgHbGP85r8YB4+8ehSo8b6uOMEf2lL0/76pP8AhYXxBA48c6ycf9ROX/4qjnkHKj9o5vi18PnjyniK0OMnawOc4xyOxxzg5FJJ8Wvh8LhbVPFtqSpALlsIoH1689K/F4/EL4gHg+OdYP8A3E5eO396mHx948AwPG2r+4/tKXn/AMepc8g5In7Rf8LV+HcNm1rc+K7N5UcFPnJxgHJGB6n604/Fv4cylhL4ptjzwS7MCDyO39a/Fr/hPfHSkuPGerAk5/5CMvX/AL6o/wCFhePVHHjjWD6f8TOX/wCKp+0kHJE/adfix8OlQmXxbaBg2WXJyRjGRxVZPin4BikyfGNmY2iwGEvr3Hv0/wAivxg/4T7x9nePG2r7hyD/AGlLx/49SHx5492BD411cgHj/iZS4/8AQqPaSHyxP2mm+K3w2tohPZ+LdOkkZUDfM2Q3T5Tjio4/i38NFlM1z4ytmAOWj3lmJxkkceor8XD4/wDH5Jz401c8df7Sl/8AiqaPHnjwHI8aatx6alLn/wBCo9pIXJE/aW6+L3wwKylPGMR5UJkEkjb2x0FJbfFz4apEiv4ttcFdxXeSM7j1OO2B+dfi4fiB4+kOW8cawSepOpS5P/j1Ivj7x8OF8cauMdxqcv8A8VR7SQckT9opvjB8P1hV08YwAtIzMqS4YDueV7g0/wD4W78MZowsfiyzSFsZzuBZsHJ5Ffiv/wAJ748HH/Ca6uOOMalL/wDFUf8ACf8Aj3GP+E21f1/5CUvX/vqj2kg5In7URfF/4Zm0khfxZY75SQd5LAc9Qew/+vUc3xk+GywHb4rtEG0LI24545LcA5J7D6V+LR8f+PAML421ceg/tKX8vvUg8f8Aj4LgeN9XH/cTl6f99Ue0kHJE/aNPi74FuIFNz4xs5CV3yFXKlQO2MZ79Py6VFcfFT4WPcxXA8Q2yYKgvHNkNnqMfrnFfjCPHvjsEk+NtW56n+0Zef/Hqb/wnvjsE7fGmrZJycalL/wDFUe0kHKj9ov8Ahc/w4vLjy5PF9srBfkkKNgnBBJzznpx7VF/wtL4aTkW1/wCNLUExja28/eHbPryeo/A1+MLePPHW7J8a6tn1OpS9v+BU1vHfjona3jLViCe+oy8n/vqj2kg5UftHJ8XPhLJbxqPF8WxmHmM0uWbnBJH/AAH9BSRfGP4bLZyCXxfYx7GBkXeWEmRnjuO3I9D71+LbePvHZ4/4TTVsnjJ1KX1zj71I3jzx0clvGurZzz/xMZeT/wB9Uc8g5UftJcfGP4YeSZrjxHY4kO0qk5OcdBwOee/tUUPxi+Hpsn3+MrUoM+WqsdwzjnOM8ZJ/E1+L58d+O8c+NdW9SBqMv/xVI3j3x3sCN401bA6AalLgf+PUc8g5Yn7PWnxk+F6BS/im2BViBkscKcc5xx1J/KpR8W/hj5rXX/CYWSHacl3PAAAG3/CvxcPj3x6ckeN9XyeCf7Sl5/8AHqY/jzx4x+bxpqxIOQf7Rl4/8eo9pIOWJ+0M/wAYPh7Jm6Hji0URqGZS+GbGeg5xz2/+tT5vjR8MWuPOTxjYhjEokKljkg5yOOcc/nX4tP478cOOfGeqnAwM6jIce33qaPHfjncAPGerY24/5CMvT0+9R7SQcqP2nf4z/DMAzDxdZkjIA8w8DnkfL7k0s/xg+GUpCReNrHqBGS568Hk//q6V+KzeOfG4BX/hMtWA9P7Rk5/8epP+E78c7ePGerDacjGoy/8AxVHPIOWJ+00Pxc+GsgSG/wDHmn53tz5uc5yDk4HbBB+tO/4XN8LraVba28Y2IhKDzHjdlBOP4uPYV+KzeOvHLcHxnqxGckf2jL19fvUP488dMOfGerN166jL/wDFUe0kHLE/ae0+M/wpLuLjx1bbpIyS6FsEEdCSMZ+uetR/8Lo+Fpit7dPGNnl2/eFw3y/jjpn+Vfix/wAJz42BIXxjqoz/ANRCT8vvUp8d+OiMHxnqxGcjOoy//FUe0kHLE/as/G74YPbk/wDCaWh3gKys+Pl4zzjOKjb40fC5Z9l142tpY2IQfOcE59AOBn+Vfiq3jfxsVw3jDVCO4Ooyf/FfSgeOvHI2qPGOqkAdBqMv1/vUe0kHLE/ai4+M3wqaBku/F2n5BAQK7EjqOuOvXn6VNefGz4TrJGg8X2LqicgOdxA6DI/AE+lfiefHXjYt8/jHVT3/AOQjL/8AFUp8eeOuh8aatgnJ/wCJjL/8VR7SQckT9pbj44/DxbqH7L42sY0jyEzk4BGSMY4wScHvzS/8Lo+FZkMk/imykDHCxtL8rj1ORwTgdq/Fc+OfHJB/4rLVsdwdQl/+Kph8b+NOD/wmGqZHQ/b5Ov8A31R7SQckT9ol+NHwltLh5IPF9sjcZRnYqc8c4J649uvIFSp8a/hfLFHeweNLNGEyiQSEglu2MdByevrX4sHxz443Z/4TLVeR1OoS9P8Avqg+N/GuMf8ACYaqRj/oIS//ABVHtJByxP2ft/jL8JZTHNc+M7UZYxsisV+U/X3Hb9aW5+NXwjuHeY+N7TKYCxuxwB1IAHOOP161+Lg8ceNjjPjDVCQMA/2hJ/8AFUn/AAm3jQHI8X6oCRyft8n/AMVR7SQciZ+1c3x4+E8KR7fGNjL8i4jZyCh474OfoaqXfxv+ExjW1t/GFqkq/cImbbjr0xj04Nfi+3jbxqSM+MNUIxxm/l/+Kpp8ceNy4J8Yarkd/wC0JM/+hUe0kHLE/aK/+NXwwYeXJ41tJN3zsVkK5GTx79Af0o/4Xn8LpSUTxfZpkMT87Dk8ZBINfi4PHHjQEgeL9U6/9BCT/wCKpP8AhNvGmCB4w1TGOn2+Tp/31QpyDlR+0kXxw+Ftmvnp42s1yx2pGTuYj1/PrSQfGv4W2c0c9349spFdMuFlJOOpzxkkk+v8q/FseN/GqD5fF+qD2XUJP/iqRvGvjTdu/wCEv1Qccf8AEwk/+KoVSQcsT9pF+OvwpeEW0fjCyjiI5VXIC45A6evOOnanr8a/hQrmM+O9PYFiQQ5Vcn6D6/8A1q/FZvGvjRuf+Eu1TrwDfyf40N438bYJ/wCEx1Qkd/7Qk/8AiqPaSDliftHN8ZvhfKGuI/Hmm7yQrqs2MjoCM9vUVND8b/g/JmW4+IGnly4JTJK56EdOnTn2+lfin/wmvjX+Hxfqn4ahJ/8AFUHxx43HH/CY6rnH/QRk/wDiqftJByo/ahvjn8L5mAn8f6emXxGokbZjHIAA47dc/wA6SP45fB0rGF+IVshEvzKc4wRnv2+nrX4rN438aty3jDVDjGR/aEp/9mpp8Z+NCOfF2p8HIzqEnH/j1HtJByxP2qj+Pnwnkmmm/wCE5tFWP7rq5DHPt14xT5Pjj8IZJ1b/AIWBYI0ZJyH+8c9OmDn8vqK/FFvG3jZlCnxhqgxjb/xMZf8A4qo38Z+NMYPi7VD9b+Tj9aXtJByo/a1Pj18JpV+fxpZedEdu6WUlRkdQcevao7T45fCJb5JJPHFgdq5LCQ4yMD5s8/hX4rN428anj/hMNUO4c/8AEwk5/wDHqaPGvjQfc8W6mD0ONQk/+Ko9pIOWJ+13/C/PhAk7yr4u08M20qyS5HBzgjH4VBb/ALQXwuWV438eac0YUtsUnknPAOOcD9eK/Fb/AITPxkOR4s1Pjp/p8n/xVJ/wmnjPAz4u1PIPBF/Jwf8Avqn7SQcsT9qZPjp8GpIGgufGNnMARg+fg8nJGTj69e1Mh+PXwfsbZbb/AITW08ogfKHO9eTyO3THHtX4s/8ACa+NdpP/AAmGp89v7Qk5/wDHqSTxl40b7/i7VD9b+T/Gj2kg5Yn7TX/x1+FPzLF4/wBPMbKh2LK3GPqPpxRB8cPgrZbw3jy1kbGUYy/dyOcZHXNfisfGnjU43eLtTOO/2+T/ABpp8ZeMW+94t1M5znN9J/8AFUvaSDliftJa/Hb4OR3iXTeOrI7huLeaxKnJJ68dh+dTH4+fByaYqfGOnuANzTByhZsc44+Xn/Jr8VB4v8XjkeKtS4Oc/bpOD+dIPGXjFRgeK9T56/6dJz+tHtJByxP2lg+PHwokvnmsfiBZxRsSHZpMnkjkcdePTtUR+O/wjkkkH/CbWQibIOyZjwD0A69TnHNfjA3jPxhjP/CW6nn3v5P8aYfGnjMY/wCKs1PI6Yv5P/iqPaSDliftO3x2+EbRs0PjuxCqCyruwP7o47nB/wA80SfHn4Tbv7Mg8f6evzjEvmZUAds9+e3TFfiw3jPxkw2HxZqePe/k6fnTW8YeMNu0+KdSI9Pt0mP50e0kLliftMnx3+D0Fm8Fz4+0yV/MAjZSTtIHJBA45NLH8fPhAzK7ePLAMAQC7ZU856Y/DPtX4rDxf4uBynirUQe2L6T/ABoPjLxjjnxXqXP/AE/Sf/FU/aSDlR+1rfH74O7C4+ImnfKcFd5GB/nmq6/Hr4TRM6P8QtNMbxkEGY8Z7jIGWr8V/wDhMPF4yB4q1EZ54vpP8aR/GHjB8E+K9RyOmb2Q/wBaFUkh8sT9rpPj58GLa2e4h+IelyXDIo5diemMrxwf85qJvj78GZQZJ/iVZmMgFk80swJ7jjPavxVPjDxe2M+KtT4/6fpP8aQeMPF6MXTxRqIP94X0n+NHtJByxP2rl/aB+CitLdR/EWzYBVGx8sCcdhgGkT9ob4NtFFF/wn9kC6AsrSHGffPHGOnvX4pr4x8YDP8AxVepDIwcX8nP15po8WeLwc/8JRqIA/6fX/xpe0kLlR+1sn7Q3weiBlj+Itlnz8lY5tv4nj3ok/aD+CUwynjrThEzFmDOwZic8kf1r8UW8Y+LSCp8UaljHIN9J/jTD4t8WdV8T6jnoT9tk/8AiqftJByo/bG0+PvwPt7R4l8f6cd5wivKcDHQj0/zzUc37QvwaFs5g8d6crcB3aYk+uRjOfTH+Ffig3i3xWxO7xPqJHveSf40f8Jd4uDbh4p1Hpxi9k/xo9pIOWJ+1DftD/CWaOJLr4gaewBJZ1YqVx2xjj/OKS8+PPwKleMnxfYoy8s0Vx155447d8dq/FVvF3i1gQfFGoc/ezeyc/rQfF3i3HPinUemP+P2T/Gj2kg5Yn7WxftEfBW8dI5viDp4eND5Uhd8ZxjJzzVY/H74LSv5F78RbDYIsB1cjp2z7n2461+LJ8YeLgTjxTqOe/8ApsnP600+LvFhwP8AhKNR9Rm9k4P50e0kHLE/az/hoT4FfZFhX4gWQEjfvd8mC2eue/8AkGo7T9of4Lxwyxn4iabHv5PUhuuQM8g+9fis/izxYcbvEuoHHTN6/wDjTW8V+KeM+I9QIHTN6/8AjR7SVhqMT9r3/aK+BqW7SzeNdNUk7SEujyB04A5qtD+0P8IktHE/xG04hWyqNOQTnpg4ODyfyr8WD4r8Ugf8jJqHHA/01/8AGk/4SvxWMAeJtQAx0+2v/jS9pIOWJ+0kH7RvwcPMnj+w++VjDzMcA9SfwzUy/tCfBh5lkk+JGmA8nPmn5cAdOBX4qP4r8VOAreJdQb63rn+tNHi3xYcE+J9RyBgf6bJwPzp+0kHKj9p7r9oL4PXW6aP4nafGqbSQ0oBbAPQEHHYVYH7RPwTuCvlfEPSA3lFXkkuwueenzdv84r8T/wDhKfFJznxJfkk5/wCPx/8AGlj8aeMYCPI8WakpA6rfyD/2aj2sg5In7aW3xq+DN2/lWPxP8PNLv4QatCW/DnJ710Vvq+j6zDDNpes2VzHKQI5Ipg4zjuQcV+Gdp8UPiPZn9z441QD0e9dh+TEitfSv2ifixo9zHdReIkleI5RprSMsP+BBQw/Oj2srhyRZ+3Xl3DskGoXMaqkxwdxJbOQQcfp+tOcizlW0tYUMaoN00ZIJHoeMn6V+RfhH/gox8f8Aw4w+0eJdRlxjbs1WRlTHok/mp+GK9y+HH/BYPxEhhtfGdvaXiIm0rfWzW8jnjrNBuQD/ALZD8Kfte6D2fZn6Bw/Y8Bri4dvNUlHhj3Z45BPY+9MleSBYI0Z3LOE8x045J6kY5H9K8G+E/wDwUU+C3jq0WPVml0Z3IVriPF5bZx082IswHHJdUr2zw14y8G+MdLi1Hwf4jtdRtJGz9osbyOZDgcn5SR1yMdfpWkakZdSHCSLzXLuj4csSNrdCQO4znj61G80UdwkFw7TRFQBtO5QfoP8APFF2yD9/a3JjjC7nC4wx7e/r6fSlE00DBbdS/mLulcuVU9gAMfjVEos6Xrmu+F9SXWtH1ObT7mAD7PcWdw0UiDpgMDnJB6dMV7d4M/av0HWfK0j4zaZIsz/KniLS4gJD05miGBIvJJZOeAAO9eBXSiYtNft5jKRxEu87+wA71FLJqN9FG0tt9nWInbIr/fxyMAZqXFN36jTaVuh9iXlncwaZDr2j6lbalpVwf9F1OwbdG/bbwflIOQVOOQQOlFtqz+eyFcqB0JGc+9fM3gD4zfED4TX39s+EdUbyZl2XdhcgG3ulzyHjbrnGMjDYJAPOK988B+N/Anxwsjd+B5f7K1gR5ufDt3PuMuOS1ux/1g6nacMMZ4BGVzW+L7+n/A/L8gcb6x/4P/B/r1O88K+Mrnw5qP2mxmZ4n/4+LUngjuw969Z0LXdO8Q6emo6bOHRx2PI9jXzrbanNp8xtpoisikhk28rzjnPT6e1dZ4J8az+G74XVqDJBI3+kRKOvuB61NSm91uOElaz2PbKKq6TqtlrdjHqFhMrxyLkFatViaBRRRQAUUUUAFFFFABRRRQAUUUUAFFFGaACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKCQBk0AR3FxDaQtPM4VEGWJPSvN/GXi99SnNyJTHDE3+jqw4bj72O/t+fpWh8RfF6XDSaVaTL5MJ/0g/3zx8n+P8A9evMdc1m41G8WytN8ks0m1I0GSx6AD/IwOc1cI3dxSdlYNW1qS+dUjBkd5AsaxjJYnsAvX6VTvYoNJuAs6wz35O5ZGcNFZtjjA5DvnHP3VPTJGabql/Bokc1jpDLPeyxlLy9iOVQHrHHxwPVu/0rC23cMXlW8Y+Qg7FGD0rVGf8AX9f1/wAB88txPcyi/kkZ3bczyyAuxODyx+maGs1glNqWdRMM5UA5A/HH86h1CFWVUnTzpGBLhWyQO1JDNhI4yW+VmCxKuNq88GjoMcYIyuXmljOOCifKx9wOn/1qRIy4fdIoG3JCHhuOoqvq3ibw54Y0mbU9c1KKys7VS9xLcTKiKgGclmGBj1NfKH7R/wDwUl03w5azWXwxvF0+xwyw65eQb57g8A/Zbc/eH/TR8IOuGBzUTqKP9f1/WxUYOSPo74gfGD4bfCvTvtPj3xfFDNICLfTwDJcT4PSOJcs/boDjv618p/tDf8FOrTQpZtJ8JSf2PgkAKq3OpP8A8A3GKD1+csSD90V8XfE39prx34+1O6uLLUrq2+1ki5vp7kyXtyMk/PMeVXnhEwozgV5sw3SeY4LHOfmNZNzlv/X9f0kaWhHb+v6/pnq3xK/a/wDiZ461htXsbmS2lJb/AE+9n+1XWD1AdxtjH+zGqgdq8w1fWNZ8RXjalr+rXV7cN1nu7hpHP4sSarqFGdq9R1pQvBPX2akkkJybIxEDxyce1G0BumcdxUhCjCnv0Bo2D2BHQZxTER7QT/IYpWTsP0p2MfN09jQeSQx5J4IoAY46DH1pNoIOBg/ypxUDAUj6UpXaPl654PrQBH5Z5+U9s8Um1c4x+dPI4C4GKGAx8y49MUANHAIIyO1JsCnGADmnADdnGfwpGyrex60AN2rj8e5oYfN0HHanY3NuDEemelKVGOvTpigBoAU8DkUBSWyB29KdgEY746kUBcgE4/GgBFTJ4GfQU8RkdKRclslTkdRTgQD8wJye1ABtIySfwo27hjPTtTl5XBxx1pwXpgZ96AGsuT6jNIVBPzYP1NP2Hj5QeOQKUDPOCfXFADcZ+b+tHA4LH64p205HHWgIAOV7ZoAaFHb8c0EAEAH607af72MdwaDknGPrQA0oBjoTjHIpCjAYHpTwvzYyTijoMqMZHQ0AN2oR83H1oKYH1NPYA84FAHzZxn6UAM2DkHjnrmk28/j6VIFGOmcUg4Y9PxoAaVPdMj0xQExgDk+lOPA3Yz2xQGGck8g+tADSuBhV7+vSlAyASMHGAe1Lz97Pbg4oCkcBceooATG05JocHIAyMc0pUdSenenAKckYoAYRhMkdu3el2gAA9+maUYHU9sUgUnjPA/WgBAMnnjFAVejLnNOII/h5zwDQVwOFA/DrQA1gQPvHnpSMuOo696eV44IoIJ5HGR0oAixwH659qCCDnAGegJp+zHGeKaQM9zQA0hlbFNAyce/51IQAc45poHcYwaAGGPJGRkemKaQTwTipCv8AdyKTAxkenegBm3JwSMjoSOtNbA49Bk4p55bI7elG0Bst25oAi255wOeuTQVbOVNSN129PQYpu0f1yaAGFcZOPrQV9euKc2R1HPfikYDqT06UARiPAJ5znrS7V6EfhTjz0PbvSEjk4z9aAGFQ3Q9+nek244yD/hT8EN16DpikwMj+tADcDPPNDIAMH8DSkc4yMd6Qg8jFADcED8cYoKjOMg5pSB0A7daMen4HNAEYCgjg9P8AIox2JPSngAnDNwaQj34oAYVB56fWkkUk546cVJ7DHvTeg+YD3oAZswQBxxxijAAIB/Wn4ODnB5ppAPb3yaAGyYySuQM8c03vn6U8gHjJ+tBB6jH5UARkYPbp2oAwCQOvSn4HXt3NIR83TP07UARleg547UEcHcOT6U5sYPBpNuRz0oAaRwQeh6mmsrZyDnHUVIRg9efWm44yATnrg0ANMSk4YHPpTGAJJwT/AI1IQwG7rikxkYLHpxQBHsyD0HuaCuByT0p5A3Da2aRsHquR9aaAjKpg/KPoKaVHc/WpO+Sc88HHNI3Xg/WkBGVBHTHpxTWXgJtIGO5qQq20nJ69QO9IQQCQQT3oAj2j7rf/AKqQKANtSYJ6scetJsHBA+oPagCM4LcDjvke9DDLH36ZFOOcBucGjkDOcemTQBGVx83HSkKk+me2KeeBg4P0puOg3e9ADNo47jtSEDtgGnlOSeeCaRl9Bj8KAGEDnORRtB49BTiP7zDkcUmMfLz9M0AMIJ5I47e1IV59PUZp5BwT1/GjPI7HHNAEZ+U+wpAo3cceuaeQByB1601uPTjnk0AIQuc7eO/FNYAdeuKfk+o4puOeTj2oAYUHX24o2ZODwAKcw+bOSPpQ46qOnpQBGcjkDPOAKXHHzAH1p2B6Gkxz/jQAzaD2/wDrUjLzjHfsaefmzxzTSM49/QUAM2lsE9fej5sE8daeRuJz68Uh44xnH6UARMPfGegBpCoXPJ61JtJIxg/SmnOenHvQBG4I+UYweoNIYxjpznrmpSoJOeKZyQQc/UUARFSR0PXmkZSpwpOO+alIOcY5zxmmFcAgZ+ooAYBnkkflSFQcnP0zUgztA49xjpTTy2COPegCPaF5PY8UFQTzUhAPXt6U0kHnOKAIymfc00Lg5J47VL94/Lj0prcHO7v1oAY33ueuKbsU8sPpxT+gyRmkJwO2O+O1ADGXjPtSFecjn1p5yOo47U0njGMZoAYRwcEY7jrQVXI57daU56hc8daMAk47+lADAuFPPXmkIP59c04/e9j1pPlC9fwJoAZtwcjn1FIRnGacSPQ/lQQPUn2oAjK5OKTb17j0NPyc/j0FJyRg+tADOnPv2pCFK5H5Yp/Yjoc8ZprdBxQAxl46e+KaycjbwM8Zp55PzfhTTnHXHNACEAjHQ5prcU4/TpTSAO+KAGFcA55980EcdPwpwPZecd6QnB6dPagBjDPYik4HUU4/UflTW4HI6dMUANK5PTFIQPTmnEY5/rSED16dKAGEDqeppMD1yRTsbjlh+VIfl96AGnGCTTSo7ce9POSfrSEHtn8qAGEDr29KaQCP8aeVz1P0ox8v0oAiYcZB596Qr2x+lPOMZPrTevQYPagBhVgevHrSEDFPPP4U0Z54oAk0/U9S0m5W90u/ntpl6SwSlGH4ivQ/hx+1V8T/AId6surWmrTGcYBu7O4a2uGA6BnTiQezqwNebFc5Pr1xUZGPr9KfKmNNo/QT4Bf8FS7m/lh0b4hW41iIgKxRUtr5PVtnEU5/3Sh9jX2B8LvjJ8Kfi3oaTeAvFMUwjGZraSYpdW5OOJIzh1/Ec44Nfh2CRzkgjoRXcfDv4/eNfAup2t7/AGlcym0I+z3MNwY7mAZ6JIOSP9lsg9OlClOOz/r+v+GC0Jb/ANf1/TP26hlhkkZeGYDAy/DH+nI/pSSi7D/bnm8sE9dmQCPUMeh6Z/rXxj+zJ/wUx0vxLDbaN8XmjuLcbIzr9rCEmtx0zcwjOPeRPl/2QMmvsPSPEHhzxbpUOteHdctru0nj3xT2kwkVkxkMCAcjtnmtoVIz0InTcdehYUtJcsbyQupbzPJf+97E9+9O024v7SePUrO/mtbiGffBKkoVonUghgc/KQQOe2M1Cb+ZrZCqrcbSdzTKoGeR1459vbpRHK80RNy0MUedi78hmJAztz1rTchaH0N8MfjrpPxZlj8K/FS7g03XYysemeIzEY4b4jgRT4AAc9nAwenUAHq7k6t4T1VtI1m3aKWPnGeCD3HGCD2PQ9q+UC1ukMezVUCJGQ2+bkk99vrz1PIFey/BL486RqmnQfCr4o6sUt4lEeieIZpd72jHpHKw+9CcdT9zv8v3c/4a/u/l/wADy6dOw7c/r+f/AAfz/E99+HnxFfw9fAXUmbOcgSAHIjP97/H8/WvYra5hu4FuIHDI4ypB6ivmi4tdR8Lao+j6vFiRMfNgbXU9GB/iB7GvS/g98QVikXwvqNwDGR/okvYf7H4f56VnUjb3l/XmVCV/df8AXkeoUUDHbvRUFBRRRQAUf5zRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAdKKKKACiig0AFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQACiiigArA8deJBoenGG3k/fzDCHrtHcmti/vYNOs5Ly4cKka5JNeL/ELxdJeXEl1M/Mudq4I2oOg/x/LtQlzOwbK5leJNZa6mGn2pLu7YVV+9KxOMDHcms7UxZ+GLeTS7C6DalMmy+vYRkQA9YEYDH+8w6kYHAokuh4Ttlvp3H9rXqhoQzEG0gb+L2kYdO6rz1OK5+YmNdsLuhX5XVWyr+h+tb+X9f1/Xrl5/1/X9ekkQa2U+RESzgL04PHf3qBxPGouGYbs4Ic8r2/z7UkReLayuYlZvvvLgn24HSppYo2khdDukBwCV3KP16e5FUBGZXe4UzeWAM5ZVx16jjr/wDWrj/jL8c/hz8EfDg1DxPeSPdzgpp+mWrbrm8f+6i9/djhR1JFYv7Sf7Sfhz4H6Otilkl9r90jNY6Sj7SMcGSRsYSIdS35ZPFfmP8AH79pfxR498Q3s9t4lnvr26BS/wBZ3Mvyf88LYZ/dwj82655JPPOo3pH+v67/AJu5vCFleX9f1/Vjvf2rv24fFPj3WbixubqOcxy4ttChl32OnkHIaQjH2mYHufkUjgZzn5i17Xtc8S6k+r69qEl1czH55pnyT6D2HoBwO1QuDwRz9TTEUO2wEDPrUxikEpNjVUY4GPqaTaOAcjtnHWnyQPGcsmPc0g3cFhn6UyRoLKOmRmgkBeSRz60pOORg+hHeg89zx1AoATBXJyfoKTcD3OO/NGOeT26e1Gfmxzj2oAQ5OQD0o425OQAe/alPJzjHr6UmGAAwcCgBMZzjn8cUgGRwCfbPenNheQ2O3JppORkH6ZoAT5tuO+MmhiuM4x64pVwp+Q9+aBgklfyoARTwGYZ59KD1wD1o46dSB0NCrj0688UAIVxymcZ9KTI5IGMevenHIALDI6cUbQBx68nHWgBMnr6+9KoJB5zzzmkA2kEj9aUZIx6egoABvBBI6U5Rls/zNHyY3flxShjncp574oAcOu70yMUc8n+VIvoxHPrTgMdelACdew6dSaUZ5x60pAxnOSKCDjOMZHagBFB6D6UYOQMfhmlPUHk8cil5APf60AICBwCPfijAGfQ+o4oAHYkGnA56nPHOaAEKnGVPGKQkfXjtSkc57kUnJXkd/SgA2gDA6YpQDj5T17YoH+0OccYpD83JHB68dKAAAd1/AGl+VgATznoaUfJ/Dx3owG6CgBrAdcduaMZH9aXZnPpSsAOPX3oAQBcZJ4HtQwOMEZHfigAnqcehoCk98845oAOD0HFBzjgEnNKwOecHvxRtOMEc9AcUAIcc8A4HX0pwAGcenNIBzg8Yo5IznP0oAQZIwOeeoNGQec9vSrWm6NqerS+VY2pcDAZgOB9T0rpdM+Gka5bV73PokHH6kf0p2A5AKWOACc+lXbTw3rl/81tpspHXcy4B/E16Dp2haRpQVbKwjVlHEm3LY+tWmCk5/MUaAcJb/DrX5kzI0MRPZ3yf0Bq1F8L5ioEuqqD3CxZ/rXY7cjlgPQYo2gkN6DmkByI+GEOMPrDdc4EP/wBlSf8ACroCMf2s3fGIP/r11+0nnp70hUAcgk+5607gciPhhBz5msMe4xDjv/vUjfC6Irkay3B/54f/AGVdeVDdBznrSe2CcH0ouByP/Crrbnbqzkdz5H/16R/hfEemsEHHH7j/AOvXXFNufz5o29sZ44ouByH/AAq6DGTq7A44/cjr+dNb4WQ8Eaw49f3Gf/Zq6/aO+fegoowSM59KLsDkP+FWW+cLrDZH/TH/AOypr/C2En/kMN14BgH+NdeycZA/+tSMpHzHJ454ouByLfC63HA1dsj/AKY5/rTB8LIApDawxx0/cAf1rsNqkYwOO9JgZ+TuO4ouByH/AAq+AjYNXf05gGM/nR/wq63UkvrD45wBD/8AXrrioB5HOeuKTZ0UtyemaLgcc3wujOWXWm59bf8A+yqOf4YSCJmt9XVnH3Q8WB+Jya7MxksQOPrSGMj+Gi4HAz/DXXIl3QzW8hyflVyP5gVn3XhLxDZjMulykZOTGN38s16YYztwR35pNgxjH6UgPJHTyzhlIPfIqPt14zivVdQ0jTdSGLyxjkbGAzKN2PTPUVz+qfDWzm+bTLpom/uSfMPz6igDigOOoHakOOQR+FaGreHNY0XBvbMqp+66nKn8R0qgeDx6/hQA0/iD+tIACOvBpSPpjNHbj04oAQgZOB+JFN2EEL0xTirD5h+tIQSenbqKAEyMYHFNAOOhzTs4wxOOOtITkZz0NADSc5AoAG7oPYinEgdeo9aaMA5PHpQA38TgUhAxjGCadzyuec800jnIHQ+tACZzwP8A9dIRntwD0pTsY5A6DFIdwJJ4B4oATH8IUYx0FNJ6hu1OwAc5AoYA9Vz2oAYGJHH4CkI7dgeuaXk9u3amjP8AED+VPoAE88A+nFIybRgYNL1ICg8cUhUDJLUgG8F+g6dqRiGXgZB9aXHfJBznApMde59MUANPIIHHpzSc4wwpTyQQcccimnp1zz0FAAVGep/Cm8YzjGfSlyDgn8h1pCwxt6ZPX1oAQjGDQQScjt2pcgjoPrSFgc89BxQAzqep6cCggDAB59utLjuD9aGyAAODQA05YgZ/Sm9eM/Q04tk85+mOlIcA4BoATp+XFITnJ646UpPB4ppBx9e3vQAbQOaRsdh+FKQV+YDFJ34PIoAbt7A9aQ5xjHGetOYEEbhSduFGO9ACE9/SkzwDn8RRweRkDrjNIQMdeemMUAITxk038Tnqac3J25+gpCe2B7CgBCATnjp1pOD1HOODS5GeD1HOKTcM9P0oADkrnPbgEUzAIyec04njk9/WmnhsDsaAG8EnYBgDtTSoI3Dp9O1PDAD5QM0n3hhSffNUmAztn1HPtSMB0J/Cnn1xn6VG3zc46++akBAWHTOfelGA2T19aGbcOR06ZFIW5GSOOgzQAhyARznvimHA4A6etPYt259RmmA8HA6nrigBpOMc4+gpM8dO+elHPtQVGOo9waAGkHOQfrRgnqOKU8dvrxTQQQRmgBHOfX60088e3alHHUg+lIwHqKAExjgt+FJnjGPpmlyM9j6ZNIflOM5460AIecfXpTTljjr+NKdvYYPek/GgBGHOOM0hI9PxBpx/CmH0GOnODQAmX6nH09aazEDsOaUnbwfyoO3POefegBBx17+3Wmkf/rzSkr196QtzwMCgBm3HU8Z4oyo4A/Kgg56daCMDp+VACOVx9aYf7v509hzjrTSc45/KgBvTo2KD6nqKQnGcHpRkZ4PXvQA04yGK/TmkJI5P4cUpyvy9OOtIeetADScjH55puMjFObB9aTb9enGKAEPTIP4005J47e1OHOR3ApO3K9aAG8Ajr+NJ0HJ+ppxzu+7+VNJPUdaAE7Y5/DtTSMU7jqcdaaw7n8aAGn0H500ken1705uBn9KTqc+lADSMn8etJjPGac3sBgimsOwHT0oATGR60z1wPpin89MfhTScn3+lADGAPGMGmMpyTj86kOf8mmHB46464q9gJNN1PUdFvY9S0u7eCaM5SSNsEf4j2r6N/ZN/bc8YfCfxDFb296qxTSf6XpMz7LW9J6spOfIl9x8rHqOmPm1h3zx2pjfSplBMqMnFn7dfB/8AaG8B/HLwmdb8GX2y5R1iv9MuiBPbMeokH4cMMg9RnrXdWk87KULh93ytMQDt56Bscetfi9+z/wDtIeLfhV4ssdXtdce1urRgtpqDEldueYph/HEe/cdQe4/UT9mr9qHwr+0PoK20dzFYa5bor6rozTD95/00Rv8AlpGeMHt0IBqqdVp8svvFKmmrx+49WVdNktzAu+QPNu3xwHLnjvtBOKZp9naNYNJ5EczxrwzSEEc55xz0Pf1pnlpOpmtpJIvmObff8p56jJx+X4VI0jabcbbVhGNm0SO4JUHPGM/1roOc9w+Anxetddsrf4OfEq5EYDeX4a1aZstbMfuwP1JiJIC/3Tx04He239p+GNTfSb6NoJreTGcfdccgivlKKCcSPLdkHeNu9QWYnr8uenGeRxX0N8H/AIgT/Fbw+ngPxHdeZ4k0u33aRfS8PqNuoOYnP8UqgZB6sOoJBNZ6Q0+y/wAP+A/w37lv31fr+f8Awfz9bX+n/hf42TxboarO4F1B8ky+pHcex611NfN/w78az+FtaivXkdFTi5jfjK9/y6/nX0Tp1/b6nZR31rIHjlQMrD0NYyi4S5WaJ8yuT0UUUgCiiigAooooAKKKKACiiigAooo4oAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAoo/GigAooooAKKKKACiiigAooooAKKKKACiiigAooqnrmqQ6Ppc2oTMAI0JFJuwLU474s+KViQaPDLhUAacg/kP8+leUwXlvJPN4u1VVe3s5fLtoHGRc3HVV91H3m9sDvWp4iutR8Ua8ui2rbZ7yQvNJK3yxgDLMfZVH5D1rA8Rai93fRWOl3G7TrNPKsAxA3Dq0hxj5mOSfTOO1bQTiv6/ryX/AACJPmfl/X9P/gmfqOpS60ZrzULl5LmaYtJIQAzH1we3bH5VEkKqS7uGVCN7KAN31PrUct4HSaV5Cm1AGLID25PHbrzSMEltma0lbjBZURu/Q+/NWtBbkxQySvcyXCqiMTGTjj0znrnkf5zXmP7RPx/0r4HaAsyL9q8Qagrpo2nK+N7DkySf3I1ByW9wOSQK6H4vfFTwv8IPh3deMvEEsgEW1LexiOHupjwsaqfU4HoOvAzX5jftRfH3xR438Tai19qnmapfrs1F4nJSzh6raRn0APzHuSfUgYVJu/Kv6/rr29WjanDTmf8AX9fj6JnM/tB/HbX/AB/reoRDX5L2e+lJ1jVd/FycnEUY/hgXoB36+58kfauTgEjrzVyYnO4Lke4qo64PQdeealJIJSbIWzj0zTMZwT1FSSDLcDnHUVHIuMZpkgXcgb2JHbJ6UwEHuDmlIwSScc9aDnsOMdCKAGnDjB7jqRRtxwpA9PalO49+T2oK+/05zQADHTbntQ2RxjgdaQbVJI69qOcgE8+goAQE5AIOO9GcN06+pp2CW5B/OprbStRvWC2unyyH/YjJpoCvgE4HpTcIVxgcHGa1IvCPiaZiV0iYYxncuOv160P4L8Tqu7+yJMexBpWAy2BHtx6UjKFww5P1q7c+HtctR+/0q5UZ5JiOKpsjJkMu3tg0wEOAvPT27UdCcnOenFDAg7cYHY0pABPH40gGgdSR2pPmPOAR704lRwB7DNKgJxnjrmgBo25wOce9Gf4Se/05p3UHBIz0IoJ3YBwPXigAAbhen405cgkN6d+1IPQZIzzgUozkgt9KAFATAGeacOeBjnuaQY7ntzinDA5FACAncf8AGhD8/XOByaNgBIORSkDBOKADgEj+tICO/wBOfSn7QeO3uaRefQfU0AJgYIOMd+KAPlJIHTpRxu9PoaOpOCSPpQAbTnoR60ox0Y/QUA5GSOaAMjB6j06UAAAyMDPHak9lGAD604bfzpAuWIIGOwoAQcdeh6UoJC46A9Rik5JyOOwx3pxPTnHvQAikcUYYHAbPcd6UgfhSIBnOSPSgBMDrj60uMcYoyAP580uMjjHP6UAIBkYzS5yvPWg+hIPrzV7Q9BvdduPKt48KpHmSkcKKAKtpY3N7cLb2kJkkfoqiuq8O+AIlTz9dUM/8MCt8o+uOv4Vt6NoVhosAgtEG4j55WHzN/n0q+V529eexpgRwW8NtCsFvGqIo+VVXAFSY4PXFLsHTj2NOCMSMDp17UgGgAjjOD1NLg4/HrTwpz0wQeSB0oMZY8/WgCPad2c/WjaegGB61IsfQ856YBoEbYK44HtQBHjnG3jFJtIHI/SpSp4xjmjygo6Zz37UARFRu5HHtQRkgA4zXdfCr9nn4q/GS7EfgvwzK9tv2yajcjy4EPf5z1I/urk+1fQngr9hn4ReBI01D4v8AiyXWblOZNPsX8qFT3BIO4492T6VXLbfQV77HyJbWN3euttZ2sksjnCrGuST7YruvDP7Lfx/8YLv0j4YamiEZWW9iFspHqDKVBr62tviJ8HvhTCLD4d+CNMsE27XmghUu4HTLDG4+5LVlax+1Jq90SNOeRVAx+6+TI9BsAP60e76iuzxfR/8AgnT+0BqcKvenR7DIGY7m9ZiP+/aMPfrWrb/8E1vihtJvPH3h6Ir1CySn+aCun1b44+LtSbz5JiWYjkHJI78tn2rOf4r+L5zhb913cABuf0ov5D1MWb/gmv8AFmRc6Z448Oz89DLMOPwjNYHiL/gn5+0VoalrXSNO1EL1+yagqn/yKErt4/i14whXJ1FyFboxH8+fatTSPj/4z0oFre7cZbBdWKnP1XHrR8hHzn4q+Avxk8EiRvE3w21eCONMvcCzaSED/fQFf1rkHQrwy4K9jxX3NoH7VepQ/utWiScAgbpF3Z69+v8A49V/WI/2Z/jZEW8eeCLBbqQgG9tkEMucd3Uqxx6bj9KNB3PgkqTgr6U0gYGcn0r6r+If/BOyx1K3l1f4G+O0u8DcNL1UgNjnpIoB9AAyAerV85eOvhv44+GmrnRPHXhm6064GcLPHhZB6ow+Vx7qSKVhowNuW2nr3FNZSBnqPSpsEDtj0zTWHfOfSkBGVIYmmhAcjGealI5PpnNIQTnDduMUAROh68kUwqCT09c1KVyenPpSMvfqe/FAEMiI4KOuQeuehrm/EHw9s75jdaYy27kfcx8jH+ldRtBHr6YFN2AsSxz7UAeTalpl9pdw1rewmN1PfofcVXIySOPoa9X1XSLHVrc2l/Crr29QfUEVwHiXwjfaC7ToDLb7vllHb2b0oAxip67SMdfekHGQD16il5xkH6UZHJI5oGNJJIyOM96T0DDn6U7HPqPamjGc7eo7UCEZeenX1oIOcj9aUEEYxSHjBIoAaS27oR9aMYBYdfal5X5s+x700g9zQAhHY84FNbBGc/XIp5J7N064puGI56duaAE7c008jGcYp2cHP9KQ5Odpzz3oAaP59fahsldueB7YoOC2e+O5oIyfmxz1oAaRkcEcUnY4PHrSsAxJxgZyKbjBJBye5xQAhABGT245pDhR+FK2IwCcZxkUHsc5+lADMEY4GO1N245xinnB4IwPTHSm4Odo5APrQAhADHt7mkwBx1GetDEFcdeOgFJ35BI6kUAI3Pzc/QUh4YHH40p27iDxx1pPlJyw69sUAIQAQAOMc8c0h4zzwOoFOJx17d6ZkehHqaAEPoOKDkHdSkdG6ijqSc/rQAzHOR+QHSkIyeAevJpSTj/E0pJzxjn3oAaMDIzTfT0HpS7gvGMnNIdoP8qAGkY6D6UYXqTg45pSeMjqTyM0hwecZ5oAYcgHBPSk9MHJx3pwAUYz24xRk7eOfagBpGAWzQ3PbNKRnOAcU05wBnP1oAQ8cdc+lITn7vQdKCOw4BoOdoBAJPQUAJnPGeO9NwOf1pxyM46YpGyo2469DTTsA1skcDvwMUmdwIYdqXOcqQcYphIOR2PqKrYAYHdkntxScAHJ/SlLAjt09aBHK5ASMtnsBmoAiY7ugxQDxyKvL4c12UAjSLg5HB8k4xUn/CIeI8jGlS9M07AZZxnG4jjjBppAIJXrmtOXwp4jibH9jzHH91Sc1RubG+tiVuLSRP8AfjIoswISc5pDjoc8c80HoOOR6UFtvHJ9qQDScvnt9KQ56kfWnNz27U3J6cnHc0ANYgfWkyOT1pTxjI/KkI5wOQfegBp4Hp6ZowCck9O+KDgc459qTI6hRQAevf6U1iD0HP1ozzyT160meSTj8qAGkEmkPHbr3pWHPTPHTFIQOp/nQAhBz0FJkrn+VKSBz/WkLdx17j0oAaf07UA98ZoIOeenpSE4HHX0oAGI7j601jxkelKd2OR25NNLD254NACHPPU0mQvahj1zx60jHPTpQAhweDTSc44px54phOOQeB3NAAzDpke+DSHOOTQQTznj6UnTgfrQAYz2/E0x+B+PelyMdPrQzA5xjNADcHPFB9P6UhIPBHT1pGznb29aAA4B6/nTSDjFKSo4wMelGABjFADfX2ppwcgmlI9f50jHd+dADSO4OB9KTdj059KVjjkNSNnjp+dADc4Ix/OgkA9/woIB4z24NDHj+dACYz6e9MOcZBx9aVsjGc4HekOOg6Y9aqICAYHp6U3PPsacR19DTTzyeOelUAjDaOlRsMjpzUhUdSTzUM91a2w3XFzHH7swFAARjtxj1r0X4EfHfxT8LfE1hfaXrsllcWUwOn6gD/qCesb/AN6JuhB6fy8suvE2iQAj7YGPYIC1Z9z42sU/497SRjnq2B/jWUkmrDUnF3R+3X7J37SXhb9oPw4Li4WOz1zTYguq6VHIBtcjiVD/ABI3UH2I7GvTkkuLqK4nnnSFVXZF5ijBPPqPXjr3r8Sf2aP2wPHfwp8bWGpaDOkNzaMFgEjsVuYiQWtpCCMqccHBwcegr9gfgT8cPDvx3+FVl8QfA8yvb3C41CO5Hz2s38UbgdCrcZ79uMGrpVHGXJL5f5f1v8mFSmpR54/P/P8Arb5o7PSdOszC7FcSwoQ0iMRuOcg8+p7UtnqmraBMup6TqUsN7DJHPBLFlSrIwIxgnkYzwPrVW088ZhkldAvYEGM5zgjB6VLcyTorPFaFFLkvKE6DjjIznp+ldJj5o+mdB8a23xN8Lx/ESyiSO+QrFrlnCeI5enmAf3X6+x4r2v8AZ98eC9t28MXk+Snz2pJ6rnoPp/hXxP8ACX4pS+AvElpqk6zmxud8GrW5RsSwnHbuw6g4B4681794d14+FPEFtq2i3Jmt2C3FnOjELNCefXqQcfUVjKLlDl6rb0/rT0sWmlLm6Pf+vx+9bH1bRVHw9rNtr+jQavauGSaIMCD61erFO6uW007BRRRTEFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABR0oooAKPrRRQAUUUUAFFFHFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAHb/Giij3oAKKKKACiiigAooooAKKKKACiiigArz74z+Jo7WJdKST7g8yVQeT6D/PpXe3VwlrbPcyHCopJOa8L8UXDeM/Fv2OW6CQTSGW5mJH7mBQSTnGPugnnucU4rmnYG+WLZkXUt7ovhuW/kZftmuRtGmW+eG0BOT/wNhjp91feuZkBi3xFyd2BuAxgAYB4/nWj4p1b+19Zmv2XZb7QltAvyiGFQAij6AY/wzVB1ecn5FYFF8s5wSAOeCee9bLXUzI51RIQbk5YfcJOCRxjrT2urLSdNfVJ74iGJDLcFz8qgD39hUklw0e0SSEAECQdG+uOwzXzh+3V8drHQPC5+E+n3wimv7c3GtTq2PJshnI6dZCCo9t3fGZqT5I6b/wBfluXTjzS12/r89j53/bW/albx7rzatpM/+gW7SW3hq0J4J5D3rL074T2PbJA+S7qWSeVppnLOxLM7nJYk9T61t+NPEk3irXJtVkDRx5220JP+qiH3V/z3JNYM6hskHJ/WsIq39f18zSUrso3WFzlRj6VVlwVIPX1q1cKWbrnB5HtVaUAZODz0yaokgY857E9aY3OAScU90IGfTpimkYBYDOaBEZxu+bPB4NBABwMEnpmlIw2D68cUjYYnjj0zQAm0tyDk+lGccYB+tTWen3WozeRbQF2xwM11ejeB7LT1W61r97KTkRKeB9aYHOaP4Y1fWnxZWeV/idjtUCuisvh9pdqd+qag0rdo4hjH1NbZnITyolEcY+6idv8AGohlepFFwGWun6Np6gWWkwqQOHZdzfmasfbbnHyyEDsABUAuVlcx2yPK+eViUtWzpPw5+IOugPp/hiYI3SSYbV/Pp+tFmwujK+0zscmVvz4pPPn5zM//AH0a6+D4C+PGQS3lzYwEnlWmBx+OTVtf2fteY/N4m07cexkwCfyosK5wwurgYxMw9AeaZM8V0c3tpBOQMDzYgSK7W4+AXjKJN1teWc+fuhZRz+ZrG1T4aeNtHJN3oUhUfxR/MKNhnI3vg7w3fRhLaJ7NwD8yEupPuCaw9X8BaxYxmezC3cYzkwcsB7j/AAzXXywXFo7JcW7I3QhkpiO6HKybSBwRxSA84xtJVlIPcYpAQG6dOMCu/wBX0PSddB+2x+VMRxcRpg+2R/FXJa54avdCm3yrugZsRzqOG+voaAM7IBzjHPSmr0IxTyAWyB0PFHI5J/DNAAA684HvxzS4HoPxNJtBwUwO5zTl5GWH1oAFOMcZPoKcATkZweuMUL1GBg96UDkHAzQAHk4wMe1IOF7jHelDDA3Y5/nQAcEgcZoAMZX/ABoUk9Tx7UoAOaDwuCOM9aAAjjHTjigc5JGcdRmgADjA596CAMjAzngYoAT73UdqVmJ4AH50dhg/ketAI5BIPfFAB1ODwDSjAA5OR1pO/wA1BxxnIyKAAnDEHpnvS7STgAml2gDpnnpmkIIHcGgAOV68DOAccUnynn8zS4APX6nPIpB06UAKFXGCc/hQy8AkmjbknPYcVe0DQrjXb0QRZVBzK/8AdFNATeGvDNzr9xubKW6N+8k9fYe9d5ZWFnp9sLe0hEaL/CKfp1hb6dbrbWcXlxgYUKeuamVOM4GfWhgIEOcAfnTghwR396kSNmHpxzxipFQHnB9OKQEYiP8AdPuQaf5OMA9+vFSIh+7t6DoakVMsMjvwPSgCIQlgTgdR1pFhA5J57kjirAi4zn3oCcH2ptgV/K3c45HpS+WF5A4qfyhyRXU/CP4PeMPjP4ri8L+EbDLHDXV1ICIraPP3nP8AIdSeAKEnJ6CbSRz/AIZ8I+IfGWtweHfC+kTX17cOFhggTcxPqfQDuTwOua+pPhJ+xZ4F+GlpF4t+O93DqN+FEkWiwvmGI9fnP/LQ/kvUfNXdeFPC3wy/Zc8LvpXhWGO51aRQNQ1mVFaSR+4XsAD2+6O+45rzPx58Q9Y8U3TySXjmNm+4WJJPv6n3zV3t8P3i9fuO88Z/tBLptoNB8I2cFraxp5ccVsmxEUDhRjH0xwPavLPEHjHX9cKST3rYJ4QA4U/TArLuJn37mOfmyw64+o/z0rG1zxnougZW7uBJJkEwQncx464OMdutTa247GtI8jKZZHAO/nJ+8PrUUs5SMiSRFC/eHGeOOa881v4p6zcKyWPl2kJOQcBmP5jA/L8a5fUfE1xqMhkvrye5bPWRyRn2z0obHY9cm8V6DbxgTa5b8HA2yg7R/jVK4+IPhKJzu1RS2eVSFyMY9QMfhmvIpNVmByiLgnoRUf8AaVzkD5cemKV2Gh7BD8QvCMgIXVwhUjYHgk+nUirlr4j8N3rpBZ61bs7EARCYHH4E5PpXiQ1O7BPQ+hIpw1SVSfMiVse+KLsD3RlMiuqncMn5lOe5/X8aBNeRsXt5Cm7nk4/X09q8X03xPd6cc2V9Nb47I3H5dD+NdTpHxVvoUVNUtY7hARiSMBXx+WD+lF9QPZ/CPxX8WeF7lHhvtyxngZKn6jnjj6V6vo3xb+Hvxf0eTwj8W/DlrqEMw+YTRAsDj7wPGG54PDc8NXzfovinR9eQRadfDcw3PA52uOx4/wAMj3q/byNbyLJbPIjq2C2dpXnpTFY2vj7+wbf6JaT+OfgVdPrGmDLS6SDvuIO+EPWQD+6fnx/er5tmgnglaC4hZJIyVdHXBUjqD6V9f/Cj9oDW/B92LHUJjJAy4cu2QR3yP8+1a/x0/Zu8C/tKaRL4/wDhk1vYeJVQvMuQsd5jGQ+P4vR8ZHRsjBC3BM+JiEyCR365phGevf2rT8ReHdZ8K6zc+HfEWmS2d7ZymO4tp02sjen+B6EHIqgyncR3pDIwOnYY65600gE8596ecDqDjnkU0jkhfzoAa24EjI6c8U1lbGSRgdhT8AkHg8cUhHtx2xQBGV4OAc1BPAk8TQzJuRxhkYZBHpVgks3GcCmEA9AOvXPeq3A8+8XeDZNHdr+yBe1zk88x59fUe9c+eT0r12aGOaJ4pkDIwwVbnOe1ed+LvDL6Bd+bbjNtKf3Rz90/3TSasBjfL3P45pMAEnHGOuKUAY+YduOaQ4A5P0pANPHPH4UE4OSKAu7jAPpignI4H60ANwOir3zxSMRx60pPYevSkI7nB9RigBFBHOQPQCkI53Z4HpSkDGTgCkwRn5vrigBh/X1oBxnHGDTiMEjaP8KaMgcEAZoAaw3YO3g+9J2IAORTzj72PbJprBR/DnmgBGx164HNNzkcc/hTsFsHuPek5K4z1HTNADT6Z+mRTcY4bjnmlIBOF4JPUGkOfmJHfkCgBMnJ/XHPNIcgYJ5Pel+UjJ6AdKa/GOeAOKAEPU7QOc0nXjPegng46e/WgkYA/XNADce/JNJgcZOaVgMZCjJ9aQg5x70AIzfw4+hNJwDuJJ9OaU9STj8O9IRg5IB+poAQt0GPwFJt4+X60ueNv4UE5Pce1ADT7HqOaTr7etL1HI6Ck4GcigBCBx79xSHOMHGO9Kch8DHI9KTgcD+dADWHJxjpwKRgVP8ATNKRwBjp1pDkcn8s0AIxGQeOKQ4HIPbrml578j3pOCOBQAh5HPQe9NB7+ntStwevek5C9eQOaAEY9f6Uhz2xjHOaU/TjtzSZByT0oAQgAAE/pTcZPAz6ClLAjJYn1rY0DwZfawBd3H7i2znzG6sPYf1pp2Ax44pJmEUCFmbgKozk+1bunfD7UriNZ9TnS2jPO1uW/LoK6TT9P0vRI/K0y1XcBgzOMs340sjSOpZ5SfrRcClY+FfDOm7Stqblx/FMcj8ulXkuEgQRWdtFGo/hRMfyqNQX+VVJbsAuavWXhXxDqX/HppM7Z/i2HFICkb64JH73n6Cmm4mZsmVuT2NdFH8KvFzkGaCOPI6O4zUjfCXxDGADeWwLD5fn607MDmlu7hRgSHr3pGu5SMSbXBHKsODXQ3Hwr8VQ5MaQy467JB/jWXe+EvEVh/r9KlAJ7KaLMDIutL0PUUKXelRKTyWjUA/XIrHv/h1bTAvo2pHjkRy/4/8A1q3JEeJtkiFWzgg8UbipBXgj3ouB5/quiappDbL60ZB2Y8j86p8eh9K9MklS4i+z3UKyxsPmVxmuf1zwJBPGbvQHw3UwE9fpmjRgcif7pGc0h3DsPpmpJ4JbWVoZ4yjqcMp45qJvlU0gDHfJx2pCeoB6etG7IC579M03kcY/OgBD83Q/WkIPAx+RpePxpGyBz6UAI3HfI9BTSeM44PFKTzj+QpCffvQAhGeN3b0pD0zkHmg4yOevek6rwPyoAMnH3TxSE+lDbjwaQscE9hQAm4g4JxTSckgAe5NOLEnjj2prHqAfpQAhBHIHIPWmkelBOW46Y6k0nTjt60ABAB2jpj1pufUGlLc5xnjsKaS3JGcelAATkY9RTDnH3s8045x/Sm7v9n60AISc56UnbkfjRnOcEfhQePujr70AJ908EikyQM9j1oJwACMY9qRsYOfWgBDz7e1BPUn8qT7x2469OaQkfhQAh9R0FJuxwe9R3F7Z23zXV1HGMcmRwP51n3PjDw9b5B1FXI7RqW/UcUAabMM5xj0ppGRz2rn5/iJpsf8Ax62MrntuIUf1qhcfEPUpBi3soY/TcS3+FOwHXE5H4U12VMksAPU1wk/i7X7kkNqDKM8iMAfyGapz3d1dAG4unc+rsT/Onyjud3c67pNqSJtQhGOwfJ/IVRufG+iRf6syykf3I+P1xXHc/wAOcUh6jPanYR0tz8QG/wCXbTeMcM7/ANAKoz+NNbmb5Gii/wBxM/zzWQpJ6DGB1o3AHn8KYFufWtWucma/mIPUByB+lVWLEnPX170gPcngUEDGRwfYVIAxJ4/SmEAdcc+1PzxnvTccgbuO3FD1QDVZkdXRjuByCDjmvr//AIJu/to3HwP8dpbeJ7uR9B1KVIdetjKdkbHiO7APGR0f1HPYCvkBhgcDHParnh/W7jQNVj1CH5gpxIn99O4rKceZFwlyyP6EbfULO+e3vtJkjk82ESogbG9CM4GO2DntV9JLh7MS+cxMkpJwT8vH3QM8cA18cf8ABLL9qJfiB4Rj+D/iC9W4vtFthLpM8r/NNZdABk9UJAPHTaeSTX1+LmDUYvKuAobBIAPlt1weDxmumjUdSN3ut/6/H0MqsOSWmz2/r8w+0RzWSzySf6slhHGMdcZHX0r2D4B+L5fEXhaXwVd3bC60rdNpaMwy0GAXi98feA9M146hiW0AdY8FSNsmMqD05x1/EVqeFNfv/C2sWXiLTpVR7O5B8tFGZMAZXJ4IIyKuSe63REWtU9j7u/Zm8ZfbdMl8NXNxuaL95AWP8JPT8P8ACvW6+Uvhl4ytNE8U6d4n0qcGwvAskXP/ACzfhgSeu0jH/Aa+qbS4jvLaO6iYFXQEEGuaSSnps9TZXcb9tCSiiigQUUUUAFFFFABRR9KKACiiigAoPpRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRjnNFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAc18UNaTSfDjxNKVaf5QQecdyPwrxbUrmaw8N3Osxt+81Wf7PGWHK2qEGQg5xhm2r/AMAPrXb/ABx1uSfUY9ItmYuqhEQDO52OMD37fjXn3ji5t49fGgWLb4NOtxaI4G0My5Ltj/afcfxq6a0v3/T+l94p727f1/XoYQjWGUTRgsG+8rnIX8P5GnxbFQ+TKVz13L0/yKRGkkieEvt2MSzSNyTx0HYdaLe1i+yCTDOWPzAnPPfI+lbGZmeKfEeleCvCF54q165ENtY27TStx0A3dT24r8vP2rfizq/jvxRealfzFbrWpvtN0nUxW4OIYevYAE4xyM/xV9hf8FAviq2kaFZ/Dh2KrOv2zVXXtbR8gHnIywH1CsK/OnxPrc/iLW7nWLrOZ5CwBP3VHCr+AAH4VySfPUv/AF/V/wAjoS5IW7/1+X5+RkS/3s8iq1yNwwOmehq1ISR8o/Gq0wO0tgkEVRBnyA5JA7dDVeWNgMgn3q3OSM8Y/Cqrk45J69aBkTbD8oY49aibA4OCc8ipH9h1HemMxyScEjvnNArkbE57e2O1WtG0S+1u6W3tIyRu+ZgOBSaVpV1q94LK0TJJ556DNd9YabaaFZLY2eN+P3sgPU+maewbkWnaVp2gQeVZRAyn/WSnnB6cVIWZuT396VmAyWPTrzW34F+Hmu/EC+2WqtDZR83F04woXuc00nJiukY1laX+rXi6do1i9zM5wERc4JrvtA+AEdqg1L4j60sKqu4WMLZYn0Pp+P5V0kuq+Cfg/pjWHhqJDcbSrXbjLyf7v92vOvEPjTxD4munY3LRxMTgBuT+NF4rYdm9WdyfG/w38CQta+G9AtY5QCA7oJHz9T0rn9W+N/iK/dhbK+0/3mwPyFcnFpq5LSHJPUk5qdLYIPuD2zS1YadC1N468WTuXW7CEnnAzio28U+Jydzam5JPYUz7K3U4x9KGtwPm3ZoswLMPjjxTG6k3obH95etblp8YfENm/lzruQdcSdfwPFcubYnPPeozC/Py5+hpXsB6HB418BeLj9n8Q6TEHc8vs2tn69DWf4g+CtlfxvqHgvVEkUkn7NIfmAxniuK2qRsyPpitLRvFWsaDIv2a5ZolI/dOeD9PSnoBi6no2paJctZ6nZvC6tghxiqzIk0L288Ykifh426EV69put+DPiVaf2f4gtFjuAMeaCN/T9a4Xx38O9S8H3ZdQZrVjmOZemPfFKzQ/Q8x8U+D303Op6Uhe2Jy6dWi+vqPesHG7kZx37V6UjlGLKDz95eoI9K5Pxd4XOmk6tpyf6NI3zxj/lkT2+np+VAbmCoGNvJA6k0owFznOe9CkHqAD396VVPIY8DpQIUAnO4Z59accdu3Wm9QOopwHYnOfQUAAB6/pSEYB7CnFecdPqKGGOM/WgBByOMEelGVI54waCrBhgjrRyOexoAU9c4H1owDg7uevSkwGGOPbIpw+8cd6AEPD8n60bSAQBilbByvT69qTqMd89KAFDcHvSYJ5PY0u3BwTjnnmj7nrkdaAEAOd3b0oI5xjg9aM459enFKMZ4BJoBCYAPAIPrStwBk/nQo9ARzzQOTz37UAPtbea6nW2gQs7thVUda9I8PaFBoWnraqcseZXA+81Y3w50HbC+tTr8z5WEHHTua61Yg3T9adgGQxnn9MCpUjPUn8KVVwNwz06E1KE7sKQDUjUDOOc+tPROxBHrTgnf8qeE45x05oAaEI6jj0pwQZ4Gaeq9ifxNOCjbk96AGhTgnHSgoPu5p5GRj0P5VNp2mXmr38OmadavPcXEixwQxrlncnAAA6k5ppXdg2Nn4WfC3xN8XvGVt4N8L2+6WdszSsDst4wfmkc9gP1JAHJFfY9tZeCf2b/AQ8C+DMGfH/Ewv9uJbmbHzcj/IHA7k1vhZ8PNG/Zi+F/k3JjPiHUYFl1e6yMxA5xGp9ByAfXLeleaeMvEd94gmkuXkOMYjjXjYM9veqbS91Eq+7K3inxNf65ePLdy8A7SuBx7D0Fc3fX0FnbS3V5MsaKu5mfsOuc1Nreq2WkWL32oXXlxx935PHGB7/T1ryTxt45u9euS0jlYFb9xb7u3qfU0r20Gl3NXxf8TLq8L2+jSG3gxhpyMNJ/8AE/z+lcNdaszbvKzkk/OTyT61DcTzXcnzEnJwqCvdfgn+xBr3izTF8c/F3Vh4a0BY/N2TEJcSpgHcd3ESkd25/wBnBBpJNg2keG6Ro2u+J9Sj0zQ9Mub68lbEVvaxNI7n0AUEn6V7H4B/YG+OHi6Nb/xFDZeHrU4LNqU2Zdp7+WmcH2YrXrkvxr+E3wXsH8Mfs++BbSNyNkmrXcZ/eEd+f3kvfqQB2BFed+Mvib8SPHrSf8JN4pu7iM8m28zy4Pb92uFPfrzxWjhCmrzdvXf7kcNXMKNN2Tu/L/M34P2Lf2cvCEbRfEn4/mW4j/1kFhJDCw9tn71j+X4VZi+F3/BP/TI1jl1fV7wrwWc3eW46/LGorziPTrl4y6Kc9vLQevvU39gX0sW/ZNkjdkE/p71k8ThY939yOOWZz6JL1bf+R39z8K/+Cfl+mE17WrIsSPk+1ZU/VomFVJ/2K/2dPGUar8Mv2gvJuJOUg1GSGZiT0GweUw/KuFbRL7BG2ZcHOCCx/Oq82myK+2QE/wCy64JP5ULEYWWmq+5jjmdS+qT9Llj4h/sDfHXwbC19odrZ+IbcZJOkzHzQvYmNwpOfRd1eN6tpGteGdSk0rW9MubG7gOJbe6haORD15VgCODXu/hL4vfEv4dMp8LeK723gXgW7SCaADI42PkD6gA16TF8dfg58b9OXwv8AtGfD+0WYqUh1m0iY+VnuCD5kXboWB7jFaqCmrwd/z+47KWPoz0lp6/5nyFZ6u0cquzmN0OUljJBB/oa7fwr8SmiiWx152dGYbLpFGR/vfp0/Gu0+On7EHiLwZpcnj34Q6ofEvhwp5v7gq9xBH13EJxKo/vLz6qACa8Jt7iW2k4BPqp4zWR3bo9yiuIrmGOSKRXUoSjxsMH6H/PrXX/DL4q6p4Evo57e/cQiQfdByue4/PH6V4X4L8cz6PthmLSWh+9EOTGeeR/MjvXocM9td2q3drKJYyN0bDo/p2p2E1c93+OXwR8KftTeCD4v8KeRbeKLG2BjlXhblef3b+qnseqE+hr4k1PSb/RtQn0nVbOS3uraVo57eZSGjdTgqQehBr6l+C/xO1DwH4jhSa8YWzyAAsMgHjqPQ56Vpftv/AAB0rxt4b/4X18O7RWuYIs63BCuTLEowZPdk7nunOfl5LAj4+ZT2HWmFePUYqaRTwc8/XmmMMHn9aQyLnPv3FNP5/WnspBB7dzSOoxjHbqaAGMo6AdP5U07cfWnH0yT9RTWBxyD7U0BGw2/MUJx7VV1TT7fU7KSyu48pIuDjqPcehq4Rk7+OO1MYZ+UfpVNXA8p1jTLjR9Qk0+4+9G3DY4I7GqoGRnjBrvvH2gDVdN+3wDM1spPGPmXuD9OtcF0J4xxUAMzznOPTJpPfOcdTTjzjH480hIAwRwD1oAbwenPPc0AYGT2704AdCPqabt242rxn0oAa3HI6jtmkLFlC55pQdox2I55pCcDHNACDleF4FIR75OOx60AkcdzSZGM9qAEI9fTtSPkEYxjoc0ueflOfXim47YxgcnFACFSW4zntiglupwD3xQQTwfwpASRgfp3oAapAXGSaaCc9vQgU8jC4A6imMeMZwBwM9qADgZ5/Km4+XPHGe9PJySdwz9Kbg8Ajp0xmgBpzgZ5BFGGIwWPsaTrnDc+560EBidxAB9qAGkZ5HXHrSNkt0BBpW5GeM+1Jk4C5yPSgBuOAOOKQkHpgEdqc3AzgH1IpAcZIGKAGnAXnH+FIMjHPXv6UpG7k9OlHfgkgUAIwHTINNKgnv69KU45IH1pCAOnY+tAAR0Iz06UgwAQD09qUk8Adx3pjYHGenTmgAI54PUUnfPehiRgGkOO34nHSgAHPzYHHfFIWB9vU0diT6dc0gIxkYoAQ8/d60nf5WJx6mlJ9j+NN3An056GgBDx0JpD6D+dO642njviup8F+F4o4l13V4jnObeI9/wDaI/l+dADfC/gyKONdV12PIPMNt6+hb/D8/St6W4M2AcYH3VUcClmdpJMs+Tn8q2fBvgbVvGN8IbWPZEvMs7cBR3poDFtrK7vZktbK3eWRiNqouSa7HRvg1drELvxXfLaR4z5CcvXRXF34M+F1kLfT4knviCGkPLE+o9K4rX/FuveJZna6uGjjZsiND/M07dwOibWvh14LJh0vTo5Z07uN5J/pWVqHxY1m6ciztVVR90McZ/AVzyWSRk5Gf1NSfZ+CAoHr/nvTafQCxceNfFU7mV78gk85Wq58SeIwQx1F8j3oeLPUcdgKYYQRx0FICaPxn4nhZXN9uwecrWhYfEzVIGUXdurjvs54/GsV4B1AHSozDsGAvU07IDrRrHgjxHGY9Rs4klfp8uw5P4Vna18Lw6ve+HL5ZEH/ACwY5P0HrWA0foPXHY1e0nxTq2jyqY5WkiB5jbnikwMK+s7qwnNvdW7RyA9CKiDFXBUkYr0Vbrw349txb3yLHcbTggcj8a47xL4U1Lw5PsniZonOUlA4IpW7AYOtaDY+ILciRVS4C/JN6+xrhdV0y90i6NpeR4bPBHQ+9ehgkHPr2xVXXNIg8QWJtpcCVRmOQjoaN9wPPNwJ4A/Kg4x268cVLe2c+n3L2t0myRDgg1C2D+FIA79fwphxn7tBKjnH4UjkentQAp24H9aac89qMkjODSMWGMY49aAEY8fzHrSdSM0rHnHcH1phwT0HXBzQAHBPJ6HjJpWPOVJx701mBJGO/FJyRkdPWgBGwOCPpxTcgnJHbmhuR149KTPHAoACD74xxSFhjOaG6ZJx6jHWoLm+s7MeZd3kUQ9ZHA/nQBLj5cn8BTSQR0z6VlXXjfwzakh9TVz6RKW/UDFZ938T9LQYs9PmkOf4yFH9aAOkOM8HHsKQnA47+tcTdfE7VJeLWxgiB6Fssf6Vm3PjPxLdE7tTZQf7ihf5DNFgPRmIUbs4HfmqV14g0SzyLjVIAR2Dgn8hzXnFze3l2+66vJJfeSQn+dRHsQfxqrAd3dfEHw9BxC8sx/2EwP8Ax7FZ158SiystjpuDj5Wlk4/If41yvuKsadpOq6vP9n0nS7i6k7pbwlyPrgcUWSA05/H3iGYDY8UX/XOLP/oWazp/EGt3JPn6pOc9hIR+grobL4HfE7VEDroSW4Izm5uEB/EAkilufgH8RoVLuLcqP7kjHn0+7SswOSJLEkn6ZpGI25xz+laWsfD7xPogJvo8HGcfMP1IArCZ5on2u5+mc1TbQFsDb0FL16nGfaqiXEq9WPvmpUugPlcEfQVLdwJQR/jmlJxwT260wMHG5SD607jjrVJ3AXOQMAe3FGcng03B3bhj3pcj0+ooauAAE554pehG79aQHII/IUHAxx07UIBeRz7dKNoz0zQOcZP4GgEHlRxQlYAP14xSHLHrilwAPT8KCB2x+dJoBpGBjP50wjH+NSkYGQcimOTgnH5UcoHrn7Inxx1r4OfErS/FWkSuJtKuhOsSPgzwE4mh/FScZ789q/bD4Y+OvBfxB8HWXjLQG8+z1SzjuoJSBgBhnAB+vXrX8/Gk6jNpGpw6jb53QuGHPUen4iv1U/4JIfHY+Kvh/qHwgl1EfadLcXelCbaQ9rKcleeSVbcPYFQKzjL2dZPo9H+n46fPyNLe0pNdVr/n+Gvy8z7Lu72G6Bt7K2HmkYjdjjH1z9O1QxKbmIOYgJYkG5AcFiOv654pZo4vsf21p5JcnG1lwB1/iPJ5qWRZYHEZuDl48BmXGwceuSTXccp6x8EvEsmqeGLnw7ffNcaUftEAX7piY4cDJzwdpA9zX2b8CfFaeJ/AtszTM0luPKk3dTjvX54/CbX08L/EG21EM4gD+Xdnkh43+Vhz1PP4ECvsv9l/X/7M8R3/AISncLu+ZF3ZJI4Jz37VzVVb5fk/+D+ZtDV+q/Ff8DQ94oooqACiiigAooooAOg5NFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUHpQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFNmcRxNI3QKSadWZ4vv49M8O3d47Y2Qnp9KTdkNK7PINY1mK/8Y3WuzkGPTFlvNr55dMLH/4+UrgfMlmZpJZmdidxkVuQec9O1dJrF2bXwvqFw13Ex1DUI7ZI5QchIl3tyOoJaPj261zcEtoImcbEdTlWQ7QwzkYzW8bJelv6/Eybu79/+G/4PzKySTsolYfMGOAQSMetLPNDbRG8Eo2KA7HngDr9O5qVQ0SuGjJLjLAt7e1cP+0j45/4QX4La1rY2Rym2aGzkAyPNc7EPPbcRRUlywbRVOPPNJnwV+258VZPGPjPV9SgvZHS+vja2uQD/osJxwQeQX5+jmvnR8gkgZHbcK7D4t6ut94nNlEV8qyhWFQnTP3if1x/wGuQkQjHQ1zwioxNZu8ivJgDjoelVbgAocjI9qtTDnIzwO1VrjGNo/WqIKNwTncwGAOO9VHIY71PX2q1cghiHOfb/GqrLhi2aBkUgbPJpiwmVxCi5LHAAXrT5CQTkknvXQeANES9ujqVxFuSE8HPQ00riNvwzoyaBp6sy/6RIuTnsKstkHJJ9etT3LPNIznHJ4A/SnaRot/4h1iDRtOiLSSsA20dBmhJydkDaijU+Gvw71D4ia2IWDRWMPzXNyy8ADr/APq716H448a6R4L0tfC/heJY44htXZw0hx95j3q7rlxY/CrwenhzS2XzVQfapE/5aP8A4CvKbiW51a8a8vJGLu3Q9qba+GOwRXV7kFw1zqd0bu+lLs3PPapUtlAARQeOtSRQk8L0B6+tTKoAxj2zQtAIlhAGDk/VacYwByvFS7N5woHsK6fwl8IPG3i2P7VaaaYbftcXJ2KfpnrTV3sF0jk/Lx0x9SKQR5zxk9uK9g039nLSrcA6x4jMrfxpBHwD6c4zV8fAjwGCYt8+7HDNPjn3FGwbnhzoD95Ryecmo3i2kADpXs2pfs/+H5lKadeyKy9Tu3Dnp61y+vfA7xJpqtLp0qXKKeQvUUnZAefPCGGCCR2qB43Q5GSO9auoaXfadcNa6jbPE68FHGDVR4geuc9hRa4Fa3neCVZ4HKupyrA4Neh+C/G9p4htT4Z8TBGDptYuM7vcc9favPZICDvTg9s96IJZYJlnhkZXQ5DDqDST6AaXxD8B3HhPUDLagyWkx3QyY6D0rm3EUsRt51Z0kUrKh6EGvX/B+sab8QfDk3h3XmAmC/ITjIbsQe3NeY+J/D134a1eXS7uIhkfg+o9aTVnYe+p5p4i0OXQ9QNs53xN80EmOGX/ABHeqI/Qnk4rvfEekprWlPAFBmhBkgYDqe6/iK4Lb8+ceuBQDHD5QQfwoX2PfvSBeMAY4pzHBByD+NAhf4SCOvSmqMZ46UpGeoJpR0GQB9KAAgHg0dQeB6c0bT98ZPpR1A7nPSgA3eo+mTQehzxzwcUrAYyB365o4AwT3oAQknIyc96MfLn1oxwM80YIGMDPpQAD5efX1pflLZOPqRSnABzwcc0DptAxnrQMaAc4HGetGG6H+VK3TO7JHWgjocde9AhMlsAZyevFWtI06XVtThsIefMYBiOy9z+VVuOmMHHSux+GGlKRNrEi9/LjyfxP9Ka3B6HWWdrFawx28SBUjUKq+gFTKmMggdecGlRSw571IFznJz9TTegCKo3YwBjtUioCfwzyKRUK9Ome9PA96kAABPC5HpinKpx0/SlVSMfypwBPIHGetABswORzjmlC5GCOB0xSgZX5u3cnrTkO0FWOKAEAJG0LnmvpH9hf4OQO938cvFVrm100GLR45B/rJ8fM4z6Z2j3YnqteBeEvC+qeMvElj4Y0aHfc392kEK47sQM+w96+4fF0Ol/C3wFp/wAOtC8tLbSbJE+X5TLKRyzAdSSSx92NWvdjcl6uxwfxa8XTeINXeJpRIFf973BPHH0A4Fee6jMFVpbmXCom4ydB9efatbUJSJW5DZ+8WOcng/hXmfxd8WeREfD1nMC1wA9y6n7qdl/H+Q96nYaVzk/iF41k16/MkcjfZYRtgQ8bz/eI9f5CuQWO71S9WC3geWaVgscca5LEnAAA6/SpL66a5kwG+QH5RX07+yN8EfD3w88HyftI/Fm0wEj3aDZypkjoFlAzyzE4TPT73oQ4x5mKU1FF74Jfs7eCP2d/DEPxg+OscdxrToH0vRmAbyXxlQFP3pR1z0Tr1GRz3xK+LHjn4v6o6Xty0dkHLWmmwg+VGO2QMb2x/EenOMdKteI9b8VfHDxjJrOrMyxZ2w26cx2sWeFHTn16En07dNongbSdLtxDHblSAABt5f8AGscVjY4R8kdZ/l/wfM8LEYqeIbUHaP5nnln4A1KZg8xVCe7dfp7VZXw3DpwPnQefIoyTzgAd/bv1613eqvYaVaLNPiNFXG4DJY9lAPU/4fky18J3uuYm8RqLe1kX5dOibBb3kYfy/OvGeInN3kcc6KUbydkecT67C8wsdHsrm/nRR+40yDeF5P3n6AfiKni8P/Ei9YSJoen2KZJX7bM07r/3yMD869QGlaZpdsbWxsY4Yo1GFjTAqtJEuOQeO/FCq32RwzrKGkIr56/8A89bwR8QGykviewiOPlSPSTt/Vqo3PhH4nRrJtOgXoCHG+F4nPHTIyPTv+XNeoRK3J2ZGPWozGpQq4BGOpYZH9KFVfYzWJqrt9y/Q8cvLx9JTb428FXulqvJu7Z/tEC+m5hnH/6q7z4Q/BTwt8Z9KvP7N8bSQ3kMgeOSFFliaI4/h+Ugg9RnuK35LWIs2YAcqeB39qo+E/DEXgXx5beO/BV0dMukfF7FAP3N1ExwyyJ0J7gjuMnNFStU9m3SbjLoduFxdD2y9srLrvb/ADX3seYfjZ+yRq8dzHMNS8PTzDzQufs82eq85MEnoRwePvYxWf8AG/8AZ38C/tDeGLj40/s+xJDq6AyaxoQAQzvjLYUcJL34+V+oOeT9PpLpPjLTpfDviPSIH+1W4821fDxXUTD7ynuCOfavnvxt4J8X/snfEKH4geCo5brw/dSeXJA7H5VJ5gkP6o/qMHJ+9vlWcLHy9jX0qdHspeT8z6adOWD96GsPvt5ruj45DXFjcNGyMjoxWSNxjBB5BB6V2Pw/8bHSplsruQGzlbGT/wAsW9c9h6/nXtP7X3wV8PfEXwjH+0/8H7bME6bvENkkYDKRwZio6MpyHx1+90yT8zWF0bd8SfcPX2r19YuzOlNSV0e8RMyIAHYYAYDb+A5HbJr3b9mb4gw3Sy+C9ck3xuNjpJ83ykcHB64PB9Rmvmb4Z+JDqmnNo97ODcW6YjDH78fQfl0/Lua7fwlqt14d1611a0k5R8ttXG5TwR/9aq0YM4j9rT4FzfA/4o3Gm2VqV0nUd1xpTHoi5+eLP+wTgf7JU9TXlrr0bj24r76/aU+H8X7QH7Nv9t6XD52raQn2m2aNtzSMicr1/jjJGPUKea+B2BzjbUMe6uQuoO4A896jIG3Hp3zzU7KNuM/XJqORcNzj+VAERJAGRjHam4AJ561Iy4bDt3qM8kE8HtzQA3dyRuGPSo2+bpnkelSNggkd+cimk55LD6E1dgI3zzuAwT+debeMNIGka5LHEu2KUeYg9Ae355r0mQljjacfWuf+IOkfbtH+2QKWktjuOBnKng/4/hUAcAAMA5AI9aQgDjgYHrStkAgce9Bx3/XtQAw8fIMHtSnKMew9qMqDyRyeuaRs444PoBQA054AOeOuaaeu7I+uOlSAjnj6Uw4+nuDQAjApjOfwFJnAO3GehyKBk/MT0pDycN+FACfwnOeeDSO53cA9MZzSsRxjj603CDg8euDQAEHOSQABx9KZk4wDjOM80rLuXv05z7Uh4Bx6UABBycg9stjtTSMdcg9jinNlzzyB2pjEEZc9B0AoAT7vCcYNJhwcMw+tKegyvU8imuecEfnQAFs/U9aaxGAVIxS7wpGOMdaTn06etADSQBxgZ70HOCBk+1Kfm6cHvSM3OA3PrmgBuOMbfXIpOeuelLnHSkYnkdPTigBDnHGc0NwABjp2NDnHOP1pCeuePf1oAQA56/QikBAyevFAwcAD8c0h7HqaAEIAfJHbPFDHk57jjApAAT1GRQTng549+tADSxJAxk+9BYEgEkmlI55H0pCTnOecd6AGn5x0GD6mmkEHninEA9+/c0057Z46UAIc9CO/UUjDPGQT35pcgnn8MUsFtPdTJa26FpJHCoB3J6UAbHgjw6NavTe3a4tbc5ckcOfT/GuwnkE0hKrgLwBjpTbLTodF06LSrbGEX942Mb27k1d0LRLvXtUi020jLNIw6CnezA0vAHgK+8Z6lsT93bRnM0rdFFdx4v8AFeneBrNfDPhiFFkVSpOOR6k461c8QXmn/DPwqmi6dEvnsMNkn942OSfpXmshlupmu7tyzucuT3ppC3IJRNdzNeXcpkdiSzGnLCTj5OOw9qmSJj8z+vHNO8tTkjp+tOwyDYNvyrgk0GPvnOasQWk91IsNtE0jsflVVya6vQ/g34l1QJPqKraQsM5k5YfhTA4lo+hPr0pHiCkZHavW7P4I+HIEP229lnZeu04B+mKnf4ReBguHs58kcYuDkeh9/pQgPGmjHUEfnUbp/s/lXsr/AAR+Ht2pZ9V1SwJBKyRxpOoPuCVP6/hWH4k/Zq8bWllJqng27tPElrDGZJhpRYzwqOpaBwJMDuyhlHrRa4rnmDwgkHaPrUUkeAc4xjrmr0sEkLmOaNlZTgoRgioZI0Oflo1HuU4pZrOYTwylWU/KQetdpoPiSx8U6e2ia3Eu/afmPUn1rjZ0CNkLkdOO1NjmktZ1nt3KMhzlalq2wD/F3he48M35jYFoX5ikI7Vklip4z7GvSdNez8c+G20+62meIHDHrn6157qNjcaZeyWV0hVo2xz6UPVXBeZheMdDXWLH7dbx/v4RyMcsPSuHbIPzAg9CK9OjYq2CeDwRXE+NdHXStT82FcRTfMBjgHuKW6AxSeffHXNNLDP+NRXWo2Fkpa9vYov+ukgX+dZd54/8J2hIbV1kPcRAtn8QMUgNgHjHrSE8YP49q5O7+LmkxZFjpk8pHTzGCg/zrMvPi1q8rf6Fp1vEvYOS5H48U7Ad6xyfvHHrmmu4U7mYAAfxV5fe+O/FV5kPqzRj+7CoTH4gZ/Ws25vr275vbuWU+sjlv50gPU7vxP4ftAftGsW6kdllDH8hWZd/Ezw3BkwtNOccGOLA/wDHsV50T/ERj0xQOOVHA607AdjefFdmJFlo+PRpZf6Af1rMuviP4kueIpIYB6xxA/8AoWawDkHk5pAxb2NNJMC9c+I9dvCxuNYuGz1USkA/gOKpMSxwzd+9B/zzRkevFGwApx1HTqTS5HBI78UKAcfLSFsgbmB5psAzjHr60Akkg5pCB3P19qAMHHQ55oSsAq55ycj6UnOcDPPalwSOMcdyaltbWa7YiJSAOHcjIpMBbaSK2cTSRrIR0jcZB/x+ldVpfxQ8c2FsLTTfslrAOiJbqg/Ja5uRrXTl8uIbm/vYyT/hUJnuJeWbaOwFIDubf4seOUG+TVkz6iFQMn6064+LHjmYfLrbKCMkIgwa4eO7kQgElh6GnnUk24xjHvRcDo7/AMc+MLyIw3GtqyOOQ8Cf4VzF1pzSzG4nyzEklkwP6VGt7PPIWQsFB65qZLyQEFufU0NgQzWUMqbsc4696pzWrwZxhh/eFbiiC6/1Y2v7dfx9arzW5Bw6gnHJ7GgDIUuoBHXOeKlS4BIDAjPelurURHfGTjPIqEAjHH09qT0AtAkryf1pGY8fJgdjUccgPyNkHsTUhGOvFNK4Apxz3NBODnBz7UHg5xx2o5wP500gFUcZB/WlUc4IB9jSA8A4P4UFs98GnuAowOoyTTSe+e/ORS5/E96OCACBQgF6+pppJxhfwzS9qacngDjvmhgNYbT/AI19Df8ABPr40S/C7406DrVzfSR20V6LK+2n/l2nIHJ9A+GPstfPLcnBXtW38OtTOn+I0jLALcIYyTng9QfzGPxrGpHmi0XTlyTTP6A9NMU1rHIjia1lUGMKRuIOOf5U9JJ4mltkEqxmPrJGcgjnB6/nxXmf7G3xLh+LH7PXhnxhfTxTXP8AZoivJQh4uI/kkzz/AHhXpsRMk0cvkEgKVTbIh49yvXiuujP2lJSe/wCvUxqw5Kjiv6XQiluHktg8DbWU52ruUk+vX1HrX03+zz44d7zwz4odyDPGttdnoRIvyHPPU/KT9a+ahMVklil04qoySSTkY9fX+fvXp3wH8QLN4futMgjWOaxu0uLeON8hQ3DMT3wQn50VI8yt8vv/AODYUJWd/R/18rn6GQSLLEsinIIyKfWR4F1RNZ8J2OpRuGEtsp3A9eK165Yu8UzWStJoKKKKoQUUUUAFFFFABRRRQAUUUcD8aACiiigAooooAKKKKACiiigAooooAKKO2KKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigArk/jBf/YvCbrtz5kiq3HbPNdZXnnx9u1j0e3gkchXZtxA6fKe/ala7SGrK7Z5d4tkZNL0zTLuFGkjtDcuyMBuMshIJB/2FSsFwHk8meNNxIwVwOB7etavjjFt4om0vzA62UENsN2BuMcSr3PPKntWPI1/cGKNmyTIFdQ2TjqMc+hrpVmr9zHVLUZMU3PCYt6ggJsJIHvn+dfO/7f8A4lXTPDekeFi5jW5umurgMw2mONcYPOMBmU/hX0cHS2laLYB8xC71BIwcehr4h/4KUeL5b3xjdRCbzYbDRUiXp8rysQ2P/HPyrCu9Ev6/q9jaitW/68/wufGerXsuo6lcahMozPK8jKMcFiT9O9UW9OuDVgxgHcOR3BFV5NwPKYB64pbKwnqyCUcn1A9aqzHCkt196ty4yFHB71Vm3DPWgDPnIbjGO/TrVZ+BgVcnhOQe2aqyLg4GMCgCNIZJ5VgjXLOwCjpzXo2lad/ZOjxWZUB2ALkAf565rjvBWnHUddjOwlY+eV/KvQbxQ0hVQflOBjpgU9ohpcoyYOTjB616d8CPCw0fSLrx5qEfzkFLXPY45P4D+deeW2mPf38FnGp3SygBQMnFeyeN5Y/CPg6DQbN1URQBHG3HzkAsfz71S92DfyFa8kjzvx5rs+v606vNlEbgk9ayVibiNW+v0pw8x3Mr9SckmpYEYIXcHmp2Wg+o0JgcDgdsVPY6fd6jdxWNjA8ksr7Yo0Xkse2KXbuQKFGR6d69u+B3gC08FaCPH3iGBBfXKE2CyjmCP+/jsTzj25qopWu9hNvZDfh/8FvD/gS1TXvHsUVzqAG5baUgw23f5v7zfoPet2XXvE3jFTH4S0+I2y8JqF4pWP8A4Ag5f0zwPet/4ffCbxf8dL86nDpTNpCSAW6TnYkzDkO395fRe/Xp1+gvDH7KWk6XBHP4g1FrqUAZtoV2RD2z94/pVPb3tPIlW6HxT4p+F/7RmrXDHTbqbUodvK6UxQgehXgn6DNeeXPh3Xo7loNW1ye3kjcpIksr7kIOCCDg5HPFfqjpujQeHYF06w02K0hXokUW0H39/qa+Q/8Agof8EbXQdRtvjF4esjGl9L5GrpGvyiTHyS9OM42n1OKxlJRa7GqjzJ9z50gsvGmhWbah4b8dMwjGRGsrgfTBGKvaD+0Xr/h+6S18caR59scD7Zbx4OenOOD9K5l9QuIIjElwyK33gG4P1r6C/wCCcHwj+H/xl+Jt1B4z0W1v4dJtTcS2V8gdLgMQigo3BAJyeCOAK1pxc5W+ZnOSirmMlp4A+Kmhi6tI47uCT+OPiaFj6eh/MGvLPiP8LNW8B3K3Ik+1abOxFreopHPXY4/hcenfqCRX2L+1F/wTg1j4dx3Pxx/ZRsnjEAabWPB0ZLJLH1ZrZexHJ8vv/DggA+M+GPEXhr4leFJYLi2MlndL5epWJTDROP4hnlXB5B/DpkVG+266F2ta+z/r+kfOskRPGMj3FVpoPLHmqcY6rjrXUeOvBl74H8Rz6HdkvGvz21wBhZoj91x/UdiCOorDeDI5z9KL3E1ZiaFq8+iapHqFuxypG4A9R3rtviXo0fijwlb+KrJQ0sSjzMdSv/1q4FoDGxjbHByD1r0X4RapHqWk3XhS9ZTlCI8jJwfrT+KNgTszylQ0bB8AhTmuJ8a6XHpmtsYV2xTqJIsDjnqPzzxXpfiPRZtG1q4090ZfKlIUn07Vy3xA0sXmgJfqRutZcH/dbj+eKjzH5HDoFJ44JHPHFOxtGBzQowdpyMd6PUHueaYgILHOR7UuB0ORntR1bOcA9TRyOOooGwwOTn86Mnb0zjt6Uo5znPPalIVRjB6UCG47jr6ijgdTz65pQCRwOPp1oAHO7A9z6UAAx1x9c0HOMEfpQo45U80EYUkg0AAwwORnnmjAUcDqOtKEyM+/FGPlzjPtQA329uaUAfePpSnjII7UgHYZ980AAXjgEDsK9V8K6b/ZuhW9q3UR5bI5yeSP1rznw3p51PXbW1ZQVaYFgTjKjk/pXrSxkHHp0p7IOowKB04HepFUjoOB3pyqAvAH4U5VySMkcc0gBVbB559jTlU9R27Gl2Dbx09PWlRMdDnNACAbjg457Zpyg8YHQd6cFBGOOvNKqqPmB57igBFUjj2pQoIHPNOVGHVgeecmlZRu+5yfWgD6B/4J9+AYdV+IOpfEXU4823h+yPlMwziaQEAj1wgf8SK9G+KmsPqWqtvJLl2kfa5ALMelaH7K3hr/AIQv9l+C/ZGSfxBfPPISuDszsUZ7jbHnH+1WL4qsZb69e9VSNzcZz06A9K0n8SXYiOqv3OA167hsYJr2e4YRwxl2OOmOSa+fPFWs3GrX02oTN+8uZC2Cc7R6Z9uBXsnx+1JtJ8Oppa/fvpgGOcHavzE/ntH414XfsZbhmA6HaPpWe5eyO6/Zg+DEnxr+K1n4fuomGmWn+k6o4B/1SkZT6sSF9sk9q97/AGhvG7+MfFkHw38Lqq6TosgghghGFeYDaTxxhfugfX1p37NOjJ8EP2XtS+KEkAj1fxA2LNmGGCklI8ZHOPmk9xWb8HvDRnvJdeu/4BiPcOrHvn6Z/Oqr1lhcO6nVaL16/cePmNZu1GO8t/T/AIJ0XhbwlB4c05LRWU7kBkYc7z+POMcVZ1eS2tQ0s1zsWOMGRyOFHU4/z2rZaIIDEkeAq8McY4rn9Vs11jXINCdCYIyLm/U9MdEj9MEjP0WvlOZzldnKoxS12RDoGlT6ncr4k1mAA7QNPtm58pD0c/7RHPt/LUnIVMswyMkjOandup2jA+79KyPEOr2Gk2Mmo6lcpFDAu6SQjOBn9c+nXNUtWcNWcqk/yRX1W8jigeeWVY0AJd2bCqvc5PbFcH4i+Ovg3RZWisTNfSR9Xhwsef8AfJH5gEVyut634y+N/iOTRPDcbRabC3KscRoB/G57t3x0H6nU0b4f/DDw/IqvbXPiW+Uf6xX2227jgN3HuoYfjXUowh8Wr7I3WDoUta+suy6erM+4/aWuZHxbeHbZQM/eui2PxAFWtK/aRsppNuoeHyB3e1uA5/IgfzrqbS3IRYrX4U6XFCPvRtkkn/eIHb2rO1fwv8NNdPl+KPh2+mSfwXVlk4GOpGAR9ADRzQ6wf3jX9nS0dP7nf9Te8OeOPC/i6JX0TU0aTq9tJ8sicDPHXHuMj0NamxmBLMFZuuOc4wa8d8afCLX/AAQI/FPhHUWvdPU7ormB8SRe+Qc+v8q9V/Zq8WeFPjFCPCfiTVJrTXo0LQOoXy7xB1Kgjhx3XuOR3AHGPLzQd0cWMwcKNF16T5ode69Ts/B3jDU7OzGj/anZYD5lqHbPlHPVT1HPJA4OfXp3mjeMfBPxt0DU/A3iOBFvI4/K1TTZjhyp6TIQeQeCGHIOOhrHf4BRq4aLxO68dfs3P/oVcD8cvghq3gfS1+L3h/Wprm40Vf8AiYQJEVMtm3EnO7qg+YegDe1efUwdOtU5k+WXfzNcrz6ELYeTunor/l6Mo/CPV7n4HfF2/wDgl4tkS50LWZ/KjaQhlJcFYpMHj5xhHGOo9F5+c/2m/gxL8EPixfeFIFb+zpx9q0h3Oc27k4U+6kFT67c969G8d6YZLODX7OUuAFdJ0BO9G5DZ/EHP1+tdn+0fpn/C+P2U9K+K4hWTWPDkhW/dBlmTIjmzjpn93L7AGvrKdR18PGpJ3ktH69/me7l+IjUbhst1/kfMngvXW0bU7e/ySIX2ygfxRngj8unuK9/0vRWvrNLuE743AMRTOGBGc++ev9a+bbI+VKA3Rh619HfAnVhr3w/txM+ZrCVreTnqFwVH02kD8DVpnpn0H+zHqxuLW58H3tyX86BvKU54dRnp+BFfFv7S/wAOB8L/AI0a34ZgtWjtXuPtWngLtUQy/Mqj2Ukp/wAAr6s+EGsR6P8AEGwuIp1RGuFDHp83f9M/nXFf8FQfh8llruhePrW3+WUSWNzJjA/56xD9ZaGtRI+SHQjg1E6jp19easSI35+3Wo2jZW69O9SMruoz9KjYYO0DkdwKsNH2xnI65FRGMdc9uBQBFj5uTwOtNYDbkDjFPYckDA/CmsCMqOSBVJgRMo3YHGPWobm3jubaS3lyVkUhh7EVZdS+N5/KmugYZVeOhzSYHkV/bNZXktnNkmKRlb8DiojnH1rc+IFj9j8SSuCAs6LINv0wc/iDWGO+CMA5pANKg54/GkwRxg/UUpzjPr6ikJXO0jPcn1oAQk9QRnHNI2ckkfWhmAGcgc0mCQTjAoATcQDjPrSBgRt698UORnr78UjEFTz070ABIHXPbOaaWUjp+OKcU6Hj6YppAzt+uaAEGeAGJIPc00tkHB5605gQNhYc80z7uVxkigBd+TlSB1pqg7SRg5bNI20HaDkYo3HIXd0/EUANbGMHIx3NHLEksBj1pBg84PXmkb8DkYFABkEkBeMY+lJ8xJHtyDR0GSMAdsUm5gOP5UABxnJ4+lMI6DH1wKU7gf6YpoyDj24NAAeM89cUh5OSPpQTtH40BgByfw9aAG847+woLErsDfgaATkcEYHpSBs/NnnvQAEk5AH4YpCPr+dHAwCfrSEqOSPpQAh4JyfzFNPB69expe/TANDE9sdOgoAaSp9eO1Jkn8uOKAT2wfrSEnb/ACoADgcZwR701sr+A9acxXHPWm54znNACNnG7jiuk+HGmCbUJdXljBS3XEef757/AJfzrmsgcCvQ/CWnppvhq3j/AIp181+fXp+mKBotyKzsWIxk816n8FfDaaPotx4wvwFYjEJYdB3I/lXnOj6dLq2q2+nwpuaaYKoz1ya9Y+Jt+nhnwrBoGnEJlBCoUc7QOfz9aaV2J6I4HxXrc3iHXZbx2JiVyIQey1QjQlg+3gHjFK2QqphuTg89BUoT5cBu1WA04x0wTWp4S8Gav4z1ZNL0iPOCDLMzYSNe7E1W0bSL/X9Ug0fTLZpbm4lEcMSdWY8V7glh4c+FPhKXTYpk/cx79QvF4M8g4JB/ug5AH9aNQKOl+FfBvwzsBdFlMqKTPqEuOcdcZ6D+dcD4w/aKBuTpngbTTcOCf9Jlzgn1A71zXjHxH4x+K91JcWNtN/ZkDYjjVwA3543H+VYcZn0T/R/7Le0cn/lshBPvz1pN9hG/9v8Aih4sYtfeK4rfdlhELjaTx2C5P51SvNA8Y2jAyeKJHJPUXD4NZYvJA/mGVtwOQc10PwsvPDviL4j6do3ivxJbx26s0skVzegFlUZ24J6E4B9qm40rnW/CH4K/tc/Eeyn1f4WeBtf1ywtGxcXcFsZbdSMZXcwwSAR8oyQDnFdZptn8X/Cebnxl4OnsZLOT5rmxmDSQsD94ojF1IPUgcYr9Qf8AgnT45+GHif4DQQ+DdSspWtdQmhvrawXCwSAjC4HAymwj2Ir0D9oL9lT4SfHbw/NeT6atjrixEW2s2qBZA2OBIB/rV46Hkc4Iq4cstxT5ovQ/I3xTpfgb43WYfxYYbPW5E/0PxVbJxO2OFu0XhwenmgBx1bf28G8YeDte8D69P4d8SWRhuoSOAwZXUjIdWHDKRghhwQa9V/bY8J/H39mb4i6hoB8IWFndw5mlghjaWHU4OcXNuTgbuOmMkgggMK+bviR8VvH/AMZPBK2N34wnS5tYGfRLq1AibGcm3ZlAO087R2Y+hOLcWnaX9f8AAIUk9UdDdzQW8Re4lRFB+ZpHwK5jWfil8OtCLLf+MLHI6LFN5jD8Eya+adWvdYvLh/7Xv7meVWIb7RMznP41RmQn7v3vSszRan0Xpv7Wfw+8Maskun/br1WOGENttU8/7ZB/Sqvxp/aTmuraLxF4U8HRqjqN0lzcE/8Ajqgfz7V87MpB38j0rvvB06eJfB9zo9425ooyUyM4oW4PYzdU/aM+J2pZ+z39vZg9ra2H823Guf1bx14y19Vl1bxNfTbTgo1wcYP+yDisu5tns7qW1lUgxvjBpqBSxQ8hhgip1TAkZ2dyWcknk5OTQDgYODjvTIzlPmPI4OPWl4+mKd7AOPUgsfakwByCaQHJ++OOmaMngnHvRawChycA0mTnI44weKTI6EfTmlyMcL2oTABgjrz34oyvRsc0me2aOeuf0oiApwMGgHr1wOtGOccdewo4PIwaFqAckZAz60Ag8A49TShSBjHJ70mCc5wOOnrQ2AAspOW6+1BIzw3PoRSgEfPSDnJH86aAB1JLdqFx95vzpSpzwBz0yaArZCLjPQD3pXuBLaWj3ku3PyD/AFhA4rTZo7eIRxABV7DoBVR5102JYEGT/F6k1DdSzzAKF+U8tjHPtQBFe3G+4Dw8rnk9jUnQADimLbEtukIwOlSEY6Hj2qbgNIPP64FIFyMEfU0/aevA9zQq9utADdqr0HHtShcgACnEE87frijafwHrQBJZFUkLN6cCtAQxXCeWx7dSP1rKIPQN9MCp4b6VD+8B/wB4CmnYCO/t5IWKOhJH61myxFH4GBmt2eWO9g8zbhl688kVmXULcgjr0NDsBTx781NGwZQCckCo2T07URblYHAIPYmlsBP0AyetJgEZxj2pTjp0B700DkDv3qmwFH3fpRuHrxTj7/lTSobHHNPcAU7eeDigkk8flSjrt7+lHJ7/AEouAY4wT27UhPP3s5NHOORn6CggZ4A596LAIwycD+dLaXD2d5Fdwgb4pA4yO4Oaac89TTeecc1AbH6tf8EgfiLLq/w/8QeA5LwSCwv0urMYHyRzr05/hLqxPNfYN6YbGeBIYfMzzMsh+YfgPU9PpX5m/wDBIDxzead8Wv7AjcCPVvD0kbKW++8LgKPfhm4r9N0FzaGN5rYIFUeZvUAuxJ6ZyR7VeFdlKPZ/ml+tysQvhl3X5afkkRWVquVkigKmQ5VCwJI9OvP0x+Ndz8FNZtk8YS6dI7ot/YzRZUDCFRvAA9ygyfeuJknkvV22uyPyizSBTtK+uMYyfbitv4f3cNt4n0m+Mht44r2MMxfBdWYZyOvIJrefwtmMdWl3P0I/Zs1ddU+F9kF/5YAxY/3Tj+legV5B+yLesfCd5pnGILtgAPfB/rXr9ci0bXmzaTvZ+S/IKKOlFMkKKKKACiiigAoo60UAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFHXoaKKACiiigAooooAKKKKACiiigAooooAKKKKACjtzRRQAUUUUAFFFFABRRRQAUUUUAFFFFABntRRRQAUUUUAFFFFABRRRQAV5j8d1fUNQstHVsef8uecZLKO31r06vKfjVIqeNNE8x/lF/ACu7GQZVoi7VI+oS/hy9Dy/X1XVfEmoXlxIA/2yZ8iQZYFiQce3FZ73csM4e0iBzgSb/vE4wex+vans09zeyFDFHFvJd3G3Izn5uvTNMeSFPM+zvhMDdJGSdox6k8fjXQtEkZt3Y15DCJXjKq7EFdgOQM/l14zmvzk/b38SDUviR4g+zl/Ll1OOAAZIwka5H/fSE1+jYZpo/LijSM7QCVIJHccc4Nfl9+2PqIuvG+qrvZmbxBc8kAA7XkXP5Vz1b+0X9dUbUvgf9dGeKTF0UGMZ55FRt8x3owBxyaer7eG6H+Go5Fwdw64OOaCSCQfKRtx6ZFVp8L97t1x3q27YByMnrioJ4wwzjkelAGdcE5wN2M9c1WfLA5XnP51oSQHouOnSq8tuQoCnknvQB0/wssS5lvSnQ4Bx6D/64rqGt274wT0qn8M9NePQjMQfmyQfTnH9K32t1KkLHyB1qpbiWxo/BnRhqXxEg86MMlsDKVCk52jOK3PjLetdal5LFiSed1Wf2fNOX+1dU1ExgmK3IBPTkgdqzfiMGuNefPTcf6Ypy2igju2ciIGwEI68VYW3YpsC8noRVlbMtKAfTOBUotRt+6etTYZsfCbwXD4y8dWWk3RIgVzLdN0xGg3N+g/WvpLwh4Gi+LvxFt/BsqyR6XBF5+qCA7cQrwsQOP4jtX6ZPavLf2Z9ISCPWdeKfOsSQIccruJJx6fdx+NfUv7IHhjPhzU/EssJM+p6n5MbsesUQAGPbcz/AJVuklbyV/m9v0fyMm397t8v60Pa/hz4H0nRNIig0yyS3tolKW0MSgBQOPz7V0stnHGB+7GfpWjYWCW9okEQ4RABz6U28iCIVCc4rGUrs1S0MK9gilTy5EU+2P615p+0D8OW+Jfwt1jwZaTbZri332rN/wA9FO5QfxAFeoXkahCTnr2rCuE3XLCPcw9COpxUSjdWKjLldz8udT0JbeWXTNRsSk9vI0c8ci8qwOCPY5GK6f8AZj+I1v8AAX41aR46USx2ayGDU0jyd1u/DcdyPvAeor1L9tn4RxeC/iCnjTS7QR2WugtKoAAS4GNwx23Dn65rwjUbTnzEH5dqdKo1aXUVSmnp0P1x+HvxS8OeNdBTWvCmtW9/aSqMSwtnGR0YHlT7Hn2r4Y/bk+DmlfAr45Wvxa8IW8dtoHjO5aLVrOLASC+ILGQAdA4BY4H3gT1avnTSPiZ8TPB1y7eFvH+saYJFCS/YNRkh3L2B2EZrL8a+M/HvjaFR4v8AG2r6qYG3wf2jqUs/lnPUb2OOlEv4ikv6XUI3UWn/AE+h3Xxz8PR3/h6PUkhzLYPgSKc5ibqPwPI/H1ryNrc7OABXvFlCnin4ZQXHlkmaww5Iz8w4/pXi9zp+x2QfwnBz1BptWk0JO8UzFubcgiUdOnWt34Z38+keMLSSJyqyPsbnGQaqTWTFTlf0pdO322oQzK5GJFOR9acXaSFLY2fjloD6f4nS5jhVfPjyxXufU/hiuB1bTheaZd2ZQEyWzhQf7wGQa9n+O+lRmx07Uirb5IUwe2CPyrzJbM+cq4GG4/pU2tdF9UzxMLjIJ/GjA+6BgmtDUdONtqM9sEIEczKARg8GoDakH7v5CgT0K+xs7vypRHgbsc9+elWfsu4YxgeuKc1oVwoBweuBQIqeWSRjGT2pduThlHNWTbgHAB/CnfZmAztyfpQBSK4OQvGec0oAOOOccZq01s2MkcY4wKEtxgccHP1oArCIAdxSiPOQckDuKs/Z2DZI9s44xS/Zyi9Oe/FA2ytsIXp3oEYOMjv0q0ICrdyMZOBS/ZyQGVMDpxQIp+VjnH50ABm5q2lvjJYkDPHFJ9nYNkqOTQBsfDSw8/xOJOT5ULMCOnp/WvSI4SRk4weua5D4RWAa/u7nGMRBQMdMn/61d6LTCkkZHYAU2BTWLPBBHuackZyQB0/WrS2ZOCv5VJ9kCoMg9f1oswK3lcc/Q0ogAwNv056VcNtjjBwPWnraqeWAyDkEmiwFEwluuQf5U827EblJB9quLb7VIUHPfPrThbnGQB/tGnygUvJK/Ng4xk8CpIIPNlVNvLsAM/lVxLcEfc/StLwbov8Aa/i3TNKKcXF/DH05+ZwKcEnNIUnaLZ9yX+iyeFPh14Y8JBMGz0iFZlAHLBFBP55/OuXv9PV0eNlGDySeo/z/AFrvfimyP4kitlY4S1UBenc8VyV7C/LMjZ3ZwOw9f1/Sk7ydxbaHy3+1FdM/jS30hCrLZWOTgk4Zyc9fZVryzSNDn1zWLXSLSPfNd3CRRr6szAD+deh/H0Pd/E3WnzuAmRBnthEH9Kq/s8+HV1v40+HbSVBhNSSU56HZ8/8ASiGskVN2TPov9pRYfDvh7wp8LtMcR29pYiR4sDsBHGfbAD1a8A6MNM8NWsccRBki3tjHO7kfXjFY/wC0lLJqfxpnsXIKWVvBBHj02Bx+rGu50q08u0MUMZdUAVWXoQMdD7V5ucTfLTh5X+8+eqvmxtSXay/r7ind2u1hDk4JHzAHnjPUD/Oa53w0Uu4brXSBm9vGKMTyY1OxPwwCfxrrtRiazheZgeLeRvyAx/n3rd+G3wx0a18I6Ve6kDcO9jFJs6ICyBunf8fyrxY7XObFYiFGjr1ZymieDta8TSEWsIS3LfNO4wo9h615H+1RJGfFth8G/CBMs0ex9QnJ5aVxwuOwRCGwOpfnkCvrcRCOPy40Cqq/KFGAPwr410e+n8TfFzxT4/DebJAbmazEhyNzuViH0A2j6Cuilo3Lt+Zy5ZUnVqzrvaK0Xm9DQ0PwN51unw+8MoY9Pt22X86KM304+8pP9xTkH1IOeBz3NnpHh/wpAtlp1hDcXC48yWRcqp9AP4vqc/QVe8MaJH4d8HPfxZLsPs8BJ+YgAbz7kkjn/e9apG2llkCxqzs38OOWNZ1ZyXuoxnKWIk3LZf02yT+29Yj4i1AxDskR2ge2BUUl3bX6GDXtKgnR1+aWJFWQZ75A+b/gWasyaJLFxNMAeMjHrVZraWFzGRwAOBjGKwTl0YvZ05LRGPP4bPheYXelf6Vpt7nzoCMLIMYPyn7sg4yOhHfGDXjfxK8N6l8HviLaeK/CVw8EE1wLmwmj6QyghsfQ+nf0xX0r4FsrPV9Tk8KamhNrfKdrgDKSKCVdT69R+NcB+1J8OrnR/As1rqLxzS2EqzW0sYPKHvg9PTH8666FRqon30Z1ZfiHHFewnqno/NM99+GPjaz+JPgLS/Gtrwt9ahpUUfclHyuv4MGH4VqalpltqlhPpuoQJLbXETxyxsOHRgQwI9CDXjP7BWsTX3w41Tw/MSTY6n5iKx+6siDge2UY/jXuciZBABJB5FVUhy1GkfL43DvCYydOPR6fofJHhvwi1vp+qeANSaWSTw/qdxYOWBDPCG/dv6cow/AV037KKwa5Y+MPgrrrFra8s3bymXBGQYJvfkNH+Vbk2iNF+0v4u0yMbo9R0yyvQgA+VhH5RI/75J/Gs74W2c/hP9rSPS4MrFqNtMjq3GVMHm44/wBpK9TLp3lOm+qv81/w59Xl+J/2+P8AeSf3pX/Fnx3rei3/AIf1m60XUI9tzY3LwTL6OjFWH5g16/8AsrXpk1vU9CYk+dbJcR7iSF2NtJwPXePyrI/aX8Hf2D8evFVjCuVbVnuBx080CUj/AMfrc/Y80ttQ+Oem6EVyby2uIzx/diaT/wBkrtifXPQ9z0GE22u21yqBDHcRhcgfOePb9a7D/gop4STXf2fZ9Re3Jl09rW7j9iJBExx/uysa6m1+C8zShiQ3lkYJT5hx+ddJ+1z4XF5+zlrkcqguPDN2wDDkssRcH81pt9QW5+VT2x9O/UVFPC4y2RkdvatRoe/fHeoZbUEDOKLpgZhi43O4561C8S9egPUmtSS1BXPv3FQPZ7TtYcEd6LAZ3lkngdTTDEVUkgfyq89rtbgcD0pn2YjgjjGTUgUWiPQn8TTBG+ec+2eKvS2x3ZxnAwOKYLZi3YHPpTuwPPviraAS2d2ucsroSR6YI5/E1yWGHXrnnFeifFeyzocFxgHbcgAY7FT/AIVwLW743Y4PSkBXC7hgZyOpzR5ZHy44781YMI7rgDrTWgOPujpxQBXCbxkjn6011fHy9z61bMTBfmGQBimeUSTnj60AV9pbkjODSFQOBg+measNCMkgH8aQwkHJUDHGTQBVwB8xGDnildA3QHjnkdqmaLb0xntSNBnO0/XIoAqlCOnGPegJgE5IOefarJt9vJGcjnFI0ORt9aAKskbDJHPuaaUO05J6nIq2sRAI3duDSGI9ODjoDQBUCsVUZPTnPekKqFyR2qz5HAXHXp7UhtwBgA8/3fegCptJGBnHfikG0D5l571b+zttIB+opjW5Ofl+tAFVkXnkke9NYE8hfpxxVn7OcZGOOtILdzk+vXnigCsVPHT0ppyq7iO/erLQ4HyrTWibAwPxzQBXZT2OcmhvvYA7elTm1yBwfwFIbfvnoemKAK+09TnPFNK84HU9zVgwsScrwO2ab5AJx79BQBAQQfl70hBIw2OPWrHkMpxjpTTFznbz70AVznJOB07UnsRwamaIk8dc96BE3UA+3FAEGOMZz+FNwSDle9WWjbBz19qY0JBAx+IoASztWuruK0ViDJIEAxnqcV6k8WAI0XAQAAYrzbQdS0PS/ENpLrWr21pCku5nuZ1jAwCep+lbeuftF/B7RpnT/hKRcsM/u7O3eTP/AALGP1poZ658E9IS88YiaVcrbxFxkZ5xgfqQa0Pi7dyXvin7K8rMLdAPmPQnrXmvwQ/az8Jxrqd9oXhS+uZEMaB7mRIRzk543HtXlvxD/bD+IGseKL6XTNC060BnYBpA8rrjjqSB+lVHYT3Pc41LTMSBhRgD9aJ5re2j865uI41A5Z3AH618o33x0+LmuRM1x4zuYkdidtoiQ4H1QA/rXO6hqWr6tL5urapc3Tj+O5nZz+pNMD9B/gT4u+G2gWWpfEPVfFth5luxsrARzCQrIVzI2EychSB/wOvNfjj+1n4L8WeN7f4XeD/7T1CR233hs7XagHXkuVOAP1NcP4ctYvCnwV0DT3iVX/s576bacZeVmcE+p2bB9AK5P9krwq3ijXvEfxGu0DyTXgtYHPUD77fnlPyo2iLd2PeLf4s3emaalpovgyG1giTbEJrkucepAA5/E1yPjP4o+LtYt2tXlt4Y2HKxW4yPcFs4rpdY0kQREAKDjsMVw2v22zerDOaBnkvxDGtyyMbrxLqUkUh+aGS+k2deyhsfpXe/sTfD2CXxDrHi/wCzZjigW2UsSxZ2O48noMKPzrkPH1q00yRwoxdgAqgHk5r6d+CXw6i+G3w3s9INuFvJo/tF+3ZpGwcE+wwB7CperQ0fSf7An7S1r+y/8VJZ/EMlz/wj2txLBqUUCbzFIp/dTAHBOMsCBzhu5AFfqF4C+OfgL4h+G18R+DPGNlqFiV/eSwTD90cA7XB5RsHkMAfavxPuY35EIRQc7GBJPXPpUa3uo+Q9qdQm2yKGkQyna4HTP5/4Ucut0F7qzPuv/grb8SPg7478A6T4U07WNH1HxBb6k88M1pOkstnEq4dG2kld5K8Hrsz2r8mfiF4Wj8H+NG+wr5dhq+6a2QcCKcffUDsDkMPq3pXusqtGxyQM8kY5xj/H+def/HLRGn8Fz6kAHm0+eO6jKjn5Ww//AI4XrXm5komXLy6ny58XdB/s3xIdQhT5LxfMI/2u/wDj+Nci8QAyAce1eu/GPShc+Ho7wRYMMoPHXB615Ybf5TtU9eual9ykZkkW1iOD3rqPg/feR4oSwfOyfKN82Mg1hSwHdx3ByTV7wTIbLxVaXA4KTKR7ncKzd0UtyD4l6R/ZXi64g8raGJwcd81hJEoxkcg9a9J/aC0VbDxirKuPMOcEeozXEfYD0WP6HFOW4lsZZTy5mAbqcigrnjvirN3C0d306jBx7VH5fOeQe2RSTsMg2t97H0pQuB83c8CpfKOM4zR5RJ6jrzxQBFgMRhenT0pACOxHtipvKwcf1pBGQMgZppgMwTyO/c0fxE7ec+lSlD2AwT1pAnIAyff1o5gGhTszxk9c0oT6de/en7BjjA+tLsIPy9OuPSi4EW0seAKCCRnPPanlc8KD+dOxxjFJu4EBGfmZu/JpQhU/eyMVIqHg4HHTijysNn19KAGleDwCOxzU2nQZkMhGdg6H1NM2ce+a0tJthJau/XccChK4GaTJc3bM3IHepQhfkk4z3qW4hFiwBHDnrT9gZM9uxoe4FcqeMDAo2k8Y/E1M0QBzjGO1Js4JxSAi8sjjb9aVFGDhT71IUwpJx060xnZTwlACFcZ/woK8gbce9OhfzP4enbFPK9++aAIWXPA5oCcfdHSpjHkc5xmjy+P/AK1ADYDsfIyATzTL2LAYFefb0qxDZvIN5wADyTTr+DGMkkY7GmrgZHlckYpjRMCfbvVry8OeOB6010zycUARhST+HJpdnboD6U9YuuQBSmPIxntxRddQI9pPRj7UuBk4HXmnCPH+Ip2zP/16fMBCEOTzzShSSMZqXZ8vH5mgx8cKaVwIinHXHrxTdnOAx47Gp/LI7c9qRohn2PvQ9gIdv4/hTWRjyRmrBjJAGPwppjJGePyoA+j/APgmn4nn8N/tDeEdQjbGzWJIDk8HfE2Bjv8AMRX7DDUJZryO9kgQStERKjqclsHjgHPr2r8Tv2LdTn0z4w+G54Qcp4qscBVz96RVr9rbK6jdP3US+aiE+e0o3MO+R+OM+2KVC3tpei/Nl1f4MfV/lEswztMjwlG85U3TB+d4PcjHPQYPpVfT5sXscl5EfPjlV2dyCqAHg89+gwOaL5o4ZPstxqbuyp/pCooJjBwdxABz19qLR4QGXzVlZogIsrk4zznH07V2f1/X9djm2PvP9kW8R7vWo0YYlnEigDHBHHHbpXudfOH7Edw008820DzdNtmZQuPm2c8V9H1wx3f9dEdEvhX9dQoooqiQooooAKKKKACiiigAooooAKKKKACiiigAooooAODRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRR0oyPXrQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAHOKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAryD9oCUQ+JNIfA3C/tyrE9D5q/nXr9eNftJSrba5pM0qjZ9ttySR0AmT/ADmhfxI+oP8Ahy9GeVsquFF6z7i2Xy45B7Y/z+FWHXDmR2ZhCoKlVGMH1yPf/wCvTNRltWfAYKfLBZVYhT+ZwT6cfjUc0EzybtoCFMlQ5B4xnoa6DIY7X9yj7rZii5YAY6gYHPYn0r8rv2s43Hji9BBXOs3nHv5pr9UXmWLduRkLRNsyoxnB7j/Oa/LT9ra1a28YakZYyrJr1yCc88ySH+lc1X+IvT9TenrTaPHc8AH8qazA/ewTmlzwW3np6daRdx6jHr3pkjGTJySR7CmFQef1AqRl2KRzkdARignC4GMY6UAVWj4Lc8dyKY1uN24gke9Wgv8A9fFDRruz1yKAPT/hb4blu/Ccc6TIN68A55+Y10B8I3OCvnxe3J/wqH4Osj+CogJPuhhgHr83/wBeunMJ5JH0OaqfxMUdjY+AvhO5gt9WczREkDgEjjNYPjXwrdtr0jvLHgnjkk9e9d58Cti3uoWzg4aHd7DkVn+PrPyNacbeMk59qc+jCOlzz5PCk/nEGZRhRztNPHhO58zaLiP6c10YhAnGEOCvNSGM53AdPTpQldDOz+A/huWDwfqUfnIS10uQM9Npr6a/Z31628M/DnRLMRGaWOaZpgpwAfPf9a+cfgffCNNQ0mSLO8K6sOueR/Wvbvg/cb9Alsi5DWd7IAAedrfMD+ZP5Vbbt934aGaWv3n0DB8XLMJsOlyjH+0DUUvxRtJBlrJj+Jz/ACrgY5pCQFkYgAHJH+NIZ5QxzLknnBway3NDs7nx/ZSkstm5J7buPpWM3i7VZLv/AEbT4kDZwXcnP4YFYnnzklfMIyevAqMySkkibO30PSkBxP7YdneeLPhj/wATD7Khs7uOWN/LwVOdp6n0Jr5NvfDsKrtF6jHnAVc19SftNX5Hw2nSVtzS3ESLn/ez/Svm2eMMCBgDHIIpRWr/AK6IqWy/rqcXqnhK7nmxFIiqepIOf0psvgiR0/5CEYO3nKH/AArqriNBjdwPyqrcTRxxui85H60xHcfCvwzcp8MLeNpc7TIEJHBA54ry3UvBxN9ORdKMStzt96908N2K6J8NLNJIwH+zFyCeMsSR+mK8uuk86aSZuryEk9e9aT/iMmPwI5KbwfheLoAkd0wKhi8GqCrNecg9k4/nXWPCFTJQcjrUMFuXuY4gM5YYA5JqbPmHsjq/jR4NZ/B+ju12m42UBxs6fL9fxryweCQJQwu8gtxheT+te7/HyEW2naXpkLAeVawh1Oc8IM15iYNs691LDGT070P436h9lHzb4t09LbxPqEOQdl9KB7/MazvsYHQcGtzxYY5/FOoyxnKtfSkH/gRqgsa5yeCPWoj8KKl8TKf2VcEYzz2FDWqnooznHSrgjKknaR+FKEAOzGccj3pklQ2gCnAH0NN+yocswyevTpV7yt3LgDjgCmtGGxtJFAFP7IoU4AGD1PNBtVxtC/U1b2rjHekEbMMcAY5oAqm3BwwUH0pBaAt0/wDr1a2DYVwMk0bPQ444zQBVNsF5K8jrSC3xwQePSrYj3Hdt+uDTjEvBwME9qAKQgAOCDg9KUwAZG3r7VbZMFgR+nSkROm5T+NAHc/AnQ01H+0ZGl27TEBjvnd/hXog8IQ5wtw2cdQtcZ+ztt+06lbq4y0cbEfQn/GvVVjOD8o/xq2mxIwF8IQgZlmY+mRT18J244M7+2RgCt4RDOMEHjvihITkljn14NTZjMJPC1qwy1w/XqAKevhO34Pnuc+2K3VhxnK/QULAjE4UA+p60+UDEbwnarkGWTdnqcEUf8Ilb4UC4bJPH0reER28HBz1FHlkAEvnHHGKdkBhDwnbnBaWTGeuK6P4S+FrWP4o+HnZnO3WrY5PT/WLURiyDn05Nangu7XSvF+mamR/x76hFIefRwTVQSU0TP4WfX3xCtrSLxz/pUvBtQRwMjBH+NYN6unIdu8lSTuAbGP8AOK3/AI5xNb69b6in3Gi8skD157j2Nef30k5c5OccEA/596yK6nzj8XPDttdeOtZu3kkG+9fuCMZ4/pWr+y54bsLf47aBKZJGHnSAgkH/AJZt7UvxOtCnirUkCHDSBuD6qD2+tO+B2pLofxa0O+J5+3LGO338r/Wqp6NClseo/HbQk/4XdqtxKZAy3UDAKR/zxT29K6bRb2d7Rna3x8/Pp2zz271B+0Lpy23xYkupFA+2W8E64A/u7M/mho0C7xbeW0Q4bOc9OOPxrhzKCnODa+yj5nFSdOvU9S3qBgvbOaDbJiS2kAzJznAGeBW/4S8Tam3hHTNgVQNOhAH/AGzWsFrqJ1RsPw+APUdP6g1P4BuIDoh00vhrC5kgIIxgA7k/8cZa832UbbHJVSq0tdbP8/8Ahjov7c1V1x53VcfdHFfNfw+8HR2Vx4p077RIlzDb+YCcEgxvkj/x2vo8Kh4DDn+VePeLLNfh38YP7YmiP9n6qWZy+cEP98Z9mJ49CKuMVZpf1Y6cujDkqU0t7P7j0Cx8MRXfwyhjmnMk1nKrySoAAyyZycfXA/Ksy10G2s7oXUbuxB4Bx3GPTiuj+Hq3NhpL2eoQtLZbjatOpyJIyMo2fXbgj3VgM4NVtT0ubTbg202WTOY5VHDr6j/P61y1Y+9c5KcIKUqb7mbNpVtOxJkYHAB2kHFU7rw5aSSYSV/QkmtNbddoBbB68nmiRo4cKPmbPyqq96z5UaKnCI/4eeEI7vx5pkFtvLfaVBHsOv6Zp/7f/hzwzollcaTpylT/AGRClwvmknzGdzznODtKn8q9Q+A/hG38M2Nz8U/GZ+z2lrEWhDjnHsOpJOAB3J4r5m/a1+Js3jzxnLbE/vbm4+0XCZz5adEjz3woA/DpXVRpXlFedznwEPrWbc8PhgaX7EGjro+ka20UbFLm4iVGL8AxqcjH/AxXvf2WMsOOB0Gc1wH7OPg1/Cvg6G3uYds80fnXIxghnPAPuFCj8K9JEfzjI79K0rtOq2edmjhVx05rqeY6P4RtNV/a01ByZGMfhS3jkCdMl3cD2ODWf4h8H2mj/tgaDHblw/2Pc5Lf9Mpgf0rtf2Z7MeLfjh448e7P9HF2LK3dj1ECLESPY4J/Gs7V4Rr37a80llEGj0axIcg9P9HCn/x+XFd2AVsR6Rf5I7cCn/bMIfyxjf7kfP37VPw9tdR+PHiC8VZTva3Jwec/Z4x6VZ/YY8BQXn7XXhjTLSNi5e8HJ6j7HMTn145rpvjPMNT+KOt3gGQL0x5P+woT/wBlrpv+CZvhuTX/ANtuy1KGMbNHsb+5lx02mFoAf++pVr0ILX+ux93K9j7Tf4NTx5KQkHdkEL9059vrXEftf+EE0r4QarYX2RnwzeFs9h5Dda+pvs8ONvlrj6V86f8ABQO+jsfhtrrCQBl8LXoVc45MTAfzFTdDW5+RB8J2OCAG9Qd36Uw+E9PxkJIcnoW/zxW/JFyMCozCehBJHf0ougME+FtOxgxHPTO+mS+GdNy2YPvY/jOO9bzW4IICng9qjeHKltoznknFUrAc63hrS925oW6924NRyeGdMxsMR5/2q3jCGB2qMDPWojbAYzwT19u1TqBinwtpp+byTjv8xpg8L6Wm4m2JGOAXNbTR8hQAB0pBGdwJHXrgUXA81+Nnh+ztPBy3EERDLeoPvdBhq8kNuDww5579q9s+PrCHwXEoH+s1BAQB/suf6V46y84yARQBUMChcDggckUxoFDFQCfQH/Grbr8vDH3B/nTSpOCCR83HrSAqNbg/KVB5656CkW3YZIY9sj1qyyZwOee+elHlkDaB065P60AUxFk88ELyc4pDbgHIAIPerRj46jHpmmOiqxyMDNAEAiHGRjnvTTCoXjpnk5qw8W1ww5PQflTQh6bge5NAFcwgrkg496BDuGSo47mrBQMuW4/qaQqQOW56HmgCqYQ3zHGM96TyfmDE559asFQMfLyp574oKgtjHbjmgCsYTjOD0PUfjTPKx8oPX3q1tCjp09aayhQWIHWgCB4RwNvH0pphx1HJHpVgrwM4/CkKbjjkk0AVmt8e/sD0pPJDDOMY6irPXBx+NIQQOnUUAVfs4bAK5x0NH2fktjkdParBXswI5/Kq2oatpOmIG1LVLe3GODPOqfzNMBvkMDk9Pamm2AyNvPpWNqXxa+H2m/JJ4gSVvS3jaTP4gY/WsG//AGhPDkOV03RLuc55MrLGD+RY/pRcDtvIUknaBnvTWtsNk8exHSvLr/8AaA8RzN5em6NZwA9GlLSN/MfyrC1L4q+PtQyH8QyRqf4bdFTHtkAH9aAPa2jRTuZgFHUtWXqPi7wdpilb3xHaKy9UWYM35DJ/SvDNQ1bU9SfzNR1K4nb1nmLH9TVdQO4yKQHr2o/GfwLZk/Z5Lm6P/TKAgf8Aj22sPUPj2SCuleG+v3XnuP8A2UD+tefbRgj0HJpAO360AdPffGTxxdjEE9tbAdTBb5/9D3ViX/jHxbqhIvtfumXHKrMVB/AYFUwuCQCDntQFGeOnegCfQdOXVNVSG4d9rhizDqePetpvAWlhjmSb2ww/wqh4SwNet8Ec7se3ymu1e3XGR/8ArpoDsP2fPA2mxeH9SlFzNj7SoZdwz0OO1cNrPgrTpNYvHaWYZuX5JB/i+leq/s9yAWWrWyqGfzIztPoQQa4/xFZiHxDexbCMXL5Gferj8InucjZeB9NW2U+fMPl9Rx+lSr4I03a2Z5vY5H+FbVnEnk7WzkZBB+tSiMKMYzxQB7J4t8J6cfhvbiO5nPl+HLeKIcHOIEGentXM/sta34Q8D+BH0y+hvpHkv5JGeIIRngc5I7Cuu0G6bxD8MrQsQSLAQFAvQqCv9P1/CvA7R20e/udObcDHOykjg8H0/Cj7K8gXxM+ktT8a+D9SUrAmox88b0Xv34JrmNch8P3gZheyrnruUAV5nZ6ndvCFg1GYZ6gSsM0rZkz5jEkHuaSbGeifCr4a+H/HPxS06E6kksdjm6mXzFOdhBUY/wB7bX0neaDpcRG65fK42HC8HoOvrnivlP4T+Jtd8FXtxrWhNHHNLH5JkkjDELnJAz+Fd2n7QXxHife93ayEH+O1HT8D/nFC3DoezyeG47sM0LsQpIPzL179O/1qrD4LJlEjyuQ3y8kY/wA9K8mT9pb4iQEt9n0+Qdy1u+fz3026/aa8eNGFh0zTlbOfMETk/wDoWKYHsDeCIiS0N+FD985z25/SuW+Kfgq1HhDVoJb1/m0i4yRz/A/FVfAJ/aW+JiLqFhJZaZZcGO4vLTarj/YUgluuc9PetP4k+BvGug+EdSuvFfxLF6XhS3WCDSo4VYyMEI3EkkAMTwBwKcGuZCl8LPnz4i+A7Z/BdyJL1+ETjHQ5FeRt4EtiPkvX6c5XmvevizcLD4VkgYgGWRUQZ9OTj8q8raMleo/Kh7IFuzkp/AsAI/01hg8/LTtB8ERprsDJfuG8xcfux1yPeujmi3NgDoexq94C03+1PHOn2CKSZruJBjry6ipew1e5t/tPfDW3h8c2Vut4csIgQEzj5V965I/CFTy10w+sX/169i/adt0vPjrb2ESqQk6DA64VAf6VXbT4gGLJ09eKp6O3khLb5nzb458IpoN2zrdF8SlcbMD1rnvKPU+nYV3vxmIGsXESjI+1tjn0JFcQR3zUSVmC2IPJB6DFAiX0FS7M96XYMnnmpGQ+UeuPxpPLB4OMVOy5ONvPfFAX14oAiEfOOwpBGCMAVN1+92PU96Au0ZY/rQBAVz6de9Hlg4Jx+FTFNx4wD2zSBcfwjHfFAERQZ6fWk2nGeamC4Ab9KbtwPl4yeeKAGbBjoR9BRtKjjp71KVwME4A9KTaSxJ/DmgCIIcZGa63w74Sku9EjuVvABIC2AmcfrXL7SDgCvSPAbifwqhUDMZxwe1NPUOhzereC5pJFAvxhUJwY/wD69Nt/BMpjyb9MZPBT/wCvXSvFJcSb3kwMnI7mn+ViPGOnQA0MEcyfBM3a+X/vj/69N/4Qi4JA+2pj1CGuoKZAxjjocmgJu4IxjrjvRoBy48HSROrNeIRnpsNMn8F3bZJvo8e4rroktxIhuIi8efmVTg4/xqXWNL0uONbjRdaeZSeYZYCsiexPQ/hQrMDkNJ+Hl5d3ToL6LakDO5APGBTf+EJuSCBeofYKa6y2kNtaSQRjBlP7xj1YentUYiwTkYGOKNLAct/whd2Dg3kfHTg0p8E3xxm6iA+hFdP5bZ5GDjpQyMcetIDBsvBd7swLqL73AIP+FGs+CrwIo+0xZGSev+FdBbllO1VGCcZH+NO1M7iqcEBR82e9UnoJnDt4MvmORcw9ffj9KaPBd9k4uISe4Oc/yrqynzYz25OaDGMgqvTrxTshnE6lotxpQRZ5I2D9NmaqBD0roPGbDzYIiDgKTj8awyuAKlgMCgdiPUYpNnGMcVIB39TS44x7dxSAj8sDqP0o2BeffpUnXqO1G3ufyFADPLGMkfSk8r3B+tShcds0FeORnHagCLZk4GM9qTysjB5571KFyOPwoChRjHegD079k60d/ihorBeB4m00dOn+kLX7X239o3RWzjjHlmNUdtoLMh5JGOgH51+L/wCyDpkt/wDFDQYYR80nimwUHGekyk/zr9pIHt7eCBHDpCCFPlxr94Y74H5H+eaKH8eXov1LqfwYrzf5IjktY4ryQNpjrJIRh22naB0znBweP881bRVgjt1s5clm2swXdkcHueozj0qvHd77idpJWYyksUkwwYE8EYx37U+6kF07zSHM6qVCyp8jLxkZ5547126Xsc3Q+z/2GJJGvrlZI8bdPgXLDBOF9O1fTG5R/EPzr5m/YJtyHv5MZ2W0SE/QGvprA9K4F8T/AK6I6ZfCv66sTcM9R+dG9cZzS0VRA0SI3Rh+dLvXJ56UuB6Ck2igADqe9G4UtFACbuOQfypN4255/KnUUAM85T2P5U4uB1B/KlwPSjA9KAEDZGcUE47flS0UAJv/ANk9aCxH8J60tFADfMb+4aNx64P0p3AFFADQ5xkoR7Uu44+4fpS0UAJlvQ0ZOfu/rS0UANJbOMD86Pm3dOPrTqKAGlm/hA/GjL45AH406igBpaTHCD8TTSs56Oo9PlqSigCMLPj5nXPqFpDFIf8AlsQfbH+FS0UARiBsYaVj+X+FL5Cf3myP9o0+igAoppkA+XBP0FHmL6H8qAHUU0yYOMH8qDIo9fyoAdRTRKp7H/vmjeOnP5UAOopokBznP5UCQHsfyoAdRTfMX0PX0oMijqD+VADqKb5q+h/KjeM4AP5UAOopokBBwDx7UbwB0P5UAOoprSgHG0/lS7x79fSgBaKTcAcUjOB6/XFADqKTdkdDSb1HUH/vmgB1FN8xcZ5/KjzF9D+VADqKQsBzz19KNwI4/LFAC0U3zB6H8qPMX3/KgB1FNEgz3/KgyAHGD+VADqKaJARnB/KjzBnGDx14oAdXhP7aV/8A2HpWlawVOEvFyRjjB3d/pXugkGQPXpxXiP7d+m/afg3JfqGzb3CMSo6DcB/I0r8tSL81+ZUU5KSXZ/keeuJZ5ZxJsRVkJbeQdxB6ZHSoGOESZJWUO+OhKj2B9PfFM07UotUsbG48syJNBHKSxz95AwyM8HJz70t0s5uSFj3MwGxoUyM+ldTXKzC6eo+WJS0l1hV5BWItx+GK/NL9uzRX074h64gTGNaEj8/31Zv5uK/SvzjHbBLoKg35O9MlR+Gea+DP+CjXhor441W5tY2P2iyiuTgcDaeffpHXNWVpJ/10N6Xwtf11X6nyEe4QdRzQxyQC2PTBo4U5Wgnphu/4UEiEEkA8Z7mkOSOVzz1x0pTkkYB5Hc0IPn+9xQA0cAEY5/CggscHB98U4vj5QOCcZpTzwGyO4oA9Y+AN8k+hz6e2GMcrHBHTI4/ka7hlxxnOeuK8o+BOrmy8Qy6fJgCdAygHqV/+tmvXpItszJg5z0J7Vc+jJj2Nv4RXp03xskMjYWdGUgng8VtfFPSfJuFuUBAY7snuK4uwnl0nUrfU42I8uUZIOMjPtXr/AI10qPxN4KTWrKMFUjViNv3Vb/A4FD+BPsNfFY8lYA7ZOm008JlR6d6HjPzRsTxkEUR/MoyvI4xS0GbHgXXJPD3iW3vN22Nm2S/LwQa94+Hmrppvidt8qiDUECu+4YEnVf5kfjmvnHacklu3WvSvh54vOr2CaVdzL51vwCW+8KtO6JaPpS0fcGjbqD6dRUhVj16/oK5bwL4wGrW4sL2ULdxL94nmUDv/AL3r+frjqBOZBkY+lZtWGncRxlgxJGD0zwaildkV2BC7RwwBNSNt3ZdsE9BUbjcCrjPsRnNIZ5D+1ZqEkfhSwtFJBk1DlcdcIea8Fklk2n96M9hjrXuv7Wklp/YOmW7j9+bxivzfwhTk4+uK8FmYD5gwOBk0ovcqWyKty+9/mPbuaueEtAm8TeJLbSIQdruDI4XIVRyTVPY91dLawI0krthERc5NereC/CsHw80GS91BlF7cR5m5B8teoT/GtI2WrIeug34o6yljpQ062G0ACONQP4QMfy9K83IUkhgDgcD1rV8W64+vao1ysh2L8sYzWUwAOBye3OKFfqPQgmB+7xyRyDzWl4E0VvEHjjS9GRRia8jVsHOBu5qiQd7dAAP1r0D9nbR0h1fUvHN3DmLS7RvKYjjzW4X8cZP4VUPdlftqTLVW7kH7Qepx6n40eCMKVhZuNv4D8OOledXzxQpJcySbEihZ2J4xgGt3xbqx1rxJc6gwOGkIXIGfrXE/FPVX0fwRqVyFUNNELdFPXLnBP5E1j9k0Wsjwa6lNzcyXDnJkcsST3JqPBPO0NxTiNyjD4x70YHdiB37UyRpUkfMTxQqjdkZHrzSgE/MWxkUrADAB+lADRz6+wA60NtXKspFKQxIypA7mkbqDnI96ADIbr17UZUk8jHcYxSkAAHZ9MUEKQVB/DGKAGMoBx2J9aNoAAU8Z79hTyApIxx04NJznBz+NACbVyMfkRSbd3GeT6CnHkbTj2OaCXALFe/pQAFMEJ39SaEXuDgdMigg9XX8s0EA46cUAd1+z9cCPxZcWxkP72zIAHchlP8s17KQNh3DJPHzACvA/hLqEem+PbCWQ4EjmI/8AAgVH6kV7/gZBCnpnGBWnRCW4xVAXkAZ6YNKEVU4OeOeDTxj+HIx7Uq4Jwp7+lAxAnAOCCPwp+0c7znnrmkyF6EHjjinZIHIxz09aAEVACVIPtz0pce3Ge1KM5GOuPzpQDwGweP1oQCBQOuOlOhZopklBBKsD09DQp3dQBgdKX+IyD8R60LR3E1c+0vH9ynir4faP4piXcbmwguDjr8yDP86831GLKklCC3U9/XjPSuv+A2rp44/ZxsbSVzLLpry2UxP8ODuX/wAdZR+Fc1eRlH2OVGwlWUjn8qmStJiT2Z4v8YNN8jX1kXlJ7UbWPcjIP9K4jS7uXSdUg1CA4kt51kRiOhU5r174y6IbnSU1UQ4+zzAMwH8LcY/PH5V5Hd25WdlTd64PNJO2pTVz6j+O8K674S8LfEXTl3QzWvkPL0OcB0H5BzWHo8ymHMcQAZQMgir/AOz/AHr/ABS+AepfDeYq2oWPzWILAFih3J16A42/QGud8LSs0JtpPkeGTDoQcjk8c/TGMVGMhz0FJfZf4P8A4J87mlJxqqff81/SOhZPMjILhcrgPjPNV9NuW0bxSssuFg1RBG/PC3CA7f8Avpdwz/sAVZjOMuHCgHkdumKq6lapqdpJaMzJv5WZeGRxgqw9MHB/D615S3PMi1qnszqcA9MHHrWD8RvA8Pjrw82m7/Kuoj5lnOc/K2Ohx2PQ/ge1WPCniL+1on07USq6hagC5jHRx2kX1Vv0OQeRWycZ4B/PpUtuLMYyqYerzLRo8k+GPxt8T/DO7uvAfjSMJE8Zgf7dFvQjqocAg8HDK6kHuDgnPbWPxMuILdR4i0RngJ4vLKM3Nu3v8oLJ75UY9TU/jb4d+GvH1r5Ot2hEyKRBdRMA6DrjPQj2Ofb1rza7+D3xS8Ey+Z4K1o3cAPCpLsbHujHH5Maq1Oeuz/A9JPBYp83wye/RX8melL43+Glwm4a/pagngfbtp/IvkV1HgzWvhBp6nVtRv3vWQbo7aytJGSTv/rWAQ/8AfWK8FOv/ALQEKeSNAumYHDSHS2J/DAqvJ4d+PvjVxHeJewQsQGV8W6gcc/Mcn8AaXsH0svn/AMAmpl0Jr36tl/i/4B6b+0L+1hJqif2DpHlqsPFpp1u+UiOMb3bjc2PwA4A6k+c/Bv4Z6n4w1s+N/FiPJaibzUEwP+kPkkAZ/gB/Anj1x0fgX9m/SNInGoeLrpb2Xr9niz5efVieX+nA9jXpKxxW0KwwRhFVQERVwAB2xVrkpJqOrfUTrYbCUPY4Ver/AMjo/CFrssXndfvucemBVT4s+Mx4A8BX2uwHN48fkadHjJe4f5UAHfBO4+ymtjSkjsNHj85giJFukZzgDua8105r348fEu31SwTfoWj3Ji0SNjhL266NO3qigcH0HHJIrnjHmld7I8GlGM6zqz+COr8+y+f5XPWP2VvB0Hw1+FfnatMEZIt93NIeN+C8j57jLYz/ALBrzX4C339ueL/Gnxkv49kE88ojZ2+6pYzMOf7qiOu9/aY8Z2nwv+DieCNHmzd6rGbOAZG8xkZmkIHXOcfWTNedeKUk+EfwEtPB7MI9R1Q4ugMBjv8Amk+uF2oT7ivWwUGqUqr+1ov1PX4cozxGJnip9X/X9eR5PrGoT6jf3esXIG+4meaXHQFiWNfQX/BG7wbJqPxG8bfEyZm/0PS4bBcjhmuJfNY/UfZx/wB9V8xeL71bDQ5Ah5m/dqMdj1/TNfor/wAEwfhbP8OP2WNO1TUbZo7zxNey6rKJFwwibEcP1Uxxq4/66V17Js+xe6R9E18cf8FPPFi2HgDXrRbnBkt7a0iHqXkUsP8Avnca+xZHSJGkc4VRljnpX5t/8FOvH66teWPh6ByftuqTXjeyxL5a/gd5/wC+az6lHyEyhcg9famMikglR14qTB6jnjqBTTg/wnp6e9MCFlYjpkemajZeSDk/Q9KnbIwcN1J4qJxJjAOTj1ovYCBwVYHAPpzULoRkE5GO9WCpLYJNQygM+CD689KsCHYkWSQCSOmajVSTk556ipHGA238fT6U1jtwGIx6etSwPN/2ibwR6Tp1hnmS4eQj/dAH/s1eT4G4KW45zn/PWu//AGhtSW48TWumxuD9mtNzYP8AE7HP6KD+NefZyvNSAFwxAAPOe1MbdjGeelKWyemcDp0GaTdlhtU578+9ADTgYHX9aRwAOTyeopzEYJYcc8VGQSAcj3zT3AU8dQwAFISf7vPcd8UjMWGQcY4JpJMgdAB796dwEMePujJHTJppwgypxk9qQHpliaXJAOAR/OpARmVcc8sOKacEg4zjqRVa/wBa0fSR5mpatb2wH3fPmVOPxNYGp/GP4daWxE3iOOUqeEtkaTP4qCP1oA6fjOAcgdwKZnIIz27jFed6n+0h4ZiUrpeiXk57eaViU/kWP6Vg6j+0d4mlYjTdDs4FPAMxaRh+IKj9KAPYiSO3I+tRyMiIXd9oHVmOK8B1H4w/EPUtyy+JHhUnhbeNY8fioz+tYV/rOq6o/manqlxcHsZ5Wc/qaYH0LqPjzwZpYYXvieyQjgotwHYfguTWBqPx58BWX/HtLd3ZA6wWxUZ/4GVrxA5J5XnHWkXgHAOMf0pAep6j+0gNpj0rwvkdnuLn/wBlUf1rA1H47ePL35baa1sx6wW4Jx/wPdXFkg5GTxQGJ4IOO1AGtf8Ajrxhq24Xvia9kVuqCdlU/wDARgVlsWkYs7Ek85JzTCSB356UBgG4Ix6d6AFGcfMP160ds9PTNIzHp3HvTc9uDQA4MM9PxoPIzwcdqaCBkZJpNxJG0ZGeuaAF4AySTmlJRh16ds01uoJJPsBQGCk8dB1oAcdwOTxxxzSNwcfpTdxyeRgjjI60q7evXIHWgBwwehwM9cUm1QflJx2FNLY4x26GgMmc5yeaALmjTi31e2l5AEygn0yea9DTB4LZ45JFeYbihDBsHOR7V6Vo94l9YQ3K8bowxwR3FNbgdz8B7/7J4xuLDP8Ax8WpK9PvA5/lmmfFWx+xeMp3wUWZVkUHp0/+tXP+GtVGg+JLLWVzsiuAJBnqp4NekfGjQ/t2i2nie2UMkTbHIbnaemf5VceqE9LHmVum2SSMAjLbh9DUu3HCke+OOailGwrc5GBw2e4qwChAYcDHXFAz0D4MeIAbS68OTvyreZACSCQTyPz/AJ1xnxl8MS6B4pGswg/Z74/NlfuuOCPx6/nUek6rcaLqUeq2rrviY/L1BHcV6jqNlovxN8LGGVgY7qMbTjLxOOhHuD2oXYTPFbcgKWDdTxjvVlbqdVKLMfxpmtaDqvgzVH0PW4CpX/VSfwyL2YHuK1fAOl2Wu+NtK0i/lZILq/iikZDyAzAcE8Ur2GtTofCmnancLbaVZ7nnuJFBBXgM307V7d4Q/Zclhu47vxh4gjmgI+a2s1IBPu5wcfQV33gX4c+G/AentZ+H7WXdIwaWaeQNIx+oGPw6V00VugAkZD7KB6kHkDqeP0o1A5M/s/fCaWMRzeFwQAEWRbqQEn/vr8K1/DnwP+Fnhy6F1p3g+2aZT8styTKwx3G8nH4V0FpCRHtwNo7Ecj86sR7UTzUwSON5Oe5/xND2AspIlvEdh+VR26V478fPFX9paxbeErd1K2Z+1XpDZxKQQifgpZj/ALymuw+I/wASIPBOkhYGSXUJtwsrMn72Dy7dwg6k9+g5NeAeMfFTaLZXOq394811cuzs8gGZpG5Lfn26AcDiqgmlcl6s4T4vawLrU4tKicMtuDuCf3q40gZ4bHHerd7NPe3L3twS8jvuLGqsnyoWzgDtnvQ3djRXbBkOD/DXoH7JnhkeI/jjpHmL+6tJmunYjO0RIX5yPUAc1wM5VI8se1e5fsy6Ungb4WeKfiveDZLLCNOsWKZJZxukI+g21LXM1HuNO2vY5TxlqbeMfj1fas0wcQNLKGPYk4A/U8e1asyokZklY7FBOT0wO9c58PM313qXiWV8Nd3O2M7eqr3H45/KtPxvqUek+GbyUNgshiQHqS3H8s/lVt802yV7sEj57+Jl6bvVgWblndzn3NcwSM4J6ds1p+KrwXetSsG4T5Rj261mDJ9evas5O8hrYVSCfx4zQDg45pDgjIOaTJ9QfpUjFJ3DJz9KQHPb8cUYH0zR688+lAC7T0PrRgknijORnHelyOhIOKAEHfJxx1FHJAHv6UmewFH+1gigBNgYdfrmkAOemadgdCOvSkwc8Y69aAF5PfPoaCoAySc5owR0NBy2C34EmgBFGTk8/jXafDXUlW0lsiR1xg/nXF9M9uO1bHgy/wDsmriFnIWYYB9xyKNho7Rl8m6MWc55FKQRywycHHNWore3vkWXBLA44zkGo7q1lhUMpyMfNlcYqrXEQgICDj8+1IY1PzAHk0ByXCOMHsR3qQKUGecjg55pARmLJIGfbHPNCxhUx+OOlTMrKcHBPfNNwAc5z6mkBHgkYKnOcdKaynfkLg9DzUrIc7gSc+lGCeoB/HrTAjKjJzgnPQd6AoB6ck8ECnErjIHep4rLfH+8JDE/Lila4EEcJzljgepFQXhLtljn6VeuEFtGEYc45z1rPmclgc4xzVbB1IiN3y8DB7CkwfXPpinnPJAAPrUV5dJa2j3UnRASR607agcr4qnE+rsqkny1Cgg1m44zu6VJcSNPM80pyzMTk96aenP6VL3EthuBjJP4UuPXmgDt2+lKQO1IYhXj5vxpQM4wOaOvfvQcZxnkDmgAxnOB+lKTkcjtQOOlBOM5/nQAAc4x1pOP17Gl2nrmmkf5zQB9B/8ABP8A8Py618aPCtmiE+d4h8wEc4Ece/P/AI7X7BzRLOMu/wDq4MblcbWH4854/rX5f/8ABKnwidV+N+izT2Ujix0u5vA8aZKMWCqenHDnmv0+jeSzeSS9CBWITDxjjHB9SM89P608Or1ZP0X5v9UVW/hxXq/yX6Dt8ZuvP06NAzRqg3O/OB6cEfXipLWbEK2TNGrGXdM2O5OOo6/l+NVRPm5MlioZIyHaUoSu0dDggH8K0dOt7abWoGliCQu64ji2lSc5yR2GO35V1PQwWrPsb/gnyWu9J8QXrjhNS8pWJzkBF/xNfSVeA/8ABPTTnt/g1NrNxEyvfapcyAsOWXzWCn/vkCvfd4PTP5VxR+KXq/wdjontH0X5XFopocEkEH8qQyAcEd/SqIH0Um8f3W/Kk8wehz9KAHUUwSAjnP5U7eMZGfyoAWimlwBu5x7CgOCM7f0oAdRSFwBnn8qTzV9D+VADqKb5gzzn8qN464PX0oAdRTfMUDOCfoKFkB7H8qAHUU0SDAOD+VHmA/wn8qAHUU3zFz1/Sl3gjODx7UALRTTIuOh/KjeCRwfY4oAdRSFwDgg/lSbx2FADqKaZABjB6dhQZADjB/KgB1FNEgP3gR+FHmD0P5UAOopvmr6H8qPNXBPP/fNADqKaHBGAD+Io8wd8j6igA3Bv4T+VBOOi9adRQA3cc42UFyBxGTzTqKAG7jj7hoDH+4adRQA3c4x8h9zQzEdEP4U6igBp3dh196OfT86dRQA3Mn90UHecYAp1FADfn4O0Z+tBLnGVFOooAbk4+ZRz70Df6D86dRQA0hz3oIfHykZzTqKAGlWPUj8qAJPUflTqKAGBZO7L+C0oV+7D8qdRQA0BhjJ/ClAb+8PwFLRQA0q3ZuntQUJ/iNOooAbsYdG/SgIf4nJ+tOooAaFPPzUbTn734Yp1FACAepJ+tefftReHpvEnwQ1+wtow0v2CRoh/tBSRXoVUPE2nJq2gXmnSLlZrd1IPuMVnVTdN23NKTUaqbPif4I+IT4o+HGk3ru85iUQuSpHKEqAfwxXWTy3sCymGHjOQY26Htyp+meK8t/Z6nvfDGueLvhnfRtG+geJJRBGQM+UzErxjGNoU/jXq4NzPKWVJIgn8AwFGe+PrXfNqUuZbOz++zOWMXC8X0uvudiK0nRi1rcA+Yoz+7yN2QepJ96+YP+Cing2G403S9YC4SaKW2n+UZwwyOcc/Lvr6YkZJZNl8flDbVfnDHn07np+NebftZ+CY/F/whv3tSf8AiXKJ4EVTxtHz/wDjpYVz1leNzak7St/Xc/KGZHt53t5o9roxVlbgg9CKQKD1IzjgVu/EbSZdH8X3kci/65/OBPfdy3/j24fhWEB8xHQ55GazTurjejAlVU7uPbdxSDaSc8nsTQq5GQoB74704n5cs3buM0xBhduUB5GMetJgqSSeo7nNGBgAHGR2FOKjvu+uf1zQBb8NarLouvW2pIWHlSgkK2MjPI/KvqDwXpB8YWiS2Uqu20Zx3BxgjHXivlIq+SyuT9RX0V+xj8VbHRNdtLLW3LQRuILpT/zyY8N74P8AIVrTXP7pEny6nsdp8ANV1nSJIkhCu0RMbbTncBx+tTfAzxIjrL4H8TwkG3d7e6gZPm2H5WH1Bz9K+ndJ0KwSFLmzEbIyAxuoyGB5yK8B/ae+H198NfG1t8X/AA9b4sb2RY9TWNSQkvQMfQMOPTIHc1F1Gdns9P6/ItLmjdbrU8x+J3gy88EeK7rS7hSVWTKNjhlPKsPYgg1ze5YiXwQpHNe/atpNh8dvh2LjSgZdY0u3LwBVy91bDlk9S6dR6jI9K8IubWS0ne1uVIKnHPcUJOL5WPRq6GHOPlGT1zipbG/utNu1vbRyjqegOM+xqspMTiNgcEfK1SlTjkDHc5qvQR6Z4O8f22qqpa6MF2uDneM5HdfevTfD3xYMEa2/iGJ5FGFF5bxnIH+0o5/Ffyr5mRnSQSQsVZeQynBrpdF+JWsacgtr4tMnrnB9Pxp3Qtj6k0rxNousRCXS9UguRnny5QSOOhHUH2wKZ4k8S6L4X0ifW9bvY7e2hXLSyHv6AdzXz7a/EPw5qBEl2NsowAzjaR+P+FWtU1bwXroQatOLoIDhZ7p32n2DNUNN7DTV9Tk/i78WZ/iV4gW8jgMdpbFo7KJRltpP3m9z+lYuheCfF/iuQrp2mSJEThp5flQfia74ar8PNH2yW+m2aMOegYj881U1T4r5Qw6bExA+6B8qj8KFFRQNtsu+F/B3hn4cwnUL26S4vAnM7jiPj+Ef1Nc14w8a3GtSGzs5WEGevQsazNW13U9bmMl9KcHJ2JwP/r1QzgBc/TJpvXcNA2gfeH60xuPTJPHHWnySbPQg+1Mww+ds8DHPamBGIXlZYIk3MxwoHcmvXPErR/Cb4U2nhRMR314guL4kZIdh8qn6D1rK+CPgmANL8RvEtpusLA/6KjggSzdvTIHBNcz8SfGN14x8SzXkspZFdtqjvSlpHl7/ANf18hLV3OcmkOAzEscdfc15X+0Jrw8+y8LwsB5YNxcD/aPC/pn869Pvr22sLOfU7+bZBbxNJKzHoAK+dPE+v3PijxBdazdkhriQsFJztXoo/AYFZvexa0VyiOQArfhmkAxliASCAc0L+7Od36UHjgHqPTkUyQIDcKvA9s8UbRwSQfb0oBCglFHuBRtZ8hfTJoAXp97J59KRyo5PAJ4OaQEAjoTj1NKwcgHA9+KAE284Y5GMAigsRkAYAPGaGIQcfn0oYnGQOvYUAKrFV+bnHPXp70MAcsSenGDSAKvYZB6gUMW3Bg344oAFYjBOBz1oLFmLFj/jRuXnB69yaTaPvFup5J9KAEJ6kjPORxThwOW6njI60gJ+6G/EHGKCRgAsR160AS211JY3cV1EzB45AwYdiDX0romoLq2lW2qQqQtzbrIobqMjOD+dfMe8bjwOehNe3fAjxAmqeEP7KaQmawkKEE/wscg/zH4Va1jYXU7YEj5NmOfzpykkZwefTpSAFDknJPoafkH7pPtk4oTuMEZmHJJzzinKoAAxwD0J5pE6jjr0pcHgZ456UwFBGct39Wpw6ZIyD2zzSAAgHmjI4IOD2xSuA4ArgsPpk0DPtkUDAYEj9M0YwcjPHOc0wZ7z+w54xhi13VvhzfSYXVLUT2uW/wCWsecgD1Kkn/gNelaj4Hv9R8UXOmWan96BIEC/gTx7/l1r5U8CeLtQ8CeMNP8AFumN++sLpJcFsBgDypx2IyD7Gvvb4ZeJfDr+OfD3xAjaOXSdQCF2kA2eVKMZbIx8pIYg/wB00NXs/kRflMfwx+xvrXxC0qex1OJvIuIWR3lwuMqcH1B6fmDXyje/BDVvBvxo1H4N+Nkjjv8AT7toN2fll4DI6+zoQw74Yd+K/XiKKKBBHDGqqOiqMAV8q/8ABSr9nq78QaBaftE+CbR/7X8OIqassCuzy2YbcsoC5AMLFmJwPkZizYjArO6T12LSurHkvw1+GMvw/lXWtEi2yphjGDjeO4P1GRXP/G3wm3g/xRF8SPD0O7SNdYmUAY8mcj50OO55I9w3oK9G+D/jrTfiX4Qt9YtCiXKKEv4AOYpcc8eh6j2OOoNa2u+HtIvNJu/D3iS283RdTGLnb1tZcjbKp/h5wc9iM9M1rFqLals9H6HNiaEcTRcH/TPF0t3WNJoxuSQjZInIIPT9KbJGGyjKCM4OTw2ai1DQ9R+EPit/BXjKTdY3OX07UVX5JEz9729CvUHnoQTcubVY33pKpjkXIKHgjHGCO3evKxFCVCfdPZnyE4ToVXCas0ZOo6f508d7p9y1vewEi1utuVwQMo47qeOPxBBxWpoPi+HUrj+yNUh+x6ioy1rI3Ev+3Ef414+o7gVEjbFKkjBzk/WqmpaRYarF9l1O0EyH5kJJDxf7SMOQc9DnPvWGjVmO8Zq0jqgy4+ZOSKXdxjJ4rj4bzxl4dJjs76HWIFH+ovH8u4UdgJAMP/wIA+9W4/iVpVuANd0rUdOYfeM9kzoPo8e4Yo5exDoT+zr6f5bnSlsjnOSOhpA/bHbqaw4viX4ClXcvi6xGOzzhT+TYqO4+J/geJtkevLO/9y0jeUk/8ABpcr7E+yrX+F/cb7yMB8vBqB7qws/9M1S+it7dCDNNMwVUXuSTxXPS+M/Eerpt8LeD5wrcfa9UYQxr77QSxH5VHpvw9uvEmoJe+MdSfVZVfdFbKpjtIT2wvVzyRnn3IosluPkjCN6krem//A+Za8R+KNZ+NMx0HQI7ix8LbttxebSk+p/9M4wcFY/U9x1wMivavhd4T0b4d+HH8SavFDYxwWZKxt8qWkAGTx74yT3/ACAoeBfAtlosa634hSNfKj4VwFSNQMknsq98fma8/wDiX8Qtd+P3iVfhZ8N5SmjwyBtRvwDslAYfN/uA9B/EeemDWlChLEz5I6Jbvt/wTz+WpmFSOHoK0V/Xzb/qyINDu7z9oL4wTfEfVoGj0HRZQunwy8AlTlB6Zz87fUDkYrz741/EaPx54zkuLafNjaZhs8PkMAfmcf73X6Ba6/45fEXQ/hV4Rh+C/gBgLjyNuozqRujQjJyR/G+cn0B7ZGPn/XdZEVmbOGTEko+Y46CvYbiklFe6tEfoGCwkMHh1TidR8Mvhxq/7Qnxu0H4R6DIwF7fCO4lHPkxD5ppSCedkascd8Y71+weiaNpfh3RrTw/o1mlvZ2NtHb2lvGMLFEihVUD0CgCvkD/glj+zwPh/4Um+Oviu3I1bxHb+VpMUg+a3sdwYucnrKyqR/sqpB+YivsSCXzVB3Z459qUtFY6lq7mF8VvEq+F/BN3fBwJJE8qL/ebivyN/a08dJ47+NOpPbyh7fSwLC3Iz/wAsyS/X/pozj6AV96/t+/Hi38C+Fb0W1yA9hCY7ZS3+su3GEGO+M5I9Aa/MOaaS4laSYlnclmdjksSeTmoQyNlO7eoyR9ajKqDkfiSKkIGNuDn0BxTGUA4AOMZ4oAjZgufSo3AHIOOew7VMyru3EcEcgVG3DgZGe2T0oAiZgxwR37Gq78j5F6AZPpU7AEgheM88VDJlSeSvJ5xWgELjcCQM55OR+tMICjAxjsAKc4RhuJx6GuV+KPxK8NeAvCl7qGpeJbG1uBAVgW4u0Rt7cLgE54Jz9BUtdQPHfiJra67401HUVlDIbgrEVPVF+UH8gD+NYjSEg5APsOorltT+NXwz0tysviaOZu620byg/iox+tc5qv7TfhiEEaToN7cEHgzMsSn6feP6Ukrgell1xuJ6ckEdKaSAAQcY9R614pqX7TfiqckaXoNjbr2MpeRgfrlR+lc7qXxq+JOqh1l8Tywox+7bRJGR+IGf1pAfRckoRcu2NvUnisTU/iF4I0fcNR8U2KFc7kS4Vnz/ALq5NfOGpa1rGqtv1TVbm5IBw1xOz/zNVWIxg8EnmqvcD3jVP2hPh5Y5S1mvLs4/5drYqP8Ax8rXP6n+02SGTR/Cv+7Jc3X81Uf1ryYk5/kQaTcT938eKkDudS/aC+IV7n7LcWloD3t7bJ/8fLVgan8QPG+r7hqHie8ZW6xrOUU/8BXA/SsViMcED0o3EE59eaAHPIXYu8hJPUt/jTQe3qfzpOW5JxzyaAwyGB5PFACk8cnjoM0ZBHBHXtTQ+48EkfWkJOMZ4zzQA8k9ffqKQnke/YUm/PPAA9qCSDkdQPSgAyDxnBoJ3H5s4+tISP06mkyMYz+OKAHF8KBkYxwKTPHY01uDtx0Heg7scn6UAPIIOMfXkUgPOMYpCSCdxyMc0hwDk8fSgBxLYBzn2poJHJHPrSe/OT/Og5xyp59qAHbgDjPbtSA469qQZx2x+lHJAxj65oAN2MgnvxzSBuOuOaM46noaM+nWgAVhnAOMdOaBwTnGMc0Z45UfgtN9moAcCTnP449KTkNleSaCee/TkgUEkjJyeKAFPLAbT7cV2Xw91AXFi2nscmFvlBP8J/8Ar5rjOoyf1q94Y1b+yNXjuWOI2+SQex7/ANaAPSWQyKV7EYyK9m+C+o2XxG8JS+CNXmHnGIwKG7OB8h+h6fjXjEL7k3K2ePzrY8DeKrrwV4hi1iHIhdglwB1C/wB76irvbUNxNd0a70DVbrQNStyk1vK0cisMYxxVS3lYZt5nG9cAHsRXv3xp+G1r8WPhjF8dPBNoJr7TVSLxNaQjJKN/q7kAfwt91j2b/eFeAyRtP86jEiDg57elU11Ql2Y84xnGMnpWt4Q8X3fhS8yAZLaQ/vI/T3HvWTFItwv3drA/MpXke9KYg4G5srjjIpAes3EHhD4i6KttqKLcQHlHRgJoG9VP8weDXCat8KvGXgfVYdb8JXI1GK2nWa3aKPEqFSGBaM89u2RxWRpuq6notwLjTbsxsOvPB/Cux0H4uhMRa7YkkY/exr/9ejpqFtdD6D+C/wAbrD4paAFurV7LVbXCajYNwynH31B52nsex4r0C2vkAWQQuTjJZiOP1r5esvHng+8kW7ttURZlB2My7XX6HqP8/StE+OLDyxnxdPsAwANTk49eN3FJR8x3Po7VPFWl6Dai51W+t7WPu9xKqj/x7GfpXDeKfjrCyPY+DLM3Mh4W+u0Kwrx/CpIZ/pwPc14ze+PvB1pIblr2KeUnlkw7k+5PP45rndd+LV7clotGtCgbIEkwycfh/OnZCudp4p8XwaMZdZ17Umub2Y5klkOXkPYADhQOgUcCvKfEniG/8S6gbu7kZU58qMHIUVVvdQu9SuTdX9wZHJ5Zmz/+qoGjGDuwT7U2xDWA6l8YPpioZDGzbc528kU+R2ZtkIwAOo7flTXBA2qzEkgAYpDsT6DoF94p8QWvh7TIWllup1SNF7kkAV7X+0prlh4A8FaR8DfCrr/oMQS5KcGW6b77Hvwf8KX4B+E9P+E/gq5+NHi63H2x42j0K3mXHzEEGb6DoK8s1jxBeeOvE9x4pv5GfMreSZD97P3m/wA+9OOi5vkhNX900tCmh0vT4bCNsLEoVj6+/wCdc18YPFaxaatnvx5amST3J4A/n+dak15HaxvcPLgKuWx/KvJfid4jbUL02fOS26TB6DsKS0Q2cnK5lkZ3OSTkmkOMnnJ+tJ7YGKUYzyDWYxc7sdaadxI/woxjk8Y6UuTnb2oAMnHB/OhR36YPekx/D1HoaM5HHH0oAX+XoaTBPoT2o7ZJGc+tGewzQAHqMD60d+mfxpDt/wAmhdufx4oAd1+8aO3HakOehOOeTQMEYHfoaAFA5yR9KQ8npSjBzgdOtITt570ALnjB7GiN3hdZI3wVIIb0IpOc/MMfSl6YYcZoA9B8Nayt/Yx3sZznAnUfwsOvH61uph1EyvuVh8pHpXmfhnXpNDvvMkBaCQ4lT+or0CzukkgW60+ZWjk5xnr/AIVURshu4R9qG0bDnO0Cpc9cDn36gVZzDdgZADDnnqKj+yNvLIARjuKNyUQsONuwZpHPOW6VMLZzJgggfUU9tOh8ssS35/nQ0MrbsnJXv3NHyn5uhHb1qT7BLGA0ZLKenc06O1kY4YbQeMk0rCIrdQz5PJ/hPWrYeK3i85jluwAqAmK2J8nk9881VuLhpickkZwTuqlogC9madt+evvVVvmbIP0yakeQsuAeB0phHIPf3qbjEI7Z6DFc94x1UAjTIX7Ay8/kK1Nd1eHSbQtkeaw/drnv61x0sjzO0spJZjlsnqaeyAaP60dRkijjGBxg0EfjUgA6ZxQeO3bpQCuTx+tL0Py/pQAdOM/Wg9QQeTSkZ6c+9JjuM5oAVvUUnAoBY8A0DrhiaADJweaFRpZRFGNzMcKAepoBx8x/StXwRp/9oeKbVHXKxv5rnHZeR+uPzpPRDWrP0S/4JGfD+6sX8TeNrezaZLe2g02HB7qu9uQfdK+2LW48uaRtSST99z5se4EEnp7dOnHSvF/+Ce/wx1TwR+zjo93c6fNDLrLPqM7KMb0kOULA9fk2j8MV7TdR3Ukwtpp91rHKN0jsSyHJ67euOla4aP7tvu/+AvwSCu/3iXZf8F/i2SfaUt5Vi3kRvuEuGLZ9DuAPpyOn0pNCWWwjk1CR4xFbW0jhlbYoOMAhT/Fn0/Kor61CxpLZXbKiqpMZjOVb0z2zgHmtjwj4dl1/WNP8LWypNLq+p2sEscfy4jZgX+vygnPet21GN3sYqLk7Ldn6Ffsn+GpvC3wE8O6Xdx4nGnRtNx1YqMn869Hqh4a01NI0C00yMALDbooGPQVfrgpJqmr7nTVadR22CiiitDMKMD0oooAKKKKACiiigAooooAKKKKACiiigAwPSiiigAooooAKKKKAAgEYNFFFABRRRQAYHoKKKKACiiigAooooAKKKKACiiigAozxmiigAooooAKKKKACiiigAooooAKKPpRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRR70AFFB6UUAFIy7gVPQilooA+CPjjo5+EH7d8pS3aKy8bWCssg6NcL8ueOnAj6+tdvcXMa+YtyP32wLnnGMkZ9D6/1qz/wVV8B3y+BtE+M3h+3b7b4a1WN5ZY1JcQsQrcjoMlWJ/2axvBmtxeM/Clnr+m3sTpdWyyEbCSMjJAx6YNbUHzYZL+VuPy3X4O3yFXVq/N/Mk/ns/xRdN4IUjtYTugVuC64K8ddw4H0qPWdPg1bR7zR7qHKTwlXkdwc7l6Yx0xipoZpQrSabcrnJGDnHJ6Z+nbHaomhvS0TyxxEA8nb36Dr/Liqa5lZkJ8ruj8vf2tPh1deD/FU8Myt5ljdNA7FTloycq3P0z/20FeOsXKdMgHj2r79/wCCiPwiS6m/4SaK0WOG/tzDdYXOyUDIfgknkA8/3MV8C3NtLa3MltcJ5ckTlGVuoYHBBrkjfZm81s1/X9foR7mPzDGPQ0qsQTtycc47Um5dofGOOABSr1yDgnrz1qyB3XBUAEju3FISQ2Wx7H1pCCMZ/Dmj5yuAcEelACZDcnPJxwK1vB3iKfwrr8OqxbtoOJUU/eU9aysjO7k8Y6UpCpw3Oe5FNPldxNXR+nf7FfxzsPiP4Oh8H6heh76ygDWbseZ4PTnuvp6fSvafEvhbR/Fvh+78Na9apPa3kRimjK9iOvse+a/KP9nr41ax8NPFFpJb6hJC0U4a0mUnEbZ+6f8AZP5frX6cfBv4z6D8YfCCa5YyLHdRIEvrTPMUnqP9k9QfwNbVIqoub7/6/r8SINwlb7j5ym07xR+y/wDEv+wtSuZm0+V/M0nUlyNy54PH8Q6Efj3rd+LPw5074k6VJ8RvA9vCt2qeZq9hBj5T1M0YB5Q9SP4Tz06e6/FP4eeGPip4Zl8NeJbXKsu62uEX54H7Op7Y/I9DXzQZ/H/7O/iuPQvE7yPZ+bnTtTiHySAdMHsfVT+o5rJO6UZb9H/X9M1dtZR26o82mtpreUwXEW11ODk1GXeLqCy+vcV7R4u8JeEfinbf294ceGzv2TdNCGAimb1Q9EJ7qeM9COleUa14f1Xw/evbajaupjbBLLR11FvsUVKsCwOTjrjinDGTxwemD0ppRSwZDtJPO2gmVBgjdnrtH+NUA7b8uc5x1z0FGwYyADzwaYJQoyVYY6nFKJ4sZ3igB4BPOB9cUjcAdTk9Kb5iMd24fgM0glOcpGevfikBJnHBxkjkU2SRRwBuNB3sBkY45CnFOSMu4jhTJJwFUdTQJbEYjO7c2Oe3pXV/DP4a3vja++3X5NtpVud13dNwMDsM9zWp4H+DUt5CviDxrdf2fYAb1R875R7D+tT/ABD+KdtFajwp4RhFtaQrsRIun1PqT6078vqG/oJ8WviJbPAnhHwqghsbZNiJGeAOOSPU+tebSrk7FH3jzUzO8rGR2JYjJye/rXPfEfx3ZfD/AENrjCNfzqVs4T6/3z7Cs2+rKSucZ8ffHEUEK+B9MlG84kvyjZ2/3U/qfwryvaqHIByR1NSXt3daldvfXMpkmmctK7dyTyaibaCNyk470krA2LlSMKOhyc9qG2nkjk+tGMjseMc/4U0Zzhjn3xwKYhSSBlSeewHSlUsByxIH3efamkkZBXkD06UpL7cZPFAAxJXcE256EDNByoC7jnuBSKwByMZwcYobGc7Tz0FAC4GNm4/T2/Gm5IXBDdOuaMddpJ/HNKrYGdo4HSgA+bhXYE98ikOEbI6Ad+lAAAIX069aQhM85x6j/CgBWkVsKGHtjvQhIH3846k0jAHnbkD1oblMH8AooAUHBzkg464pPu54Y5/vDpQ7JgKeCOg20OykZBxxkmgBeibdpwO/Sup+DviaHw74zha5VRFeL5Du3G3JBB/MCuTVgFAP9c0vzRgOhIYd/WnF2Ymrn1MMY9QRzinK2RyQfXiuV+E/jSPxd4WiMkpN3aKIroM2SSBw34j9Qa6pSeobPPOTVvQa1HIgGQBnHWnKuMEA5zzTDnOQeD1xT0IwTu/DFFwFUMpzgn8cU7cTzjGQajA5+6COxzT8jHB/MUAKBlxzzQBkDIB9KRWUjlvpmnFh0zjjigBPdemckivpH9jH4nQ6vpdx8HddvQske6fRnkPUHl4x64Pzgf7xr5vHTpV7w94g1LwvrVrr+iXDQ3dlOssMqn7pHT/P4U01syWfr78CvGsnivwalhqLk6hpRFtdhjksoHyP3zkDGe5UmuyurW2vraSzvIFkilQpLG65V1IwQR3FfIf7N37Qdr4n06y+JHhqJDeQp5Ou6YGIJHG5evtuVuegznBFfWui6zpviDSoNa0i6Wa2uow8UinqO4PoQcgjsQRUSWuoRdj4H+PXwr179iD40J4t8I6ddTeBddlAiVyZFhPLPas3UOo3NGW5KZGWKyGvW/DOqeHvGXh+DXNFu0ubG9iBRuoI7qR2IOQR2wRX0l438E+FviP4VvfBPjbRIdQ0zUITHdWk44YZyCCOVYEBlYEFSAQQQDXwj8RPAXxG/YE+IIKfadb8Aazc4s7hv4WwT5b44juFUcHAWVVJAGCIyL0sxtdUdx468CaLqujN4Z8WWzXOjtn7Hd/8tdOk7EHrsHr6cEEV4h4q8NeO/gxL9k1aD+0dDlb/AEXUIlygB6Dvsb/ZPBPQnmvoTw34+8NfEHQI9d8LamlzBNwwJ+aNscqy9QR6fz61nXtmbKCa3tbeGe1mBE2nXK5ibPXbnOM+nT2FVpyuEldPp/XU5MVg6OLjaS17ngtrrGmXsQmsb0OpILR919cj19/erMV+HK7mKg4HzDAI+v4VueK/gL4X1u5e6+H2rNpF6WLf2XetlM+iN95RnuNw9MVw2vaJ8S/AZYeJfD0zxKcfaAA8YHT7yZAHU881yzwPNrSd/J6P/Jng1svr0XqrrujoxsfJaINjG1lH1HFNYEEMJXUFue+ePfNctZ+PbAkSypKnTLZ4/nmtGz8daKUG2/464eE/h1H41ySwuIhvB/ccTpyRtvbxMAfLyTkZkiHP8venwQAKDHuUAZ+SNR17dDWNJ470RSC+o8DOcIx/pSp8YdB00gW9rPKBgqYxtB9juOf0pRw2In8MH9xnKNS2iOy0PwheajOGe2EY3A77gEkfQZ/lj611Nxqngf4Y2P8Aamv6jEki8o0jZkbjoijk/h+eK8w03xr8Z/GsRTwR4Ue2hkBxdsvygZ6h3wv5Amr5+E3hHwih8a/HXxxHcSA7nSa5IjZgOF3H55T22jHpg10Qy+S1rOy7LV/5IqllGNxsvf0iO1XxN8R/2jbs6H4bt30nw4smLi4lz+9AP8RH3z3CDgHqehDPiL8UvBv7Pnhxvh98NUiuNZZf9InYhjCxH35COr+idBweBgHz74vftkXd9bN4R+D+n/2Xp6p5Y1Hy9kpQcYiQcRD3+9zxtIrx6HVJpQ1zNI0rvlmZjyxPck967U4RhyQVo/n6n1WBy+hgIJQWpq6tq09xPJqOoXLzXEzl3eRyWdyckk+pJr1X9jD9mHUPj948HijxVaOPC+kXCtqMuMC7kGGW2U+/BYjovcFga5z9nb9nLxV+0D4pHEtnoNrIP7S1QpwAMfuos8NIfToM5PYH9EPh74S8MfDfwpY+DPB+mrZ6fZQ7IIQOR1JYnuzHLFjySaa01O3fQ7TTrr+z0jt7RUSJFCogXAUDgYHoMAYrV8XeNIfAXgmXW718TyIRap1JJ6fz/Ksrw8dOjt5fEHiG8jt7CzBaR5ZAFYjtz/nivhb/AIKYf8FR/hB8NI28PxeOlbU7yN10uysYXleKLJDTnaMDphckZPrtapepR5t+2j8ap/id8Qn0GyvWkstKmfz3B/1t0eHPvtHyj0O71rxdssdzMeCck9TXgXiP/goL4JhZ38P+DNTvXJJL3k6Qhj68FzXEeIv2+viXflovD3hbStPXorSb55B+JKj81ppNAfWYIH3079Kgu7q1s0NzcXEcSKfmeVwoH4mvhrxF+1F8d/EQKXfxAvIEYfdsFW3x7ZjAP61xeteI/EOvyifXdevb2TP37q5aU5+rE0uUD7s8Q/Hv4N+Gdy6x8RdKWRAd0cFyJmH/AAGPJ/SuF8Qftx/BTSiU0v8AtTU27fZrLYp/GUqf0r48YtgjBOfbFRlvkxtPXvTsg6n0V4i/4KD3b7l8L/DeJCR8kt9fFvzVFH/oVcH4l/bV+Out7hZarY6amMAWVipIH1k3mvK3OOCcYPFQOUHykk574oA6HxB8Yfil4pLjXviFq86N96I3zrGf+AKQv6V594v1F55xaBixADOS2ST2rYvrxLO2kupiMIOnqewrjZ7mW4uHnlYFpCSTUoA38YKn8T0pHbng555waZvJ5P40FvlGe5/H8aQDs4OP0zQGzyemelMLZGSMZHWjeTw3J7elADmY7jnp7mjOe/BORUZbDYz17kUpJGDjqOgoAdwcYPNJnPI65zikBx1/DNITgAE9fXvQA7O4hTxntSBztJzgfWm7gOPfPFHfjHHpQA5nGQOvtSHGdxzmkJwAWHfmmkngEj35oAdlT8x/QUA85YE+lNPQjn3FLnCnPYc0AOD579O9IWGT8vHamtgnjt0xR0OB+YoAcGJXJbGaAcA56UzPBx+WKUtgAY6HnFACliPpjgikVsZOM9PrSZPY4zS5Jbv+fNAC54xkfiKTBx9R0FIPlBOT+VGeg5+lAASTwMYzznml3emTxTT83XnjFA4HJOPUGgBcgjjHvigeuc0m5j8v9OtHU8nORQApA4PYnrikbAIAPPYUZPc8ehoz6+vGaAAcDuSeoxQCfvZ//VSE5PBBHpil5Bzn9KAD7oOTz9aMsMdeevNAPUAHAFJzzxkDvQAHnkD0oc54PWj34oJGMbcZHagDt/AWvi8tRYXciiWEY+bqV7H8Oldrb2MbxZYZUjjJ6g14zp9/cadeR3trJteNgRnofavVfB3ii01rT0wTnOFB6q393/CmmB65+zH+0DrPwP8AG1vDP5dzYyhoZLa75huoG4kt5h3Vhkfjmu2/ap/ZY0y00gftGfs+Wc194G1Nwb+0RxJPoNy33recDkLn7rnhgRznIHgaaU96+yVCRkH6H69q9i/Zs/ad+I37Nevqb+OO80fUIvst9a30fm2eoW7dYLhCCDx0PUdRVxly6dBNXPEWiaSRXR9rD7pGB+dKtweFuPkY9CTwa+ufil+xX8Pv2iNNu/i5+xJqYe5aM3Oq/DS9lH26z43M1oT/AMfUXXG35wMAgnJr5Q1XRdQ0W9m0XXtMktriFik0FzGVZCDjBBxzTasrrYXN0ZFjcOM9PTrShQTywb2qD7LLET5M/Dc7GOR9KcJ3UESW7A4+8hyKRRL5eSCV6H0B4/pS+XGSVCj6gYqJL62/jkK89XBFON7bYG24UfSgVyQSKAYwPoc9KCA3zKp/BeCaZ9tiGBEpYnrhc/rQZZ5U2rAqZ/vmgLjmf5ec4HrwBUYeSVSIiVUn7xH+c0pgEh/0gbyBnHbP0q1pthfapcLbafatI7cAKKAtqVmUrgKDuPb1NenfBH4O2moufHPxBH2bR7U7gG6zsOiL65q34C+Dui+HYV8U/ES+WNEAkitD9+X6eg+tc/8AGP47XniBv7B8PH7PawrsjihJEaKBjAHr70JX3Bu2xY+NfxZvPiLrX9g6ZIILC2HlpFHwkaDgKB64/wAa5aJY7eMRxr8o+UAe1cxZah9nfexJJPzk85PrVzVfEiW9gziXa207nz90UX5mC0RR8ceKIbK0kWOY+WnbuzV5Rd3U17dPdTPl3bJzWj4q8Qvrd+VjP7lDhB6+9ZQ45zn1JqW+gBkDgdenWlDbT6+9IQB2/GhvapGKfUfypCT3z7UZ4zntS4HOKAEOSeopQfXj8KTHcnB9qF6njjtmgAznn360fePSl4Bzg0hznoT9aAAlj1HbuKCPX8qMg88/jR0HIHSgBW7dsdcUAc4xikJyCQOnWlOeRjigA7YDDp2oyp4FA5IyxPqKQngnnFAB82MgcUMMfj2ApSOTnH1pOCf1IoAMkDO78BWv4a8U3OhyiF2LQv1GeV9xWRwc4wOOTQSo4J+tAHtPgrTvBPi2FHu/HSafM3QT2ZZD9HDfzwa7O2+EegY82H4pWUgUA/Nadv8AvuvmzT9WvdLm8y1mIB+8h5DfhXT6R46tZU8qeU27nghuV/PtTTA9q1D4ZeH7eHzH8fWBYLx+7IH8zXPX2haLpzFpPFlm4xz5Ssx/SuSh1WNxve2SZD/FvYD68Gp/7U0/aN2hx8H/AJ7v/jVXAualqdjaZXT7kzYOATHtA/DOazX1OaZwpPA6BWwKjuLiOVv3cCRjrxn+dQjcMYPGOxpN3AneXAHmbRj0FQvJvOSRzyKRs8fKPzqG81KysI993cIvHQtz+ApICUjoCR+FUdY1610ePYWDykfKg/mfSsrU/GMkuYdNQoD1lfr+A7ViF5JHaSRyxJyxJ5NGiAfeXtxfztcXMhZmPcdP8KiAJH86F+lBz6c+xpAJjjee/ajA7k/lSjJ696UZ6jn0zxQAnBPpjvQ2RzkjJo98j6UrDdgEc9+KAEViTgGlOQe2O2aAvYnH0pcc8N9eKAAgccc0EH+LAP0pCoBOScemKXI25OaAG9v/AK9ep/st/DTUPiJ460/w1ZwN5usahFZo6LkrHnMrD1wuT/wGvLoYpZ5Vt4FZndwqqOpJPSv0I/4JO/A1LjxTdfEe9RBa6Ba/ZbIyg4munAaRh6YH/odRU5rWW72/r8fkaU0r3ey/r/gfM+7tG06y8J6JaeHJIYythZLbxMcjCLxxz/iPcVJLcx2NiFtZGkjd1ISRM4HOSAB8v6/1qe0t1vvMt4LxXLAjDkuScn5c5z0GaSG6mgcy6bdBCvyiHaSBj69O9d0IqEVFbI5m3N8z3ZFuQ71mhcyyxBvPe5UhM98H8fzr2H9jDwbP45/aD0Y3iedF4f097uWUL92RzsQHpn5d/NeRGzvb5oWmS3K7905K9Me+cfWvr3/gmT4BeHwhrPxUv7NEl1vUGW1OwgiCM7FHPUZDEEcfNWGJl+75e+n37/gma4dWnzdtf8vxaPqhRtUD0paKKzAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAOT+Nvw+034o/C3WvA+qQCSLULCSIqfdSK+B/2TvE2paXYaz8FfE115GoaDfSQKgOCwVypI744yPYiv0jZQylT6V+ev7c3gxv2dP2rdI+NGmwGPRvEzCLUgikKZgADkjuydOMDy/eqw7UcRyPaat81qv1Q6ic6F1vDX5PR/oei4NqWt3gkO4DaXTjHHTH+fen3F9LFFPIQoGMi3VOSAccHH+c8VDY3thcqdUs7r5LiJZEUdHUjiiE2fmqtpOq5XMrI24Y7Dk1u79TFWexz/xk8F6Z8SPAt/4caRI2ay8yBH4CTDlfX0wRX5d/H3wPd+FPFD3c1k6LLIY51ddpWVfbtkD81av1peeB7M+feEI+WBSDG44JB4/xr5I/b4+BFves/i61s3jtdQTZcStBzFOvR+3HA6dg396uarHllzL+v6/yNqb5o8r/AK/r/M+D9wPI6A07AAAJJGO5p97ZXWn3UunXqGOWFyjrkHkf561Dg56ngcE0CFbCg4PGOg/rSsQRjoOMkDpQATyDzjpSKN6ZRjn0I6UB0F3LjcrZPfNKQQv3hg9eaTJCDORzyQvFJk/dwaAFUlfnQYAPY17N+zV+0z4j+F3iO2P9qlGUhEaRiUlT/nnJ7eh7e3bxj5WGGHuPrQGbIyM+/cVcJuDuhSipI/W34a/Gvwp8V/D6alpV0sd1GgN3Ys3zRH19x7/niua+N+teHdV8P3Gka7axXETDIjlx971B7Hvmvz6+EHx+8T/DnUoC2oTKkRHl3ET/ADRj0P8AeHt/+qvfbv4wSfEnS4r5LtXZ0BLQt98euO30/l0omlJXQQbi9StYeItW8E6k0ug3by2obmFznC+nv9a7rS/iT4Y8a26WetMgkC7dkoxt+h/p+leasMse3PIpsljDKfMZcNnhx1H5Uk9LMD0PWPhNbXjG40W9RcqCEHII7dP/AK1cxqPgjxJpm4G0Z1B6x5K1U0fxH4w0Ng+maoXQDhHOM+1dHYfGHXLZVTWNELhQcyBc49+M01YNTk5bK9gO2ezkTnoUNR8McFcY7V38fxZ8F3GBf6eN5HJZQePxBNSf8J98NZwJJbRdxOduxR/IcUDPPBG7MFSIn2C1btPD+s3bbbfS5myePkx/Ou2f4o+AbXBh0lJGXkBxzUF58dliQx6PokcTbSodYefzNF0LUraF8HPEGohJ9SljtIG4MjtjH51uiX4afDZfMt0S/u1/5aS4wD7DnNcHrnxI8V64zGW82BuwOeKwZXkuGzPIzP6tzS5rbBY6fxx8WNY8VzuI7h1jf14wPQY6cVyscswfezsxPLc8mhIJJX2RKScc4HSuY8d/Fzw94Fjay01o7/VcECNWzHCf9o+vt/KkUlc2/GvjvR/AGlm+1Zt88qn7LaKfmkOO/oB618/eJfEur+LNYl1rWLlpZpOijO1FHRVHYCmeIPEOseJtSk1jW71555P43PCjsAOwHpVLd0ZgAMdDS63YX00ABicBR7mjKbeBgnp7UEjOSuQKTd2B6nrigQ7ed23cOR2pGwOWycd/xpRgjEgI4603cHPOc/1oAU56Z68HJpuAvIJ5PfilPy4Ykc0hOD8xyM8UAKc8qST7Z4o3ZJKEAnqKacbDzxnBHSlG04AbgjhgaAD5sYBxxgnFICobBb6007gNyk/rgUu5i2SPrxQA4Djlcj1JzignH3mxnpzTMkfIGH0A4xSHgnkYz1zQBIAxxtAJ9cdaa2eQ3c9DSZ7Eg8dO9ISxGSPXrQA4OwA45A655zSbsYVh1owrLk5A7ZPSjeegYcj+E96AFcq3IU47g0bjgDew9Qe1RncshG/6EUe+0c9DQB0fw18bS+CPEkV8STay/u7uPrlD/EPcdf0r6FtLm3vbdLu2lDRSoGR1PDA8g/lXyuJG28N16jvmvT/gX8SxZSr4N1y4/dyP/oMrEnax/wCWeewPb3+tWtVYT3uevktjh+vtQAp4wePSm5wctz2BzTxkDdk9etPcY4GMcBAB60o+bjdg47dKaAO2ffApwYH/ABNAChgRj25NLkAfXtmm/ebnsexpybsEZzjuaEA7cPu0g3A5fIx1JzSEA84Ix2BpQoUYA7cCgDr/AILfGHX/AIOeLY9e0tmltpCFv7Mt8s8ef0YZyD2+hIP338BPjzpVrYQ+K/Dl6154f1Ib7yzj+9bv0Mir/Cw6MvcD0AI/NUFuSBnPSu2+Cvxx8UfBXX/tulyNPp9w6/brFmwJAP4hn7rDsfwNPdWZFrH7BaTq2m69psOsaPepcW1wm6GaM5DD+hzwR1BGDVfxX4T8NeO/D114U8X6Jbajpt7HsubO6jDI4yCOPUEAgjkEAggivmb9n/8AaS0+XTf+Ek8Cyi80u5Ob3SJJNrJJxyo58uToCOQwx1GCPpDwZ488MePtOOo+HNQ8zZjz4HG2WBj2de3fnkHBwTWbiUmfGvxy/Yb+LvwE1u6+Jf7L97dappDSl5/D8YMlzbR4JK7Tn7VGDkDA80bl4YhnriPCH7U/hfxNYrp/ilBpOpFdrbsmCRvZv4fo3T1Nfo3Xkf7Qf7F/wM/aCin1fxJoH9m626ZHiHSgIrgkBQDKMbZxhFX5wWCjCsvWhSa3G0mfn78afiXex35m0XVnjkjYFJYZMHsQRzjFYfhX9sP4jaCps9dtINWhGMNN8j/99AEfhir3xx/ZZ+IPwk1m40u0voddsYnPlz2GVcr2Zoicjp0Bb614Z4q8S+EfBkrL4s8U2GlOmd8Wo3SREH6OQaEwaPpey/aT+Cnijb/wl3w7CTE/NO9lG/JPOCvzcVbj8WfseXoEksTwueoP2tcfgDgd6+KdY/bA/Z88N7o5vHaXkiZzHYWsku4+zBdv61w3if8A4KHeAbVWXwt4I1O+fkBrqVLdT+W8/pWkZyWzsZypU5fEk/kfoVN4w/Y4sfnDNMwXjH2xs/mcd6gf9pn9n7womPCfw+kuJV+5KLKNCenV3Jb9K/LXxT/wUA+LGouy+GvCekaeh+402+eQD6llH/jtcDr/AO1B+0T4m3JefEe7tkbolgiW+PYGNQ360nOclq394RpUo7RS+R+q3jj9tvxtdWjr4ftLDQ4cf6+Z/NkX3DMAo/75r54+If7U3w3kvG1Hx38ZrK9ul4O7UftUi/7IVCxA9sYr4Dubnxd4wvxHqGralq1y/Ijkmkmc/mST1/Wup8N/ADxtqoEuo2sWlwnqbv8A1hHsgyQf97FTY0PpLWP24PghpT407+1dUP8ACLWy2KT9ZCpH5VP4T/aw1PxJq8TzfDT7BYFwFN7enzJB/uKo2j8c+nrXkvh74ReFfCaR3TRm5u93/HxdLnafVR0H8/etZ9NuY2EaSMRwUZPXPX2ppJMR+oP7Nn7VWra14Rs9C0BdN0q1ghAitrG3ACr1P3mYkk9Tk89+c19CfDWz8V/EiU6vrOvXNvpEBLXl08uExjJVQMDPr2HX2r4+/wCCcf7JPxHl8KxfF345XDeGfB8cXmWVvdr5d1qI45VScxocD5sZbsDwa6L/AIKB/wDBTX4e/Brwd/whvhOTyLVIfL0zRbNwJr5hkAk9VTPLOeP948Vcnb1JWp0f/BSb/gon4H+B/gKbQfDV+n2S3Uwabp0LYfUZvQH+6DyzYIxyckgH8Tfid8TfF3xc8b3/AI/8b6i11qF/Nubn5Ik/hjQH7qKOAPbPJJNW/jD8Y/G3xx8aT+NvHGpCWeT5be3iBEVtHnIjRew569STkkk1yx6EAdfUVCRQjKvO5e/Ixmm7McnHTrinENkknp3ximl8AiQA4HINMYhBI+QBeP7lMOCNpYZwR0pzNs3fLn2ApNoA3Z5zQBHIQB8xG0dx1qNiPens6E4BzmopHzuwQSB69aHsIgcMAd4246cVHIXBLEZ565xUrHIyR17CsTxRrg0+E2lvJ+/kHzHONg9agZm+KtYF7cGyhYlIvvH+83/1qyfujA+hpp4fByMnpQGAIZSevI6UgFyeQzjHXFG/ucZxwKaeTz+ppBgEhTweMmgBx6kAn86GySADjHpTNzFeV+vNGedxGDQA7JBJHI78UAk8g8E80jNlsgj+dNB+Yc/hQA8sG+YfqKQMQ2DjA703IJz+VBcsOvfjFADhkk7SOO2cUbwOpP50hI5HIpvYen+fWgBzHPBb8aRmHb8MUZ9uKTgAdMc4oAUDBxgcd6XgEk4FNJB9yelIOpyeecZNADhnAJbrRnnJPB6j0poJH68CjI9PqT2oAUkN95eP50EgHNN3Dpj8BS/KTjIFACq3bPUdM0DB4BPPtSEYJ3cc+lIuM4I/SgBQwHygc9gO1G7BzwSfalPXPrTQQByR7DFAChhkqWxxxRlQuQP/AK9GCR1PvxSY+YDI6UALknPHTtmjnHT9KCfl+9QeQABQAL0zjt0oBIAP8+1IeuCPypM84IP4igB2RkAk9O9ICaCQRzxntSbvm+UdexFAC4GcYzgdDQvI5POeuaQN8vUD60ZzgDn60AOz0Gc+uKRT324oABOCRnr1pMg9uvegBep/DNXdD1260G8Fzb8g/wCsjPRx/j71RA4zk/ielLkDkLnJoA97+E/i7QfEckVne3UaNKQEmlOPm/uv6H3r6A0X4fadNo722q6dHLDMn7yOZdysv9OnHp+Ga+DtI1i90S5F1YyYOcOrfdYehFfQfwL/AGtJ9ItY/DviZWu7QDaoZv38Ax0Qk/Og/unp644pp6gehf2J4++CniGLxR8J9eujDbTCWO0S6ZLi2YHrE4wTj3Oe3zV6xB+1b8Af2pYB4f8A2s/hlHcawIxEfF2iRLZatGwGN0y48u6PTO4B8DqK5FfEHhzxhpQ1fw7qsdzCRh/LOGU/3WUjKn2Ned/ETw7pt4DPeWSmdBhZUBVx1xz1/PirTtqiddj0Xxb+wHHrRbV/2cvjFoPjC0YbotOuZxY6ggxna0MzAEjpiNnzXi/i34O/FHwBqMmm+L/AepWMyNhoprVlP5EZxWdp3jzxx4Tutul6xLLEh+RJjyv4ivQtD/bT+J9lYppWralqMtsOPJNwZY8D/ZbNO6YWZ5bJa3cbnz7aRTnkMhFR4B6dRwBmvX5P2lfBupkNq/hyxDFSGcaaiMfyA5+tRH40fCspvXT7UE9vIX+WKQ7nlVvZXdyfLgtJm3dNqE9a19K+HPjTVmAttEk2lsF3XAHYfSu5b48+A7d2NlpAdtp4jgXI/wC+QKzr34869d7k0fQ3RSpAMgCjHTv+FGgFjRfgBNbhLrxJqsUcROSu8KCOvGev4Vq3njf4afDSzWHRbOKa8TguRnJ7FRj+f5VwGp+I/GWvM76prZiUjGyAknH1P+FZFzp8KAyRoWY8s7Nkn8aLoNSbx38UfEXjG5aSa7aONm+6Dya5Ry2dp6nnINXrqAxnORjJ79qy9W1Sw0mAz3soH91SeTQ7sLJD5GjhiM0z7VHJLnjFcZ4t8WvqztZ2bFYFPzH+/wD/AFqr+IPFV3rTeVGTHApwI+5HvWTwcdR6VF0thi8Hktx0FI3NKenahiAeAfbikAZ6nP1oTOCCfzoAyCMdPagEq2enrQAY3MCTnjmjqM/nxRx0HX2oAwcbBgnmgAGenv3oByfwpTjvwfrQegIzknnNACAZ6546nvSgd+h70ZH3APyFLjjj+dADemAB9QaUcZJxnHfvQwPY0gyevSgBcKRnoD3xQfXJwKMY5H60EHuR+VACEs2fr0owcYOeB1FHOfr60pGDyevagBD04/SgYByc5zQwCnPHtxRnaeg4oAOAeB060nXJPAz6UpI7YI9aUcnA4FACc9PejvgGlbb1H4UAZ4wQPpQBJb3t3ZnNpdPGf9hyAav2/i/WohtklSQAcb4v6jFZu3b2yO+KMHHAPPtQBtDxxqW3m0h98Bhn9aR/HGrOAI4IFGDg7CSP1rGC9iePejj7uMDtRcC9deJNauhte+YDqQgC/wAuapM7OxaRyxJyST1pD6jFCnJB9fencAUZBPXigZ6+3agg9On40u0Ed6QCYz3HvSkEHqT6c0exHPpmjjqeD70AIQB1NLgbexB9qOD2owQfb3oAQ8cevXNLkgdPqaBgH+tAHHQj3oAAMjjFKFPAJP4GgH+6ee2BR7EcfTrQAmME4pfYkdaXnHQ/jUlna3F/eR2VpGzyyuFRPUk4FAHV/BjwdfeJ/E0MlnYtcuJlgs4FGTNcOdqqPcZz+Ir9lf2a/hTp3wY+CWneA4IVa5trZJtQeU7RJO53SEYIJyxOPYV8df8ABLv9maHVfEp+JmvWW/SPDgK2kjIdtxfsOW9woOPx6grX37plw0Vi1wlqwMcwE8Ywcg9CMkY6mnRi51Obt+f/AAFp6tlVGoU+Xv8Al/wd/RIlgvLiDzFnmaBHVVjmhQBsHpk4+vrUc9o2nxMkXmukke1X8tvm+uO9NvLlpoljMEuzzP3RbHAxyCR0/HNSu0M10Lm2vPKaRB5auOuP4Tz7frXZsc4si6tqfkaJpKst9rFxHYWNv5RKkuwUuOBgDqcdvpX6cfBbwDp/wx+GOjeC9NgEcVjYxxhR6hQK+If2B/hTD8U/2gJvG91ah9M8JRbIW6o944ySOeqqf/Hxiv0IVQqhVHA6VxVHz1rfy/m/8lb8ToiuWj5y/Jbfe7v7he3rRRRQSFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAcUUUUAFFFFABXjf7cPwCtfj/APAnU/DscK/2jax/adMlI5SZPmXn0J4PsSK9kpssaSxmJ1BVhggjrUVIucbLf9ehdOfJNP8Aqx+b37IvxMufE3heX4e6/cNHquhsYXglz5vlhiMHvlWBB9PpXrstulpK91b3G2TjCtkg47HnrivHf23fhfqf7KH7Tlr8Z/DNuyeH/Ek5N1FHhUWc/wCsU9vnA3DryGJ6ivRvDniPS/Fmh2+r6FdRNZ3sSzIm7LA57gHgDnJ46V2qp7emqq3e/k+v+Zzyh7Go6fTdehrzGa4bCuDGqHcAx/T+tZfjDQdN8b+FLvw9q8Ye2u49o3SBtj+oz0IIzWqJbjTt1tBKuHwFZBtXjPHOc9ajM1qtwWcbMR/eUZyR+HH1qWlJWY03F3R+Z37VnwM1LwJr91cNaBZ7I7bpQMedFxtkA6nAx+H+6a8RZmACYxiv1T/aW+EFl8XfCs2o20EbatbRZgeRcidBkGM8c98fkTyc/m18W/hnd+AdbcpbutnLMVUYOYHGcxnP5jPUe4NcusXZm7tJXX9f1/XU5PL5wCcdqRt45jHfuOtIB1Jx7Ed6Q4blgBjAJzVED1Y5wCAfr1pMBGwMHPv3P0pDtP7tSc47UR7R9/5cdMDrQAHBwFYkjqKXjjnBzjIPWk5A+9gGjeCVJbP0NAC9VJDfd9+TWj4d8Va54XuvtWjXzxMcbkY5VvqKzWJCg4wCfqKUfNyGxg8/57UXaA9k8G/tB6PemOz8U2xt5TwZt2Y88d+3fgjj1rv9M1fSNZhW40rUYZlYEgpIDmvls5GSBg4ORU+matqmjXH2rS76a3foZIpCCfY46jpVXT3FZn1haxdxH+PTNXY94BGCAT6V85aL8fvH2k7Y57qG6Udp4vm/AjGK6rTf2p1BUap4blAHeCYMT/30BTdmhnsbpFIQXjDem5aq3FtZhSfs8YOOCFGTXn1r+0/4MlGLi1vI8/3oQf5Gnz/tMeAWGNt8w9Fth+XJpbAddMFU4UAfpUT5wR3FcHd/tLeDQrNaeHtQkYdA5RAfxycflWFqn7TWryfJoPha1gyPv3LmQ/XA20gPWEt5ZMBY8jHTFYfifx/4H8Hh01rXEknXOLS0AeTPocfd/HFeL6/8V/HviQFL/wATXCxngw258pSPomM/jmudLBn4Y4PU55pAd143+O3iHxCkmn6En9l2TcFYmzLIP9pu30GPqa4VpC5JdiSeSzd6NxAZQDnsCOtI4yoIBAxxQArqQmSwGRyKDnaCq9f880gIC53Z4703J+8P/HhQAuR90DjHrSs2eCAPfPBpp24w3YenWjjJBU5xwAaAHZGSpPGf73Wk+8nQdevSmtuzyACe+7rTSChwR07ZoAkXaQfnPXqDQwDHceFz1B601nByOTgjHHWk3nBUPz3HrQA8sCSOuByQKayAktu5HX3NIGP3h8o9v0prZbKrj3wKAHgr9COT6UBmbIVef73vTCwBAU449OtCkkYHTqeaAHghBhumTux2/OkzyFzk96jZsMUCgjHel39Ny55xweKAHkgsFIGB685pAf4vQ9s5pu5QMLgfypHJUMWJ5HJJ680AOU5OCMnPcdRQgOehIx1PSmkkk7T1FJvORtXGQMgmgBWxJk9ADwc9KVWGBgk8dCKYpGBz25NJwoAxjjgCjqA8PjlR1P6UZKYdMg5GCDyKbmNWJKHHamlwXyuM9+OgoGe1/Bz4vQa5bxeGfEt1i9RcW9xIceeOwP8AtD9fr19HLAe/PQ18nLL9ncSQyESI2QwOMH2NewfCn44w36R+HvGV4scwwsF85AWT0Dnsffv399FqTsepjH3QAR2xTkcAkjk44qNZEf5g4bI9etOVlyCW9utGwyXJI5wTjt0oyN33OlY/iDx34G8LIZPEfjDTdPA6/bL6OM/kxrh9e/bH/Z68OBkbx6l44ziPT7WSbPtuA2/rSA9RBOc88njmlDDqD3PQV85eIP8Ago14As8p4Y8CapfMBw13LHAp/Lef0rhPEP8AwUT+KWoM0Xhvwlo+nRkYDzB53H4llH/jtMVz7J+VegwCe9RXd5aWULT3dzFHGOryOFUfia+APEH7Wf7QHiUMl78Sbu3jI5j05Y7fH0Mag/rXD614n8TeI7k3HiLXr7UHB5kvbt5D+bE0DP0i0f8AbC+HfwR1ga/YfF/SrWeJgJreK7E/mL1KukZYkfhn6GvoL4Ef8Fg/2afiHrkGmad41udH8TphbeQQvDHcN0wjybQ+em04JzjDCvxOyjH5eD/vd6F2AjaTx0bJ/pTTXUlrsf0zeAv+CjemQzpp/wATfB1y1pgKmuaOyyZOVGZYDtK8bmJU56AR11/xc/a/+Gtz8PZr74UfELStQvJI/mgScC4iUqSN0L4dMnAwwHfvX87nwE/b9+OXwSWLRrnU217RosL9g1OYl0XGNqSkEgdBhtyjHAFfVnw9/b1/Zj+NcUOm+N/K0a93ArBrMSxqr+sc2dgwejFkPtScOZaCTcWb37Qvxk+I/jjxRdz33jXU5ImYjyUu2WMDP91Tg/8A1q47wP8ADnQPG9+lt4u8M2eoRs/KX9ss6vzzwwIJ/wDrV6Hf/ATwn4yjGq+BPiXJbib5oYbl1u7d84wRuYSHPXh8dqt+GvAHxO+Hmpr5/hiw1uONx8+m6h5UjjH/ADymG3/yJSVlowuzY0n/AIJq/se+NYPtviD4NQwzugJbT9Ru7QK3oEikVB+VZ+s/8Ebf2PrkvNanxVaZ6RWmuKyr6f6yNj+Zr2Lwx8fPDGjafGvifwT4l09sYcHSDdA47/6M0orWv/2lPhP5IjF1rUY29X8KaiM8cf8ALvj3osNSR8afEj/gmJ+zd4GYPp9x4jnAOSL3VU/L5I1J/D0rzm6/Zf8Agj4fufN0/wAEeZz1vbiWZevo7EH8q+tfif8AEfwp4mR08O6N4gussWLR+GL8E55z80I7/wCeBXlF38P/AIgeL5z/AGH8Pr2GJzta41Dy7ZcdMlXcP+QP40KyHdHlEHh/Q9GjNpo2kWlpGOPKtLZVXjvhQKpXVjMZ/kQknr3Gf8cGvfPDX7IfiTUisvifxxo+lxhdzyWsct2cZ5ByI1B/4Ee3tXcWfw2/ZE+Cls2veMpV8STW4/e3PiC9WO0iOOf3SFYyM84kLUXFdnzr8Jf2Y/iz8fNQfT/hz4OuL2ONtt1qMhEdna9M+ZO+EXAIO3JYjoDX1p8G/wBlD9mP9km3i8b/ABc1Ww8c+L4NssVu6n+y9OYDkhT/AK9lP8bgDoQqkZrwz4+f8Fe/APh7Rx4N+FsAvobZfLt7DRIUt7KEDtu27cf7iuPcV8R/HH9rj41/HmWa38UeI3tdMd8jSLBikJHbeSS0p6ffJx2A6U9Qtfc+0P25P+Cwt5r1xP4W+Geox6vfIDGtzGf9BtRnttP75sY4HyjuTjbX55eLvGPifx7r9z4o8X61NqGoXchee4uHyT7ADhQOgUDA6AYrNUcgnHA4HPNBJLbB3P50bFAxDdTwe4pCVGAeo5Py0oyCBjOff+dAZ2/hJ9OKAEY4UEjK+gFNLF8kj6EDilZGA2rn69KQBkyScY6YHQUANcEjAAHrntTXcgHgcZ5zSs7enTmmSOM4K8d80ARnJwSCD/CeoqJznPPOcD3p0kpH8X6YrD8SeJ7bSgYLciS4xjb2T3OP5Um0hbj/ABBr8OjwbAA07g7Ijx+J9q425uZbmV57h97M2S2OTmi4uZrydrm5lZ3c5Zm70zIBG0449KgYvOACBgdqTIH8JHPXFIfvdevqKQkdRg84oAXdgZ5AoLccHHrSZBOR/OkJIHT8hQA7J24A7+lGQcHkc8mmk+p5PU5pc46D86AFOFG7d06ijqMDseMUhI5J5zSZzg4GMc5NADskYLfhzTSwx1/H+lHHTGO4oBYHLKO1AC5JBORz3pGYE8gdOBQCCSDz6k0ZAHAyPWgAXJPPIoJ6g/gKQ9COAM+nWjPPy4HFAATjoPyFKcg/dHzYpE3Z4P8A9alJJORnrQAfd9Dik75xye9BzjikGMYJHuMUAKcg4HGB+NAOOnp0x7UnJ5wOfWlBy2SPrxQAEMRtB56YpME9QTk8il4HLDqOMU0NyWDHJHpQA4gt6j3oBIOM5oxkZIpOenOe/NAAwzznge9BPoc+vtSYOMDv6UoyOB/PNAChhjkZ44oOM5HTODSdiMEe+KM7ufXrzQAuAQeefc0nsTgHjpSNgdCc9PpSjOcsfxoAFxk459eKMkn09iKATnjPvmg5IyCDmgBe2D1puSBgZPPPFKMDoaADjt06nvQAvB5I7daQDBx+lGefX1wKMHjGelAB1HK8Y6AUHgY9Pag5zgH86MgZPXHWgBAPwFOjkeNleNypHRgeh/pScY4/HFHzn0J7mgDq/B3xd8T+EbxJ4b6cFOPOhfa+PQ9mH1r0/Tfj5B4ptRBqfkySbcB4h5cnTup6/hgV4KuejY/GlU7W3K2056g007Ae4zT2V+++C7XJH3WG05+hPNOFiEZVLccZz3/CvHtP8Ya/p/7uK/aRQeEm+b+fNbFj8VdTtgBNZKT3MMpT/GndAejtb7cllJB7Bf61CY13nMYBB5rkIvi9auMTxXIJPzZCt+tSH4o6M3zAzA/9cRT0A7K0JGeRtHbNacLHIwcAelecP8WLGP8A1KztgdkAH6mqV58WbuVSkFm5BPWSY/yFLS1gPUrnULGBB59yq8Z28E/l1rF1nxvpdhGxaZFGfvSkDP0HevL77x14gvchbhYR6Rrj9TWTNPPct5s87yMTyztk0XSA63X/AImNMWi0uMue0rjAH0FcpeXl5fzG4vLhpHz1Zv5elRDOdxoBJ9R6k0m7gBPPOM+opATnOMmlYD6ccUhXjOaQC/j+JpdwUcLSccheB2NLs5x6CgAyACPU9hSEkcY/SnAgnknpmkPHPbGaAE77l/nSjk9BR144/GjIXg8fSgBT1xn6YpORz1oOA3Q0vy8cZweKAEyMgdOOeKOM/ShQTz055zS4IGOePSgBMAcZ/DFCEZIHSk4HOOO1KPwPfigAJ7HsaQ+hzTh0PzUh9wPbFAAAN2cg/hR3zgH0IoOOuPxz1pdp49SPWgBOnGM/hS8Y6ED6Ugx1GMU7jHy/pQA089/ypRkd8n0o5z0zRxwQc+tAACOh4ye3NGMAk/jmlIA+6v503JOckZoAUEcd/XijuMc/UUAg85pwIxnn2wKAExxjPbrik4yCo/HNO6f/AFhSY78/QCgBvUnJxk0qn/JoGeB0xQMAFsZoAUgA/wBaAACfm9s4oyDzjjtmlPbOcDHagA5POM49aTnocY/WlPvx60mF/i49qAA5A4PTvSDse3pinbifp/OjBz06+nNACdRnnI7Uo7kjOKXAz16+1IBtGcE98UAGCM9R2oIyPTnoaU4IyOKBkAjHOKAEIwcgc+1exfstfArXviX4t0/TtNsWe91Oby7TK5FvCP8AWXDD0AyB0z+IrhPhn4AufG2rqZIJGtIpFEojXLTOT8sSjqSfb+ZFfrN+xJ+y1afBX4bt4v8AFulxN4g1eBGuFdQDZQYykC9uAOcd+/AqdZSUVv8A1/X4dy4pRjzPb+v69Nex6r8IPAfhX4PeCdO8CeD7RorWwt1SVpoRmRupckEZJJJJ681v3ksDbri2n3EzCNYmiC8+uc9OOuKdZXFu+mNY8NKxCgKpAxnv2z2/OooIzcskLJ5QEoaFQxVxxg9BznBPP/6uuEYwjZdDCUpSldkoWaWRW8tJJVAOxXKgDnrnr+f+FZuua/qmi2RjtmBvpH+z2lsEzI8jtgKO7c9Pr71rrpws7qSU3zxmVNzAL6Ad8D69a7b9hb4OzftF/tAv481e38/w54PmHk+YoKz3fBX1ztHzfUqR0NFSoqVNz+7zfRf10uFOHtJqP3+nU+x/2KvgbD8Dfglp2jXUSf2lep9q1SYDl5n5bnqQOgz2Ar2CmxRpDEsUa4VRgD0p1ccIuMddX19epvOXPK/9WCiiirICiiigAooooAKKOKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooA80/ar+AOhftG/B3VPAGroFllgL2Vwo+aGZeUYe4YD69K/O/8AZk8d6j8LfHGpfAL4mWxtb2xvXggZwQEkBHy84yGBBB7giv1bIB4NfDP/AAVR/ZFudStE/aR+G2nMNR00KdbhtwQ0sCnIlAHVk6+4z1wKKVRUKt5fDLR+T6P/AD+Rcoe3pcq+Jar9V/Xn1NSaWbe9zEu+P7sZPVT6Hj/9WaSyma63QMIU2pgAKSAc8dSewPevKv2bPjrb/FHwx/ZMl8iatZxAXIm+Xz0HRhjqcdfz+nqlvNLDbyedEhIyQEUbjjHrXXODg7M5Yy5iW3guoWkCxxuD8mQ3BBxyc/yr55/a6/ZwsPGOnXPinRNF85WiJ1O2hjxu/wCmg9G+mfX1B96064udQmUsrL5fMiD+McgcH8/5U6Vo43aMRRkDrkFjnpg+3PXNZTgpI0jPlZ+Qvj/wLqXgjWTYXK77ZyxtbnZgSKD0Pow6EflwQawkZgeDz6Hoea/Qn9qj9kzSPEmk3XiXwxo6vbzEvf2ECfNA4HEkZ7Ec+3JBBBIr4T8e/D7WvAGpNb30bS20jn7LeBSFkA7EH7rDuvbtkYJwu07M1aTV0YYdmxgHB9e9ODZPTHUc1H5hbAx1HAGKTk/MwAO7nrTJJBxKMkcn0pAVySvfrSM+SScnFNJRuQB0oAXOF6jHYCnFsnGRnFNy2N2VGM4OcUgLnDsQOe3egBflUj5j15Oc4pzHJzu4xwKaXVcNnPGMGkYDJbPFAD3IB4I6d6aAWOA2cHnHpRwmMKRxk4PWkJXgdPXPOaAHMzH7vTNDBeMnoeMGmbiAe/1/wobII3YIxx7UAO3J5mQtIDtBBIwD27+9J90HBBGOtCud2CeAORQAE7cktwOw6U4DgMABjoPWmgZySSwJ4ye1ISU+6Tz0PoKAF4UjCjHcmlZ02cqeOoHaoy4UZLdTjGeKVm5GQMHk4FACmTHCHI/nSlyy9+nTNNYhsDnOPXGaRmJ52gj1NADg7bAdw9800yOo2s5A/nQQSC23GO4PNIzMFCnGc9AM0AOaQ5wpXkdjTSxDBsjJ6ZNG4El9oyBx/nrSY3Hk8/7I70AO3FRhmxz93NDPu9evIAppkGfr69qaShGVc496AHtJggF/lPrjikLJkhuhHBFIVO4HJ49+KTzOflXocDJ60AOMgVhg9Rj0pN/zY7mk3Buc9uaazhcsDg+lAD2OW3h+g6GkLgHOR09eT7Um4oB83QcjNIHDRnAwMZ69aAF3bj0J6kYHQ+9KGGdzZJB4GaYhIXGzn+IkVU1LX9B0T97q+t2tqo5DXE6x/wDoRFAF3ICsxOTnnHamu5U4OMEdcc1x+rfHv4U6Kxjm8WRTsp4W0jaQH8VBH61yur/tb+D7UEaP4e1C6I6GYpEp/Isf0p2A9bUsykevb0FNyc5DYGSTgZzXgGr/ALWvi+6YjRvDlhar2M5eVh+IKj9K5fV/j78V9XBjk8WSQKei2kSxEfioDfrRYD6mklWKPzJZVXH3txwB+NYWrfE/4faIG/tPxnpyMn3kS5V3H/AVyf0r5S1TxFrutMG1rW7u6PY3Nw7/AMzVItzwSfSjQD6U1f8Aae+FmmjZZ3N7fMOP9GtSB+cm2uX1X9rwAsuh+CxycJJd3f8ANVX+teKFsD5ckHtmm528EdPWnZID3Kw/4KA/tBWVimj2Wv21paJwvkWavIi+gaXcce1U9W+P/wAVvHkZk1P4naxdxtw8P291TPpsUgD8q8XDZ+YgjnGfWpLW9ns5fNtpmRlP8JpvzFY9DM8kpLO7uzdS5JpQ6f3cZOOa5rTvHCFlTUolB7SIOPxFbtnqFneQ+da3Suh67fX39PpQg0RaVsrg8HH97P8A+ql3hiGGAeQ2WyaZk/eaRQMcZoZjwwk4PTFMZJvB5BYn2NO57j8SwqNSzfOXPB7kc/rTl25O4dBgZoAUluNpIHboKfh8bnI9jmmg46P09qGBClASeeeKAH5PO+UZxikHHLSDOM/dpoUDndn2wcUuV6N09qAOg8FfFP4kfDmcXHgjxxqWmHOXS0unSNz/ALSj5W/EGvXPB3/BSL9pTwnthv8AWrHVVUAH7baFGI+sLJn8jXgpIxu24AzgcnNIXOAQpx3yKd2TZH2BoX/BWzxjAqjWvhrDM4PL2+pBOcc8NEfr1rpLP/grvpYYG5+HF4rYwVW4jcDPocrXw3uySnGQemKG3A5XOD3ApaDsfa+t/wDBWqG4QR6Z8P748k7XuY0HbuN2RXJ67/wVN+IVzE0egeA4LZ/4Xub0uOvHEcaHv618qBgeMcg9u9KckH5T05HP+NAWPaPFv7fn7SfirckPiyDTI2BXZY2nP/fUpdh+BFeWeJ/GfjDxtetqHi/xLfanP1Mt/dvKV+m4nH4VlCQg53ZPpzRvBXPlseex7daAsGeBlgTjGCKXdxhwPlbueKaWAxknpkA0b+y8Y5+YdaBhngA5GG4BA/OnFgR8uQAOcYppdhnA4I9KFbjc23gcBeaAFdgMgHjGDTTgoCvJ79BS7sYO0ZyQW20bs5+YEZ4AoAaxPUcfQCkYIBncSD3FD7V+Up1HPFRT3cNtGZZ5QkYHLuwAoAdI3U7+ncCq9xPBap588oRFGSzMBx6k1i6z8QNOtCYtNT7RIBjd0QH69/8APNcpqut6jq8pe/uMgfdjXhV+g/rSbsBteIPHAbda6KSF6GYjn8Aelc2zNI5ZyWZjljmmtnoRk544pAck88+9QApkHPOPUUoPdR+tN6cNkY96OPXtQApOMBgenalJKjkfhimllHAGfTFBOM5AOT60AKeOnek6DgjB4pDgZ+vrRjHQdaAFzwMcUmTjnPP6UemfyxSkgHGRx14oADkDAOc0dvcUh2nqQAOo9aM/l6CgBTycZPJpOcY59sGgsemD9KTr0A/KgBSrZIz9MUhIJOOvpQvIHH4YpT02nIOKAAfd4OPpSHBPPXvQRjoPrxRnv15oAXqMn8RmjOevGT6UhPHAP4UZzg4yO2aAF9SR+lBG4Y/HikJOQOfwpRyDj8aAE6jIPbpQfQn60Ajtgj+tBGOB6UAKAV4bPuAaTf8ANyOKTP8AdPOOBS4z3oACcjnpnqBS8kDg9Kb2BzSgkcDv3oAU4BGe1IOXwDgUA7u/40Z3AYHI9qAADLfX1pQcY4xikwc7s9+KDjGd3OOgoAUkAY/pSDls89OcUAYG0HHHBpc578e1AByB8vH4UE/NuHrSd+vI6UEf3h/XNABkg47jml6Agnp6d6QBWPJ7HOaUj5fl6+maAEw2MgjrzQBjlSfpml/z1pMjg4P40AKOhBJoAOBgdulAGc7c80pyOVOSenNACfLjGMHPUUgwD06HrTiQPmIPX86TGOMYz15oAAQTnk+2KGAHPT09qORjp+NG3PQd/SgA+XBIz+VGARjt6ml7g4PPek+o+mKAF7dRz14pAMckH/ClHHJBx65obqefpQAcdh16H0ozxx+dDZ6EcZoJzzkdaADIIwDyRzQTgcjr1OaMZIGeKMDJHU+oNAB7dPwo/H6UN16dfagAZwx6dKAB/YD60Y4xn8TQT7/iKU89T9BQAik88/Wj/HnijYOQevuKMDsMDvQAp5HAHuTR2wfxyaORgkcGgAYyaADv7+uaVsL0zSDBOBkeh6Uvc5Oc+o5oAQFfpxwM0cnPb1AFKD3B/OgZHAJwKAE5JHH5mgcHn86TcSTk4pRtPA6fSgBdw7cUinPQYzRjJz24pSOenagAAPsfakUAjJ6/SlB5ByfxobHTI6UAGDwMfQUYGevPpS8ddx/AdaNvOMD8aAEDY+mOmaU9MZ6jjmgnPHPTvRjj3z3oAQjse/elGCAe31owRncOaXrj0x3FACAY79/wFAXHbilwAM4oGR2z6UAIOn8uaXIx0H5UncnGPwpRnjNABjnB7+9HbPP5UbsZP8xSA56YPuaAFO7nI6d6TgjpSnBJGBkHvQAB1GPxoAOcfMPypT0+9+NH1I47UcZ5HbjJoANxYfyNIePr2+tKB/d4BoPA4wPU0AIc8nJpeRyRn04owucEUd+/1oAQDH8Iz3NLjGSfypdpxnd34oHPPIoAAcj074zWx4K8G6l411ZbC0zHCg3XNyykiJf6k9h3/OneB/Aer+OdTFlZAx26Efabt1OyJf6n0Xv9K/RD9hj9gW3tbK08cePtPe20+IibStNu48SXMnB8+cdv9lT7ccCk272X9f1/XncYq13t/X9f1pqf8E/v2MbfwrY2fxV8ceHmiWBA3h7TJ4AzDPP2iVSR8zds9M59APr6+s4LwpOlqzyBRuikjKbVIzwf8jii1i8iLZ5bMkO2NVYdRx3OfypXugbOSK2SVk34bachkB5GQvPU9a6KVLkXn/X9fiZVKnN6EVk9vcubeMM8zMSSVOV5AyDnAx/nNS6hYlLWN4rzeWTHCkc55I5GD796rRWy305ZRGjoMI8bhW57HPHtVL4jeLrXwXoKajdNIzeWViRfm3v2x6DryK2iry0M20kVfFGqeI/FGu6X8KvBlst1rGtsltCI1J8vJ+8cE44ySecKCa/Tv9lT4A6F+zp8H9M8B6VGGnSESX9yfvTzty7n6nPHbtXzL/wSw/ZLvLeB/wBp74m6cw1TVYsaLbTqR9ntzzv2kcM3H0XA45FfcoAHSuCc1XqXXwx2831f6L59zqUfY0+V/E9/JdF+r/4AUUUVRmFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUdB60UUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFHtRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABVbV9Ksdb02bStSt0lgnjKSRuMgqetWfrRSaTVmNNp3R+Un7af7NHij9jD4yR/ET4cQtB4Z1O7MtjJF92zmJyYSOm08lfxXjAr1L4M/GOL4r+Ff7ZsmijuokzfWqkHyyeuOeh/xr7c+NHwd8G/HLwBqHw88b6YlzZ30BRg3VD2ZSOVIOCCOQRkV+TPxc+G/wAUP2Efjj/Ys1zO9o0pk0u+K/JfW+4ZU443AcMB9eM1thquioVH/hf6P+vPuKtT517WG/Vfr/XXTsfWZMYVpgxYTgHzExuGOnToP170t7OLeGKOXBEjDaQx4Pb61y3wr+Knhv4seERrej3IE6Y+02ob5omHXjuPT1reOyZI5lhPmA85wcjpke5z+tbSi4yszBNNXRflmUItxcWoO84xjBYY75PFeGftA/sqaR41srrUfDOkwyyXBLXekkkJKOzIQflcdiDx27g+1G98uKSNIBICf3e7oCTyegB96Irn7OS80JHHzKhOCfXr+lZyipFxk4n5V/Fj4HeIvh7d3FzZ2k81jC5Exdf31qRxtkA7dt44PfB4rgzgnaew6n1r9WPil8FPC/xMje7LRWepBD5d1Cmd+ByjqfvD/wDVyOD8WfHT9j3U9F1CW80a0g0+ZmPlorYs7o/7DciJv9k4X/crBxlHR/1/X9dza8Zar+v6/rsfPQdAcK/y5BPPWnklSG25wOoWp9c0HXPDOqyaPr2ly2lzEcPDMuD9R2IPUEcH1qop3ghsDBJo3QmrCtk9Bznq1BADHIJzzTVdRlOSfQ0KzKfvZwMDPpQIf8n904/u56UxHGSFYAepoZnz05BAIIpBjJZjjjj1oAd8obvkDgEUuduCFxxnkdKYWI/jy31/SleQnq2M8dP0oAcGGzGBx16GkBUHcXyKQu5YjJJPfFIxZGw7Kdp5xQAu9QT5hB9B0/SjO4AZwMdqR2ycZApOQQScn0x1/SgB/Ib5nwM/Lz0pplOQdoPPXNISWQZOG69c0wkAgsuSD2FAEoJRicdRxntSbww5PfjNRbnAySBz2pS4UEnnPpQNj8kc4B96QPkbQ3A7UjzMwxnGe2aASRvHPpQIUFlwT9QSKQs2eoA9aadvTkn0OaRgScbs46Y7UDHgkkl84xw3r60E7Fz19qoalr2iaOvmazrlpaKOhuLhU/8AQjXNav8AHn4UaMzCXxZFO4JO21jeXd7ZUbf1p2EdlkkZTOCM/d/wpT2JHbnmvJNY/a08HQAnRvDt/dMBgedsiU+4wWP6VzOrftb+Lpyf7G8OWFsp6GYvKw/EFR+lFgPoDceuQSBxx1pryRxIXkcKo6ljwB+NfLGr/H/4sasGEniySFT1W0jSIj8VGf1rmtV8R67rMhfV9burpsfeubhnP6k0WA+r9Y+KHw80TJ1HxjpyOoO5FuQ7D/gK5P6Vy+rftP8Awv07K2dzfX55wba2Kj6ZkK1817sjBY8+goMnTjmnawXPbdW/a+jCsmg+Cyf7st5d/wA1Vf61zOrftQ/E/UARaTWViO32e0BP/kQtXm+7PAP1NJnjpnHQmgDodY+KXxD1zcNT8Z37q33o1uSif98rgfpWFJM8zlpXZmPVmOSaj34xycEdR60m7b904OKdgJBgc85+tNyeSDnnoO1NLnPUAGk3rjacc9KGA8llxx9eaM4+8cemajJ3YXB5FBPb265pJgPZn7tn0FIXzyCAD71HuyBgj2yaQMvI468nNCYEm7KgkAkjscUbyME8cetRjaRncfzo3AfLk47DNK9gHg5GTnkZABpCcPg8mmFmJ5Iz70m4k9TyOcigCQsOFBxk9zSw3M1u/mwXDoR3ViCKjyOCQBnuT1pPMOc9jSA2rDxxqtqMTFZgOu9cN+YrUtPH2mzDF3DLCT3XDAe/rXIknGVb68U3IABHUniq5mB6HZ+J9EunCxarEnQESNs/nirqXVtMP3N5bvk/wzo2f1ry8leo570hf3OCPWjmCyPWBG+0SGRDx/FIv8s0nlkvkbRtPJEg5ryhXbux60GRiDuYn3zRzAerxvvHyMoOcZyBTzFMAV3LkLkguP8AGvJUkOBh+R2BoZ2HRieOxo5gPWfLcnHmJ0ydrj/GlZWU/MY2PXhlP9a8k3EclsH13Um9hzu4780XA9b2hdoGw+g3g/8A6qWMKy5RlxznMgFeRiRx/FjHTJo3nJYOeaOYD13yivWSMgcE+Yv9DTfKbgiROf4vMXA/WvI/NkwBv69cGgsxIUsxx15o5gPXzC20FyhJPH71evHvTVVdxAlTIHPzj/GvIg5PVifxoLv/AHyPTNHMB695ZIIR09CQ4/nnFIF3BSjplv8ApoM9fY15CHfoM9OeaA7n+I/XPWjmA9gMRUbS6H1JmA/XNQyTW8X+vuoFDf351GPzNeSM7ngjI+tGS3QnpwKOYD1C88R+H7PPm6xbnbwQkof/ANBzWXe/EjQ4Bi3WSc46rFgZ9yf8K4I4J4Hfmg4xkk0czA6W/wDiTqkx26dbRW646kb2/Xj9Kw73U7/UZPNvrySQ5zhm4/AdBVbO3Az+VHqQam7AVgM/KvSjnpk4z06UmRgnPP1oHAHXnsaAAMOQFx74o3Efj7daTBHHvR1P8zQAu7nnr7nNB68Hk+1NHIz2x6UueSKAFDZyRzxQDgnPp6Ug4Hf04pN2Mn2oAduCj0PtSZHTOMjpR83Rjz6g0EZIwfpigBeD1/lQOOg/Omheepx6Y6Up6YUdfWgAI+lKcYyv+RTf9kjHPWhcHGCeTQAvbJwPSgFT3HA9KMdMDAA4zQMYBRTxQAA8YB/AUEEYP6Um3IOM570Y/hI4xxzQALk8Hn1o4Y9PwzRk7sE9+eaFxnjOPWgBc7ec8d896Qkg/MMAnsaUEEZC4+tAwOcHP1oAXgDAPP0pO+MdOAB3owc43de9GDu6HoaAEJ74P4UvQ55J+lIfrn2zSnGT275FAADu6dO/FIAR7jNKxBOOgoHzDBFABgjkEfjQCVOCetKRx85+lIcjvjFAASMZ6YpFH8WfbmggkZPb9aAeOfyoAXcvGBx7CjI56DFJk46dT2peSc4zQAoGOWGfXFAORhRmjIPXjmhM8ZNAAvTPUnrxSA4XrxnrnrSgnoh4IOQRSHI42igBcY6/yoz/ABentSEnA5/MUfL6daAA8Uo6njGe2KGyCSOvSkII7jnrzQAoGeT+tIeCeB+FKcgEc4xzQFGOT70AAHc5x7mlGc5U9+9IT83BzSqQOMcn0oAQkEH+lKCB8p79qTaVPBoA5z1/GgBc4/Htmj5vpxwKTkZAHPtzSjG6gAyoPOeBQR7/AK9TS7Se3056UhCdsY6mgAAzx79aQkBuRnPpSnHtzQ33e+B3oAOOoHUetHYjsR3FB5GT+HFLwegz+FAAN3Q5/CkPQ4XvxSgH06jg+lIuM/1xQAv1HfnmgkngYx1o6HOTj0oAIGSe/QCgA6HAH5GjBJAP45NAznJAx2Jo4znuTQAH5eoH4UE/LxjFByTkAdOPal5HAoAQgtg5NGTjgUoDEZ5OPWgjrgAfWgAweMgg+9BBI/maBx057c0fhzmgA6jj8jSDYRjAz2oxjilx6Ec+9AABjnH1yKMgHH86MnGADwKMHP45oAMc8EZ9c0HnA/Kl4HbvijoMOOe1AApJ79DzS4zjJzg+tABHII680mB04NAAeAMD8c0Yzz0I9qMcEY4HSgLt6Z60AHIPK0vQcY96McnOPwpMDIPWgBenUk8dBQQucDrSrz1I/OlyOgyOKAGMAO1KMKMkflQTg9SMnj2oJXk8fSgAH0GR3o5x93tzxSnOcGk6HqKADPJPT14pR69ee4pFwzHnBPpS/L2P50AB55AwPSgkDkc4PNHUcH86Xnjjge9ACHH1zR16j8KXAxk9/ShuT2P4UAN5zkDmlKngE5FLtPfp6Yqxpek6lrV9HpukWMlxPKcJFChYn/PrQBXAGOPXnmu2+FXwQ8TfEm+hMVnPHZyyBI2jiLSXLZ+5EvVj79B79K9a/Zp/YV8b/E3WYpLjRlvfLIa4ViRaWo65lkH3z/sLn8a/Rf4Dfsm/Dv4J2cV0tl/aGvSxbTqMybUiGPuxIB8iYz7+p6UJSk7L+v6/ruVpFXf9f1/XY8y/Y3/4J/aT4DtbPxf8R9Lt0lt0WXTtGB3rA/aSbtJJyDjOBjPOBj6fTTNTmiQvKEJk58slc4HIw30GKWGW8tLp5Ii6IRskRX+RcD68ULcXsFw0cStImcSeXL34455z+ldNOnGCMpzc2L9qu44bhYpdzGULhm5XAwCcY9OvvRJdTWtnESkbyRpyu8jJ79cen/66mbUk2ZZo5HTLLyQUbnuQQT+lYvi7xXpXhbTjrGtzCFtnzBcb3P8AdHv37ZrRK7M3ZIXxFquk+DNDbX9Wl+yq0R8qIHLMTn5cYzk/061qfsQfsyeKf2z/AIwjxr43sGTwboMw85HTCXcgIIhHOCOhfjHQc5OPNfgh8Jvil+3l8ZLbwVpMstto1kQ2o3e3K2lvnrnoZG5x26nGBz+wXwT+DPgv4D/DzT/h14F0uO1srCAIAg5du7MepYnJJPJJzXLiavM/Y03/AIn+i9f66HRRpqC9rNei/X5fn8zptI0rT9D02HStNt0iggjCRIgwAAKs0UVmkoqyBtt3YUUUUxBRRRQAUUUUAFFFFABRRR0oAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAwKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACvMf2pP2YfAH7UHw4ufBPjCwAm279Pv4wBLazAfK6HsR+oJB4Jr06ipnBTVmVCThK6PxN8deEvjb+w/wDGB/DmtRvA9ux8idcm31K3zwwDcDtkHlTxzwx+kPgz8cvCHxl01GsLjytUEGbmx3/6tum5eDuX+VfZP7WP7Jfw7/aq8Ay+GPFlkIr2JS+m6lDxLbS44YH09QeD3r8h/jT8G/jL+x/8WZNC1l59PvYXLaZqlsCsd1EG+8p7jGAynkE45BBPRQxHN+6rb9H/AF+K+aIq0Vb2lP5rt/XR/efb08kNyY4Z3IZMh3kOFIHOen+RmpUuI9g8u5JcnlW7D24HH0rwf9nj9svw544MPhH4jR2+la02FjmZQLe6I4ypbgN7E17dpz2szGRLh8q2QQAVG49CM9zx+FbTg4sxjJMmjujHJulkUAsdrOw4/XJz9Krazp2k6tpR03V4ILqJlO+GaEMM5646+nP8qbtje4m8+6WRnIUShlypPPAAyeP5dac1zJEGeJmcquDvXdjqMj+VRa61K1T0PFfi1+x74e8Y2xj0Wyt7u3ALDT7hiPJJ6+TL95D7Zwe+elfJ/wATP2RfFfhjUJY/DRlLKSBpup4jm+iScJJ35+Un0Nfot5vDyz7lU4C8lAx49OhqpqmgeF/EVrNp2v2EM8EiZQTRqVVuhIJ6HnqOfSs3T7Fqp0Z+TetaHrnhu+fSdf0m5sbmP78FzC0bgdjgjP41U3OAWC5JHANfpH8QP2U/C3iyxktLN4JYQCbew1VBNCF9I2PzxH3Q5rwD4j/sBrp2+70y11DSjnh7Ui/tcdegIlQe5LH2rNxkty9GfLQf5eUH+FO3MW68Yr0DxB+zB8U9ML/2NZWmtJyT/Zl0GlOP+mMgWXP0U1xGt+G/Efhqc2fiPw9e2E2ceVeWrRN+TAUuoWKxbuDk9uaYMv8A6xMewpPMXGeuOnHemnHJyQRzz6CgRIPlJGQfQCkDsvEnAz60zfknBGfzqpqniDQ9HG/WdZtbVccG4uFTP/fRoGX8hlI3DJHbmmncc7QScVxur/Hr4UaRmOXxZFK3XbaxPLn8VG39a5fU/wBrfwdbFv7G8OX9y3rMyRKfxyx/SnYR61uKjIJJHJwaQ7gwct7fSvAdY/a48W3JI0bw3YWwJ4aZmlYD6gqP0rl9W/aA+K2r7hL4skgU9FtI1jx+Kjd+tFgPqWWdYkM0jKoUckkAAVh6x8Tvh9oeTqXjLT4yvDIt0Hcf8BXJr5P1PxHr+ttu1fXLy6bsbm4Zzn8TVISfLycnuadkB9Kat+0/8MNOP+h3V7fMB/y7WuAfxkK1zOrfteqNy6D4MJ/uyXd1j/x1R/WvEgw6kAHPbvTQcdOeenahagekax+1D8TtSyLOaysh/wBO1oCfzkLVy+r/ABS+IWuM39peMb91P3o0uiin/gK4H6VzrsPqewpevA4Pb2poCWWZ5HMkrsxJyxZsk1GSRyRSFiTxnApA2Bt3DmiwDixOMAHPegEg5LfTioyxX5s5zQrgk4OR3waXMA/cBklsH3pAwLEfgTmm7+pH93tSE4XGeKVwJPOB4z+tIXx06Ac5phf+HkZ6jNGcjgcZ4IouAu/jJPQ9QKGYYxnmoy24DLEZ9KC3P+yKLgPwQM5zk896T7pI9umabv4ycg9M0Bl3YDZpAOL5PDEY68Uhw2FAyD1NNLd1Pf0pqkjO7r6GgCQs27HPPvikBG3qMntn2poKZB9O9JvwfT2xQA7cecZ/PpQGycjHHSmgkHjv70jEDPOKAHB0+7njPakJHAzx703cAOvbjIpCdxweaAH5wM/ypN3YD9KTdk8D8xSZ2ng8mgB+8DgDP4UgZlGeR9KbuY846dKM5HyjpQA7K5yDmkGR7ZpvIHHT1o3Htk5PJxQAZwT8w6+lKSNu3PBo6cEYx2pu4g4wAB0oAXI6qe9KWAIODz14pvA7/pSZUfj6UAOJ4wc89TTRu/w4oJBAHBB9KTJPf8COtADs55wePegkEk9h7UhPt+tG5SCc/QUAGdzYHAPrQCO/r3pvPQEAduKU7sEgnHYYoAXJzkn6UA8HAP1puT07/Wgg569fQ0AO3Ecn+dIMDBJzzzSEkYGD170EkHg9D2oAdnnPA/Gk244PHoAKRgw9MCk9MDj370AO3ADIBpBxkdx1GKQHGAB9KVjyMj8cUALngqce1J0Bx36UmTnj0oHBzngHpQAvQ5Bo+bHBHJoPUcUMVHOeh6A0AGeMjr6CkXvj8aMAHORRuHTH5daAFByuOT6c0gJ3YJ6+lKOvf3xSdR0BoAMj8MdaUnGecgU0Z549+tLz0Ix9KAA84DY9QBR1Ix69QaMLyCOnTNGcfT+VAABzk8f1o/iyfXrSDgZB+lGdwxt70AKCQM9/T1peADu/nSE8/wD1qOnfv2oAOP4e/pQMDr69qMEcDP5Uh9wRQApPOAT160nbPQn2pW4HPGPXvQcfe28gcUAG5snkDPpQpyaDkjrzS8cbQcdxn9aAEbB5xn1GKAOOT39aByOTjHQUDse/oaAFHTocdzSAnnIHWjGDx+GaOMnj8KAAgj5lNL0XntQcDk5PPOKCe4HfsaAE3DNGSBk9x3pSCDzgn1NIOeByR60AKV+UYJ54Ao+YnOSMnrRn8fajnpzn0oAM84AB9M0cDp0NBPGPT9KOaAA+4zjpzSEdCMUuAec447UYH5jOcUAB9W456elHy/8A16OvU/hil6Hg8dzQAmduMmgk7c9j7UrEAfeJx3zScHLHPHcGgADDg5o4ZsHHbmlP97OKCFySSPpQAdOmeffpSZxyTnilA+XOeccEmjHzccH0oAOaPUgAc96Pp+lGTn/GgAzxk/mKC3uPwoA28nr70qjnqOe1ABIBwDjkUDHIx3zQRjHHXjmgEgHBFAAwBJJ70DOOeaU+/B70m1c4J/OgAAycA9B09KM9Dx70YAPCk+lHU0ALgAjnr6UZC46/XFB44zyR3oPfAPTmgA64AbOegpB6qOlL/DyefXNJwBjj2NACgHkkc89KQ56+3NKCvXBzjgZpAT1xzjkUAHTjA56UvBP9RRhQex5pOozjmgAIII5FOAJ+YfjxRt7ZIpBkLjqDQAE+g/HNKDjgjPPYUh47/pQMnnHT1oAUr3z34ozxyD14zSEg+ue5pRjgg0AB4PUD3oyOeDxQ5HTBp2OOew4yaAGkZxx379aQ/ewDxzxTiuR1J9KQDIHPSgA6c5z6A0oGD0/KkwCcH14FKM9evbigAPXrjHrSLgDGSB65p23tjP0pDnHHOe1ABx+XelB54/nSLkn6+tKGI4x06kmgBMfzpRgDAz0pD1PHT3pV6dqAAj/aoAPXOeOlLx2HHakUcdTz6CgAJPr74o5yMN370oA56UcYxnnPY0AJwQPWlywOCOaOOvIGOlAw3vz0oAM8Y70mASMdPTNKSG545oyOev50ALsAJwefakAJ4I/TrQDkAEdOuDR7k0AAPHH5mjtnaM/55oO0nJ6e1KqjGB+INABuOMg9aOR81T2Glapqkwg0vTri5fPCW8LOfyANdf4Y/Z9+Jvia4WGLRltfMIC/anw59ti5fP4UBY4kYPT9an0/S9Q1e6Wx02wmuZ5PuwwRlmJ9gK+rfg1/wS1+KHjKWG51zQrzymG4tdn7JFj1wcysPoBX1Z8If+CcXwu+HNtHc+KrlbxkAM1lpy+TEP8Aeb/WSfUlaajKWyHotz4A+EH7HPxK+JmqxWR0q5LEgmzs4vMlwT1dvuRj3JOO4r7k/Zu/4Ju+GvB1kmp+P7CFYxjOk2k53TNjP72Yct/urgehr6j8L+E/C/gqzjsfBXh+1tLBMO8NnGqAEnALEcsenqTWgkcy5khYAliAAw3Hjk4zzn1rWNHrIlz7GZ4b0DQvDVkmieGvD0VjaW67kt7SNURfTheT7mtSBfOk825YPCWJKySNuOf7vrkdqbALR2ENxDLGVAUz54bPHJxwOgzSWjWkMbxKiKufmQ4Zj+uMc1skkrIybd9SaOa3nnkFrBF5m5eG+XK984789fWluLuxWXe8TxKzDzHRNuAPcHnmo5rZ2iV7e3XyyPlTcOCOCP1rzj4xftI+HvhrYtoekzJf6vKSDbo4ZI/98Ae9VGLkJux1fj/4p+FPAejG/wBYunM0fMSI4LzdSOPx5PavJvhZ4A+L37cPxitvBPg+1Lozhp5mBaDToM4MjkdTxwOpPHTJHP8AwH+Cvxn/AG3Pi7H4X8KWjzzySLJf6jKhMGnQk/eY9BxwFHLEY6AkftB+yD+x98NP2Rvh1B4R8HWImvpVD6pqsygzXc2BlmI/IAcAcAVzVsRa9Klv1fb+ui+/z6KVJJe0qbdF3/rq/ki7+yn+y18P/wBlb4aW3gfwbYgz7Q+o6g6jzbuYgbpHPcn8gAAMAAV6lRRWEIKEbIc5ynK7CiiiqJCiiigAooooAKKKKACiiigAooooAKKKKACiijpQAUUUUAFFFFABRRRQAUUUUAFFFFABR75oooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAoo/CigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiijNABRRRQAUUUUAFeb/ALSP7MPww/ac8CzeDPiDoyyEjdaXsfyzW0mOHRuqkfkRwcgkV6RRUyipqzKjJwd0fht+2l+xJ8U/2VvFslnr9g99oMr/APEr1+OJhG45wrkcRyDj69QeoGJ8DP21PGXwdnh8O+NfN1nQYmADCXFxarnqGP3xyeD+dfuN8Q/hv4N+KPhe68HeOfD9tqVheRGOe3uogysD7Gvyv/b1/wCCRPjn4Um9+IHwDs59c8O4aSfS1Bku7MdfkxzKoHb74/2utaUsTOj7tTVd+nz7Pz/IJ0YVtYaPt/l/l+Z6P8Nvib8PPiZpn/CT+CvFcd/Ds3vBu2yRZPQqTlSPXpXTW8mnsYVKyEsSfJQHB9Dn9favyhtvFPjv4R+JBrHg3W7zTryBj5nlOQXIOMMCeR7fnX0h8BP+CocEskPh745aMIJNoVdcsYwWJ7blHA9yMfQ12KMKivB/J/59TlblD4j7IDXguZYYHVwT8qYY4x265z/nFDxSiSN47YqNu1ndNqhie3Ga5zwX8SvAXxJ02PW/A3iSxv4SN5NvKWPPdkwCp+oHNa0/lPbt8ihtoZWLty3of8OnGOtQ046MpNNaF65WK1tTJbDcRIFcKC3Ptn1/yaSW6lBFy8SMJIxtjK7S57EkAduappJZS2nnyujkEDbg4QdyPU+lMinjkuBHIVO5cM24bue+A3p296QCa94Q8N+I4jb+INBs7ncTiYwK7Be+D1U8461zV58EfDN7byWNnfX1nFICEtY7kSxMMdCkwdf84rqJNT8pd0gV1LYjRWOM+uQcf0pbp54XF5aJGzdEjLH5SRyck4Pc+/FJxVh3Z4X4y/Ys8LeILWSS3stFMxx8kugLEwJ45a2aM+9eUeMf+Cb3xAvRnQb/AMOWcTufntdRuYWx9Jopq+yJcLpslw0chXb8zqTubp2HJ6dqQw3c9rbtDcGJEjzIoX7uR+J/rU+ziVzs/PLxL/wSI+KuruftnxB1SdSDvitPF6qnTsv2RRXLyf8ABEfxDNOyyXmqbiu7c/iC2J6c/wDLDrX6ZRSyWsoWQJNKMbQBncDyeo9sYpDJDFKkBuBHLIzA5QZVcdOOnXvT9mg52fmXL/wRH1XOI59XJK5z/blrx6f8sf8APtTk/wCCHviJlXdNqS7xlWbXrULjGc/6npX6WyPFuKR4mDIMME6YOf8APJ+lPhmt2tltZJLgquTMrvkDuBgA/wCRR7NBzM/My4/4IgeI4o41h/tYu7Y5120GfXH7n/IqKT/giXr8XzMmsH5fvJrtrgH0z5H6V+msEyQgQovmvsbagycDPPOM+n5Uy1glmVUhCBB80hj+8DxjOSc8gUciFzM/M6P/AIIi6+9v5rPqikDnd4gtePw8jNOk/wCCIHiG3hFxLLqrLt3fLrVt0+ggNfpfBczTPFDbxs2Cd2EJGO7e3X2qOPVZNgtrlkCrHtRC2dvI/T+efajkQczPzRl/4Ika7Fbfa3u9RUbRhW1y1B6Z/wCeP6Us3/BErVbYFJbjVDJtDAJrtrxn1/cf1r9LHBuLVWlhaMQkvgE7Rz90+meOPf2oL38CtKB5DSx7uX4UjGevtn8vyPZoOZn5pD/giJ4gUq0s2qBWAy39uWvP0/cVHP8A8ET9UiUSC81Mqf8AqOW38/Ir9Mri4uoolt3dMK5P7sMQuQCc4z+v86gmuZLlJGa5+zWyuFMwzhSPUDpn3pckQ5mfmxF/wRF1hjg3mpn0EevWhP5eTUc3/BEzUo5fKF9qZJ+6P7ctTjnHP7n3r9Kpxaxq102oxMxfZ53BUE9tvvzyTmkaeHyYBDK7TrwBkHcM5HDZxzxTUIhzM/Nc/wDBEzVCpkjutXVAcbm1u1yCOuR5FMh/4Ila7MCy3eqEn7qjWbbc34CHPav0rQSxL89ttYYwhX5QQeuMcnr+VR7CxaTcpSTO/luoHTPHvRyRDmZ+a7f8ER9dRDJLc6oiqoLK2s2pbnPGPJGOhpp/4Imay16lklzqu9iCD/bVq3B+kNfpNLf2ouY2RFjBj2yFgQwb1HGOlOdYEWSBSiyDDE7slhj/AD/hS9nEOZn5rx/8ESddM7xfa9TG3gn+2bb8B/qevNIn/BEzW2DGS51QBSQW/tu2x/6Ir9JY7iKOPBKiZWyVBDA85yMn6f5FOF9IrCFX2kKT5rpnBI4P9e/4UezQczPzY/4clazLETDf6mzbtuF1y1I4GTn9zxUY/wCCJviFpUgSbVAxGdzaxbYx/wB+a/SdruWPbbOS0ecl153sexOSQDTrmVRfRQNasjAbslyeOw444zij2cbhzM/NhP8AgidqjyNANT1APGQJM65a/j/yx9DTF/4Ip6uw3CbVmz0263a4+p/c8V+k09pqkcpaS5Ul3D+S/KleuBjoO1I85ks4wkZjUg/vUQEgHOfw6d/1p+ziHMz82ov+CKOtOdsl5qaOzEIo1m2bGPX9yPzoT/gidrk23yLrVDuBJH9sWxx/5B4r9J7VraZJbmK4VY0l2xxsOM9yeDk4z9KriZImhmFoy7dvU4O0HPI59f8AGj2UQ5mfm8P+CJ+uIpkuLvUVBO0Aa5ajJ7nmHp702P8A4Io+IzI6mfUdmQA/9t23X6eT7V+lM92t05mWZg6ybozK33kyORxx16Ht9aguZftsKRKgkVHJEjtkbupB45yf88UlTiHMz82H/wCCLuso/wC8k1WMA4YSa1bZz9PJ4qZP+CJviF7kW6XmobmbAH9t2xyPX/U9K/SOZ/JgE1x/rDNlxnGevQckHtjPemLfXMQa6STYElKxuyk4AHYHnIx/nFCpxDmZ+bcn/BFfXI7uO2e71QFz1Or24HHUZ8njoefyp5/4In64Lw2r6hqAO3JLazbL9f8Alj7iv0jN+b9lYurlHwzlSQR1BBBz2xz+NRyW8xu/s88wczlmIRsNEo6fL3HTn39RR7OI1Nn5vH/gixqssqxW17qbAjJJ1q16noP9T17YpIv+CKms+YYby+1KNifkD6xbKT/5B/wr9IlN8m2HdGViP7yJ8k7h/ECPoO3cU251OSEy3cqlpI1JXfu+V847+meMfgaPZoFJn5uP/wAEXtUjna0e/wBSVxzufWbZQfzhqWL/AIIo6tKg3anfqQAZCdatsL+Pk1+jEgcRO99qREhhG+OXIL9Mkblx7fypkSi2mjjW/O2J8+UxHzAjqCME8Y4/Kn7OIczPzkX/AIIvakS+dQ1M7SF3DVrbBJOOvk8Ckl/4Is60ihFv9R3k8g6vbkDnBP8Aqa/R5rhRdO2k3BuIo1zll3Hdj0xkf5/AuW3NJBcN8wCr57DnBPA4HPY/zo9nELs/ONv+CKfiFAWW71JlAyzLqtvgDrknycDikX/gitqo3B9Wvyyx7yBq9uAOn/TH/P6V+jkkULxoHTzApIkEeSVQgdBnAH/1vSo9PaxnDm6nQybSVVix3cHAyePX6UvZxDmZ+cMP/BF/XLiB7gajqConDM2rW+Prkw+lSJ/wRb1w25uPteoOOoCazb55xj/lj1r9GbieGY+f8kkYkUkA7AOOQO/UHjjr0o+0vbHyrSVVjKgui7cnr8pwevP498937OIuZo/OZ/8Agi1rALI+o3yFFy27WbYD/wBE02f/AIIs6/BNj7XqLIWwhGsW3PTofJwetfo86SSASrLEmFw0W4kkfX8aLWS51F5LhldZS4PlI+BGwJPB75x+eKPZxHzM/N9P+CLuuyW73iXmoeWo4J1i3z245hFKP+CLut+UJVv9QK5/6DVsMj/vz6/zFfoxZG51G3m+yTJzIcbi25gMEk559un50kp8mRRfGSVVYKCzZII479QcdPb8z2cQ5mfnJP8A8EY9biYbbzUmBHLNq9uP/aPNPl/4Iv6xExU6lqBKsUdf7Xt+GAz/AM8TX6LzNbxA3N98rFMLsT5VJxycHJxn8SKfdEWxH78SzySlnAU4JI4ORjp0HNHsohzM/OI/8EYPELqXh1C+KgZLtqsA4OMceT+NJP8A8EXfEtuxRr+83IF3f8Ti2xkkj/nlzyK/RkOQs6wSzK5wEjMyhTtO44x0HH6Hn1kmntLGfKTBFkYN5a5yWHsc4GR04+lHs4hzM/OB/wDgjR4hiQyPcahkKDs/tq3JAOeTiD/OPWmwf8EZtfuFZY7jUNyKSQ+s26jHXvD6V+jJWW6uXdSqPKwDxk528Z78Z5U9MjPQU+S6S0Z2gLOSyhBgdOPlbH5e/v0o9nEOc/OmL/gi7r8kLzi9v9sbBS39sW+Ce/8AyxzUVn/wRl125iklbU7xBG2GD6vAu3pycw8j3r9HWvbu2keO5nUjcvmjBHmkhcjp1HT0xSI6XLzqCESVQRLtPTPBPt249KPZxDmZ+co/4IzawIVlm1a6CtkI39t2+Djqf9T0460kf/BGLxHcQealzqAAJBMmrQcYPtD3r9FUijWTz7ZSFjcqTuJWTPy7s98kj8sGp7W5cW8j3E8RJXcdmd3BGCMdBuOOPy60eyiHMz84JP8AgjRrqhnTU7w7CN6f2vBkH/vzxRF/wRs1eZ8/2lehQ5BH9tW+7I9vJ45r9GS97JOttBKqIu55QinI5IyQOcDimGKKSBZBqi3AXqyPgnB6ncCcd+3AzQqcQ5mfnXd/8EZ9Xs4jNPqd8AANobWLcHHTvDxz+lJD/wAEa9auHWOK/viTGGJOsQDrjp+457/l+FfopbXlulvILu/VkX5g6AKS/bjt1z/nBVDdzWAuJbVo3YZ3eWQWGcEZx0xg49eoz0PZRDmZ+c0f/BG3X5WZE1O7GMYzrVufz/c08f8ABGTxKsxjlvL+MKOWfVYPTJ6w1+iZkCJ9qtJfL2qEKI/KZHr1Gcn3+tRTzwsilE5M2R8xYMGGeOM9gOtHs4hzM/O25/4I4a1AsbjUrxxISF26zb/Ng9f9T6U+X/gjR4gtGRbvU7tGfoG1iAY4zz+496/RiR7JwJlmV2lDCOXO5kHYD8h+HXqRUMipBO0bRruIzC3m8bsdGGcDnH9KPZRDmaPzs/4c0eJEcxyX14CQSuNYt/1zDSp/wRo8RuHRb29Mix70T+2LcHr3Bh61+ict7OLqC2mUOw42klQBnB55znGc1JJe3VgWLFJGn+SSVSN0a7sHjv8AX34x0o9nEOd3Pzjf/gjh4kgASW4vg5crgatBxjvxB/npTz/wRp8QqwR728TK8btZt/w6Q9/Q1+id1sWxWWKByJXVC+Tsb5RgnA4zz1wPwp18l55sZa8jESw4VlX+LO32PXnB+vfNHsohzM/OuL/gjbr7SFDeXzE8jbrNvxx6CHtyD9Pao7f/AII3+I3Dma5vV2puI/tmAnbxz/qff6+1fopDL5iSf6NmZeCUTcmcHHPHt6Y9PV8Js0ne1huAj+Wz3MhQYx/T0/Tin7OIczPzp/4c3eIHdokvrsFX2kf2zAT644h6gcmnRf8ABGXxZIXMl3dRhUBIbV4R3wB/qe+P5V+iMrbzKllasdrB1ZMhtxUBcbh6A8+3epW+y30cccy4Q2+Ms2Qr7vYcn5s59wCaXsohzyPzkH/BHHxK03lR3l0Sy7lI1iA8AZOf3PsR+FRS/wDBHnxMo3CW9Kdd41iAgg+mIa/Ri3vWuLeS1clnwm91k27MrwQcdgeme/tS28M9uWaWdWVEPJjGOAc5HOc89KPZxBSZ+dQ/4I4eJxGJ2vboIV4zrEOc/Tyf5Ut7/wAEbvFlkAJLi7O4rtK6tAev0hr9FxczTPJawszhbckyNGx5x6Dp2+tI2rSXkZcOtxOoJCFDkEEZU5+o6fn1o9lEOY/Oyb/gjb4it54on1O5IkACn+2YOuRn/lj0GabP/wAEdPEMMvlHULpyrqJAmswHZx3/AHGPx6V+i1zDcKkc4+ZVGyO2LY3nJOct3zzjnp+FNja9sy1nBOu4YdmfIDKQQBjjHIz9f1PZRDmZ+dn/AA5t8TwPturq7VT9xv7ZgxjPXPk8iopv+COviS1YrLeXZA53JrEAA+v7mv0bvJk+WN9pRERGVVbGAcYHrzx3z34qtILi58u51C4FuxkJQkERnPG35enYEdeOeuaPZxDmZ+eY/wCCNviVshL26ZtxGwa3bc4/7Y+lMb/gjtr32gW8V3duSCV2azAdwxkY/cc1+hU1pEkaywXXlK2SJchgSMDaBxjk549cZPBM91dEiJ7WVWuWC+dGmM4wMYwD2H4A/TD9nEOZn52t/wAEdPEywiY3V2FLABzq8OP/AEQMGhf+COPisxtIJ7xxjI2atCT0P/TH14r9F5oJ4pI/tbKu7LHIKpH9OOnI6+9RW0YgBhhJbb8ys2cdT+Z4646kZ9j2cQ5mj87l/wCCOHiYFRNeXiF5NgU6vACPX/lj2PemR/8ABHPxbJcPbpdXZKKSWGrwleO+fJ6f4V+h6TW8WoGFpxGhUbcqQwJA3ZHuT/8AXOKddvHPmG32rhiGjJ4QnOCT27/Tj8F7OIuZn53Q/wDBHnxLKzxm9uBskxzrMIzjr/ywpf8Ahzr4nyAbi8BIOM6tD+H/ACx9jX6HQGcKgsHXzVZg38QzgAMPbGfypTLc3CSlGUAkfvGzt3deBjuOev40/ZRBzPzz/wCHN/ixo0niubry3GS51iAj6f6nrz0plv8A8EcvGE87RK94NpA3Nq8Kg578wdOlfoks8880dnJaMiRqdvlNxLhQc/7PqM8fSlieW31eS33yAxRgqxVuOTjbxgj5h+I5peziHM+h+daf8EePEzo7R3d0xQ/MF1mDj/yD19MUjf8ABHnxWx2wz3UhHOV1mDA5PfyfQZr9E3tb5YnknuixQlpFBICgk84A9BTpN0qrMYnjhCnJjjHK4HyjOOvt2zT9lEOdn51P/wAEevEiRxym/ux5i7sf2rEMDoTzB+H4cU1P+CPXjGUlUuLgkHknWIAB7H9zxX6JTSWbacJTdkBkYW8aLyFyPb6jPpxxipLa8HnwzTRSIHyZGUge44z1AHPv2o9lEOdn52j/AII5eMTCsouZz5gyo/tuDIHOP+WPtTIf+CPniiXaVku23EgBdbgJJAzx+59xX6Ih2ggWYMY5VBMqlvvgBiO3t6etMuHe8niuLZUT93+6yC29QOMrx6evP0o9lEOZn52j/gkB4sLbGN4jMdqb9YhAP/kCrCf8EcPGTO0UVxcO6gkqutQce3+p/l6V+hkMgs4Ele7BIDEhQC3bBBz04x17U+O+1EbbvzggcsqyyZyFHJwf8/rR7OI+Zn50xf8ABHzxVJe/YjdXIOzdn+2IcD8fJ5qRf+CPXilQ7y38w8oAuf7agxycf88fWv0Us3jW8ja1gz1y/Iyeh6HvyRkdqry2bmcxod8yoWWdgehzweDj1xS9lEXMz88T/wAEevGEg/cTXDBuUxrMHzD1H7nnHGakH/BHbxXna97cK5PEbaxDnp/1xr9FYbi6kdbmKVGjZQyeYm5wSOg9c5NRG8mtojFA4eWQhFaRTwOepIJJyPyo9lEfMz864f8Agj94rlkMf2m4GMZJ1uAbj7Aw89ak/wCHO/i3HmNcXBGDgHXIBnHX/lj+Nfoc6oGktzfJ5jSBmhdSrIxOOGK/gceuKS0EFpctEbvdC6eW0ZUFlB4OSMZIIA6dPXFHs4hzs/O61/4JB+JriKOVJbs+YcYGtQf/ABjAof8A4I+eLElWM3NyCf4G1mHI7jP7jvX6J24uJJXFozbARs/d9OegPY8Z7U0xmaEZUgs2VZlI3Hgcj8/pgUeyiLmkfnk//BHXxmG37roIPvSHWYMYJ658nFRz/wDBH3xVAspN1cHyceZjWYOM/wDbGv0UZYbhGMihmMZ+fzDw4GQGGenpj0qO2ntBCbqSLIRgMOSEz6jI/wA+lP2UQ52fnYf+CQfiz7OL1rqZYmyF36xDknOOP3PSpv8Ahzv4v2K5muSr/dA1qDI9RjyetfoVMyR3HmuUkUE5dW2kKfukA8jrUn2u4ifLXCSRAko6pgE/h/ntxS9lEOdn54f8OevFxRSLmf58hAdag/8AjP8AnNNuP+CPnjOzVzNJc5UZG3WITxkgf8sT6V+ikxuWkW+3xPt+dLeaQgMxHXPbrjofWlihmntn1D94Cq7pTGDkAY4xjBHuBT9lEOdn51f8OffGMcAmkmuFB4JOtQjr048jNOf/AII++KlIxeykMR012DOOxx5P+cV+iEcF5e6XFDBMqAcuTk45wSSeQcDP49qjjjWFTLdJuL58h1BywxjnOeB6+gHSj2ULBzs/PJP+CPvi9nVS1yqu2FZtZg/X9zTT/wAEgfFhRik9wNp5Y6zDggcdPJ9a/RK4f7NDHE12q3BIWIBAdmB6AnPb8KW6MIuFtbe5MqmNlcY47MeOB29+2PSj2UWHMz871/4I7eOGZNz3CCRwFZtYhHH/AH5/Wmzf8Ef/ABhBG0hnmYA4IXW4OT/346V+iemz+VCyTBmQTfOnmLjbg5Oe3HH4/WnIi2TqkSiTbu8qONzwpUYGSMnINHs4hzM/OmT/AIJAeM9hdFu32nD7NagOD+EHFEP/AAR/8Zyhm8+Zdn3g2tQrj/yBX6H29rJICUuB5ZkDBPO+YH0Bzzj6dvapjc7wFjmLvvKgBuD7/wCRS9lEOdn52f8ADnjxu8S3ETzmNvun+2oD+X7miH/gkB4umthdx3c+w4JD61CpGe3MPXiv0VN26v8AZbq5jX5uY1jI3ZJGf09fX8WLayXFuVTMSxyb23swHAPJJ6Z4/PGDT9lEOdn52P8A8EgPFUUIl+3OxZNyAa5Bl/YfuOtK3/BHvxoiiVnuduMtjWYTg+hPk8Yr9D1S6hSK7ASAFCqAnO1uueP51Kz3LwGGOWM7mZmKIRknGSfw5x+tHsohzs/Oj/h0H4sWAXP2qZ0JIBXWYccf9sP84p8P/BIDxfJF5qzzkMMoBrtuc/lF9a/RJcXkDs8McFukeC5Q8HOdxHP51Hc2kEreYl4jFUGyVDlVzxuYMoJ757/pSVKIczPzxn/4JBeKYNjNcz/PwQNcgOD6f6jrTR/wSA8ZM7xq1yGQ4bdrMOAf+/Ffoil5DFpoUSZnhfEJVcjJ9ev0qSRpTYm4uI1LMRvRdwDE55OB3PpT9lEfOz867b/gj94xmz+9m+o1qEf+0Kf/AMOe/GUbH7TJcRkKWw+tQgkf9+a/RCKMB2lDvsZsSOCVBHUAkc449+vrzTZ5Etpo3hZYtxKSICcgfwgeoOPej2UULmZ+dcv/AASF8ZRSrH5s7GTBQLrMJ4PH/PGpR/wR98ZiY2zzyZAGQNcgwD7nycCv0VmW3tXJa5DSSFWLtgkkc/gPf2qsiLh1eREkZvkCuSCD1/H6flR7KIc7PzyP/BH3xiGK77jIGSRrUGPp/qeacP8Agjx46mi32xnZlOHX+24Mjj08nNfotFPNNIIWOWWMMzNnp6nse1QvfzWivA02PMfMtwGIPHQYznGcUvZRsCmz86j/AMEg/GnmiNTckngH+2Iv1PkYFSf8Oe/GiSGGSeUtjIxrkBBz0/5Y1+i9wDDPbx4MXmyEqXbcoHr8v50ySz1Brkl7lCJQBF5akA59h19KapRDmZ+dTf8ABIDxqEwrTZJwD/bUJH6QUh/4JBeL9pJmnDCTbt/tqHk+2Ia/ROOSKWDy44ZGcEhzuHHfjPp9enapbf7FJG6C8CrCw3xu2Czf3jj8f8KPZRDnZ+c6/wDBIDxxKT5bzH0A1qE49f8AljT2/wCCPPjkRswnkGxgGB1uHuM/88a/Q64d3iEql0CnAJO04ySSe+Dx29amkC3DmVJSFXBt5XbHbnHGT/8Ar9qPZRQKTPznP/BIPxpGdsrSgDq39uQY/wDRNNk/4JE+NoC6Sw3QI+6P7Zh/+MV+jdxLFPavCFZkLsHmLADJPpgZBpPKkhizOx2nGFjccKB05z/T60ezQczPzpH/AAR+8b+YsLyyK0n3VOtw9vpBSTf8EgPGsFz9lnkmR9xCj+24Tn05EFfoqZ5ixurSQsiAbGcng+mOafdXJvCWuHLyFhkgN8vPtg9efSj2UQU2fnUP+CPPjgXS2T3Db2BIxr0PPGc/6jiprf8A4I9+LHk8ttRhHvJry4Hbnbbcc1+il9DIkiz/AGZHdxsWPOCgx94DHP8A9eoJkulK2heLC5UxhicnOQeOnHb9KPZRDmZ8J6F/wR3kDomuatpSb+B5l/cynPsFWMfrXe+G/wDgk38MdCukh1nXbUtwRHBo6k/XzJ2f+VfWc8s8bfapNhVcsUKNgv7fz/wpIo55Cr3d9HE7J8sbKSGU8jGBjHGMUeziHOzyHwv+wT8BNAhhLWV5ebFy0d3eARrjr8sexQOlek+Ffh78OvBxktvC3g2wsDDGMtZ2iqxPfkcnkdz3q5cRrbzRzxXQUtIGKlvvdwQcDA7f0qxPIsl8VsR8hUGQMu4Fvy/x6VShFdA5pMkvwIGh1CyxGemySPJc/Xp/nFKYZpo5GW1DOx/drBFjJzzuPpg5ANR3IUyMZslR/qpWXBUent1pyF7eRQy/dflS3IU85x9CaoknVbf5I2KhmiBXbJnIA6HsO/r0qC2nu5Ua3hhUlJAwdo8BR6jgf5NMs5LdbuS1Eu1GY7U3HDAZOCDVLxF4m0Pwrpz6lq2q2tlbxgZWe4CIAOSoJ5P+NCV3ZCukrm1HIl3GzB2YKp3BsKF5/XNYniXxP4W8BaQ2seJtQgsYEQu7zttAHU4Gf5V89/GP/got4U8KvLo/wqg/tS4AOLt8qiMTyMnlgPWvmvxF8TPid8b9eN94u1We6WWTENrHnamTwqrzn+dU1Gn8b+X9bCTlP4UfQXxf/bW1HxH9o8I/CqAwWLEpJqkhJkkHsDjHHf8AKtv9h39hj4yftreN86VZT2mhxzj+1/E13EzRqO6Rkn95IR2HC9SegPsf/BOn/gix4++MMll8Sf2jtPudB8K4WW20SYtHe365yPM6GFD6ffP+z1P68/Df4Y+BvhH4TtPBHw/8NWml6bYwrFbWtnCEVVHbAFcNXEzr+7T0j3/y7+ux1wowoe9PV9v8+3p+Ryn7Mf7K/wAKP2VfAEHgT4aaBHbgDdeXjLma6lxzI7dWJ/QcDAAFemUUVEIRgrIUpSm7sKKOD+FFUSFFFFABR9KKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACijpRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFHNABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABTJoYriMwzRqyMMMGGQafRRuB8aft4f8EjPhT+05Dd+OfhwsPhzxa672nij/ANGvW9Jox1PbeOfXOMV+Of7U37Inxm/Zh8WSeGvix4Nn06XcRZ3RQtbXSg/eikXhuOSD8wB5AJr+leuT+LnwS+F/x08KXHgv4o+DLHWNPuVxJBeQBwD2IyMgg8gjkHpWaU6Xwbdv8u35GvPGp8e/f/Pv+Z/MN4V+Jvjr4Y63Frng3xJe6ZdRMCrwOR9Mj09q+i/hH/wVW8d6HBb6V8V9Bj1u1Xh57f8AczH3PUH+vtX1T+3V/wAG+usW0V745/ZI1hryPaznwvqc/wC9GOdsM7dewCyfXf2r8vPip8Hvin8EfFEvg34n+DNT0a/gPz2eo2zRvtBxuXIwQccMMg+prqpYvm91/c/6/IxqYdx95fev6/M/Tn4Xft6/s4fE/wAu10/xmukXmMNb6gBDu45AYkqec45FesWOv6Xfwx3Ok6hbXMbsWEsMm9dh77hX4gG6kicvGDGc5D7un+eldT4I/aD+Lfw1l+0+DfHuo2Thdm1LhsMM9wOcVupUpeX4mNprzP2YtZIp5ZFM624xmONlJJOe/HA6Y6VHc3U0KJbyyrI53AuinP1xjnkDqc1+aHw//wCCrv7Qfg+1EPiU6dr4ChAt7b4cjP8AeXBJ+pr1PwX/AMFh9BmkUeP/AIZODv8A3rWVz0A5HDBs/pRyp7SX9eouZrdH3DBdRWtqzwkhYyEZp2z5jDr948dqEd7XzZpbKTBTLOpwoBHHHpXzJ4e/4Kkfsxa9NFc6hql/YP12y2oIX24cfyrqtC/bx/Zg1rUkmt/i1a26xk7RPHJkHHU9R+v4Uckh80T2uB7y5bbbRNmLl1nbAJzwMHBPrzTLm4X91N5yhkfb5PlDO0YORk8dOleZP+2b+zjqMy21v8YdNWJVJdMydhkEZHOTnjpjNRx/tefs6WF1vn+L+lM7pwGZyFHTspFHLJdB3TR6lFe6dcSBlnVVNv8AvChyVweOOMEgf57w286MZLOYsokdfMdScMwBxg49MH8K8tf9qz9nhrhivxh0mWIsDgSFCjc+o6f/AFuPS4f2wf2fVtjDF8X9LMikFt12WbGeOi8/Tmjll2C8e56VawQuWu7eTZN9nwrGYMScEEkduB2/Oo/t14+14rsKJM+VCXB3AcngdPr+teWxftUfs+rOJm+M+kq8hZVjkmPJ57FcDv6Z+tKn7WX7O8cYU/GDRY2Csqr57kkDGMEjg4weMUcsuwro9Nnu4bOWC6sX3hv9ZKjli7D69PUjFLJcyXdt50aurMf3bs4LZ69SOP8APSvL7z9r39nS7ZYR8X9LV1bcHadtgI9se/Skm/a2/Z4kiUXnxY0py0eTMJc5boAMDgcHH60uWVth3R6dK11p0Zlkj3vlfKiYn36gHBOe+MD1qSO7lRimrGUbgCnO4+uevHbqO3TvXlun/tdfs+gNHP8AFPTCjNuRluCNgPY5BB5yetI37W37Osswi/4WlpnG0+ZLMQxz35Hb/Cnyy7BdHplxe6oZnunjeMSKVypPzDPTpjOOCODTriaOCISFHkkBykQXHTv6dD1P515pN+1r+zxAGRfilorquSf3zYIHOeeOTnioG/az/Z/+zu0/xV05WILApdY3DH/1/b8aXLLsF0enwNKbjy76YncCUgRR8qnj8M89qJ57DTZ4otPkWTAIy0e4R56HAzj0z7V5ndftWfs7SwKg+LWjLICscrecSxB/Co7P9qb9nu1iedfixpkAUBAYrjIIXsRjOT6j0xT5Zdguj0+3vLiYeTJNESsWEWZMbj17jvzmo4JbeaMxR3QDqDIsKoCM9SM5/wAc15p/w1j+ziyiRfjJYNJzvZp2YnIxtbK5xSRftWfs+xwvLF8WNLCFeB9uZifxIGPT8qOWXYE13PRhfLpbSXl3AHdh8knmgbgccKp/nz0/NY723uUDxSMI92VVudvfBx+f9K85H7VvwHMQif4waCcElw07cDHQZXBPX+VN/wCGrP2cVKyRfF7SUO07IxIST7EAfWjll2C67npE99arZ5UpjzAY8vgYzj+X09utLKZIIYzbaogO7DqqEluuMf1OD+VeaXH7Vn7P4iSWf4q6P5iJuTyrggjsQeOeTnHtSz/tYfAAiGW0+K2jKuzBIYkjnkbfw/8A1Ucsguj0R9RSe4a8ugwXcx2wliMk55HBBHPbtkVNcNcXbfZ4bfzJFAIQ4DqBk4Azn1H415tL+1X+z/HGYZ/i5omWk4kdyAmAeowMe3Wq8n7Tv7PllaSeX8XtJLM/DJcv8x/vZB9zj6UuWXYLo9IvJmhhgieGUOeVHOcnjnjjGR+fShri8tk/tO8T78mAyZZiOec54PJ/H8ceeWX7VPwJs9MLXXxh0d2EpdgtycZB4IPXtjGOlQS/tT/Aq/tmlb4waWW807CZMZX6dAeP84p8suwJo9Jsp/JuXEtx5kJlBEjqFU9cn9QPz9aSW7tJ7NJLeWNgilmRRkMin72cnOSRx+NeZy/tWfs7vYG1Pxb0fEaMPMcscgdP4RgH+p4NFp+098Ao5hdv8TtM9HZbkICMYyRjnseO4o5ZBeJ6XJdJdKiz7w7kqI2fAUFT6jv/AJ91eNLS1t0SQSMoxHmRcb2APB5z6flXm+p/tVfAm9utkfxh0hY28v50mJ6DjnHH55x9arD9pf4CwHyU+K+jypCeVaY4DnHTABOBjr3FHK30C6PT4fOlea3vbqBow/7xo5D98cAZGOn/ANaoRf3RuvLeOQR+ZnHmhQp9Tjgd+c9+9efQ/tV/s/2spaX4uaH9nO5XVZskke2OckZAJPXr6Mh/af8AgM7yPa/FzSYxcSbZmF584xk5BI4zn0zRaXYLxPRgJXkmhhtmiKhR8hG3djPUdh9c89KZb3GpxsRZGPdt8xnzkEbc7c5+7xkV5rP+0/8AAW4MLW3xS0tDu2ndclVOMFScdeM9asf8NU/AZoi8vxP0iM8A24uyVbg9GHJ/LpxijllbYLo9Fm1GRoGFpK7zMEjmZ2OM+oOcc+vBqG2nudw02SNnKZCxk5AAPIyfp/nv57p/7T/wAZWn/wCFlaOmPmMby4JbqAOOcf1qB/2pvgbMxx8TtJ8xwcss21ioI7jB5zyO9Diw5kelfaHMxGnMjyyBhJO43BWBAIGe3GetS21paSwiW9vC4Dt5bAAA+vQ15hJ+1R8ATdLcL8UtMUbN0qi4LKp9B1PPH5/hTrz9pb4ByTK0XxY0ghAoEccmFUuDg/r6/nS5ZdgUkeiLeTqdsc0Xlody+YCWdeeWA9u/0607zwLJJWljkTcd7xphoyDngDnFeeyftQ/AC0t0gm+L1ku2EKscdyPlx6lV7/8A68VBc/tN/s/PDJj4safhyMRteEYz15A47/4inyt9Auj0mZrlLHzLbUdxblgE2t0IxjPp7A8Z9qrPqNpaBNLlg2tIvDqfmU54BI61wK/tQfA4slt/wtbR1IIIlkuG4IOS2fXHfr9aef2n/gNcuGuPitosoMjGMmbgcYGe+Px/CjlYXR30ssKxiRkcsVKt5inJ6cDHQUjtbTamMzKjIylnzkHjO3ocn1Pt16V58v7TXwGa4je0+LOk7hIXG9vlRhxwO46U6L9qP4CnUkmu/ibpQVjlDDN8qt9McY696OV9g5keh31wLF7hZ7rzoQFEKgYDLnIBIBOePYfWorK6MUzRy3hMjbmkkY/KingYz36c8Yz+Xn8n7TPwNE8sbfFjSFQZIjEgYbuemeO/p/Wkn/aR+Al+HtpPi5o6rDt3BLg5fb09DijlYXVz0C1inZllEPnQYVD5MhBXHq2evT0/xhZzJNLAls4ld8BHORg4B/DgZI/P04HU/wBpH4FNdra2vxa0tlVvmIucKy5x279OvPJ7cVPqf7UfwYj26dafFTSPm4WUzEBxnGc4wABkE9TjtRZi5kdveLI9oNNv5vszoAWVY1O4jbgAHJBOM/Xn3p4vI40jaTblZ4ysLsAWGME+mM/X8elec3P7SvwHW/W8PxZ09raNgyq83UZ6dznnOT15pLz9pv4CTOZrX4qaPv8ALZGiLHgcgfeHXJP09+zswuj0SfFtfxSwliJtyxyqMLsGQxxj1Bp9vp1jNNHbCcZgffulccEoDgd2yyn29K4C1/aZ+BFpatbj4pabuZT5ay3wJGeeMDC9T17E4zUEn7RvwRvleW7+K2kJsVVkInK5HOTgDnjHr14o5WO6PRrrfvuirqApLTLNLyQWG3gH6cVBfAiEXN3t85GQttbIjXg52jHvj3PbFeft+0j8DGkMcvxQ0WPdIHcvdA7+QOOwwMH8OeafcftNfAlbM2178WNIO487Lk5VScj1x16/WkkwujvPtP2tW3xyyMVyztLjpgcAgdsDH60TJqEcQKqVjdDgykDcAGIAIGPqO/41wC/tL/BiOEO3xR0aRInChBcgKybfoTu6g9/5Uy0/aU+CVvdMP+Fj6T5RO0qbnBPXDA9uPb/65Ziuj0gXGow+Wb9XEJ3HyC53DAGMKSM88+2KrTzX9wsflQnbbKpVZ3PGRjHv0/n71wz/ALSPwKEiLJ8UNNYSMSztMCYRjOOhHTilf9pb4MW8Yki+KGls8igmP7ZkKSfuemBknPvRyy7DTR3ttIrWPm3XnRROmAVbls4HYZ7g8j/Co0lu5Q0s6rDEzrsQKAz5bgc447+n9PPZf2lvguhEr/E3SDH5mAFu8BOcEgHOD+ffpxUlr+0x8CJbNUPxJ0beoYo0lwBgA8HGeO/Pb8qLMLpHfSQWFom+OQS3DZMtsxB5yMAgeuT6dfxpUubqWUrFcRokk4bLQnaMrjA/D3yD+Ned6f8AtH/A03Zjl+JGlhthlM8VwoZiR78YAB4x/SpZv2l/gBMrI/xesC5z8zXZ5YZwcbeO3r/WhRkF0d780+oNDJJHA8km3Kp8rA/xenOSOOnWkuLaVLuI/aTcxoflRZNqIexOc5zyf1rgv+GjvgbNMzRfFfSpC2C7G7OQegyCOeDyT3X8nL+0j8HnElxH8XtHSVxiONrokMevOe3HGfWnyvsHMjthqkeoEmJZIY85kQY7E4I5zjn6/hUplsone2jkIMcW11Y/xcYAz1P65rh/+Gj/AICeSkUvxV0dWMnzhJgTkE/dHpnr/nMY/aO+CaefBH8StIAdx8rzBW9mGCQCOn8xS5X2DmR3VtJE1k6JNHE6ruG8klSV9h1xz164wKjlupJ7mOCeVUZYQvmEgsEHzdBwTjp9BXFWv7R/wSlsWcfEzSfMWYNKGuAMAZxgdD05Hv6YFEn7RvwQjUXsnxR0ksFOCHGCCCvfnqSc5weuOho5ZdhXR3Ud9BJaW8MNzwwJWKbnLFdqn69R9aEVrSznSawkJQgMXn6fLkYGTkHnp3rhbb9oX4Dm+lu2+KGkSs6IFdLzPPAz6D8frUWjftE/BdpfNm+KmkqjQ4j/ANLJfDHOCGwegPc46+1PlkO6O6M095E15bW4KLGB5ZPzLuJJ/I9CeepqOW6Rrg6h5s5EkT7wPvR9Rz65xkf/AKq4pP2lfgxcXTLD8U9J8pIiqg3HRzxnBx2Xr61HbftG/A+1tZbeb4oaZOXA3NJPu2c9AcHnnqOtCTXQLo9BjntrsyJbyqGcxqSNrBicqAMngZI59+9VkuQ+Y7pbhEgLsm188jklT9eMDtjg1wMfx9+BjGNofiXpbKo/dzpOEYc8kk/4Vdu/2lvglJBD5HxO0d8MVk23AbCnGc5yOn+HQ0uV9gujuZYbW3hurlZ5lWUDzY0kGNgIbk8YyD+v40GS5tijLOpaSPzSUk3ERHIU+1ecr+0D8EYWES/FLS3MkALxfaiSQMEk5GOu0YHv71Zh/aS+CVttI+JehLKFDeXHdfdAHTnnjBHXvRaQXR3FxKum3rtah2gO3b5f3pFJI3A4ORztHB5YdKSSQXBKwwyK0uWYoysSOhBPryR7etcHN+0V8Ebi5F3Z/FfSBPDGHjzdA7h04zxnn36Z+he/tEfAuVmtZ/ifpcqg79xuPmYYXcCR36fl1OKOVhdHcvNd2Dp5bKJMMBuJG1T0/wCBdef8KsW14Eg33O4zLM4QRnI2qMADGe59Px7HgbL9pf4LNA1vc/EnTonEYU3EdxkSDGfXJ4yCevOOlEP7R3wRub0wS/EvTY2MhIla4XBAHXOOpGP50cr7CujtHudThZFcCN3ORH5nyls7gSORjI9PTrniXUblUiSOG38ydWGIXX+Ak5+XsOPyIrhrv9pD4MNLlfiTpCbQqxsbgFlPOCM9BjvyBn6U1v2i/gtCAG+I2nrIHAVo7wEMM9T/AI/4cHKx3R3iO93bNaX04d1VPPbIZYjzgA57Hbwe5+uW3Zt7e4kh011ETKQkpG4gj+4cHHGffkfWuG1D9or4IS2+yP4n6TscsTGk+Wbb3OOmR/P6mnwftFfBJLLz7r4q6bB5vzeVHdDB4wAMZI45Oe/fPNFmnsO6O6advJlu5JbeZlRRJEYiM9cnpyffjpSR7pY1urTUs7MLiRSAN+funqTj8sZrgP8Ahon4DorRwfFjTlyG3lrsHkdwRz6/4VLH+0P8EViaSD4maTGGPCvfE/IOO/Q+1PlZPMjsbeaPTlZtShkmDuFkkD5c4BwcYzt6evWp5LmNlWSacvH94ksfl6jC8nJ4x/TmuHb9pL4MCNTL8UtHeOFEDB7oE5JGQuR26VFeftC/AyNGaL4oaSThQI1nG3B55Pbr/nscr7BzI7i7kilijjDJG0YKjLADHqSeeOOPzqykstncW9zBeIsSxsZEHJyADkccA8ds9eK8/vP2jfgrmKT/AIWXpUgj4mAuVxIMdx2qa9/aK+C5lC23xM0sRyKP+W6sSBjGQD1xke1LlfYLo6+2aWR1N42xXzGFizgkHlsgd+vI7njinXCS3gkZZHn2YJKr85PTHt0H5Vxsv7Q/wUeFbZPilo8BkVm815wePbAxnH+c1HP+0F8GbeySC2+KGjoQoVTHenqc5J6EDt360WYXVjuHMMd4JPs0qYCBx5mW5ORnsM9fp+Jpp+12UKQXIWL7RwZI8E8tgk5z9cdsfnxx/aL+Clpp0af8LX0ouqBMC4VsZyD25yCOv5VWn+P/AMH54UeT4p6WZNxeVjOCMkhvqevYcE+1OzHdHdWcsMVrLFdyeSsaMweUBQc4IK8jr6f5Et1Iy2sd5F+88oRs2GwAzHAB/If54rgL79pD4IXMcDQ/FDSEdCojYn7wBI2k8dun07VJpv7RHwUhImuPiJpEasT5m6+AXknsOef88UWl2BNHbpbQ3IEVwJDLIpLCRsKG3DtxyMnj3z71LfwNHqIsLO7fKqogdn2LsUknpyeMc8f1rgrr9on4NX14Ym+J+lIpdtkguBz1B5xz26VHD8fvgx5sco+KOkFQpjSaa642gHOcYIOc9aOWSFdHe2cTSQSCUoyAM1uA/wB9uDj0I5x7/wA229/HO6xbGc4GWXhDnqDx68dexyOc1xf/AA0N8EoN6f8AC1NHaJ1Cx+VdDPAHOPTt0/rmCD9oP4JpE0lr8UNKeExGQRC4BJb+6T1YZ9OOfalysd0dybeeRpJCWQI+5RJgiPB+Y4yeeP17U6S81QSbreMLCkrZly2CDgZyepGP1rgJv2gvg0WW7tfiRpG48yJ9q7AEMvryee/U1buf2jPgm0Uk8fxK0x0b7ts1zlQDjng9f8OKdmJtHa3ssl0hhsItolkIdWUjBA5I54+709uKW1muXuWaSQkxqA8pIwvH0yMEnv3rh7T4/fBWO086D4naYfnBVftgU98tgCk/4aK+EMp3N8RdJARwzLHdgZ4B5xjP58UrMaa7natJIXMtqUjtz80lwRy25ST1wM8469qsNHpa2ouL9mEqogjj3AblOBkev05rgYv2jvgi0jW0/wARtNZCu0rPcq2Sff0wajvvj/8ABa6ujGPiPpMo3+Wmy4CbAjA5BPAPQe3aizC6O8W6Z7cINsaIrJgQnGSe/GMnA7847U9p4B5RnkhBVfkZIfmHX5cfXkVxF1+0R8EyNt38VdOkyDkC9Cjf6Yxg4z6++aj/AOGhPgk5Cr8U9MYn/Vqb0Ap2Pb0I9P607MV0dxerIlr5Npcs42BxGDtJ3Ddz1weQc9s84ptvrFolx9lYKkm1VVkOU28fKD+QrjB+0T8FkfZF8U9KiVQTu+0AF+2PcnNKf2iPgssBhvfihohfZlZBOCAvcEdCT+P1pWYXR2rTRx3azFVEsrDd8xwyg459RjPU9u1JaCK4uiElFuQxBDZOenIA5wPwri4P2g/gvZSiSx+J2lyIsZbfPOMMTnjGP8/maNL/AGi/gm9xcfbPiVpOdjGAG7BUj659DgfQU+VhdM7I3E9iPJmvBI7TncQuAMntx29D/Tl8L21pBJAbh1wQHZiSSehB5wB+dcVbftBfB+5C7viVpA2nAX7QhwB0HfjAzx0NJ/wv34K3NylzL8V9GKiU5iS428nueevH5UWYXR3DNMs4nlsGm3JkMjBQVxjIzx05xx19Kishd3pW0sEcZkDlZnz0Jx2H88VxA+PnwVuNRSL/AIWppiRxSbm3XfBbjnPTOO4x+mKfdftH/Bu4v0tj8U9JEQbfMyXR3MMc4Pv6DFFnYLo7OVy7BiHWWCQAQRgAk56j0xz0qW3vIpVj3/u1CvvLuu6PGTuK8Z/yMVwMf7QHwVsLwXsnxP0uTO0+X9o6gcdgex6Hmkf4+fBK4une3+I+kMjFTJEsyhl5JGMjj8+/TjFFmF0dys7rObSXfmYK+UbjrkDuMfyq7aRWs04mG6OW3jIIZwWBzggA+n+cVwyftFfBqLTjBD8S9KEqICPM1ESOQMfp7Yz/AFpxfHr4OTldQHxR0qORpSED3mB5hHT2GevrnmiztsO6O8WXMQeCfETMESN3+ZpPYDjH3sHn8OaXUlFoY5Q5duTM+4OSRnA9Rzj9BXBR/tCfBnLJ/wALH0aIqz/Zg99uIOO+e3JHFTT/ALQ3wRukhjl+KekrMDgyi5G3cBle3049qLNsV1Y7UXCzwNObZsjAjkaRS2489MdM8dKPLmtT5kgHzqriNpApYjjpngfhjpXDt+0H8H2iVdS+JWjsZlw+LhCIz0GMHpS237QnwXgkLD4gaSUc7oVF3kxnjIOexzwOKLPsCaO6jupiZH1JZFibDRbSQPm6Ht7flSSyXpn+3SAxlUIRkJG4Yz09e3Pr+FcTP+0X8GXuVhf4k6ZKvPzyTgkndkjd6e3Tmprr9ov4L2z+Va/EbR5VYZdpLkFT3znjHpRythdHazSounfaJ41O5MqF5DEAkA8EHoOT6+tR2jX0s0bXkaIxJdIFUAAYBzxjn3/+vXDTftEfCNbVzJ8SNOfzE+8L4AgegGT9SP1qST9oj4J3NjG0PxL0lXRAD5twpZSew9Pz9qOV2HdXO3kfTLYr9iMMwYgujJu2A9OOT/8AqpNOnlluljN8C6IMhkILHPP8IHb8q4LTPjz8GLabA+KGmRxxjy/MhulLNg5JPUkk98DH87E37RPwMdxMvxS04SkjDvdhiGOQQcgYyPSi0rCujtvL+1zNAtz5TH5vLEZ2rgE4z/8AXGfeoXZVlN88jzlFDCQNgc84GepH1rjh+0F8FVMn2f4m6WcZDbr/AIJ78dv/AK9Kn7RHwha3Cn4paIxZtzpLdfcwO+fXrRyvsF0dpbX0d+D8jrAVUpHs984zRPc2UcM0c7ExBwVKnGGyc8/kPpXExftBfA2WGIJ8UtKUEhmCTLliOoPfH5dOooX9oL4RyWflj4k6QP4ogt0FYEHue+aFGQXR3UEcstmws75MAbSACQF7AevOOeagvZ7q4mZ9wEUJ+bylIcjkc4wAAfQYrjv+Gh/g0lpFcaf8R9IVg212a5XIOecDOSMVJ/w0J8GbRW834laSGLD52uAvJyffHUdTRZ2C6O3Hn3ESRwx+YWQYidOQDyff/PtUJAht18+wfzt+VxgZAAGMdcDIJOK4yP4+fBa1sZiPiboriQncFuwpx7YPPPbj2pLP47fB2O0eaX4n6Q7u2GT7duzgYGSSCO3T3oSdgujtZTeRx/2uqnZGONw+YEdh2Hft3qKCdLW9ZpmaSOSVdrFcR59D36H2rjJP2g/hLqKuz/FPShuGItt0MADr16c0y3/aI+CX2SSxl+JOkEAH988+ccdQCOPfNFpdgujuXNrJAY4JYztY/KCCZAPmJGOmOlOjuI9RgSeQyKMIqqeGZT7+nv79K4Sy+OHwgjkE1x8QdILRhdjR3yoSMf8A6s+tWtS/aJ+D1xCILf4h6OIcDJW7BAPr3wc/jRaQ7o7NrUWdhCIYiwMm50DoQrHjluDx09h6U6NpQz2csibcgXJWY4XB6Z6d/X24rgm+Nvwfti8SfEXSJNvLKbrAU9u+cdf61aH7QPwghkd0+KGiEFiJEW6GT269u1FmK5132mK1mdZFzFvwsYkC4XGVyQCD654+tCMtxIsUcT5ZcsI5AyktyMnrjP48VxUXx6+Dsl00lp8UtLVpCFk23q5A55XPH49feiT49/Bu6jw/xC0ndGSFH2lQT0Ktn/8AV1os+wXR3AF7BIbGy8kmSP8AeybyCMfj+fr3qUX0tvGZbeN/tEaAyM4JBGcdeh/L2rjIP2gvg7LbbX+IWmQyfxEXo+c+vH3enSq9p+0B8GWdpZ/iPpUe0AENcAHjouPrzRZ9gujsoo7hZorCUFlctmI8qP05OPepbyebckWnxq8nzB3b5tjDGMg5x19fpXmWt/tifAOwjk834m6cjMNm+OQ7toHP064/+tXL6x/wUH/Zy0uZBF4quLogYkW2TIIHHHPBxyeKOWQXie8/Z7O6hMt7NG22X/WlV4PoOfrUYvlXm1EYRJNyEodzDrjIHI4zXyh4x/4Kk/DWCZv+EW8I3l2V+4kxMas3cttwfxFeX+Lv+Conxb1O3bT/AAhpFlp8OcJK4LsPx7fTNHKk9WgvfZH6AzXcVtZPdXl3A0DN807fL5Q69TivP/iJ+1J8DfhpZS3Oq/Ea3mnVNotrUhnyAOAB61+cPjn9qP41eNi/9v8AxEv/ACpWOy3guGRVJ69D04Hf2rg7rWri+lNxeXDyueXY85PvzzS56Sff8AtJ+R9n/Ez/AIKeSNayaf8ADDwwI9/3b2+B3g9mwOD16YFfN/xC+OnxN+LGoG+8X+Lp7ksf9QkpCjnsorD+FHwk+KXxw8XW3gf4R+BdU8QapcsPKs9MtGlfGQCxwPkUZGWOAM8kCv1Y/YF/4Nwda1JLH4g/tnax9hi2rInhDSbjMvPO2e4Xp3BWP6iTtWFTGKHux37Lf5/8E2p4ZzXM9u7/AK/I+Av2V/2Nfj/+1l42Twj8HPAd3qZ3KLu8ZTHa2gP8U02ML1zjljg4Br9sf+CeX/BGH4Qfso2tn4++Kkdt4p8aoA/2qaHNtYvjpAjdx08xvmPbaDivrH4OfAn4UfALwda+A/hL4IsNE0y0TbFbWNuEHuxxySepJ5J5PNdhXG4zq/xNu3+ff8jfnhT/AIe/f/Lt+YyGCG3jEMEaoijCqowBT6KK2MQooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKOBQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUABAPWvOfj9+yh8Af2m/DEnhP40fDTTNbtnB8t7m3HmQsRjdG4w0bf7SkH3r0aiplGM1ZoqMpQd0z8fv2xf+Da68U3Piz9kP4gK6jLL4Z8RSHGOu2O4UE+wV1PPVxX5l/tA/sn/tHfsw6+dB+Onwm1fw/Kr7Ybi4ti1tMeuEnXMcgx/dY47gV/VrWH43+G/gP4k6JP4b8eeEdP1ewuozHcWmoWaSxSKeoZWBBH1pL2sPhd12f+f+dym6c/iVvNf5f5WP5HHcupVmPPzAKeM/WoVu+4X5gfvE4P45r+gr9qL/g3m/Ym+OJuNa+Gun33w+1eUlw/h6X/AERmxwGtnyir7R+Wfevz2/aK/wCDcH9t34TNc6r8JNS0T4gWETZijtJ/sV6w7/upm8sY9pST6dqtVo/aVvyJdFv4Xf8AP+vS5+ez37xZGfmIwQ317VFLfkkqpPfjJ6evX+Vdj8ZP2a/2hPgNfyWvxl+DXiTw0TIY1m1fRpoYpGH9yQjZJ9VJBrz6fzVXLSfiw6fjWkZqSunczlGUXZlp714cBZmB7nJOPf3qvNqBV3/0onH8W7J79M1SuJ93O0A/3mPNVZbo52spA45J6HtTuxWSNKTUpkfL3bZzyFJ6UyTWJOglLMckgsR+dZLXmJDubHq5HFQf2gQcliDn7xyaLjsa76rKWBWZsj72T370xtVcOQ7OMgY2ucGsc3zMCgLZPVgevtUMl8CNiSBTjGCKLsLGydTYoP3rHHQKTwT9ab/a5ZPlkYAHkE1hG9xgrIQT6im/bQzbR9c5+lHMwsje/td2PzOQwGcE4z+dNbWJlf5bhh3JBPH0/wAa5/8AtEjk4Jz3NMbVWbhzwOgIo5mFkjov7akDlWmfb068k+1N/tt953SkL0+/jFc698DyxJz+lNl1Icce3IyKOZgkjoH1mVT5a3RAI6ZJx+lDazLjYZmxnJAbH9a51tTcvuHI7fLxTTqJlOCQOwBouwsdGutyKpKzsBzjD8Cl/tyRkw8z4BwAXzzXMHUSq/Oeh4OetI2pY+V3wPY0czHY6aTWZMBfPJOOSpPNIdZkUr/pLKRyPmIBrmU1YlSN+R2yO1N/tJAM7wMcE9KV2Kx051Z2kJkncgjuelIdcmxu85uORhzXNf2o/IJDDHAHAph1IjOZeOuAad2Ox1J1uV/lNySR1BfFNfWWxtEzHHAyTzXNPqYBYice4BpDqqsDtmHPvRdisdK2szK2TO2ONylzSNrszxEvOWyeQHOPb6VzI1VCQS4OKUasqrtLDr8uDRzMLHSLrEqyeY1wQQOSWP8AKnf29IEw077Scsd3auabU+m6XPpzxTRqwThXHHdjS5mFjpotcYNnz2GWyDu6U5tXuEHyztkk8scn+ftXLpqacnzAAfQ96VdTDIfmG709Kakx2OlbW3mIxcHeeQu4/nR/bdxnDSE5GAOcVy/9qLuB80EHoc0v9qKVLtKDn8KV2Fjphr9wqh/tD9flw386Ua1KVO24Yg5/jJrmDqg2kmXjHr1oOpx4/wBYqkHnpTuxWOn/ALZZiP8ASXQc4+Y8/hSHWmG5jOct2L9c+1cw2qBfm34J5+U4oGqryC+R0HFF2FjqF1qQkN57ZX7q5/wpW1iUBf8ASWHHOSf1Ncu2qLkDeMrwcCl/tRC/lk9OOMUXYWOn/tmQ4LzMCfc/N9KVtbmYbTcvv/u7u2fXNcwmqorbifTk03+1BjHm9F5OaXMwsdQdXdfl844JGRnkUHVsKplkYAc7d3FcumppyCwyeRzmk/tVN24yEjt83fNF2Ox1C6268LcSDI4w3f3pG1icEMzMOAThyK5kakCCofv/AAntSjVgzAeacjPOKd2Kx0yaxLGSY5n257tgUPrU2N7ykf8AAjXM/wBqgjiUc8k55zzz+tJ/aYdiBJkDAGD0pXYWOnOsXDAN9pYHvhzzSNrcxX5Z265bdJn/AD9K5k6ogw5lz+NJ/ayk71Oad2Ox0y6zcPuRrgkk/KWfIA+n4ULrBbO6aTOMD5jzXM/2rsfdvXJPPPekGqLnDOMY4yeM0XYWOnfXJf8AlpNkgDBLflStrcjdLhipPO1unFcwuqrjAmznqR60v9qEgAsPpuouxWOnXW5s5edwuRkK5PFH9uTA4Nwy88YJPrjvXLnUxghpByelH9pbmDFgDnBOfxoux2R0ra1M+1RM3JI5yM/rQdckbDC4Yn0DZzXNDVk27SRtzncDyKX+1ECk+Yc8HNK7Cx0o1uYgbLplyOdzf5zTjrU2zc90wycDLVzDavyT52SD60i6uoXIfB9afMxWOoXWC7KJJicEE4k6+lC61cRyA/aCuO5b/OO9cwdVByFkXJOOKRdSyQzydf4h2pczHY6ka5OsIBnbPUguR0H8qF1p1BYzkYHPzHNct/agYYJBB/OnHUw5AMi5J6HvxTuxWOn/ALcm5T7QTkH35pH1mUHCzNnnOCORXMf2qGYYkBIOeOmKcdVwyo7Zwefc80XYWOlbV2RQROchRjDHOf8AOaX+2JiceewUHgZOB/nNcr/amCGV+v3SKU6mucGXGf4vWi7HY6hNZlVGV58gHJCnFINdlGf9JdscD5+gPfiuY/tVUPMuDjgj9KX+1BwFnJA6HNF2Fjpm1yfcwErDgZ2PStrs+1mEzAE/3hjrXMjVkyPnGOCDnrzTf7WjVh8x45yDS5rBZHTDWpFYATsSegVsUq6xJH+8M5Jzxlj2rmP7VAAAZT14P+NImrqAA77eeO+aOZoVjqDrsqBQ0zL7KeTxSLrErFhHcMvOG/ec/wCea5oaqrkyCQ8HO4mkGrZLqJvpgj/GnzMLHTtrVwQBJO2eP4vrSDWZGG1ZyRgjG88+tcy+qqFDI/OMAqecD1pBqShQ28ZPO3r9aV2FjqP7cZlJFw5OR/EQMduKT+2m5zcNkKSAGz09K5r+1ozuAOSeuTk5pqamvJB+YDCqT7U7sdjp31qXGTcsATgHf+lOOtuG2mdgCMAbicD06/5zXLf2uETbuXpwKVtRRSGD+/rzS5mKx00mtTyn/j5bA9Se1OGruFCiZuST97t1xXMDVix3GUEZ+bqc0h1NTIGEwyevOf8APNO7HZHTHWX2eWszcnj5sZp66zI6ZeVwBwSXz/8Aq/yK5f8AtUdS4AOcDP8AnNDatj5HkIGPz5/WldhZHU/2zIYxGZ2wpx8z8D/Gg63Nkl5W4HO5uv4j61y39rHos5yaVtXjbAeXjA6CndhZHT/245kUi5bd1AD5/n/nmlGuzKGKTbRyMBsj8K5VtVBYfPnBGAG70LqhOCWXn+LPP1ouxWOobV5C3ySsSDyd/FO/tyZCQJGJUY++fwNcsuqLzulwCeNpoOqDkh8DP8Pai7Cx0w1uR2DMzEk8DfjmlbXZjykuSBxhsVyx1IEDEgznP0pzamh4LAe4Oc0XY7HSnX7g4AuzgkjGcn0pTrcrLlZ2BXnqeP8AOa5f+11XJjlwe/H+cULqaZKl+G5BzxS5mFjql16YAH7S/A5JbNB1lgREbhgMdQ2Af8/54rll1QJ8quDz0LZFB1VARtm6HP8A9andisdQdbmILG4Ydh8/T1/Sga5MqjNyw7rz0rlv7TRhkyE7fTr+lIdVAySxBPB57GjmCx1I12QylVkfpxnPP60Sa5NtwJmAB+/uP5da5c6sq4+YEA880f2rkgb+MfMRSux2OqTWZpE+a6YjGQd3ekGuuXJFy/sc89B+fSuW/tWMj5pfrnvQdURFI3jkdjTuxWOrk125LbTM+4DKfPx+HNM/tuRhzcMQDgkN/SuXXVOMbgccgClXUkLEJJyTwfQUczC1jqY9amZAVnYH3bnHp704a5MhJM7knn75ye/rXK/2ozAEMCB1Iag6sgJO/BJ5yf1FJNhY6ka3OX3GaQnHXOOOlKdXlAEgmbr1Gfz/AM+tcqdWBOHm6DFI2rKMAuM4zgGjmY7HU/27KcIs7/TdyKT+23yv753J4zv6VzLamnVWGM4JyKRdUwu0ygAnsf8AOad2Kx1H9uXC/M1wynbx83WkGszKhBuWwRjls/hXMf2ouM7+p5zSDVVUEGYYz680XY7HU/27KEJS5bHqXp39vTFBiZlzgEhjzXLHVlRg27k87s006vGSAJTnHGDilzNCsdO2rXATy2uH6DGGpw164RSsdw/TsTxjt61y/wDa3zYV8ZHr1pv9rgHG/pzkdqLsdjqV1qYfKLh8EdN5P40465cFiPtDgDqC54/I1yq6pECCZBgDgAUg1ZWGBJnB7npTuwsdSdckZ1k+0uADyNxzQuszo2XuH+8CRvPH865c6oBkCUEnlgDSf2quCu8YznBbjFHMwsdTJrlycqJn2+gcnFKNachcXD/L3yRkVyp1YEHa+Rjsac2qpwd4A7bcUXYrHULrcygA3Deg+fg0p11sFRcMCfRif6/rXLtrCZw0mOc43YpG1ZVUjfnPp1pKTCx1S61KV2mdyOwDUf2/K7hWuCMHkB8c1yaauoyUc/73pT21hVJVZs8c89KfM+47I6htcn3DZOcgdS3FKNakdgv2p8McBVbpXKnVgoHz7QM5wetA1cMwO/GT3NF2FkdamsygBRcNgH7ue/06UPrjhfMW4Ydl5/zzXJDVBuG6bqOacdWyhzOePvc9KXMxWOrGvSn5BcPhhxu55o/t1hjFweDyN1cn/a78kyDPqD0oGpD7wYZI6Dmi7HY6lNZdW3i4Oc8/N/nFK2uTO203DEnuWrlxqxI2+ZkHtmlOsKDtSQYzgA8U+ZisjqU12ZGwtw5HYo1KuvXKZLuxG3+8fSuUOrEN/rAeeOOacmqxDC7t2Tn3o5mFkdWmvT7d6zSAHsr9qQ65cRqpS6ZST0wfzzXLrqzOuFI7df0pTq4Iw75BxnmjmY7HVf27McLJI5Lcj5j+uetOXW5EyHncepDHpXLDUWIwJD07U9dUKggPz69KXMxWR1MetSs7E3LE47v2obXZETcszld3BD9OtcrHqhBAQ446GpBqIZNxfbk5wDT5mFkjqTq5LH/SZEIHTdn/APXTxrMu7ct04UcnD54rll1JiNpYnI4yafHqwUAxttx1APNHMw0OpXWiWJ8xicZDb84py61cOBIl4QWxz5jc/SuZGpAJuJOO+CM09dS2vypAxkjd1o5gsrHTjW5QQFuHJIxknkcU464SQDO0hJGSx6GuYTUP3nA9zk086iWTceg74ppsLHSDVAxAlCsSeGakbUwMebgkHsRiueS7cjAJwTnBHU133wc/Zq/aO/aCvI9P+CnwR8U+KC0mx5NF0aeaKJj/AH5FXZH9WIHvUynGKvJjUJSdkjBGqKgBTcQeCAM0LqjuwZGY84O4f59K/QP9mj/g2d/bv+MZt9V+MV7onw509/8AWLf3Av74DsfJgby/zlB9RX6Mfspf8G237CvwI+za38VrPUPiRrMRV2k8RS4s1cDBC2seI2U/3ZfM+tYusvspv8vv/wArmnsraydv6/rex+FX7PP7Jv7Sn7WHiMeHPgD8Idb8SzGQJLc2VtttrckZ/ezvtii/4Ewz2r9RP2MP+DX7Wbl7Txd+2d8TUiRSrnwv4Xbkjg7Zbp1B6cFUQez1+wngX4Z+APhjoUHhn4feDtN0bT7WMJb2em2aQxRKOyqgAA9hW7UtVanxO3kv8/8AKxSlSh8Ku+7/AMv87nmX7On7IP7O37KnhKLwb8DPhdpWhWsYHmPbW482dgMb5JDl5G/2mJPvXpuPSiiqjCMFaKIlKU3eTCiiiqJCiiigAooooAPrRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFJ37UALRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRzRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFVdW1nSNAsX1TXNVtrK2jGZLi7nWONB6lmIAoAtUV4f8Sv8AgpH+wt8JQ3/CZftNeF96ZBh0q8OoOCO221EhB+uK8L8e/wDBwD+w74VaWDwxp/jHxG6A7JbDRo4YXP8AvTyow/74q1Cb6E88e59yUcdK/LHxt/wco2kbS2/gD9lkjr5FzrHifOfrHHAMfTfXjnjP/g4r/bO1mKSDw34K8DaGG4jkg0ueaRB65lnZSR/u49qfspdbf16C5+y/r5n7Y0V/Ph4w/wCC1v8AwUf8VLJDL+0JNaRsDhdK0Syttv0aOIN+v415R4o/b4/bP8YpLH4i/ao8e3ayH545vFV15Yz2C79o+mKfs11f9fgHNJ7L7/6Z/TBd31jYRGa+vIoUHV5ZAoH4muO8T/tL/s5eC3MXjH4/eCtJcfwal4ps4G/J5Aa/mA1v4ieMfEFyb3VfFWo3UhOZJri8d2J9ySSfzrFvdZu5jiWeRuD8zNn+dPkprq3+H+Yr1H2/P/I/pl8R/wDBRz9hDwtE0mr/ALWXgUhc7haa/FcHj2hLE1wur/8ABaX/AIJl6M7RXX7UVjK69RbaFqMg/Blt8H86/nJn1B8KA54PJB6fSqct5Jz856+34U1Gl2f3/wDAC1S26+7/AIJ/Qz4h/wCC+X/BNfQ1LWnxT1jUiASEsPDVzlvp5qpXGaj/AMHI/wDwT+s2K23hv4jXIH8cXh+1C/8Aj12D+lfgbLeTMPLaZ1GAC24YP61VmuZCu4XDHBxgdqP3a6f18rCam+tv687n7u6t/wAHNP7GFsCNI+E3j+5b0mtbSL9RO1cjrH/B0l8CrR2TRv2YvEdzt7z+IIIv5RtX4j3FzMcMSTu7dM1UneRgZTuJ9cc//XovD+Vfj/mFpfzP8P8AI/aG/wD+Dq/wbGP9A/Yzv3HZpfHSD26CzP8AOsHV/wDg64mRSdM/Y7gXjj7R4vZ8flbivxxuHlwEaQjI44xxVG68w8hgcD0o5ofyr8f8xKM39p/h/kfrJ4y/4Ok/FniO2lsLn9jnwjcQSgq8eoalNMGB4IIwua+Pv2jv+Cj/AOz78ffNudR/4JxfCrSLyQswv9BfULCXef4m+y3EQkPf5w3Pavku7VwfvnHQZNZ91GwxksfXNQ1Tf2Uax50rczNPWvFul3V9Lc2uhpBG7ZSGKZiEHXALZJH1J+tZknibRnXMiXKn0CKyj8cj+VZ90jkE7yc+gFUJ4TnqfrmpvbQLamu/iHQXXH9obTnlZIm/wqF9T0h0DLq9t0+68wH6E1g3NruPKt14GTVOawHJMQ+uKOYLHUi5guCscF9A5/upMpJ/I0wiXoPm57EGuPlsufufhUMljxkr3o5g5bnZtDcMQhBBzxlh/KoZYpUZUKkNjgDiuNewPXbUbaepOSvOfSi6DlZ2rW1yBkRE88HNRSQXIGAhBB5xXGNYY4xx2IppsQOgoug1OwZJ+RgnrwO1U7m7ljICo+VzwVIrm/s7AAAH2rU8O3d0t0ljO5aNztUN/CaE7j1JZLzVpJMQIqZ7lqYw12QEeYowfU13GkeC21aVU3KN2B6+1epfDv8AY+j8auGuvF0dtGRuJS1Dnt0y6g9f8aqMJMTaR84GLWP4rgdO3TNRNb6suSbrj619e63+wP4b0SzFzc/ECZkJxvGnAAj8HP8AX61w3jD9mbw34fUi18RXExxu+a1UcZ571LjJBofPYtdYYfLc5Xtwab9j1fOGlz7tnivZF+DejAMn9sSHaQMqgII/Q0x/g/pUSBm1OXBP/PLt60crC6PHfs2sYA+0gnkcg5pvkaoPkN0CR1HP+c17GPg9o2759TnQdclE/LqKY/wg0JWG/Upie+IQSKOVhdHkBh1UHP2oYx2zTfI1Q8/ascc88V7CfhD4eRfOXVJQmOC0S8k0RfBzRtz+ZqTqAeGVARRysLo8f+zaqDt+15/OkFprAT/j4JJ7c8V7Avwh0fHmHU5cA4B8tf8AGmR/CzRnTzF1OUkDBARcjn60crC6PIza6sq/NP34GDSNb6ooCfa+vB6167N8J9PQ7vtsrKTw3y4xTX+Emi7dx1JyAeSI14+vPtRZjujyOODVGB/0ngDvQtpqxG8XAyD15r1n/hVeiMN0N3IcAEjywPrQ/wAJ9HRAZLyYEngGMD9aVncV0eSrbasxKi6zjpjNL9i1jdgzdeD1r1uP4UaVJGBHqRDZPG1cfXOaY/ws06EB31J2yeyjFFmF0eT/AGTVyuzz8+mSaT7PqvUXI68D0r1dvhnpnUag3Y9B+tH/AAqzRGUuNVYHPC7Ae3XrRZhdHk4ttV6G55z74oEOp5wLsexOa9Yj+FeilvmvnPTkRg01fhbpEj7BesDnrtHHtzRZhc8rW21UnP2r8s0n2PWTjM/U56mvVj8L9HRcNfy5DfNtVeByOopV+GOluob+0ZeTyNoosx3R5UbXVlOTP9OtNNvq+QPtJyPTPNern4aaMrFDqUuc5x5YP60wfDDSmJLakwBwQWQZz+FFmK6PKxa6sVGbkjj1NK9rqpU5usc8jnmvVF+GGjkEpdSHjOQg6fnR/wAKw0fnN6/AzzGBRZhdHlRtdVwMXJOeM80Jaay2ds5A65Oa9UT4ZaUqbf7QkTB5wgx/PmiL4c6RIQH1GUA8/cxmnZoeh5WLXWSCTNnn3xR9k1des3Tp1Fepv8N9LA2DUnL9cBRj86WT4baX5Qdr5wCcEFBn2pcrDQ8qFvqpP/H1/OgQ6njIuug65Nepv8NNGjKqb5/m6kxjihfhto8oEcVy4baMEqoFOzA8s+z6scL9qzx2J4pfsesL/wAvJxnggmvT4fhxpe4g3TqAOThSD3x1pR8OtMDENeyYIO07AenrRZgeXm01deRO2fSg2usAkGcgj1Br1CP4eafI237TKB67RjHekPw90zzAr3snzH+JFznv1pWYHl4ttTBLJcZJ9z3oFtqmMfbBj6nNeoS/DTSgW2XrZJ5+Ue1MHw80aNykl2RnoSooswPMfs+qHKpdnHTqaX7Fq4z++OCeuDXpp+HekglDdspwCMqKVvh/piKB/aD/ADdDsH9KdmB5kLLWguDcHA788Uv2TWHGGnPPUc16afh/pafMt5JyeygYx1o/4V7pQQP9tfryCopWYHmBg1RSB9qx3wO9Ag1T/n5wc4GCeK9Nf4eaSGKteO3Axhc04/DzSVGPtTHjsBRZgeYG31XBAvB+GaX7LrLHKzFsHnrXpY+H+isQv21uuD8v+eKcvgLSVBLX0mTyoVB6U7MDzMWmtZA88kA++KDaawMOJznPbNeljwDpwQkXcg4Ocril/wCEC004zeSYbuVH+NKzA8ya11UcNc4J9jSfZ9UC5+1e4znpXps3gDS+D9vbDYwDGCSPWkb4f6Kpb/TH4PzHYP0p2YHmYttWU8XPFKLXWDtIuPfAzivS08AaS0m5J26YPyj8+KX/AIQPTQ5QXjjAxwvFLlYHmYstYPzNcYJHvR9j1gqP9IHTnrXpa+B9KcsTeSZUk42DH1pJPAunkbxdSEdxxxRZgeaNa6qNokuuAcDn9KQwasOtyM55OTxXpUvgbTWQD7W2cZwQKa3gXSlUDz3ByeBGOcUWYHm4g1JRtF1zg5xmnJaawfu3WcjnOa9ITwHpmC7SuBnjgZP+FEfgXTirMt2wxjGQP8inZhdHmzWetYJE5AA4xnmlWz1oc/ajkntnrXox8C2QB/0skAf3R1pR4M0tiHW6fp2UZpWYHnP2XV88znIA4IPNMNvqhXb9szz6mvSG8C6eQM3ZBI5GAfwoHgTSfM/4+m6f3evvxTsw0PODbamCSbnAHueKFtdWYFRc5GORz+leit4H0sfItw5wcZKipB4I0uPMaXcmegIUEUrMDzb7JrKZ2zHGeck077FrA58449cGvRh4J00sUF24HHO0HikbwbpsUnzXDYPGRinZgecC11dRg3BGB1waX7Pqn/P0QPTmvRj4JsHJH2ohQSPmUY/P+tIfBGknhbmRjk4Owc4pcrA86W21XaT9pIBxjINAtNWIG27JH416N/wg2mYCfaGHHPAJ+lC+CdND7RdOhJ+T5R/jRysDzkWerdEuCPQEHpR9h1kHm4bH416L/wAIdpzMUN7KQTjcEFKfBlgcxi7cdgCB0o5WB50tprBUfvsDHYmmtFrBJH2r+HknNekL4MsfKLG9OR0JHWmnwVpi5Z52HT+AUWYHnKW2qYC/ahg9uaTyNVUkrdgnP3ea9GHgnRuq3LMCeu0cfWmjwXp6ShXmbH94AU7MDzxbTVhyZ+T7GnfYtZKA+e3J5Ar0NvBmnLJhrkkdB8oNJ/wh9kzkR3EmM/KNg/z+FFmGh54LLWAFBlOSDkDNIttqvJS647HmvRW8G2KkBrp87ecgADNI3gnTW5FwQdvHTFHKB519l1QOU+19+eTQtrqhJY3JOByMnj616GfBWnIBvkYA4+baKVvBumry0zAk90GKVmB54tprGzKzH260qWmsMcrMeDxwa9BHg3TlXH2tsY5GwU5fB2niPH2pmYf3RxTswPPPsWtKxYzE89hSfZdUB+e5wSe2a9D/AOEP04qW+0PlTxx/jQ/g3TG4a5c8d096LMDzxYdWz/x84x15o8nUww/0oc9eTXoY8GaVk752PXPyj+tH/CG6R5ZJuDkDPCg0rMDzxbbVuXFyTk84zTzZawxx557YHNegr4O01FOblgAccKMn/GhvB+m85uJDg8jaBiizA8+Wz1gf8vH6GmNbaqFBNyeuMY7V6GvhKwJz578dRgUreD9NKE/anwB3QYp8rA88a31Nhn7Xz0IyaaYNUBANznHbJr0MeDdMAO2Z8j1UcD+tDeDNPdgyXDEdDhQP/wBdKzA89W21ZuTc9Oo5pRaauT/ruD3Ga9E/4Q/TgcC4YZ5+VRx+dI3hPTFfBvX5+7hRz3p8rA89+yayf9ZOQB060fZdVVTm5AA6cV6C3hKyOQlyw29RxSDwhpzxndI+e2QKOVgee+VqmObvGT6mgwakTg3QB/HFegDwjpW1gJCxAxkIKUeDLBiD5re+VFKzA8++zapnc1zzTjaaw2P3/Hrk136eD9Nznz278kCj/hELJTg3GevXHaizA4H7FrGP+PjgHpzTHs9W6G5IAHGc16GPCmnMuHuTuzwAtNHhHTnO1rkgluNyg07MDz37PqZyftGCevJpxttU2hmuf513p8H6dnBnOcc5TinN4Q0uNsCZjkf3aVmB5/8AZdTzzdjp/FS/ZdXP/Lcc+ma9BTwXpyNn7Q2D93aooXwtY8brh8/7venZgefiw1kptEp9+vFDwauoAa5HHrXoX/CKaaMA3T5BIb5RxTX8I6Y5ys7ZxkfIKVmB5+INVYbluc+5Bo+zatgE3PHXBNd+fB+lhMNck4HYZpT4P00YJmfHqUoswPPzBqpJzdA+xzxR9l1bJxcEkD3r0BfCGlBs+cy4HUKKcfCmnpjF0+P93pTswPPjaauTnzhwOcg/lS/ZtXBOZzjHGTXoA8KacoDi7YcZ6dadH4R087ladif4SFzSswPOzFqinH2gZPSmN/a4HzXA59/0r0J/BunFPMe4OPZRzUL+C9NA3i7OT22D/GizA4CS81SL78gx2z3p0Ws6mpw8JYZzxXaHwKssgjhul56Er0qhrXgy60tS7TRuP9nOaLMDLsNRe6cAK6n02nNaKJcHllxnjkf41z11czI7W8LlVHDbeM1X2M3XJ9aLtAdf9nmOSCF9af8AZ7gA5yMHnnr+VcaYATytOFsO6YFPmEdmtvc7dxXjH3jj60qQ3G3PlEgdDnNcaLPPYDmnLae1HMGp2WJVIHHvnFDTxR4Mt3EmTg7pVH9a49LMDnbnFSJaBcHaP8aVx6nWnVNOjHzajb8cjbKCf0pq69pOCftgzngBGP8ASubjt+egqaOJs/X1FFwsmdDH4jsFJCrNJnuygf1q7p3iixhuUuZ9JjmRWGYZpG2t7fKVP5GuZihY4yM/WrMMZXDEcUXYH1d+z5/wUM8A/s++VeeHP2Dfg1rF/EVYX/ijSr/U5A46Ooubt1jPugWvrXwx/wAHUn7W3hiyh07Q/wBnP4S2kMKhY4rfR71AoHQALd8D2FflNCMHJGeODVmIvj5fy6U4tR6L7kTKLkrNv73/AJn62wf8HZ37ahYA/Ab4WnjkfYNR4/8AJ2tCx/4OzP2vCQb39nf4aOOM+VHqC/zujX5GwFjnGasxbwRnHXmtVVbWy+5f5EKjFdX97/zP2G03/g7N+Pysv9rfsv8AguUH7wtr+7T+btXR6X/wdp+KBgav+yBpcnr5HiiRP5wtX4uRs4YDJwO9TwyvnAHPbijmXWKHyPo2ft1Z/wDB2bprIGuv2MWc558rxvgfraGtrS/+DsL4czSiPVf2NdViXHzPb+NYnx+BtR/Ovw0imdfmLMOPzqxDPJjbnGeSc0c0P5V+P+YuSf8AM/w/yP3x0j/g6f8A2U7lA+tfs++NbXPX7NdWs382Sum03/g55/YPuiBffDn4i2/OMrpVo4z+FyK/nxhuZNwxzjuTVlbp2AY/M2O1K8P5V+P+Y+Sf8z/D/I/ot0H/AIOQv+CbusELeah4107PU3vhxCB/37mc/pXY6T/wXr/4JhaqBu+Pdza7v+fnw3ejH12xGv5q4ro5C72xjoWq3FeyoMb2/BsdP/1Ufu30/H/hxe+uv4f8Mf07aB/wWP8A+CaXiNxFZftX6FExHAvbS6gH5yQgfrXaaP8A8FE/2E9f2/2Z+1t4BfcOA/iSCM/k7DFfywwX0rAKzsRuOSTV231RoxsWUkg8fr2otS7P7/8AgD/ed193/BP6wPD37S/7OXi0hfC3x78GagzDhbPxPaSN+SyZrqrHxJ4d1JQ2na/ZXAPQw3SPn8jX8kttrVzGSI7yRG6AhsGtrTPHXinTHV9N8RX8B7mO7cfyNHJTfV/19w7z8j+s4EEZGOfSiv5ZvDf7Wn7SnhOFYfC3x58X6YFb5Y7PxFcxgfQK9eh+Fv8Agp/+3z4UmV9I/au8bfLjC3esPcKf+Ay7gaXs4d/w/wCCHNPt+J/StRX8+fhj/guJ/wAFIdDZd3x3W9VByl/oNlJn6/us/rXpXhn/AIOKP24dIiiGs+H/AAVqwHDPc6LLGW/79TKAfwo9l/eX4/5Bzvs/w/zP3Cor8ivCH/Byr8TLdVHjn9mbQr0nGW0nWprbP4SLJXp/gn/g5I+BepxhfHv7PXiXS2xydM1OC8H/AI+IjS9lPp+aDnX9I/Saivi7wL/wXp/4J/8Ai9R/bHiDxN4ebdgjWPD7MM/W2aXivW/Av/BTP9gv4ioG8OftQ+F4yeNurXTWB/K5WOl7Op2Hzw7nu1FYXg/4nfDj4h2gv/AHxB0PXIGHE2j6rDcqfoY2IrdqNU7MoKKKKACijFFABRRRQAUUUfTpQAUUUUAFFFFABRRRQAUUUUAFFH1ooAKKKKACiiigAooooAKKKM0AFFFFABRRRQAHpRRRQAUUUUAFFHOaKACiiigAooooAKKKOBQAcZooooAKKKKACiiigAooooAKKKKACigUUAFFZPjTxz4O+HHhm78Y+PPEtlpGlWMRku7/AFC4WKKJfUsxx7e54r84P2yf+C700Mt34F/Y70GNgu6N/GWtQcZ5G63t2H0w8v4p0NK93ZDtpdn6KfEj4r/DT4P+HJPFvxS8eaV4f02P715q18kCE/3V3H5m9AMk9hXxV+0H/wAF9/2bfh7JNo/wQ8G6t43vU4S+lBsLHPqGkUyvj08tQexr8p/it8Yfit8b/FEvjD4sfEDVfEOoOcm71K6MhjBP3UB4RcnhVAA7CuRuIflIXfkjBIPatY0/5iW77H1t8bP+C337dPxQMtr4Y8VaZ4MsZMgQeGtOAl29szTb3B91K/hXy38QvjV8XfitenVfiT8Ste166bJNxrGqzXBB9t7HArDuICWLh2wcHPB5qtLAd2O2cHGeK0Xu7E8qZVluCyskmW3Yxj/PNV5JUYAHHT1yKtTJ8h8vGCcDb0NVpIizZwcng4BGe1BW5TnkYny2UZI6gD+lU5T8oHJPckcZ+lXrmNvLKrnntwOeKrzW7bSwhUkDkcAdaTFszPZSoAORgndzj+v0qCQu+GxjOTkGrkttIhwyE4/Wq8lu5jKg5YclsZNFxlGd5i+ZFAI4A9sVUuBIWKqCeM4ArRktWGSuVORkk8n8qry27GUlN2R2HHH9aQGdIqsoVdwyeExiq11gYTJweAgHtWjJbP5hIXo2Thf8gVXktVcjcvGeMUJjM4psB2sRnpnt/hVeWIEk7eS2SxPArTuLYklCNvHB9KheyZ9u5OAOmDSFaxlyK7DIX6kc5qCWDcmducLjIA61qyWQxyhJH4Af5zUUlm4Yhl+U8YxSF1Maa3JyoGce3Wqk9sSPunPHTtxW5NZsV3tGfvcA/wBaiewdznYeRxxQPY52azO04Un2FUZ9PbGGUDj6CurfTUcbse3TrUEujb+VTr1z2oGcdNphJ5B+pFU59Nyx4wc9MV2c2gyAELGCAOAarTaAwBPlk89aWjA4ubSWJ3DOPpVaXTCG+71rtJvD8jHGwmoG8Pk5ATr3xSsrgcVJpZwTsOPpUMmljkbOntXaP4blOV29s1DJ4alLcR/jSsBxb6Vk/dqNtK/6ZmuzbwzKAT5ffGMVG3heTGBAaLMDi20on+H9KYdLkGQy5rsz4YlyU8r6n0pn/CMSNyENFmBxjaaw420CzaP5lUgjoVrsG8Lyrx5Z9+KafC05JxEevYUrAY9j4u8SacB5N3kjuQQf0IrrPDP7THxd8HjGha2YucjKK3/oSmslvCsp+9Ecd+KafCk20ny85PpVxnOOzE4p7nZXf7bfx71BCmo65FOr4DrLZwkNj1/d1g6l+0d8RNTGy6aDkclIEX+S1lN4SmB5j4zzkU0+FJsA7AQenFDnN7gopDv+FweKxkqkQz2CL6/SkHxh8WoCqsF5zgEAfypp8JygA+V16cGm/wDCJznJEJ+tTzMdkO/4W34nySEjycfwr/hSH4veKMEHy+Rz8o/wpD4TlzgQ/kKT/hE5c4MPb0p80gshw+LnicHBjTA6KQP8KB8XfFStkBR6/KP8KaPCMxzmHkH0pP8AhEpv+eR5HGRRzMLIVviz4oYksqc+gHP6U0/FfxJwDFEcdPkH+HWlPhOZQB5HUccUn/CJS9PK56YpczCyB/ix4mchjHHkdDtH+FH/AAtbxOGLnBz1zjHv2pP+ETmJw0WMdaP+ESmJ5hJz6Ci7CyEHxU8S4O1FAPGQBz+lKfir4nZtxIyBjkD/AAo/4RKQ5bySMeopP+EQmJ4iOPcUXYWQH4p+JGQoQuGOSMD8unSkb4o+ITyI06YJKg5/Snf8IjKcARHpSDwjLj/j3OfcUXYaDT8T9fYBTCn/AHyv+FKfij4iwcIvTpgc/pS/8IjN18jj2FH/AAiU2ceSc46mi7DQb/wtHxGQVZEGfRRz+lKfih4iwQI0GRhvlHI/KlHhCU5AhzQ3hKbr5P4gUXYaDR8T/ECtuEaZx1wP8KP+Fp+I9xOE568Dr+VOHhKZskQ4GPSgeEpu8B+uKLsNBv8Aws/XzjMSEg8EqM/yo/4Wl4jA2sic/wCyP8Kd/wAIlOc/uT+FIfCMw58knAouw0Gj4m6/j/VJnscAY/SlPxS8ROGDDO7Gc9/0pw8Iz4H7k8jrQPCUxH+qP1NF2Az/AIWd4hxgxpgf7I/wpD8TNeOPkUDjhQP8Kf8A8InLniDGeoFL/wAIlMx5hIHuKLsegz/hZeu9oY+fUDn9KG+J2vthTEhxweBn+VPPhKbP+pI/Cg+EZuvk/Si7FoR/8LN144/drkH2/wAKP+Fla6wAMKcHPQf4U8+EpRwICaT/AIROXoYenOAKLsNCP/hY+ugkKgUHk4x/hS/8LJ1/bgop9+P8KePCUx6QnBoHhKbP+p6deKLsNBv/AAsvXzj5FG0YHTgflTF+I+vKAigYzkDI/wAKm/4RKUDPlEj3oPhKcZHkH8qLsNCH/hY2tk8xLz7f/WoX4i62hysa/XAyP0qYeEpskeScAdaB4TlznyTx7UXYaER+Ims53LAo/Af4UjfEbWjk+UP0+vpUx8JzA4MP1zQPCUzEfuTge1F2PQh/4WPrQYv5KfkMH9Pemn4ha25z5aj2AHr9KnPhOX/njx60v/CIzH/ll9KLsWhAnxE1uNTGsS8/Q/0pf+Fia2TkxL7dP8KmXwlMeTFR/wAIlMOkXb0ouw0IR8RNZX7sCDHTAH+FDfETWWO4xrnGMggf0qX/AIRKX/nkcdxS/wDCIy/88j04ouw0If8AhYutjjYBx/Cf/rUH4ia0zbjGCQMZJHP6VN/wiUpHERoHhGUnmE8UXY9CD/hYWs5B8hOME8Dr+VKvxB1hRjyFwevoe3pU3/CJzZH7jk84xR/wiM2cNF+VF2JWIB8QtaUhliTA+n+FIfiDrBOTEvTt/wDqqyfCUo6RdenFJ/wiUxAJiP0Aouwsisvj7Vlz+4XnHGe35Uf8J9qzDBgHbpj/AAq1/wAIlLkZi4PekHhKYceVwe/rRdgrFX/hPNX4KxgHPUHn+VO/4T/WABiEDnIORkH8qsN4SmHWA4+lB8KynhYsfSi7DQr/APCf6vjAgA5z1/8ArUg8faxklUXJHJ49/b3qyPCU3IMXT2oXwjMSMxHOaLsNCqfHmrEbRCuB39vypR481UAAQKcd8jn9Ks/8InLk/uTjr0pf+ERmHHkHg0XYaFQePdXAyIgPTBH+FL/wnusAkrAOfcf4VZPhKXIAizQPCUmzPk80XYaFUePNVAx5Kdc5OP8ACj/hPdWYYaFSeuTj/CrY8JTk8wnnvigeEps/6rqeuKLsNCr/AMJ9rGdwhUH8B/SkPjrVDkfZ1OfcH+lWz4SmH/LHp1GKT/hEZRwYTwM0XYaFf/hYGrjP7hRkYPA6flTR471VD8sS4I5Gf/rVa/4RKY8GE9PSl/4RKUnmDvRdj0Ko8e6wCP3eOP73/wBakPjrVcFfJGPqP8Ktf8InNux5J5o/4ROU/wDLA+2aLsNCq3jzVWG0wqRjjkf4Uf8ACc6puGYAcdyc/wBKtf8ACJzHpCQPpQfCMuOYiMUXYtCr/wAJ3qwBURDBOcZ/+tTT441UkZiyRnByOP0q6fCMx5EOeKP+EQmyB5RBPt3ouw0RU/4TrVBlvIXPHIx/hSHxzqjc+RjnqG/+tVweEpOgh7Ug8ISnlYT+VF2PQqDxzqg3AxLz7jr+VC+OdUUYMIAz6/8A1qtjwjP/AM8T05wKUeEZj1h6e1F2LQpf8JxqvOIgR6Z/+tQPHGqYAaBeBx/nFXf+EQmz/qefpR/wiMx6QnpRdj0Kf/Cc6pkZh49M/wD1qRvG+puc/Z1HpyP8KujwjKRnyenrQvhKXdgRd6LsNCkPHGogYEH5H/61L/wnOqFVUwDAPAB/+tVv/hEZ/wDn3OaUeEZiufJPtRdhoUm8caoxJMCgZ6DH+FKPG+pA5Fuo/L8+lXP+ERm7wknuKP8AhEZjwLc0XYtCn/wnOqEENCPrn/61H/Ccanji2UZHYjn9Ku/8IhN/zx6nuKRfCUxOBEfy60XY9CofHGpsQTbrx7//AFqQeOtUD7zAAc9Qf/rVd/4RCcj/AFJwD2pG8JStx5H04ouw0KTeONUdQDCDzkEn/wCtSnxzqZ/5dxz7/wD1quHwjKMr5B47YpR4RlxloePp1ouxaFEeNtTByIefY9vyoPjbUs5EA5POT/8AWq9/wiMoI/cHNH/CIy45iP5UXY9CkfHGqHk26j1/zikfxtqZbcYFH4//AFqvf8IlKePK4Hf0pB4Rm6+T9TRdi0Kf/Cb6jjH2YDA4y3/1qQ+NdSI/1I/A/wD1qut4OmzjyDn3pR4QkBz5WPrRdhoUW8bamQP3A4HPP/1qX/hONTHHljnrzn+lXf8AhEZuf3PT260jeEpRljF0HpRdj0KI8b6oCD5Q4Jxz/wDWpf8AhM9SxnyASR1z/wDWq8PCMnXyTx7Uf8IhMQD5Bxjg44ouxaFFPGmoqCPs4OT/AHv/AK1IPGWoKSfsw5HOCP8ACtAeEJCeIaT/AIRGbORDxn0oux6FE+NdRJ/491z9f/rUg8a6kAQYFOeuW/8ArVfbwhLnmLj0AoHhCfH+pOCaLsNCifGmpNndACPQEf4Uf8JrqXIEAHuCOP0q/wD8IhIq5EX14pf+EQkzkw9D3FF2IoL421E8Nbqexyf/AK1A8bamGyLdfp/kVePg+YnAiz+FB8ITLj9z19qLsehR/wCE21Mf8sBnOeo5/Sj/AITbUwflhwCegb/61X/+EQmzgQ9fahfB8/J8g49TRdhoZ/8AwmmpA58gHPq3/wBanHxvqh+YwD8x/hV8eD5TwIaP+EQnGf3P1ouw0M8eNdRwf9HHPU5/+tSr411MEkQLg8YB/wDrVfPg+4IyYTjHBxSjwdNjPkEHHpRdiM1vGOqNg+SCR0y3/wBamnxhrZXaEUce3+Fav/CIT/8APEn8KD4PmGCYOvtRdgYp8U6/kGOXbjoQOn6VVvNT1y+Gy4v3ZT1Az/U10w8HTAbvK/IUo8HXH/PAj8KNQ0OK/ssk5IJJOSTT10z0Q5PtXaDwfcEZEB6ZGRSjwfOOkR5HXFFmM4wabjop/KnjTiONo59q7EeEbkdIj7AipB4PnJJ8on2IpCOMGmvx8v4U9dOYnGzB9xXZJ4QuCOIWPttpR4OnyMRE+1OzA49NMf8AuVIumFf4ea7BPCEv3TETz2FPXwhMPuxdehNFmF2ceumnup9qmj03ByFx9K65fB1wF5jI98VIvhCbg+ST36UWYHJpYEH7gPviporFic4IPuK61PB9xjHkn34qVfCFxnIjYkjoF7UWA5VLBxjKn6VPDYsD06H0rqIvCM7ceVkdhip18IzhuImxjHSnZAcxFaOpyeQB6ZNTx2jA8AdOg6V0g8Jzpj9yc8cEVMvhSckjyj6jiqA51LRxjAx+FSpbyADaBzyK6JPCk2N/ld+AAc1MnhW4z/qSOcdKEBzcdq+8EA47kdvwqxHasAe/ptro08KXAfBiJB+6SMVNH4VuicCEn04oA52OB0HAIwOcCpktWLBgDnHfNdHF4TuGAYRHgdwani8KXJG87sY6AYzQI5+FGQbNhB6ZNWoIJMgDjAxnb1/lW+vhK5TnyCBgHdznFWIvCMzMB5JwRkA0CWpgRRzZzjIXtmrMMUgO3aSOh4zXQweEpF48nG0YOVq1b+FZn+4rA9iF4A9KB2MGCAEbcBAOxHWrtrbFW8wE5wOvQ8Vu2vhS5zho8jPzKo7VbTwlMcMY2UHG7A6UwsYMcbkAIp3E9ADxVuC3k2Ybjjrux/kVvReE5lcMibSOeuMCrMPha5AwEIY4yV6gGhIDGtIpGBU4xjrg49KtxwsACoJGfTit238LSAAIrkY7jr+NWofC00aqFjG4nOSP8T71S0Aw7e3OAjAP647c989auW8EsgJWMBTwVOOD68Ct2PwvIMP5TMDjGEqxD4ZmZcNETgfKWH5imIxY0dnwWC5HO4dangRiwVD1OABxz7etbsXheVG2Lb7QFBAI6kjt6Vbt/C8sZJht8fMCxIoGZGnXOq6fcLdabe3EDo2VZJyhB65BU8V678PP24v2y/hqYG8F/tJeMLaOEYS0bWpp7fA9YpCyfpXBw+HpV+cxDI6FeMj0IP8A9erEXh/awMi/KckjOf5U7sjljvY+sfhj/wAFz/26fB6pH4uu/DniuMDn+2NDELkezWpi7dyD+NfRnwp/4OE/Ampstp8Zv2ftW0xgB5l54d1FLoH3EUojIH/AzX5kRaAFYhkPD5zt9/firNrocjNwg9VyoGfqD0pOMW9h2t1P3I+En/BUP9h/4w+VBovxwsNJvJMZsfEqtYOpPYtKBGT/ALrmvetL1bS9asY9T0bUre7tpl3Q3FrMsiOPUMpIIr+cKLw/85VImIPXA4BruPhT8Zvjj8FLxdV+FvxR13w/Lu3GLTr+RIpT6Omdr/RgRUOmug7vqf0G0V+VPwI/4LdftCeEZYtL+Nvg7TPF1iAA17br9hvfQ8opifHpsXJ719tfs9/8FI/2Vf2iDDpmieOV0PWZiFGieIwtrMznoqMSY5D6BWJ9hWck47jTue+UUisrrvU5B6EGlpDCiiigAooooAKKKKACiiigAo59aKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAK87/aX/aX+Gn7LPw0uviR8SdT2xxgpY2EODNezYO2KNe5OOvQDJPFegXNxFZ20l1M2EjQszHsBX4nf8FFv2nNa/ab/aB1G9jvpG0DQp5LHQbVWygRWw02M43Owzn0AFQ25TUF8/Jf1saRiuVzf/Ds5L9sL9tP4z/tj+MpNU8eaxLaaDbTltJ8M2khFtaLzhmAx5smOrtz1wFBxXiQ0j9yWZR82Mn8MVurZyPmELlSMtxz+NM+xpuypPBPGea6oxjBWRk25O7OfGkwt8jxjnPOcY4/WopdAiOS6NwcE5/+tXRizOw7owQeAB1/nSR2RyzbAD1GAOf8KYjl38OxOykgtuX+IcZ/CoJPDtuSFY4I+93H6V1L6aFJKKoAHKkZ4H4Up05CDiPzCMqKLAci3hu3YhxFnptBYnPtVd/CMOGcjjjgj/DpXYCwKNlsJkY7j/P0pkmmMB8mCOMAj+posNM4yXwjbhC2xscY55+tR3Pg2FEwobJ5LYzj8MV2x01kBzFnGdpU1C2mM67o4lwcYAByM/0oBXOGfwZbOnyxMSRxkcg1HN4FtY3UHIGOcj+td2+juUDPHnBHbp/hSPp/mjasJ3AnpyaLCueft4HspWyQ+AMHsMVG/gCyIXChCxyuc5xXfvo5wQkRLMDyRj3zxzjimvo6qD8j+4BIz9OtFkPY88bwDb7yjAsAcD5ev+NQy/DmwCM3lkAH8uf59K9FOkbiZQM4HJC8ZPrmlfS43ba6qpP8A55H+fpRZAeaP8N7PJcBuM5DevpUTfDiwmz+7fjqAMAfjXpo0hAx8xDlf7oxz9aY+kovDRYB6NnnqPWlZDPNG+GNkMFA4JHfBx+dMPww08SbVEpPO3pg16ZNoqs27LBgMHvx/SmpoyICm5cEcknn6A0WQkeYH4YWMjZmRsn7oABOaP8AhWGnqW3bwAcbQR1r0yTQ0C7Qz5XIGAOPoaI9BRgQIzw+eR/TvRyoZ5gPhZYM52l/mHBIJ5/yKa3wo09vvLJnGCuM16c2kEMxCjaOTz1/x5pToYEQl8sLuzjOQfxpWQjy1fhNp0jbQrZ7kjIxUf8AwqXS3zvR/Vf6H6V6lJoUagKv3sfNg5Heg6MsblnUfd/iHp2GafKgueWn4Q6XkHa/I4HWmj4R6TjBRxkjPGK9UGjq6iMLtLHrggnjv7cUHQQ021WK4xyy45/z60cqA8pb4O6UzncTwTuIboKbJ8GdKjOWBAPQA9P0r1Y6HgGMP79Mce4pBo7Roywqcj2/DjFLlQXPKD8GNK6mNsZ556Y/nSf8KW0hlDEE5HrzXrEWjyBsmEDsAVHX8qI9C27iRk7TnPcn8KdkF7nkzfBXRo2AaNgrHv8Azpv/AApbSAQ/lsc8jJHP+Fet/wBj7x5bgtzkLjgnFL/YpCkBf4sqcf5/OlyoLnkjfBXRSuXiYAnr1H8qafglooBcRv8AKPbrXrcmiYkCxZHTkY4HqelINIDqCqcLnjP3j2/wo5UFzyRvgjozAHa3TBx60H4KaMwCoj9cEkjjj9a9aOiOOWXHQZK/SlGhyFweuOCQOD+dPlQXPIl+CWikY2ucEZ9Pc0h+CeisnyI2T0UmvXV0ZFUosZAUZBUZUe596RNGDr+7j2kDk4xkf/rpcqC55GvwT0UHaysxAyQPT3oT4JaGGwInODjr/hXra6KzyZCbjwBkZOOntSto0gBbG0Dv+XNHKhnkZ+CWjcKY3Bxk7aafghpGflVsY44HXvXrn9ioFzsXOeMD9aX+wjv+aInAIPy89ff+dHKgujyJvgjo2Nyo+cE4LAZx74pB8E9IIwyEjjAHH4V642hohdig5/u8HrT00KVPlKsBt4bGMZ/n/wDXo5UK55C3wQ0Vh/qmUfwrnHNJJ8EtFWRgCSR2zjnvXrz6PvXywjFfU456/pSJosQJdo1JA4O3IH+c0cqC55GPgfoy53xt93IGf/rUg+COibRwwI4wx716/wD2ErfOsONo4UEDP+eaa2ibsq0WFJ6leQP0o5UM8h/4Uno3CuGwTwM9D+VL/wAKQ0dWAbfjPpmvXU0IZ+SQDBxgHGaJNDUIRHEQB2J49zz/AJ+lHIhXPIk+COi8ko54I2nrS/8ACkNGOVIbpzz09a9ci0IlVXy9pyOQvTPNI2iExhwm35gPlHf1HejlQXPIj8DtI25aM7gTuTdnihvghopyyxvjJx/n8q9ffQQoMYi+cA8Bvz5pP7BC4XycgDOQvJ+o/wA/nRyoLnkP/Cj9GDf6qQHksGx2pF+COiNn5GGBxkivXjoZEZzakgcAE4OPT6f4U1vD8fmg4PPQk+vQf5/KjlQXPI3+COhhf4+eWBx/n1o/4Uno6kiSNyc47D8q9eXREVsmNWwMEc8Z/kKE0SCNW8tPlA5bnA9ulPlQXPIV+B+i4LEkcgHI60f8KQ0VnKbGJJ556V7ANAZ/m8nCkjJU8k/55pq6Ip3FkQFe4UDI6Y96XKgueQr8ENGwGaJ8fw8//WpB8EdI3HCNgdc4zXr50LaB/o5ODyADx60g0Hfy0TDrgEdPTNHKgueQj4K6Iql5EfG7BIIB/wA4oPwS0cAEq2Oy9CTXsD6CrRkbEJJwG28gnHvSDQjjzFgA3DP449enajlQzyFvgjou4qUc4PGeuKaPgjoZflXDegHX8K9fOgAyAg7mK9BkkH/OaU6IoJHl5Bb7pXqe39aOVAeQH4J6KQQInXHGOueKVvgjoivkqdoHUjr+levDw4wQK8YOCRgEck0DQmLjIUnIxzgk/wCcfyo5UB5B/wAKR0hU3bWKgnLcc0H4IaNjAjc45JIr2D+wMgkA7sZAXr9B0pP7Awd6LliMAsepx/8AXx/k0cqFdHkLfBLRtgXy2B6EUh+COjBwmxxycAHOP8eteupoDYyYsYBLc9fXJpW0IH5jD/HknHT6f5/SjlQXR5Efgjou3hXHHI45zSj4JaFgSFHYYztz+hr1ttDPHykAnqeMn1x3FPXQRHwUUscHle3b8f8ACjlQXR48PgnozYCo3zdT60v/AAo/SdvyxtjqcnJP04+lewJoSJEJtiMQfxHXrSDw6WJxCcYwAB/nNHKgujyAfBXRDjEbn5jnCjmlf4JaLuwqtwMkY57d69dbw+gLIEYE/LjIHP50NoIMYbaT83QEAnp6UcqGeQj4H6KWJCuBjoew/wAmnD4H6QzbFDEBclhwOeK9b/sGMOPMVMDgEnp7c9elA8Ohh8oxzj5u4z19v/rUcqC6PJP+FIaOQGKHByDz0/w6/pTU+COjcMY3BPKqTnIr10aApiUyBuhOeuSRQuhJsxFHjgHOOMc5Pt/k0cqFc8jHwR0Ypny3OR94nrjt+tIvwR0YkeYrgHJHHX9K9eOi4wI4RyeGKe3X/P4Cmnw9IwwwH3QOTyT+PWjlQ7o8kb4I6Kr5WGTB44459/T/AOtTT8FtFXICOexXIJPPavXjoahsrBnnPzLyPw/ClTRmVgGUA91I6/4f59qOVCueR/8ACkdEPz+U49Rmm/8ACk9FLYCPzzuOB+NevHRC4O0c4+YBeenP8gP88Eui7n4iJJGDtUZzxRyoLnkbfBDR1G4oWAwcbutNPwR0MEBg3HJBwD0r146ErMWeEAEDhlwBmhNCBCchwSScL29T+tHKgueR/wDCjtHKb8HcOoz0/D9aSP4H6OM7ImyP7x9fpXriaGEO0qXU88jjA79ac2hYKgAj5iT8vHXv6ev+eHyodzyIfA7RXPEbbd2OTSN8ENFCZdWDkZx25/CvXZNEi2FTGxIySw6kD8felXQhOGKEYwCpweR0xx/+ulyoDyGX4J6LwqB/mPQDPH9KVvghoxkC4bkc4Ye3avWjojrhUTqOW5J9e3P/AOqnf2ERtgwMAcMASV59e/SjlQXR5GPgdo5K4icfNgnAxn/P8qH+CGiqoPlv0z2/z3r1xtDMbH9yASejHjoRSNoiAlShbBw29e2KOVCujyRfghohhJ2tkDsRyf8AP86T/hSWi4JeNh12gd69cl0BkIYxnKnDHtz3PP8AnNL/AGDGDsCgfLwADjPOfr/9enyoZ5C3wR0cHLRuVBHAPJ/Olf4L6Hu4VskdRyAAOa9gGiBpTtDEf7IPcf48Un9gq4EjEM2DghefX/69LlQro8h/4UjogHCEDPBYgZHr+Ypo+CGlNnaG3fwgDGfavXxoUYc7ovlx0PJzk4//AFf/AKqQaAiERqcEH5cgAevbqO9HKhnkjfBPQxtG1uOrAj/IpX+B2igkhGGOOo4PT09/0r1pdBUgyhCRuOCgyOmfwpToYIKhcZOQcYPHB+tHKhXR5CPgvoYjJMT9Sdg/x7UN8ENIQk+WwUMBuyPfOa9eXw+HcEQ4IB5X/wDXnqP891Hhxo3CzISCcHA/M/TmjlQXR5DH8ENFJHySDB6A59xTW+CWmfMRA4X1JGPavXX0QDaPL2qRkhRk8D3/AApToQ8tjNk8kg4I6Y/D3o5UF0eRD4IaMQVKvz9KX/hR+jZI+Y9cAjkdO9evJoK8siDI5CgAj8aDoLBtzqMqOoHOP8aOVDPIT8EdDVsksRjp0BNNT4I6QGGEfoMnPX2/z6168dBVSX8vB7dO3v8An/8ArFKNCXG1wdzMdzHA9qfKhXPIj8EdECn5SSOAR+Wf60g+CGjPwqPuwe+PXivXxoJT5fIGCDgnqT7Y/wA+9A0DIDPCfmH8TZxS5UFzyI/BHRAyiJHYHgkEY+tH/CkNGwWUOwwfujkf5/rXrh0ACPIQLuyCMdT17U59F5CFQCQfmJyMYz/kUcqBux5A3wP0mMnZFJx1xzxSj4IaIflKtyMknj+Yr13/AIR0gkRxFd2QRjj6cU4eGyk2GhPAySOwPX2GMUcqC54+Pgho/wB8IxBP3SRxS/8ACldG3ZkgcfNwOpr1xvDq7CghG7OM+g496emhLGCjKN23OCOMc5o5UF0eQt8DtGHIjOCM+vH5fhSL8EdGw2I5ATgjLfpXr39hStJuSEsGHOcZP5Up8PoPLjZflZMD1XIo5UFzyE/A7SASQMEHJJYcCnH4HaLuOYyEzyA3I+n869b/ALAIRkIDYI4TJP0NPTQZCm0KNoX06dfXv0/wo5UF0ePH4I6QF6Ow7sPTPpjpQfgjpCgMVbkkc9jXsQ0HeMJExxzjHHqB/n0pr+H0crEwG04O0D/D6UcqC6PIG+B2ihSQkm4HHJB5pD8EdDVd5DZA65569K9hh8OiY5ZAMcD5eT16086DwuAoYeo+6f8AIo5UFzxwfA/RfNYGFto9e3qac/wK0hHO5ThWyRjr1GBXsP8Awj7SMflAGOSxJ545/lTV0Fnf7hGD3HB/zmnyoLnj/wDwo7RmwqhixAwMfr0oHwO0Xn903PGc/wCA4r2JdBPKxQAhhzlOaI9BKgPtHy+jdux/z0pcqGeOv8DtHjYxlGGDyetA+BukvtYI4J7EivZF0J5Il3IrAj72Ovckf5/OkTQkO3cnABwrqefoR36nP0o5UJanjh+B2lKu8xOcHJJIAIxQ/wADdJGY/Jfk9cYH/wCqvYxoDFcvyWHUD/Hr249qDoGV5QcADOMfh60+VDPHj8DtEwWwwwOV7/ToO1K/wM0cjesbcc9cfj+HSvYYtBh2hViIzyCQckZ5xmpE0JSu+aIEnkDbmlyoR42PgZogQnYclc5UZA60xvgfpBIRInDEduT/ACr2caMqfvGjXIHBKgA+tIuhkqWCDkZyODRyoLnjbfAzRI4yTE5wOQTjn8qYvwR0TrtYA45PUV7L/wAI8rSeW4kxyVLLjNObw6SqgRcA9M+3UflRyoZ44Pgdorso2MDg8E4PSkj+B+kvwls+7jgnivZE8OxuAZEwFBHI5OcZp0GgRkHKAHPzgAcUcqEeM/8ACkdEH3o2z2bv/nNL/wAKQ0RDho5AMDLZHGa9lXQotzuYTy3II7+opW8PbTwuAeBjqD6fX2p8qC54wfgfpEZG2NwCMk8dPyqT/hRmmDLGNsjgE+p6V7GPD5AEeCuM5DHH4j607/hHk3ALEx7AtjijlQXPGv8AhR2io5/ck8nADfpSp8DdGc/MGAzycde1ezNoEajeThsfd79c/wD1qUaAxYGKBlYnBAwD656/59KOVDPGf+FG6Nuy0bDB6AdT3HSmr8ENGVinluDnn646V7UPDytG0RjBwM5K5AP0/SmJ4bVMsqbs4AbHP056896XKgPGo/gfoD5EaMfmBJIwKc3wO0cHy/JfpyWX869pGgbk3LEN6/eUnB56dqa/h/BxGBkDvnav+HXFNRQHjS/A7Ri2BAwIODj1p4+BejBgNrdDnmvaB4ajBBePHHXd17/h9KanhopktG3P3cDJH1o5UI8ZX4HaMi7irkFto3YHtT1+B+moNwgfPOAa9kHh5yRHJCvI6hf/AK9Kvh8r8rQpt3dSBzj+dHKhnjg+B+kFQ+xvm67hUg+BekKvmLEWKnJGM/0r2BPDyLgNkjPy8jrxx71MfD8SQgLAACcsN2CfwBo5UB40vwP0YZJibB684/Knn4H6PuCqknrkryK9gTQN2CUwqkbVJ4B9j19adJoMfChMkEjGMn9aOVCueRx/BHQ8A+S7EjIIHX17e1OX4I6NtLMjjcRwen5168NGVRjYVdRgccDtUg0VUJR0XJbIYfTpRyoL2PIovglpQUHySDnjIAz/AJFPj+C2kKFZoWGCMnAGPb+tespoYCFh1/iwcn/P+eKUaMrv5ZHKsSR1x70+VBex5QPgno6EMiYy38X1qZfgtowPMRzgen+RXqY0PzQd0YJPTOMY/D+VSRaIqLtAIJXgcDFLlQuh5X/wprSiobaWx3J/z+dTL8G9KPzeWw4+6ByR+Ventpar8qwgFTzzk9O1PfSjKuCrEdcjt6A4/lTUUNnl3/CoNHDMixkAH5SeCePTFSQ/CLSxGA0RIHH3eef89q9Ph01wSiBW5wMAnI75obShMQrRYOeoPb86OVBdnmkfwl0cPsMOCR8qgcn9KdF8JdLJ/wCPQkZ4PUn8q9NXSI0AHlIRj5QB+tA03ytqyKdo7cgnB/SjlQHm6/CWwQgNAMqP4l69wBU1v8KbDABtyP8AZCjv24r0R9MjA3hRljyT296kXTGDncC7HptGSPfPr2osguedn4Y6fC5CIDnjaV68deal/wCFaafEvzRAvgcqM16EunCMlmU5z8w/pThZYkAaEn5PmK8/nnpRYLnAp8NrHadkAA45c8ge1T2/w+0wBQ1s2NvfHX+ldx/ZxYnCYwcLgc9/y+lKmnPMpIGWUc4wf/1UWQtTjovAGnqVK25DKwwVHqKlTwPpZGyJCqt/Fn7w/HtXWpYR8skYUjjPGP07VN9iIKuYhxwxXqPbvRoGpyi+DbRGUqg3n+Inj/8AV3qb/hD7NGU+QMAcbhkfhn29q6j7AHYuo4XuR+XHanDTyASrYPcBcc9MZzTsBzcXhiFmVyCBnkBDgf5FTW/hmzdi4QDAyVBxxXRGyEaIXySTkcAn65NSNZhyM/KQAcHHTnmiwznx4ftgAWXj1z1qZdBhB3JEdw6tknHvitqOybeVVCAQCQRnPFSCxhIwIz8vJ3Hj9DQJGPF4ftSwkCMADgEJ3/L9asRaTFEGSRcHqMDqe+K0I7UOoyu0KeFz+Z/z61LFaxx5DEKqHAU8jOaegGbHo8RQHySuCCu0/wA+KeNLhcBQjEA8npn36fpWkY2Ztu0nP3SD94fn79aRLWNf3bRsHLYwBzz6+tGgFIaXFhd4GG6HYacun7V4QMu7bgdh+H+fer32NyQI2wAxOzbz+PHvUotpuN8WTkjJ6D8vwoDYoJpsUreYUORye+ffmpIrEEvFyAMcD/69W0icHIjGfUdMdqc1s8kjY2fKvUHkfnz6flQBUNikbgupHP3SKdHYoGCFeF5PzZ5/DGKueSfKMsgP3uhOc55z+lPWN5ISgEhA5Ck/XPFCA93/AGXv+CjH7QX7Nl3b6PPrsniXwyhAfQ9VuC/lJx/qJTlosDGByvP3a/Tb9mb9rn4P/tT+GTrXw91ry763Uf2lol4Qt1aMf7ygncuejrkHp1BA/FT7OXRVt1IwSWRyM47H3rf+HHxI8bfCDxhZ+Pfh94iuNM1OxmDQ3FvwXHUow6Oh6EHgjtWU6V9Y7lRa2kfu7RXhX7D/AO2l4Z/ay8Cb7pIrHxRpkarrOlq/BJ4E0eTkxtg9eVOQexPutYRlzFSi4sKKKPaqJCiiigAooooAKKKKACiiigAooooAKKD0ooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAHSiiigAooooAKKKKAMD4pRXs/w61qHThmdtMmEX+8UOK/Aie0mguZTcxkOZCGDDkNk8c8g+tf0JzQxzQNDKu5XUhge4NfmN+31/wAE1fiV4V8f6n8Vvgn4Vuda0DVLl7u8sNOQyXFjKx3SYiHzOhOSNmSMkYAANZRl7LEOUtmkr9mm/wA7/gbpe0ocq3Tb++35W/E+IPsUjkgjIPVhkZpJLMqCUUnHAVjz+lbl9ol/p101hf2bw3CMUliuEIaNgeQwPKn2NRGxEbcAAHkbVAH4+td2+pz6owX01kGCMEnscUrWJc4ODnoW/wA/yrbWwLBZSw+YcYHJ+vWkk06QISeAPvHAxj8uaNxW1MV9NEbZVPXjZ1NNNiCSXhT2Hp6H29a3E0+LlGPCNwemf0prWAYAqBtycgY/OgZhf2eWOFTII6henpTP7OYZ3DIAPOP1/WugfTugRSSB/Af5imtZhEJCMSB8+M59OlLQDAOlY+XHze3f8/5Uw2BWTIj54JJrfXS8tsxztyuVwfX8OKDYEOZJMZHBYjkehoAwfsShhMwQ7uyjFMfTuAQCN3OMciuhaxbOzy1KqeABz+P+f60GxjZtyry3y7R29xTA5trLbhQuQeCd2fyzSrpYBZpLfqcAY/8Ar1vjTyMjgKDyKSbSkKbt78jIyeT/AJzSA52TTFRiu4qA3AA4P50raXg8BwQO3TH+fauhOkhMRhAf7u88H8MYpJdLZQf3LEHBJUHGP896Avc5xtPjJ+4rZHY45780HSVbLC3HBHT1+ldCunb9yqvO35Rt75+lB04iMRspVuwC8YoBHNyaYCMZwcfKxpo0tsYKYfgkNwDXSHTCwUKckHkEDn9KR9KOQuxiB1Yp3oA5v+yjECww2R0wcUDStqZCfXHr0610i6eWY7oVzkY6YzTZNKO4KxIJODg5x+J+lAI53+y0ztER2MP4hn8Ka2lrIFZFKsTj5RnP+fWulk0tHIZT0PcZ/wD1U2PSxE3yrlR1YMcEd80CObOkR5+SPJH3iTwab/Y4ExkjQjA5yrZzXSyaX8wGAeMpxyfxpj6a2/Aj3Ak4KkY9+lMZzj6QGbLr0AOWXqPShdHCSBTGMjjIb2rpX01SdkajJ6gdAKI9GRedmSEByBkdqQHMPppQtgKFIA5Unj+tObS9yBEU/L0BA/yK6Q6ZEkmVjAbOeD0NB0vzG5jYk8N0z+Pp/nmgDmV0b93t4z1Jycdf1pDpP8A6BuSB/Sukj0mRjgbhg846AZ7/AONOi0cnkgg5BXcw6HvQBzDaOWDbAmQQTkdvX9Kd/Y4GGESnc2WAGN3sO9dINKXBPlBgRnBXIHuMUxdN2KAy4PbAxk9jQD1ObfSmjYuqkcfKWGD+dNGlsVVkTgnIYDgH8a6gaO5AO05UZIPPHSk/scn5yihjjrk5oA5ltIeFREoAx1GQSaF0khcEcDpg4Jrp20to9yllAHBLZx7U0aVEsY3xt9zGcZIPb3FAHNSaQNokbHzHqx6nHQ006MzEkwdPQgH8PSunm0nLBjEQmRg4BwMf40HSJDIXz8xOQyN0Hp147UBc5kaUY2CKrHPDEdFpV0pgiyA7hj0Jya6RtNTiKPG6ReGC4Gfy9Kb/AGYWG2YAKem0cmgZzz6Qsgy8Q759/wDP9aU6WyMRsC7uAOBj3z9R/nFdA2k7XBY5OcA89eopx0t2PC55wQWFAHNDTdsu0pgAZYknrj6c0NpKycopLbeSenvmukGmSfLHIoXjCg9xn9PpxRNpfyFHXLAZJyePw/CgDmv7F6EKMn7xK9hzmhdNjkJYR5yMAkYHvXRjSXcsGTBOO2en409tK8rIeLcpHLE0CZzLae0bH90MgHhu/wBKDpBITcoAPORzg5/+vmukfTTGcNCdmflwPy/z9acNKVRuAIwAOVA59OPegDmP7HVg0USj5uOOR2/KnHRkOHkjHyj512k8/wBa6M6O4LAsTtPVex9s9etA0tcA+WU2gYA5GeSeetAzm005SQjAqM5ORwRj9TSR6YHBDksFXH3sfnXStpQX5dqt24HP49qU6VMBkgkfxY45z/n+vNAkc42kiEhUBIK7icZGOc/4U0aZIVDLlAFwyNwB6f4V0b6YyuFKqSVyAF69/wAqP7KCocgNkfwjOfX9PyoDc50aOxVZPKCocEFhyM/hQNJhEgHlBWIKjYvB/wAa6FtOLYQBgwA35Xmj+zJ1+by3wT8uB3x+FAznBpkpUb4MAdfU5Gf6YqVdG4G1cbc7QeCee/4V0H9kAOWCFwuAVGf17ClOkYkBKnaegA5HHTH1oA5saShZi8WQBkk/oOaRdIDMQYSGKfKu3GM/z+tdKdJcKCmMqeTuBA45/wAKY2lzKGzH06fNjIH8+lAWOeOl84Tqqgk5Jz2/zilXSIncMSQS3ORk5H5flXQ/2bLzJKNqnI4X144/GlOm7mKLDkBcDr0FAM5x9JLEbYySD6f/AF+KUaKAD8mQVwQcYPNdCmmEIU2Kd74yuTj3po0hd3UlQwzuOP8APXFAjA/sgeYx8pgwYYJPqACfpTZNKTP+qOOCNq89Oee1dG+nRhxtTAX7wHIGAfy70PpoChDGAx+78pH+frQM5xdMdlCkZLDIGOTn69Onal/shkbIjKg46LzzXRDTpGBlCkgHoVxu9/5fyp39mkeWpiBYnnDDjuPf3P8ASgRzMOl7hiKHDBdoyP8AH6inrphMSRLGGcIMZX9eM10kmkyKBHDkr12gADHOQKG0YDEIyGI4O0entzmgEc3HpDOpidQFGOi9fb8MfrQujMpw4yBw2TycHp2/z+vQx6VscvJyFxkHJ/A0v9m5BeQE9Rgr3/zigZzTaMzHb5bbjwAQPmPUdPyp/wDYqvuCbcYHDryf8eO9dAumyMUXyiSpxjHfoTx14p0WnlZGGzgfeG309Mf1oEzmzpDNKAD6FvYf4059IAjzIp+5jAJH/wCof410J0d0YOhC7Ryo49/xpyaMVGZNxOMlj05/D60Ac6uj8jzAem4kg8fT+dJHoscYIChuBtz24P5f/WroRpiJl2QkbflXnnPv+Gak/sxvMCLGzZAPTpQM5n+yY/N2+WN+0fMGzz/n9PSl/sduD6kMQG5HJ6Z+tdJ/ZkYG4MwLH5VJP646dab/AGU8XzEFhnkjovpigDnBpqlTiPdgkZ9R069/8ij+ygZC5wAQMDHDHFdJFpCMoywBP8XXB9h74zQdKchSygEHBz15oA5ttFUqETgL/AF+7nj+VOOksxRREcNnDBenv/n+VdGNKlWTy442YY+9+Y/z70h0yTDCEjPX5TkEc9h+VAHOyaOzIoXC7eQCOCBj/Dmkl0wbQWhzv4Oeg/ziuk/s2RJcGMFSMDB4xx298/5NK+no4VVC9Pmwckc9u/40Ac3/AGMAwzGqll6Z64P196RdKYoGEeDjPKnHUDPH610r6a28sUJ5AIxTTpqPGSRktjrzxQJaHNvpG4B2B2jnduOPr059aemlkNh4yQxAUE42j8a6P+yt5YHggg7lOPx9qF0qNTuCFSWI3E5BOemP89KAOcbRlXEm3nJJOeBn8OtNfRODiMgsNy8AnPqD37V0zaTtQgjoOR0yOc/pTTpazqpwQobdgHj/ADx6UB1Oe/sZVXdyVZR3A7/4dKYNEaT5Ag6Y684/rXSnSWZM3EYAUdscdfSlGjEthIjhBzn1zjv/AJ60BY5h9GUKCYTnJ4Uclj60raTJJjah6HHUZHX8q6htNJwywswwSp59e3r69Kj/ALJRWMnysBnp7d6A2OdGkOzeWI1ygI4Ofz7470n9iCVW3REAnGAOgwfXvzn+ddOukYYqIyCRwV5Hbj88/lTItOKskjxLgtt4HHPfJ9v5UBY5saUqgqQrHdnBJznt06fT+dL/AGO/n+XEi7gRkA8nAPP8/wA66M6Y7t/qwvJz8uOfTn8D+ZpF0llQEghhknIIAI/z6UAc6ukIx4UA4yBjoD/OgaMGJLr/AAfKQvUntXRrpoWYgEN2IVTgYA4xSjTtxGACCpJA4A4Hf8aBnNjR1cmSZU7KNo5OSR3obSmicNgD5sLnt1OMjrXTLpjCLauCxAJVh0HoPT/69MXTWiAzgBl59OT698n/ADxQI5x9JiyB5YBK9R1I/wAfb/GmnSEI8xxwcKhXOTz1z17V0/8AZj7lkVVILEBRg5oGjpJtVV4BOdq4xwAcfp/OgZzf9hs0jN0OcAEdfTr70h0XDKpThSCVHQcf0PNdL/Zu1t0jMpwA6hchQev5ZFFxpgcbViHJzjHOO9Ajm5dI3ybHXcSDwxzkZPHv9T6UHSnJO1SAf4QuOe2f0rpX0kcRsGAIxgDnrz+HvQ2kjbvZWwV3BieSc/8A1+KBnM/2OpUMBwVwGRckfl9etL/ZXRFUAkk46cHsPTtXSLpDeYoZR1+YZ7+tP/sgKxXC5JPQ9O3egDmE0U7A+AwP4k845FKdDV13Jkkn5htxwD9P89q6dNLaNSvzYbsVPrjg9v8A64pG0wI4C54JKYbOPfpQI5YaUV3F4d5IGP4hjn8u9POigMsS4GDgAL064P8APiulbR2A/eoFPYr69Of8fenLo4ON+SSQA3cKP89KAOWXR1U8Qhs8ccgjHX6+34UsmiKxL8hckcAHcOff/Oa6f+yHUeY8fBOcBQcDrQNLkdhLuKqAOR1568/19qAOaOigYLpn5gVIH4f/AFqG0RWJby+DwFC4wB/MV040dQcSqwAOc7eDxk/Wm/2Szkxsoxk/NwDyf/rf57Azmv7IJfaEPB78fhSxaKVPzxgso59D+ddM2iRqquTgjG8Y69Ouen4f4Up0hApVEUMccBuD7UCOZOjKAQhwQ3Oenp/XP4UqaMi5h8r5VIyB+RB4zXSnRizsWVgoAPykgZpP7LXzAFVDk4XYepJ/lQM5s6JGE3OuMnALDsP5dv8APUXR1UBxGq5A5YZz7+1dL/ZhMowm0AdQecZpz6VuxuKrnd/D6/5H60AcwNG3EbucnPzLjHP6UR6M2/dtBHQNgYzn9f8APSupbSgAWSLaBjD59uv86H0kx/vDtyMkgDH+fT+lArWOWbRsYk35GduFX7uc8Y7U9tF3fIVdccKdvGM+/WukTTVywYnBJyFPQ/TFStpmTgL9wkgjnrn39qBnKvpKLhBECx+6xPFKNGQuW2hkbGVJz6en+f1rqI9LwDGI1GVIQDkgj6fSmNpqh/nUoUI5U8frzQBzX9hsrEsGZTzkLzjsKU6P23jgDbtPf1966b+zVUlpI87wNyngjPpTl0sbMPHlQ3XIyv8ATvQByx0cnCNFjIJ+Y8Dvj/P6046BGIlGQx7nt/nr+ddN/ZsboERDjfwW4JPX05p40hXkMfksG6AKTj+VArHKR6RGqo21RnPXkj6mg6GoAbym6/eAwMf5zXU/2XBgqUwScAhT/X8BSLp21RGsO4HoF79uePrQM5kaKyEAR5KrgEDv+XNPXRgVOOwCkeuT6YrpksYip+TgYwzcjPpTf7KjClt4JBByEOee/p7UCsjnItDG4HDEbuBjP4H/AD2pW0cBt3yZbJXK4x+f9RXS/wBnAgBcMSpxheue31xTU01cqHhXIBIAHU9/6igDnE0U/d8vBxk89P8AP9KemhrHu3QEJkDcRyK6H+z9oI6gr93r3/nTWsHaTa2SD/eYHB9aAsc8dHG0/uyflJ3EdevP+fSkGjCKTe69sjC8dPSulWzGRHIrsNo2jv7/ANDimtp8IJO3oBwF/OgLmAmkh3PBBPUsuScfypU0couyOMH2yDn9Oa6F9Oi+VmCjsNqnjj37cUiaeolDGEAkZOT3+uKewHPHRyxA2YyMHnGD+lOTTFKbjHw3BbP4fzroP7KH3I05YA4zzn/IoNluBVV+70z357elAXMA6OsTM56MowM/jSR6SshaRIdp6N2/MV0KaWCOmPm46/nj8vzp32LysbAGVuSF43Dpj/69INznxpqiIxNxjjdj/wDXSPpHnY3Rnjljjgeh9q6FLEOojyTkcEgDFDWAyoBPQhWJH+f1phYwF0YYXEIHPyn+L9RQulouZGK8NyrDk1vpppUZ8ok9V+UYwKHsE3cRHBIBHIxSCxgvpS7gVBxwSGoWwBwrBWyMlXPJ/L8a3xYqWK+WchhncueB2+tC2okYqynI9v6UxnPnSVVNm0HI5GOnPcVKdI2Fo/LzhTtwvB9ua2n09DhhjOThccYx+lL/AGdu/dyQgkYGGXv9D9aBWMNdPUxAugy4ABHB9Of89qcNKSVRtdVUL1bpkemBWy1mI5VjITGME9fxqRbMOxyAQ+eGH+fyoC5gnT1XDJHmQjjj8ePUUf2ezy5kgY7FyBtzj161vf2e8aYktgQRxgURWRePDKcDoxBJBoAxP7Pc8GFmySCP/r//AFqBpZIVdm0njaQf8a3VstrbmUYUcEr3zihrQlmVYg+MZG04z9KLCW5gJpzKxYRkHPLKPapE02PaWQgZ+98vT1H+fStsWoELIsWOMc9B+B6UiWRV1CL1HzEdfz5+tAGQmnZJK4UDqQcD8/6Ui6W4PXIPQY7Y/WtubT9m1GiHJ5ye3rQtm7AhW+70Gcjr9KAvcxn0khsBQozyynII79aVtOEedpBDYCkgjitn7BICVkQLg8Hp+tKLFTkMNvTauef0oHYxjp0UahNqnOCO2R6mj7Epk2rHkj5Rk8fXNbZsWGxhxlsqCMUQ2DFgh5HoRwD/AJ70AYr6e5PzxoRjGQAM8evXNJHYKcIUfA+5tPf056VuixEB8zylAboRSPYIyFz0JPDE4B/zmjUWhjx6UyOWXb8q4wM4PrTorRh+8wWXqQW5GP8APStc2ErASyR5APzDtj8qc9oJPmQcjhiCMf8A1jQBjpZKAXIB3HhWHXJpzWESNsVCDjOG4x/hWotpMjBUCjn5iBgj9KlFmYjnKHpgFOB/k/8A66AMcWYVfMVQMcHC49f88VILSTIEcagH3689RWmlmHyPL+UD+F/u/SpDp5X5vK5YZ+UAcf57U0tQ2Mf7ADwgGSc4A7/X+lK1o5+UMWIPXPBP61sLZBUYTIQcg7iDkf0pY7UAsphHJGGI64PuaQeRkxWm6PcwBwPnyOuP/wBead9mdI2DKNoxyP8ADrWqllIVOTtLdRtwT+I+tKlioVjOuQf4QuKfUaMmC2AdjsViFJ+VSf8A9dPFpiYiQcE7lXGD71py2AALxxsMkZwAAv04p0cRZNxjGFOGBTP1OfbrQLYzFt0wIvLC7hnBUZ/Wnm0OAfLGFHCk/d/M1ehsGBZ4XKn16A1J9lMakLkkYIAOcCl1AoTQhiNoCtxuCjpx7dKVNOTIIBOD1IyM+1XjarI4G0DP3cA/rxxSi3+bAxnPzcZ7U7jWxSSJQQSjAY49OO2MY/8A10R2m2QF4S2F3IS+cfh9avpalgVBDbjncRjB4xTktghxLEcgYyO5/pRcClFaq6ZlUhc8KpB69v8AP60fZwhMbltrA7Qece4x+FXUt0EPyhgwPAA4p5gdUEeBwOABkAUXEUBFcMNoGFBwDzx75xUzWgaPec5U54PJOPbp/nmrSoWiywY46Y4xnigW5wVOMnowB4+vNFxlVYJdwy/y87h1x9c8/hmmrDCeIQCRngDp+P8AjVoRfP5TYYj+I1LsDSgrECQDhjIKVw3KjW7+So6r04B496IocOIiqcnk5JP8+OatvbNkORxj5ctwAKRbVpOjKSDkhlB5x70XEdV8APjH4r+AHxZ0n4oeF7tw9jOBeWyHAurYkeZE3Ygjp6EKeor9pvA/izSvHfhDTvGGiXCy2upWcdxBIpyGR1DA/ka/DGGzeZ/storlyyqir1YnsBX7O/sm+F9Y8G/s9+FvDmuxNHc2ukwrJE3VPlHy/h0/CuOtaOIjbqnf5Wt+f4nRH3qDv0a/G/8Akej0UUVZiFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFH0oAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACggEYIGD1oooA5D4g/AP4LfFdAPiN8MNE1h1BCTXunxvIn+65G5fwIrxHxr/wAElP2RfFMb/wBh6NrHh+R2zv0nVWYA/wC7P5gA+gr6doqVBLbT00L559WfCHin/giV4fkkZ/BHx0vLdCOIdU0hZyT67kdB/wCO1574k/4Iv/H6xkJ8NePvDGoRqchp5Z7eRvbAjcfrX6Y0VV5rqLmT6I/JbxF/wSp/bK0Rtln4EsNTTBy2n6xb/wDtUof0rlde/YC/a40GEyXvwF1whRz9kWG5P4CJmP6V+ydFPnqd/wAAvHsfiFdfsy/tBaYC9/8AAbxhCVOWMnhu64/Hy8Vz+s/D7xf4flY674R1OxAzxdWMkWOvXco9a/dwqp6qPypjW9s4w8CEe6in7SaF7p+CpsIjgliMdcD2/wA80hswGyZCw5wMc1+8N14Y8OXqlb3QbOYHqJbZW/mKxdS+CPwb1kEav8KPDl1u6i50WB8/mpo9rPt+P/AHaPc/DU2II2lMZxjHUGmmxDABEOQRgnI5+mK/bG5/ZK/ZdvMG4/Z58GEj08NWwP6JVC6/Yl/ZMu+JP2f/AAwn/XHS0j/9BAp+0fYVo9z8Xm01TjKbcDrwOfy+tNNmWRiF5285Oew6c81+xl5/wTz/AGNr7Jn+BumLnr5E88f/AKA4xWZcf8EyP2Krglj8IHQk/wAPiC/AH0Hn8Ue18gsu5+QzaZ821UDcDJxz/nilksQNpMYAPTcev/16/W6X/glr+xc+dvw0u0z/AHfEF5/WU1Wk/wCCVH7HTcxeDtUjP+zrtx/VjR7Xy/IOVdz8mEsNqAqu1mGC3Ax+XX6U2TTUXKiEsR1bpkfia/Vyf/gkn+yNKSYtO16L/c1hj/6EDVSb/gkJ+yrKSUvvFCEnPy6rGf8A0KI0/arsFl3PyubTvK+Rd5BH8LYxTTpkSH5Q2MdFB49cV+pT/wDBHj9mBiSPE3jBc9hqVv8A/GKjP/BHL9mYjA8YeMfYnULYn/0RR7Vdhcq7n5dnTbVuWz36t1/rTW0h5QASFHU4Hb2r9Q/+HN/7NAJ2eMPF65GP+P626f8AfihP+CN/7NqY2+NPFxAHe9t+f/IFHtF2HZdz8u309Pn2JtVCNw6ZobTpXi8sQhRyCAPr9Pyr9Qf+HNf7NoOR418XZznm9t+D/wB+KQ/8Ea/2cTy3jfxaT6m7t/8A4zR7RW2DlXc/L0aQSu0BgXPKL2wKc9izEv0IA2lRgHoO/T/P0r9Pz/wRr/ZzLb18c+LR6D7Xb4H/AJBo/wCHNX7Oh5PjjxWT2P2q3/8AjNHtV2DlXc/L06aAGllUnLZXeMZ/xpU0toiWZASfvFflxX6gD/gjT+zuAAfHPio4PU3EGT/5CoP/AARs/Z5x8vjnxUpz1W5gz9eYqParsFvM/L99PDssZDEjqTwc/wCRSyaS7vvHbjrwa/T1v+CNf7Pzkl/iB4rOc/8ALxB/8apP+HNH7PmAB498UjHT9/B/8ao9ouwcqPzA/s3y02kJyOW5Iz37c0JpjOMyAMeydP0r9P8A/hzR+z5kZ8eeKDjkfvoP/jVN/wCHM3wCzkfETxT1yMzQf/GqPaLsHKj8xX0oDESQ8A8ls4PvUb6TJI+/YrBQMnnnJP8ASv0/H/BGr4AqQD4+8TkDsZocf+i6Q/8ABGb4AFDGfiB4n5OSfNg6/wDfuj2i7Al5n5gDRXX5sbgW28nr79/8jpThp0jA/MRjgIe/+fxr9PW/4Iz/AAD6p8QfE68Y/wBZB/8AG6T/AIczfALbt/4T7xKSP4vMhz/6Lo9ouwcvmfmA2krFGWRlOTwDyTjHNCaSQm5eR1+/z7elfp+3/BGX4CPjd8QfEpweDvh/+N00f8EYfgFnJ+IHiU9MfPB2/wC2dHtEFvM/ME6cfK3zrtCkrhT6n/61LHpa7GXJbB5AHPr3r9Pz/wAEZvgMEKx/ELxKCT98vCSP/HKjf/gjD8B5GBb4h+JeOmGhH/slHtF2Dl8z8xRp1ux8wqpKdPmyfpmg6bIG2YDDgA4zt/HrX6dD/gjB8B8j/i4fiPA7Zh/+IoX/AIIwfAZf+aieJOvygNCAPoNlHtF2C3mfmINLwyS43L64B/SkFgNoVF4J+U7cH/PWv09H/BGP4Ejp8RvE3fHzQ/8AxFC/8EYvgMoIHxE8SYxx80PH/jlHtY9gt5n5iPpUhJ2IBx8uDnOabHphOWEfzA4wD+nNfp6v/BGP4EqQV+I3iT/vqHn/AMcpJP8AgjD8CHbcnxD8RAjPOYT/AOyUe0XYOXzPzCXTWZ3QpncSuQfu/hR/ZZjJKqBjG44xz261+nn/AA5h+BQxn4i+IjznJ8n/AOJ96Q/8EYPgZxt+I/iJfp5P9Uo9ouwcvmfmG2lOpYStnaOCmQPxx+X40R6aRnA+6DlVOP8APp+Nfp+v/BGX4GAEf8LE8Q5LZJxDlvr8tM/4cv8AwNJyfiT4jPGMHycf+gUe0XYOXzPzCXSygV4wdxHAJAyPahLFoz8qDk/cHX9a/T4f8EYfgWFwPiL4iGVweIf/AIil/wCHMfwKLZHxD8Qj2xD/APE0e0QcvmfmA2lSZ2leVIA24wR3HHWnPo7KDlQNxLHnGOOPp/8Aqr9PD/wRi+BfAHxF8RAAHtD1/wC+aQf8EX/gXyD8RvEZBGCD5P8A8TR7Rdg5V3PzCfS9pxECWxjAOAfXrStYK7blYMADgEHBHY9a/Tz/AIcwfAoLtX4jeIwR0I8nj/x33oH/AARf+Bnyg/EfxGVX+HMOMf8AfFHtF2C3mfmGNLEZMgR33LkYXpkc0g0qTZv255O8Bck9f8//AFq/T1v+CL/wJYY/4WJ4jx0wDFj/ANBpT/wRi+BjdfiR4k5GOsPT/vmj2i7ByrufmFJpzj544Wycjeev1/l+dObRl8wLsbJPQ4Gf/wBVfp5/w5i+BZBx8RfEQJJOf3Oc/wDfFIf+CL/wKZyx+I3iLkesXHP+7R7RBy+Z+YY04DeSijedoUNk/nTf7OBDEkcHPQYz+uO1fp8P+CMfwNXO34j+Ix6Y8nj/AMdo/wCHMPwMLBm+IviI46AmH/4ij2i7By+Z+YjaVIrvGVL7RkqQAAe3f2pp0wKisYyO2AOcf54r9PW/4IwfAt12/wDCxvEYXBG0GHHP/AaB/wAEYfgXu3N8RfETEHOT5PXn/Y96PaLsFvM/MBtOUybWXYewKjJz268fWkfTSf3Y3sAM5wc/pmv0/P8AwRh+BzDDfErxIR6fuf8A4ilb/gjB8C8Af8LG8R4B4/1P/wATR7RBy+Z+YUelSKpzFjK9SegHtSnTWUj5hsBwB361+np/4Ix/AwrtHxG8RA5+8PJzj0+5SH/gjB8DCCP+FjeI+vHMPH/jtHtF2Dl8z8w00qQ/uwmOoZGwCf0/z+lNk0d2YyeUSqpyB6kf5/ya/UAf8EZPgaG3H4jeIsY+7iH/AOJpj/8ABGD4GsMH4leJMZ55h/8AiKPaILeZ+YZ07eQjxEfKORn+lKdIBZTtPJyQw7HOP8/4V+nZ/wCCMHwLLiQ/EXxHkdB+59/9j3pT/wAEYfgUevxE8RZx/wBMv/ifc/nR7Rdg5fM/MEaUNxby8DaMjrjPbn8KbJpUjfdYKMFXGOB/niv1Ab/gjD8DDw3xG8REcdfK9f8AdpP+HL3wKVtyfEXxEvOTgQ//ABP+cUe0XYOXzPzDTRztwYxnYvPtzg/pQ+lnaQV3MCep74J/pX6fH/gjH8DCuz/hYniLHpmL/wCJpP8AhzD8Cw+8fEbxCDjA4h/L7lHtF2DlXc/ML+yVVQTjqAvGOaJdMyQEjA38EjuM/wCeK/Twf8EYPgUAVPxF8RHPT/U//EUP/wAEX/gVIQW+I3iIkHPSHr/3xR7Rdg5V3PzCOmAlehbcfkUfn70JpaxkgooXHdenriv0/H/BGP4Gglv+FjeIunQeTj/0Gkf/AIIv/Atyd3xH8RnPX/U//E0e0XYdvM/MObSgqgOCSOQCOOpP+TSvo+WEW0Bd2eOc1+nf/DmH4GkAf8LG8Q9D2h5/8dpB/wAEYfgdtVf+FleJBtHH+p/+Io9ouwuXzPzD/szYoeNX+cY3BcY9vz4/xoTSwijCozbgSBzz3/z/AI1+ny/8EYvgWF2j4jeI/b/U8f8AjlJ/w5g+BWPk+IviMHGM/ufTH92j2i7By+Z+YZ0oIwGSzZ2gntnH6U1NIcIYYmxgDDAjg4wRgjP+fev1AH/BGb4GEfP8RfETcdxD/wDEUjf8EYvgWwIPxE8RcjriH1/3KPaIOXzPzDOnAHaxYHHB4B5+nXvSjThEMCBj1yAMkDByOn61+ng/4IyfAdfu/ELxIPmJ+9F+X3KU/wDBGP4EEn/i4viXkdC0Ptz9z/OfpR7Rdg5fM/ML+zZXlVBGQHAGAAPr1/LP401tMZCQkQIYEhhz+f8An8q/T8/8EZvgSQB/wsXxIMHIw0Prn+5R/wAOY/gKBx8QfEnTHLwn/wBko9ouwcvmfmA2nNsVCDk5ymOP89qU6bF5jbV4bJU44HHJ6V+no/4IxfAlVKr8RPEuCcnLQn/2Shv+CMnwIZtx+IniTHZQ0GB/45R7Rdh28z8whpm5dvlnA5YK3J9eCaE0sMSgcb2ORx25/Pr1r9PU/wCCMfwHH3viF4kb2Zocf+gUD/gjJ8BwSR8Q/EmPQtD/AD2Ue0XYVvM/MI6WkT4aPcQCH3c4HTj8adFpLgY2MSBnYOMg/Xp/9ev07/4cx/Agfd+IniVf91oR7/3PUUv/AA5k+BAGB8Q/Eg4xwYf/AIij2i7ByrufmJ/ZapvbB4TnB46k+n4fhR/ZT4wm4hOyjHH079q/Ts/8EZPgMSSfiJ4nIbt5sPHrj933oH/BGT4CbQrfETxMcd98AJ/KOj2i7By+Z+YjaaFw/mZwOQT27cfp9RTf7OcE7oTyCFYnAH9R04r9Pz/wRn+AhTZ/wsDxLjJ/jg65/wCudIf+CMnwDJUf8LB8SnacjLQH/wBp0e0XYOXzPzDk04rGshXksC2U+6Mfy9aSPTvl2lSNo2hgO3X+WK/T0/8ABGP4BkAf8LA8S4HYPB/8bpz/APBGf4ASZ3+PPEhyACDJDg/+Q+9HtF2DlXc/L9NMB+6wyVyd3T6dfX9aSLSmVd6HAI5DDOOR1HQe/ev1AH/BGf4Cg5X4heJh0xiSHjH/AGzob/gjN8BSAE+IPiZT3YSQ5P8A45R7Rdh28z8wY9JkePI2lgPlBPHfj3/XpSrpCq+GXGMli3OD/Tiv08H/AARj+AQII8f+JRj/AG4f/jf0/KnL/wAEZ/gGGDHx94lOD/z0h6en+ro9quwuXzPzBk0qRnOVIwOCw6A54GPwpf7NDBDKpJPyhVHIX/PWv09H/BGX4ACRpP8AhYHif5jkqZYMdc/88uKRf+CMn7P6tuXx/wCJ/YedB/8AG6PaLsFvM/MObSJQcqu8qe3BP+NImmohIkOSOWwDn06/jmv0+H/BGf4ADOPH3ifJOcmSD/43S/8ADmf4AZ3f8J94mBxjiSD/AON0e0XYLH5gppibSXUk9F+bPp3H8/anLpDbh5gGMg7iP0z6/wCFfp23/BGX4AMQf+E+8TjGeRLB3/7Z0p/4I1/AHnZ4+8TrnriaH/43R7Rdh28z8wV0k+ZuY/MGI4yeSfT6CnDS5fP2lcA4wSOo9P8APrX6fJ/wRr/Z+WTzG8e+KM+08Pt/0zpv/Dmf9n0nLePvFROckmeD/wCNUe0QreZ+YX9mHGySNckAEA4yP84FOOmyKhDkcAhWcg/h0+lfp6v/AARo/Z8VQo8e+Kff9/B/8apq/wDBGb9nwEn/AITzxQcjBzNbnI/79Ue0QW8z8wTpkjqPr8uBzninjTgq8DHOACOB7+/QHNfp4P8AgjP+z2AB/wAJ14owBgjz4Of/ACFSSf8ABGb9nmXBPjzxSP8AtvB/MxUe0XYOVH5iRaSzcSAgYycDv6e1JJpTlAY0BA+8Og6njiv0/P8AwRp/Z5Y7v+E78VjIwf8ASYOnp/qqF/4I1fs8DI/4TvxSeMDNxb5H/kKj2i7BY/MFdKUqZFiQH+6SOeo6gcUselqAUUfdIPzDBPPv+dfp8P8AgjZ+zvjB8b+KTyCT9pg5/wDIVB/4I2fs84GPHXioc84uYOf/ACFR7Rdg5UfmE+mrgs5O4cAOOvH+fypyabyAVAUjKhR0OBX6dv8A8EbP2emXYvjrxUvPUXMB/nFSj/gjb+zt5flnxz4rxjHF1B/8ao9ouwW8z8wTpO0GMxpx8x4xg47fkP5Uq6aHXJhAXPPY4x0/Wv09H/BGz9ncZz478WEnubm3/L/U0f8ADmv9nIc/8Jn4q4H/AD8we3/TH/OaPaLsFl3Py/OmlnUOrKM4PyYwPQDvQbFQclG3IPlynU+9fqA3/BGz9nYjb/wnPizA6D7XB/8AGaQ/8Ea/2d+SPHni3r2u7f8A+M0e1XYLI/MA2DcbkJxyW255J5+tSjTkVNjE5UFgzZ6Cv09X/gjZ+zmBg+OPFuMj/l7g/wDjNA/4I2/s4A5HjXxbwuOLy3/+M0e0XYLLufmJ9gUMZdgUZyW9PyqI2hR8HlVBwAMZGa/UH/hzf+zlzt8beLQcYJF3b/n/AKmkH/BG39nDbt/4TTxbnsftlv8AL16fufej2i7BbzPzAbTCuSjALjjHPOfeiXT2TgZ+Y8sWx1/n/P8AlX6fD/gjX+zgMD/hNvFpx63dvz/5BoH/AARq/Zv3Zbxr4tIz0+2W/P8A5Bo9ouwrI/MH+y/LLSAhpAnAIz7+2adHpqpHlUIGPvZwD6iv0/H/AARu/ZtAx/wmni/I+63223yP/IFL/wAOcf2buceM/FwyOcXtvz/5Ao9ouw7Lufl+LAbmCg4bngZJ9vb/ADzTGsvvMYcZPzYPBz6/Sv1A/wCHNf7Np5/4TXxf7D7bbf8Axig/8Ea/2bmxnxt4v46H7bbcf+QKPaLsHKu5+YEenqMNGq7gck7u+P8A69PFmRgGRsKvzLj0/nX6en/gjX+zUQc+MfFuf732y3/+MU9f+COP7NoO4eNPGAJXBxe23/xij2i7Byrufl49q6KS8SFh2Xq3HTj8KdNYYcn5VIwV5BJ/Cv1AP/BG/wDZoKFW8YeLz6n7fb//ABilf/gjh+zS+f8AisPF49MX1vx/5Ao9ouwWXc/MFdM8yPyynJXB+bJB/pUY0xVZVKx8cNnv+Hbiv1B/4c3fs1k7j418Y5PX/T7bn/yBTh/wRw/Zm3mVvGHjFiegOoW2P0t6PaLsFl3Py9FiWkL5AA6kjrx/9enDTMoRltrg8KBxz2r9P2/4I3/syk5/4TDxjjGMDULb/wCR6ev/AARz/ZmQEL4u8YDIwcX9t/8AI9HtF2Cy7n5eNYlIgzMQV+YHoBz6UDTolw7D5g2OVzke/bHP6V+oI/4I3/syfx+MfGZ54/4mNt/8j08f8Ec/2YV6eLPGI4wQNRtsH/yXo9ouwWXc/Lz+zkLbZB8pzkZ4z7Uj2KPIRHHhjwGVuR6AfWv1C/4c3/sxBcJ4v8Zqc8Eajbev/XvSD/gjf+zCFK/8Jb4zweDnUbbn/wAl/wAKPaLsFl3Py+bTiSQR0GBj8+pp76cI0KqgBGQvOc56Zr9RF/4I7/suL08ReL8EAY/tKD/4xQ3/AAR5/ZfYHPiXxfyc5/tOD/4xR7Rdg5fM/LoadhAxxuIwM9KT7AjfuHY56gheOv8AKv1G/wCHO/7LeST4h8XHPY6nBj/0RT1/4I+fsuqSTr3i05xwdSgGMduIaParsFl3Py3Gnp1KYAyMbeP1oNkm3K2pBbBG31/pX6kj/gj/APstDO7WfFZz3Opxf/GaX/h0F+y3t2jWPFX/AIM4f/jNHtV2C3mflsmnL5SxSKMDJUoeP1pPsAD7gCGBBxjj86/Ukf8ABH79lnBU6z4swTz/AMTSL/4zUn/DoX9lbABvvFBPqdVQ5/8AIVHtfILLufloLFjkqoJzye+aFsgcAY3MOeR/L/P1r9TB/wAEhv2VQMC98UdMcasn/wAbo/4dCfsqc5vPE5yP+gqn/wAao9r5ByrufloLGX5WUZHf5R/ntS/Y4lG1geQck9cn8a/U2L/gkX+yoiFHn8SuD/e1Vf6R0q/8EjP2UVXZu8SYx/0Fl/8AiKPa+QWXc/K99PTLMRwMdemO3FKluxyssIA6cKOff9K/U8/8EjP2UTgb/EnA76sp/mlC/wDBI39lAYy3iMgEEj+1hg/+OUe1XYOVdz8svsDM/wC8jGcf3hjH40JpnJVY1GemRzX6oD/gkh+yaq7Vh8QjnPGsd/8Avmj/AIdJfsnHJaLxCST1Or//AGNHtfILeZ+WAsYio3IpCn/PtSR6epbCrwCeq5A9K/VA/wDBJL9k0/et/EJ9f+JvjP8A47Tx/wAElf2S/wCOz19uc86wf6LR7XyCy7n5XC0Y/uWcFfTA4/p7Ux7KNwSyYI4Yg4/IV+q3/Dpn9kkDaNN10Ag/8xhu/wCFKn/BJz9khQQdJ1xvQnWH4/IUe1XYOXzPysFmTGAqDA6Ejr+B/wA80qWCFT5mBjoMdfTP+e1fqmf+CTv7I5wx0nXD6E609Kv/AASf/ZFU/NomtN7HWZKPa+X5BZdz8q0sg0XliLCn+Jh/jQLGPaEMY4HGT2FfqwP+CUf7IIBU+HNXIPX/AInUv+NKv/BKb9kIY/4pvV+Ox1uX/Gj2vk/6+YW8z8pTpyswDqNwPPy/zx1pVsUBDYO5OrAAA/8A16/Vw/8ABKr9j49fCeqA9j/bk+f/AEKj/h1Z+yDkn/hFtV5GP+Q3N/8AFUe1XYOVdz8pGtvlII+UnOP61JDYo6FNvGTnNfq0n/BK79jyM5XwdqeT1/4ntx/8VQP+CV/7HgOR4N1Lrwf7cuOP/HqPa+TDlXc/KOTTyku6Xco/uqowOKBpxjBYQ7ccnJx+frX6vr/wS0/Y6H3vA+oE/wB467c5P/j9Kf8Aglr+xw2AfAd+cH/oO3P/AMXR7VdmFvM/KJrKTy8jk47dqabLadyxkY4Priv1hT/gl3+x0pJbwDfNnu2u3X/xylP/AAS5/Y2Iwfh5e/8Ag/u//jlHtV2f9fMOXzPyf+yfJtdRjryePbFAsnL5jyWII2sentmv1gX/AIJdfsZqefhzeN9dfu+P/ItP/wCHYH7Gu7f/AMK1ugSOT/b95/8AHaPars/6+Ycq7n5QpaOhyOCBzhiCKa9q8zgoz4YkEk8k+tfrAn/BMH9jKM7v+FaXR+viC9/+O1J/w7G/Yy3b/wDhV1xnPH/FQXvH/kaj2q7P8P8AMEvM/JsWrJsZn+bGCWOfr/WnG1QKHkOMdM55NfrEv/BMb9jFST/wq6456j/hIL7/AOPU7/h2R+xdjH/Cppfb/iob/wD+P0e1XYXL5n5Mm1QR7kkA3DlVXr+X+eKcto2fl+8Qeg5xX6zD/gmd+xUrbx8IJNx6keItQ5/8j1JF/wAE1P2LYTuT4O8joTrt+SPzno9quzC3mfkstlGWCO+WIwDjp6f/AK6DZKDll5CnJyOnp+lfran/AATd/YxRiw+DiHPXOtXp/nNT0/4JyfsaRkMnwZhyp4/4m15/8do9quzDl8z8k2tWI5j35Hc0w2TYLR/MCeFbGa/XNf8Agnf+xyjb1+C1pnBznULk5z9ZKmg/4J9/se242xfBLT8Zzzczn+clHtfILLufkP8AZlChmUofRhkH/OKU2/GIkwDgetfsDa/sK/sk2cnmR/AzRWP/AE0hZ/8A0ImtS0/ZC/Zash+6/Z88INx/y18P27/+hKaXtH2HaPc/Gr7LkqDHkDvnkc9+xpzWhDKAGIPAPp7ZFftNa/s4/s+2P/Hl8DvCUX/XLw7bL/JK0bb4Q/CqyAFp8NdBix0EekwjH5LR7SXb+vuC0e/9fefiUtufL5hIJ557VJaabc3jCC1tJJ88FVjLED8AfWv3BtfBnhCywbPwvp8WOnl2aL/IVeSzs412xWsagdAqAUe0l2/ELR7n4kaZ8JfibrKquk/DPXr5c8fZNFnkP/jqmuk0X9lH9pLXJRbad8A/FZLkbXn0KaJB/wACkVQPzr9lRFEv3YVH0UU8ADoKXtJ+Qe4fk3oH/BNj9sPXrlAfhUbGNsfv7/VbZAvpkCQt/wCO16b4I/4I6fGLUZFl8cfEjQ9IjyDiwilvH/EMIx+pr9F6KTlUfX7v+DcacV0/r8D5z+An/BM/4A/BXVYPFOopd+JdYt3DwXerlfKhcYIaOJQFBBGQW3EHoa+ikjSJAkaAKBhQOgFOoqFBJ36hKcpKz2CiiiqJCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFH59KKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAoxzmiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigA60UUUAFFFFABR25oooAKKKKACiiigAoo5xRQAUUUUAFFFFABR9aKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKADrRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRzR1ooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACgc0UUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRR3oAKKKKACiiigAooooAKKKKACiiigAooo4NABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAHA/GiiigAooooAKKKKACiiigAo6UUUAFFFFABRRRQAUUDp1zRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAHSiiigAooooAKKKKACiiigAooooAKKOtFABRRRQAUUUUAFFFFABRRRQAUUUUAFFGMUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFB45oooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAoyKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKOlFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRwaKKACiiigAooooAKKKKACiiigAooooAKPbNFFABRRRQAUUUUAFH40UUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRR19qACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAD6UUUUAFFFFABRRRQAUUUUAHWiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKO3X8aACiiigAooooAKKKKACiiigAooooAKKKKACijtRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFHWiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACijrRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRwRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUe1ABRnp70UUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUc0UAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFH1/CgAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAoooGcc0AFFFFABRRRQAUUUUABz2ooooAKKKKACiiigAooooAKKKKACiijgUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFB6dvxoAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooo59qACiiigAooooAKKKD0oAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigA7UUUUAFFFFABRRRQAUUUfWgAooooAKKKKADvRRRQAUUUUAFFFHSgAooooAKKKKACijIooAKKKKACiiigAooooAPaiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACjjrRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRQOn40UAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAH0ooooAKDzRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUduKKACiiigAooooAKKKKACiiigAooooAKO/SiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAoo4AooAKKKKACiiigAooooAKKKD/nmgAooooAKKKKACiijIHU0AFFFFABRRRQAUUUUAFFFFABRRRQAUcZoooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigA/HpRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFHBoooAKKKKACjjrRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFBoooAKKKKACiiigAooooAKKKKACiiigAooo60AFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFH1oooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKPwoooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAPpRRRQAUUUdKACiiigAooooAKKD/nmigAooooAKKKKACij8fzooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKADp60UUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRR3oAKKKKACiiigAooooAKKKKACiiigAooo46UAFFFFABRRRQAUUUUAFFFFABRRRQAc0UUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAenSiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKMcYNABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFHtRQAUUUUAFFHSigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKMg9DRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUcdKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKOKKACiiigAooooAKKKKAAjPYfjRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABR9aKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAo60UUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUd6ACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACijrRQAUdaKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAD60UUUAFFFFABRRRQAUUUUAFFFFABR0oooAKKKKACiiigAoo7UUAFFFFABRRRQAUUUUAFFFFABRRRQAUdqKKACiiigAooooAKKKKACiiigAoo6UUAFFH40UAFFFFABRRRxQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFHWgAooooAKKKKACiiigAoo5ooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAo4/OiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACjiiigAooooAKKKKACiijrQAUUUUAFFFFABRRRQAUUUUAFFFFABRRR7UAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRwRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRgUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRx1ooAKKKKACiiigAooooAKKOBRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFGeM0AFFFFABRRRQAdKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACj6UUUAFFFFABRRRQAUUUUAFGB6UUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRzQAUUUUAFFFFABRRRQAUUUUAFFFFABRR9PxooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACjpRRQAUUUUAFFFFABRRRxQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRR0oAKKKKACiiigAooooAKKKKACiiigAooooAOfSiiigAooooAKKKKACig470UAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUcCiigA60UUUAFFFFABRRRQAUCiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKM0UAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFHAFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAHGaKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooADxRR1ooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACj3oooAKKKKACiiigAooooAKKKKACiiigAoxRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABQOlFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRR7UUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFHNABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUdRRRxQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAAfSiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKPr+FFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAcf40UUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFHf8KKKACiiigAooooAKKKKACiiigAooooAO2aKKKADrRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAB6daKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKADrRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAB/nFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABxRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAcGiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKD1H1oAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACijoKKACiiigAooooAKKKKAD0xjFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABR+NFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRxRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABQOlFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAHWiiigAooooAKKKKACiiigAooooAKKKKACkFLRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUc0UUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUcY/xoAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooACcUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFHHWigAooNFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRR3oAKKKKACiiigAooo6+9ABRRRQAUUUUAFFFFABRRmigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACg5xwaKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAOlFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRR1ooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKOlFFABRRRQAUUUUAFFFFABRRRQAUUUUAFHaiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKOfSgAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACijFFABRRRQAUUUUAHAooooAKKKKACjrRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABQaKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooo4oAKKKKACiiigAooooAKKKKACiiigAooooAKKD0ooAKKKKACiiigAoo9OtFABRRRQAUUUUAFFFFABRRRQAdR9aKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKM8ZFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAHbiiiigAooo6UAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUe2aKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKOaACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAo60UUAFFFFABRRRQAUCiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKP50AFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRzRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQB//2Q==)

Figura 7: cámara Intel-RealSense-D435i (<https://simplecore.intel.com/newsroom/wp-content/uploads/sites/11/2018/11/Intel-RealSense-D435i-1.jpg>).

Estas cámaras son denominadas RGB-D, ya que miden la profundidad mediante los sensores infrarrojos. Se pueden utilizar cada uno de los sensores por separado o también traen incorporada la opción de utilizar todos los sensores en conjunto. Utilizando todos los sensores en conjunto se puede obtener la imagen de la cámara con su respectiva profundidad. Esto no es practico para sacar una imagen de un solo fotograma, la imagen que genera suele ser una imagen con manchas negras por la detección de la profundidad, ver Figura 8.

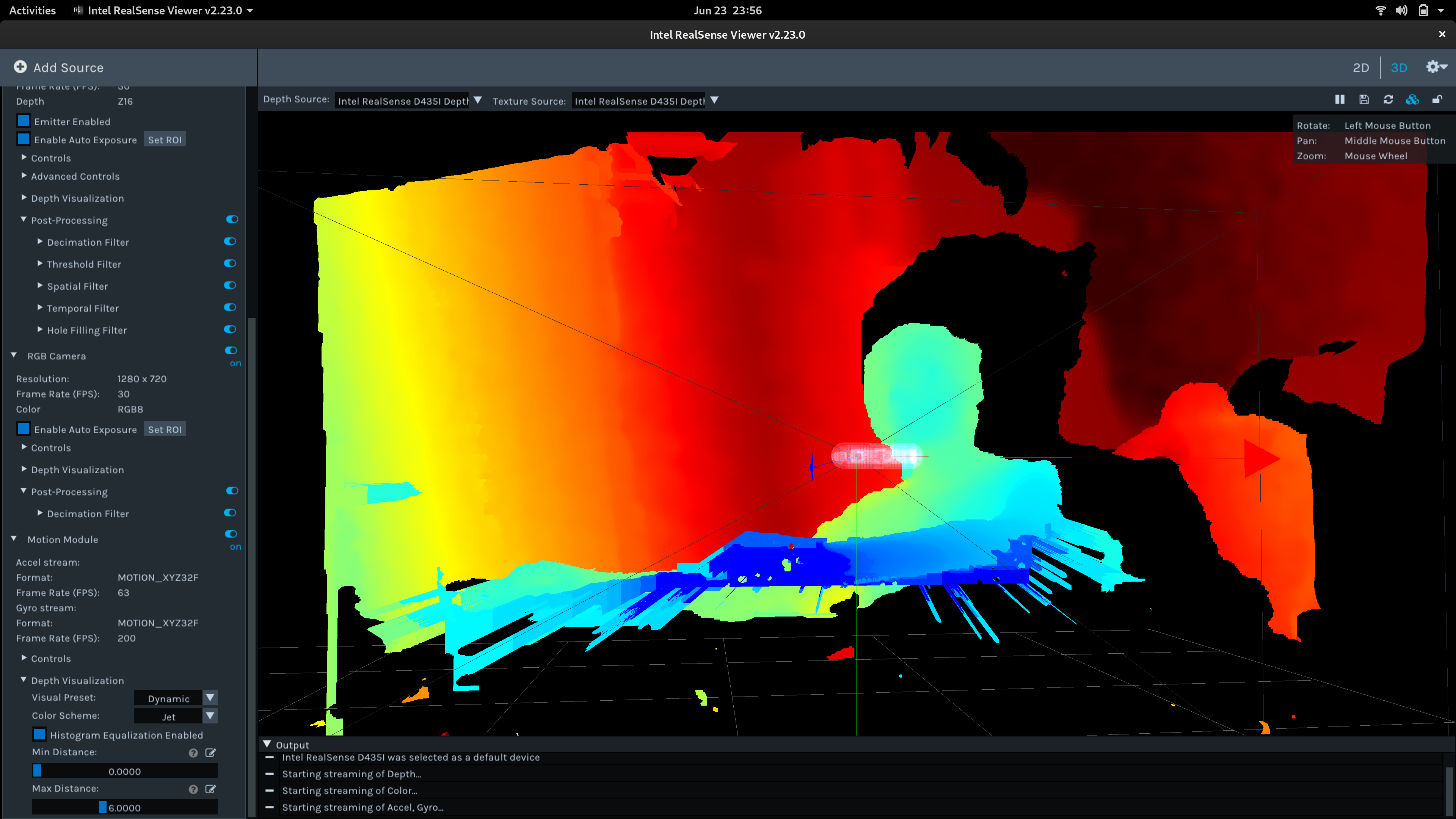


Figura 8: Imagen de profundidad de la cámara estereoscópica (<https://github.com/IntelRealSense/librealsense/issues/4271>).

También lleva incorporado el sensor IMU lo que facilita el proceso de creación de mapas o entornos en tres dimensiones (Zhang et al., 2021). Existen diferentes algoritmos para la creación de mapas, Figura 9, que ayudan en la creación y entrenamiento de los robots para que se localicen e identifique su posición.

Interfaz de usuario gráfica, Sitio web

Descripción generada automáticamente

Figura 9: Creación de SLAM mediante cámaras estereoscópicas (Zhang et al., 2021).

### 2.1.4. LiDAR

Aparte de las cámaras, hay sistemas para la detección de entornos. Uno de ellos se denomina detección de luz y rango (LiDAR, siglas en ingles), que se puede ver hoy en día en los robots aspiradores. Estos sistemas de captación crean un mapa tipo rejilla en dos dimensiones siendo capaces de identificar la localización del robot (Chang et al., 2020).

Todos los elementos mencionados previamente se utilizan para un objetivo similar, aunque en realidad sean diferentes. Por ello se han realizado varios estudios identificando puntos de mejora donde se puede ver que si se juntan estos sistemas de captación, los sistemas funcionan de una manera más eficaz (Shin et al., 2020) (Mu et al., 2020).

## 2.3. Detección y segmentación

Los sistemas descritos en la sección anterior, las de captación, pueden ayudar a crear mapas y con ello identificar por donde circula el robot. Pero en realidad, lo interesante es que el robot identifique el lugar donde se encuentra y además detecte los objetos que tiene alrededor para que no se choque y tenga una perspectiva más clara para circular por el camino que le corresponda.

La detección y la segmentación de objetos son esas áreas que tratan que los robots autónomos identifiquen (Cao et al., 2019) y etiqueten (Mu et al., 2020) respectivamente los objetos de su entorno. Para ello es indispensable saber cómo se puede realizar un detector de objetos. Hoy en día, parece muy simple este concepto de detectar los objetos ya que lo podemos ver en distintas aplicaciones de nuestros móviles o en otros lugares, pero es interesante saber cómo funciona para poder crear o modificar modelos de redes neuronales convolucionales (CNN) que realizan este proceso. La segmentación de objetos se hace de una manera similar, pero en vez de detectar esos elementos e identificar su posición en la respectiva imagen, colorea la imagen de tal manera que se pueden diferenciar los objetos de forma semántica y de esta manera se crea un mapa de la misma imagen.

### 2.3.1. Detección de objetos

Como se menciona anteriormente, la detección de objetos es uno de los sistemas para que el robot identifique los elementos que le rodean. Es necesario realizar la ejecución estos algoritmos en los sistemas locales, ya que no se prescinde de tiempo para ejecución de estos algoritmos (Xu & Wu, 2020).

Antes de nada, para crear estos modelos de detección de objetos es necesario saber como funcionan las CNN. Pero antes de estas redes tan complejas se empezó a hacer la detección de diferentes elementos mediante Haar Cascade Classifiers, que consta de filtros morfológicos con diferentes kernel para la detección de los elementos como puedes ser las caras humanas.

Imagen que contiene Interfaz de usuario gráfica

Descripción generada automáticamente

Figura 10: Ejemplo de detector de cara con Haar Cascade ([https://miro.medium.com/max/2330/1\*ELoJu38cHKMb8e3\_IVz\_eA.png](https://miro.medium.com/max/2330/1*ELoJu38cHKMb8e3_IVz_eA.png)).

Estos sistemas pueden funcionar bien para ciertos elementos, pero hoy en día, hay diferentes modos de utilización de CNN que son más fiables. El proceso de detección de objetos se diferencia en tres fases que son la clasificación de imágenes (Chan et al., 2014), clasificación con localización del objeto y detección de diferentes objetos en una sola imagen (Ren et al., 2017).

Los clasificadores han evolucionado para mejorar la eficiencia y muestra de ello es la Figura 11, que ya en el año 2017 había mejorado mucho el tiempo de ejecución de detección de objetos. Hoy en día, ya se hace casi a tiempo real, muestra de ello es Yolov4 (Bochkovskiy et al., 2020) que realiza un buen desempeño teniendo en cuenta la velocidad o el tiempo de respuesta que tiene el algoritmo.

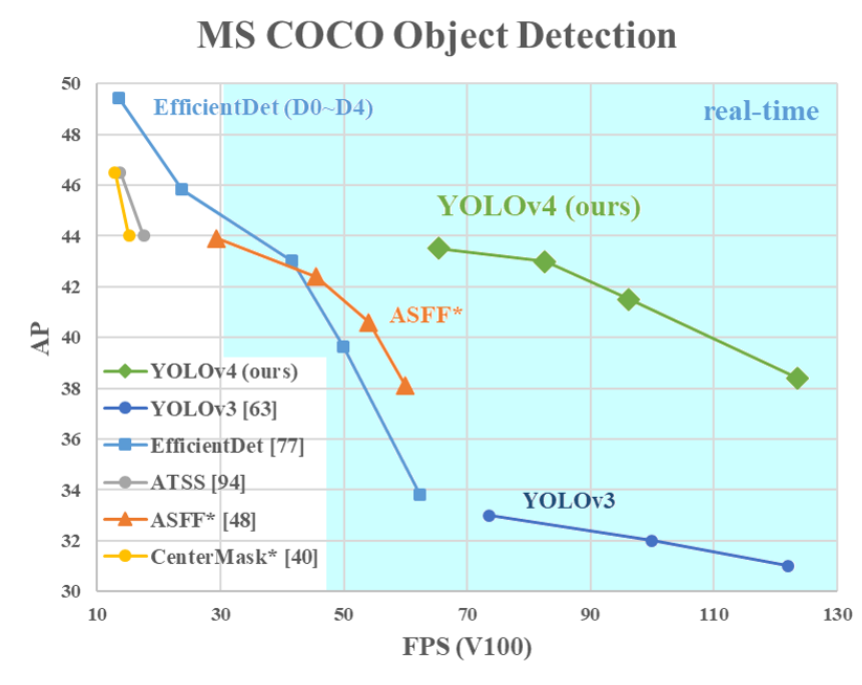


Figura 11: Comparando los algoritmos de detección de objetos en base al tiempo de respuesta(Bochkovskiy et al., 2020).

Uno de los principales motivos de las mejoras de estos sistemas son las competiciones de Imagenet, donde las empresas mas punteras en el sector de la inteligencia artificial (IA) toman parte. Podemos ver en la Figura 12 como han evolucionado durante años los resultados de estas redes neuronales.

Gráfico

Descripción generada automáticamente

Figura 12: Evolución de Imagenet (<http://cs231n.stanford.edu/slides/2017/cs231n_2017_lecture11.pdf>).

La detección de objetos en una imagen se puede realizar tanto en dos dimensiones como e tres, utilizando para ello los elementos descritos en el apartado de SLAM mediante visión por computador. La detección volumétrica de los elementos es realmente interesante para los robots autónomos, de esta manera pueden realizar las mediciones necesarias.

### 2.3.2. Segmentación

En adición a todo lo anterior, la segmentación es uno de los métodos más utilizados últimamente en los sistemas de navegación. Se puede decir que es una extensión a la detección de objetos, para que los sistemas computacionales entiendan mejor todo lo que están visualizando (Wolf et al., 2014).

Interfaz de usuario gráfica, Sitio web

Descripción generada automáticamente

Figura 13: Imagen exterior segmentada (<https://www.researchgate.net/figure/Illustration-of-challenges-in-semantic-segmentation-a-Input-Image-b-Ground-Truth_fig1_332186435>).

La segmentación puede ser realizada por diferentes tipos de algoritmos con los distintos sistemas vistos anteriormente. Se pueden ver sistemas monoculares (Y. Wang et al., 2020), sistemas que utilizan profundidad (Seichter et al., 2020), mapas creadas en base a la segmentación (Deng et al., 2020), para la navegación interior (Teso-Fz-Betoño et al., 2020) o para navegación exterior añadiendo detección de objetos (Feng et al., 2021).

Diagrama

Descripción generada automáticamente

Figura 14: Mapa semántico para navegación (Deng et al., 2020).

Uno de los grandes problemas para los robots es el tiempo de ejecución de estos modelos (Li et al., 2020). Otra cosa tener en cuenta es que las personas no son elementos fijos en estos entornos, por lo que es necesario borrarlos para realizar mapas segmentadas (Ai et al., 2020). También es posible realizar el mapa segmentado mediante un sistema monocular que capta el entorno y lo segmenta (Miyamoto et al., 2020).

Imagen que contiene interior, foto, tabla, pequeño

Descripción generada automáticamente

Figura 15: Detección de objetos y segmentación de una imagen (<https://blogs.unity3d.com/2021/04/19/supercharge-your-computer-vision-models-with-synthetic-datasets-built-by-unity/>).

Estos algoritmos de segmentación pueden ser entrenados de diferentes maneras, supervisado y no supervisado. La diferencia entre ellos es que el no supervisado (Jin et al., 2020), como bien dice el nombre, no se entrena o no realiza el entrenamiento con los resultados, en cambio el supervisado se entrena con el resultado para que puede obtener el mejor resultado posible.

### 2.3.2. Posición y trayectoria del ser humano

En todos los casos vistos anteriormente, es indispensable saber el estado del ser humano, donde se encuentra y cual es su pose (Cui et al., 2020). Esto nos ayuda en evitar las colisiones o mantener distancias de seguridad por si el ser humano se mueve.

Imagen que contiene juguete, lego, tabla

Descripción generada automáticamente

Figura 16: Estimación de posicionamiento de humanos en entorno segmentado (Seichter et al., 2020).

Para la eficiencia de un robot autónomo es de gran ayuda saber por donde andarán los humanos (Tamaki et al., 2019) o también predecir por donde pueden ir para evitar esa trayectoria y elegir la más rápida posible (Liu et al., 2015), ayudando con la gesticulación y mirada del mismo (Moors et al., 2015).

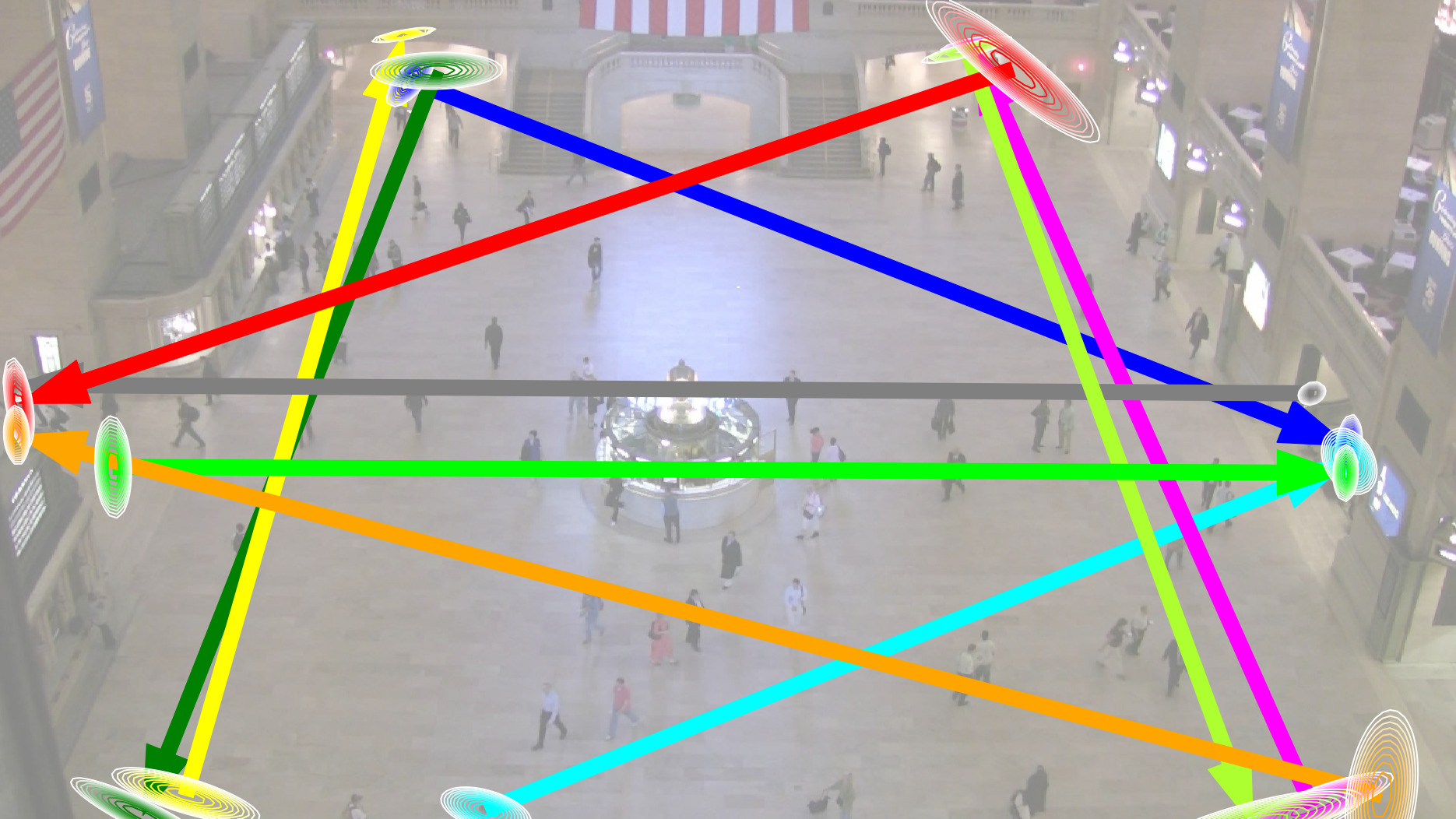


Figura 17: Segmentación de trayectorias después de procesado (Tamaki et al., 2019).

Para poder realizar todo lo mencionado con un buen funcionamiento se necesitan entender bien los entornos y entrenar los algoritmos de una manera eficaz a como se hace para cada lugar donde se encontrará el robot autónomo. Para ello es necesario tener datasets de distintos lugares como supermercados (Lewandowski et al., 2020), hospitales (H. M. Gross et al., 2017) o domésticos (H.-M. Gross et al., 2019).

# 3. Objetivos y metodología de trabajo

Tras el análisis de los sistemas de captación y procesamiento para mejora y seguridad de los robots autónomos, es necesario definir qué es lo que se quiere hacer, como se pretende hacer y de que manera se va ha hacer para que se pueda realizar una valoración del proceso.

## 3.1. Objetivo general

El objetivo general es realizar la segmentación del entorno interior para que el robot tenga una visión más precisa al navegar y predecir las trayectorias de los humanos para proteger la integridad de ellos y aumentar la eficiencia a la hora de navegar utilizando para ello las técnicas de aprendizaje profundo.

## 3.2. Objetivos específicos

En este trabajo se van a realizar las siguientes tareas que ayudaran a describir mejor las especificaciones técnicas.

* Realizar análisis del estado del arte para sistemas de segmentación para navegación autónoma de robots y creación de SLAM
* Detección de personas y su estado de postura para asegurarnos de que no haya colisión entre robot y humano.
* Detectar movimiento en el sistema y predecir su trayectoria para poder esquivar y prevenir el paro del robot.
* Realizar o elegir el algoritmo de segmentación semántica que se ajuste a las necesidades.
* Elegir el algoritmo de navegación que se ajuste a las necesidades del sistema y probar si es la correcta.
* Juntar los objetivos anteriores y valorar si el sistema de predicción de trayectorias es eficiente.
* Implementar el resultado del proceso en la tarjeta de Nvidia Jetson Nano para poder probarlo con Jetbot, el robot creado para ello.
* Realizar la implementación en ROS.

## 3.3. Metodología del trabajo

Para poder llevar a cabo los objetivos descritos se establecerá una cierta estrategia. Esta estrategia o metodología será la denominada Scrum, que consiste en objetivo a corto plazo o esprints que por si se cambian los pequeños objetivos u ocurre algún cambio en el desarrollo. Se puede ver el ejemplo en la Figura 18. Esta metodología se utiliza mucho en los desarrollos software, que normalmente suelen ser complejos y pueden producirse cambios en cualquier momento durante el transcurso del proyecto.

Interfaz de usuario gráfica, Gráfico, Aplicación

Descripción generada automáticamente

Figura 18: Ejemplo de la metodología Scrum (<https://www.eclee.com/wp-content/uploads/2020/01/Scrum_Pic.png>).

Para poder empezar a plantear esta metodología es necesario tener un proyecto y realizar una planificación o objetivos previos. Esta planificación no va ha ser la definitiva, pero ayudara en tener un objetivo fijo y tener idea de que trata el proyecto, es decir, tener una visión clara del proyecto en general. Para poder realizar este planteamiento es necesario realizar el estudio del proyecto, analizar la información que existe y mirar si tienes recursos necesarios para poder llevar a cabo el proyecto.

Teniendo la información analizada y los recursos a disposición, se realizará el planteamiento general, que a su vez contendrá los pequeños esprints o objetivos que se marcaran para el cumplimiento del proyecto. Hay que tener claro de que cada esprint no está estrictamente definido, por lo que se realizara este proceso de Scrum cada vez que trabajemos en el proyecto, ya sea para repasar lo hecho hasta ese punto o realizar algún cambio que se ha detectado.

Cada esprint consistirá en distintas tareas que habrá que llevarlas a cabo en un tiempo determinado, siendo este tiempo flexible. Una vez realizada la tarea, es conveniente que sea subida a una plataforma de desarrollo colaborativo para que los integrantes puedan analizar lo que se ha hecho. En este caso al ser un solo integrante no es necesario subir, pero es interesante para llevar un control de versiones.

Puede ser que cada esprint tenga sus apartados o subtareas a realizar. Por ello en cada sprint o subtarea, según donde se encuentre se analizará lo que se ha realizado, como se ha realizado y si existen otras maneras de abordar el problema para poder buscar mejoras para del proyecto.

En este caso los objetivos serán los esprints generales que se han definido y estos tendrán una fecha específica para cumplir el plazo de entrega. Como se comenta anteriormente se evaluará y valorará el trabajo realizado y respecto a esa evaluación se realizarán las modificaciones necesarias para que el proyecto avance.

Para una mejor gestión de este sistema se realizará el concepto de Kanban para que en todo momento se sepa el estado del proyecto. En Kanban se encontrarán los esprints que contendrán las subtareas y en todo momento se podrá saber el estado de cada sprint.

Podemos ver la Tabla 1 donde se definen los esprints del proyecto.

Tabla 1: Planificación de esprints para el proyecto

|  |  |  |
| --- | --- | --- |
| ESPRINT | OBJETIVO | FECHA ESTIMADA |
| 1 | Análisis o estado del arte | 6/05/2021 |
| 2 | Realizar o elegir algoritmo de segmentación | 11/05/2021 |
| 3 | Realizar la detección de personas y sus trayectorias | 16/05/2021 |
| 4 | Elegir el algoritmo de navegación | 18/05/2021 |
| 5 | Juntar los algoritmos para implementarlos en Jetbot | 20/05/2021 |
| 6 | Implementación de los algoritmos en el Sistema ROS | 25/05/2021 |
| 7 | Pruebas para comprobar y calificar el funcionamiento | 30/05/2021 |

# 4. Identificación de requisitos

En este capítulo se debe indicar el trabajo previo realizado para guiar el desarrollo del software. Esto debería incluir la identificación adecuada del problema a tratar, así como del contexto habitual de uso o funcionamiento de la aplicación. Idealmente, la identificación de requisitos se debería hacer contando con expertos en la materia a tratar.

# 5. Descripción de la herramienta software desarrollada

En el caso de **desarrollos de software**, deberían aportarse detalles del proceso de desarrollo, incluyendo las fases e hitos del proceso. También deben presentarse diagramas explicativos de la arquitectura o funcionamiento, así como capturas de pantalla que permitan al lector entender el funcionamiento del programa.

# 6. Evaluación

La evaluación debería cubrir por lo menos una mínima evaluación de la usabilidad de la herramienta, así como de su aplicabilidad para resolver el problema propuesto. Estas evaluaciones suelen realizarse con usuarios expertos.

# 7. Conclusiones y trabajo futuro

## 7.1. Conclusiones

Este último capítulo (en ocasiones, dos capítulos complementarios) es habitual en todos los tipos de trabajos y presenta el resumen final de tu trabajo y debe servir para informar del alcance y relevancia de tu aportación.

Suele estructurarse empezando con un resumen del problema tratado, de cómo se ha abordado y de por qué la solución sería válida.

Es recomendable que incluya también un resumen de las contribuciones del trabajo, en el que relaciones las contribuciones y los resultados obtenidos con los objetivos que habías planteado para el trabajo, discutiendo hasta qué punto has conseguido resolver los objetivos planteados.

## 7.2. Líneas de trabajo futuro

Finalmente, se suele dedicar una última sección a hablar de líneas de trabajo futuro que podrían aportar valor añadido al TFM realizado. La sección debería señalar las perspectivas de futuro que abre el trabajo desarrollado para el campo de estudio definido. En el fondo, debes justificar de qué modo puede emplearse la aportación que has desarrollado y en qué campos.

# 8. Bibliografía

Ai, Y., Rui, T., Lu, M., Fu, L., Liu, S., & Wang, S. (2020). DDL-SLAM: A robust RGB-d SLAM in dynamic environments combined with deep learning. *IEEE Access*, *8*, 162335–162342. https://doi.org/10.1109/ACCESS.2020.2991441

Bochkovskiy, A., Wang, C.-Y., & Liao, H.-Y. M. (2020). YOLOv4: Optimal Speed and Accuracy of Object Detection. *ArXiv*. http://arxiv.org/abs/2004.10934

Cao, C., Wang, B., Zhang, W., Zeng, X., Yan, X., Feng, Z., Liu, Y., & Wu, Z. (2019). An Improved Faster R-CNN for Small Object Detection. *IEEE Access*, *7*, 106838–106846. https://doi.org/10.1109/ACCESS.2019.2932731

Chan, T.-H., Jia, K., Gao, S., Lu, J., Zeng, Z., & Ma, Y. (2014). PCANet: A Simple Deep Learning Baseline for Image Classification? *IEEE Transactions on Image Processing*, *24*(12), 5017–5032. https://doi.org/10.1109/TIP.2015.2475625

Chang, L., Niu, X., & Liu, T. (2020). Gnss/imu/odo/lidar-slam integrated navigation system using imu/odo pre-integration. *Sensors (Switzerland)*, *20*(17), 1–18. https://doi.org/10.3390/s20174702

Cui, X., Lu, C., & Wang, J. (2020). 3D Semantic Map Construction Using Improved ORB-SLAM2 for Mobile Robot in Edge Computing Environment. *IEEE Access*, *8*, 67179–67191. https://doi.org/10.1109/ACCESS.2020.2983488

Deng, W., Huang, K., Chen, X., Zhou, Z., Shi, C., Guo, R., & Zhang, H. (2020). Semantic RGB-D SLAM for Rescue Robot Navigation. *IEEE Access*, *8*, 221320–221329. https://doi.org/10.1109/ACCESS.2020.3031867

Feng, D., Haase-Schutz, C., Rosenbaum, L., Hertlein, H., Glaser, C., Timm, F., Wiesbeck, W., & Dietmayer, K. (2021). Deep Multi-Modal Object Detection and Semantic Segmentation for Autonomous Driving: Datasets, Methods, and Challenges. *IEEE Transactions on Intelligent Transportation Systems*, *22*(3), 1341–1360. https://doi.org/10.1109/TITS.2020.2972974

Gross, H.-M., Scheidig, A., Muller, S., Schutz, B., Fricke, C., & Meyer, S. (2019). Living with a Mobile Companion Robot in your Own Apartment - Final Implementation and Results of a 20-Weeks Field Study with 20 Seniors\*. *2019 International Conference on Robotics and Automation (ICRA)*, *2019*-*May*, 2253–2259. https://doi.org/10.1109/ICRA.2019.8793693

Gross, H. M., Meyer, S., Scheidig, A., Eisenbach, M., Mueller, S., Trinh, T. Q., Wengefeld, T., Bley, A., Martin, C., & Fricke, C. (2017). Mobile robot companion for walking training of stroke patients in clinical post-stroke rehabilitation. *Proceedings - IEEE International Conference on Robotics and Automation*, 1028–1035. https://doi.org/10.1109/ICRA.2017.7989124

Jin, S., Chen, L., Sun, R., & McLoone, S. (2020). A novel vSLAM framework with unsupervised semantic segmentation based on adversarial transfer learning. *Applied Soft Computing Journal*, *90*, 106153. https://doi.org/10.1016/j.asoc.2020.106153

Krombach, N., Droeschel, D., Houben, S., & Behnke, S. (2018). Feature-based visual odometry prior for real-time semi-dense stereo SLAM. *Robotics and Autonomous Systems*, *109*, 38–58. https://doi.org/10.1016/j.robot.2018.08.002

Lewandowski, B., Wengefeld, T., Muller, S., Jenny, M., Glende, S., Schroter, C., Bley, A., & Gross, H.-M. (2020). Socially Compliant Human-Robot Interaction for Autonomous Scanning Tasks in Supermarket Environments. *2020 29th IEEE International Conference on Robot and Human Interactive Communication (RO-MAN)*, 363–370. https://doi.org/10.1109/RO-MAN47096.2020.9223568

Li, F., Li, W., Chen, W., Xu, W., Huang, L., Li, D., Cai, S., Yang, M., Xiong, X., & Liu, Y. (2020). A Mobile Robot Visual SLAM System with Enhanced Semantics Segmentation. *IEEE Access*, *8*, 25442–25458. https://doi.org/10.1109/ACCESS.2020.2970238

Liu, W., Chan, A. B., Lau, R. W. H., & Manochaieee, D. (2015). Leveraging long-term predictions and online learning in agent-based multiple person tracking. In *IEEE Transactions on Circuits and Systems for Video Technology* (Vol. 25, Issue 3). https://doi.org/10.1109/TCSVT.2014.2344511

Miyamoto, R., Adachi, M., Ishida, H., Watanabe, T., Matsutani, K., Komatsuzaki, H., Sakata, S., Yokota, R., & Kobayashi, S. (2020). Visual navigation based on semantic segmentation using only a monocular camera as an external sensor. In *Journal of Robotics and Mechatronics* (Vol. 32, Issue 6). https://doi.org/10.20965/jrm.2020.p1137

Moors, P., Germeys, F., Pomianowska, I., & Verfaillie, K. (2015). Perceiving where another person is looking: The integration of head and body information in estimating another person’s gaze. *Frontiers in Psychology*, *6*(JUN). https://doi.org/10.3389/fpsyg.2015.00909

Mu, L., Yao, P., Zheng, Y., Chen, K., Wang, F., & Qi, N. (2020). Research on SLAM algorithm of mobile robot based on the fusion of 2D LiDAR and depth camera. *IEEE Access*, *8*, 157628–157642. https://doi.org/10.1109/ACCESS.2020.3019659

Mur-Artal, R., Montiel, J. M. M., & Tardos, J. D. (2015). ORB-SLAM: a Versatile and Accurate Monocular SLAM System. *IEEE Transactions on Robotics*, *31*(5), 1147–1163. https://doi.org/10.1109/TRO.2015.2463671

Ren, S., He, K., Girshick, R., & Sun, J. (2017). Faster R-CNN: Towards Real-Time Object Detection with Region Proposal Networks. In *IEEE Transactions on Pattern Analysis and Machine Intelligence* (Vol. 39, Issue 6). https://doi.org/10.1109/TPAMI.2016.2577031

Seichter, D., Köhler, M., Lewandowski, B., Wengefeld, T., & Gross, H.-M. (2020). Efficient RGB-D Semantic Segmentation for Indoor Scene Analysis. *ArXiv*. http://arxiv.org/abs/2011.06961

Shin, Y.-S., Yeong, ·, Park, S., & Kim, A. (2020). DVL-SLAM: sparse depth enhanced direct visual-LiDAR SLAM. *Autonomous Robots*, *44*, 115–130. https://doi.org/10.1007/s10514-019-09881-0

Tamaki, T., Ogawa, D., Raytchev, B., & Kaneda, K. (2019). Semantic segmentation of trajectories with improved agent models for pedestrian behavior analysis. *Advanced Robotics*, *33*(3–4), 153–168. https://doi.org/10.1080/01691864.2018.1554508

Teso-Fz-Betoño, D., Zulueta, E., Sánchez-Chica, A., Fernandez-Gamiz, U., & Saenz-Aguirre, A. (2020). Semantic segmentation to develop an indoor navigation system for an autonomous mobile robot. *Mathematics*, *8*(5). https://doi.org/10.3390/MATH8050855

Wang, R., Zhang, W., Shi, Y., Wang, X., & Cao, W. (2019). GA-ORB: A New Efficient Feature Extraction Algorithm for Multispectral Images Based on Geometric Algebra. *IEEE Access*, *7*, 71235–71244. https://doi.org/10.1109/ACCESS.2019.2918813

Wang, Y., Chen, Q., Chen, S., & Wu, J. (2020). Multi-Scale Convolutional Features Network for Semantic Segmentation in Indoor Scenes. *IEEE Access*, *8*, 89575–89583. https://doi.org/10.1109/ACCESS.2020.2993570

Wolf, D., Bajones, M., Prankl, J., & Vincze, M. (2014). *Find my mug: Efficient object search with a mobile robot using semantic segmentation*. http://arxiv.org/abs/1404.5765

Xu, D., & Wu, Y. (2020). Improved YOLO-V3 with densenet for multi-scale remote sensing target detection. *Sensors (Switzerland)*, *20*(15), 1–24. https://doi.org/10.3390/s20154276

Zaarane, A., Slimani, I., Al Okaishi, W., Atouf, I., & Hamdoun, A. (2020). Distance measurement system for autonomous vehicles using stereo camera. *Array*, *5*, 100016. https://doi.org/10.1016/j.array.2020.100016

Zhang, S., Zheng, L., & Tao, W. (2021). Survey and Evaluation of RGB-D SLAM. *IEEE Access*, *9*, 21367–21387. https://doi.org/10.1109/ACCESS.2021.3053188

# Anexos

Cuestionarios, encuestas, resultados de pilotos, documentos adicionales, capturas de pantalla, etc.

Además, al final de la memoria y como un anexo obligatorio deberá incluirse un artículo de investigación que resuma el trabajo realizado y los principales resultados obtenidos.

## Anexo I. Título del anexo I

Anexo I.

## Anexo II. Título del anexo II

Anexo II.

## Anexo. Artículo de investigación

Al final de la memoria y como un anexo obligatorio deberá incluirse un artículo de investigación que resuma el trabajo realizado y los principales resultados obtenidos. Este artículo deberá seguir la plantilla proporcionada a continuación y tendrá una extensión de entre 6 y 8 páginas. El artículo se podrá desarrollar en español o en inglés (para ello utilizar la plantilla adecuada).

Título

Nombre y Apellidos del Estudiante

Universidad Internacional de la Rioja, Logroño (España)

Fecha

Palabras Clave

Tres a cinco palabras clave ordenadas alfabéticamente y separadas por comas.

Resumen

Breve resumen del trabajo realizado (extensión máxima: 150 palabras). Este resumen debe incluir el objetivo o propósito de la investigación, la metodología, los resultados y las conclusiones.

I. Introducción

I

intoducción en la que debes resumir de forma esquemática pero suficientemente clara lo esencial de cada una de las partes del trabajo.

La lectura de esta introducción ha de dar una primera idea clara de lo que se pretendía, las conclusiones a las que se ha llegado y del procedimiento seguido.

II. Estado del Arte

Estudio a fondo el dominio de aplicación, citando numerosas referencias.

Debe aportar un buen resumen del conocimiento que ya existe en el campo de los problemas habituales identificados.

Numerar las citas de forma consecutiva entre corchetes [1].

III. Objetivos y Metodología

Objetivo general, objetivos específicos y metodología de trabajo aplicada.

IV. Contribución

Desarrollar la descripción de tu contribución.

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX.

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX.

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX.

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX.

V. Evaluación y Resultados

Descripción de la evaluación y los resultados obtenidos (Tipo 2. Desarrollo de Software).

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX.

*Evaluación 1*

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX.

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX.

En la Figura 1…

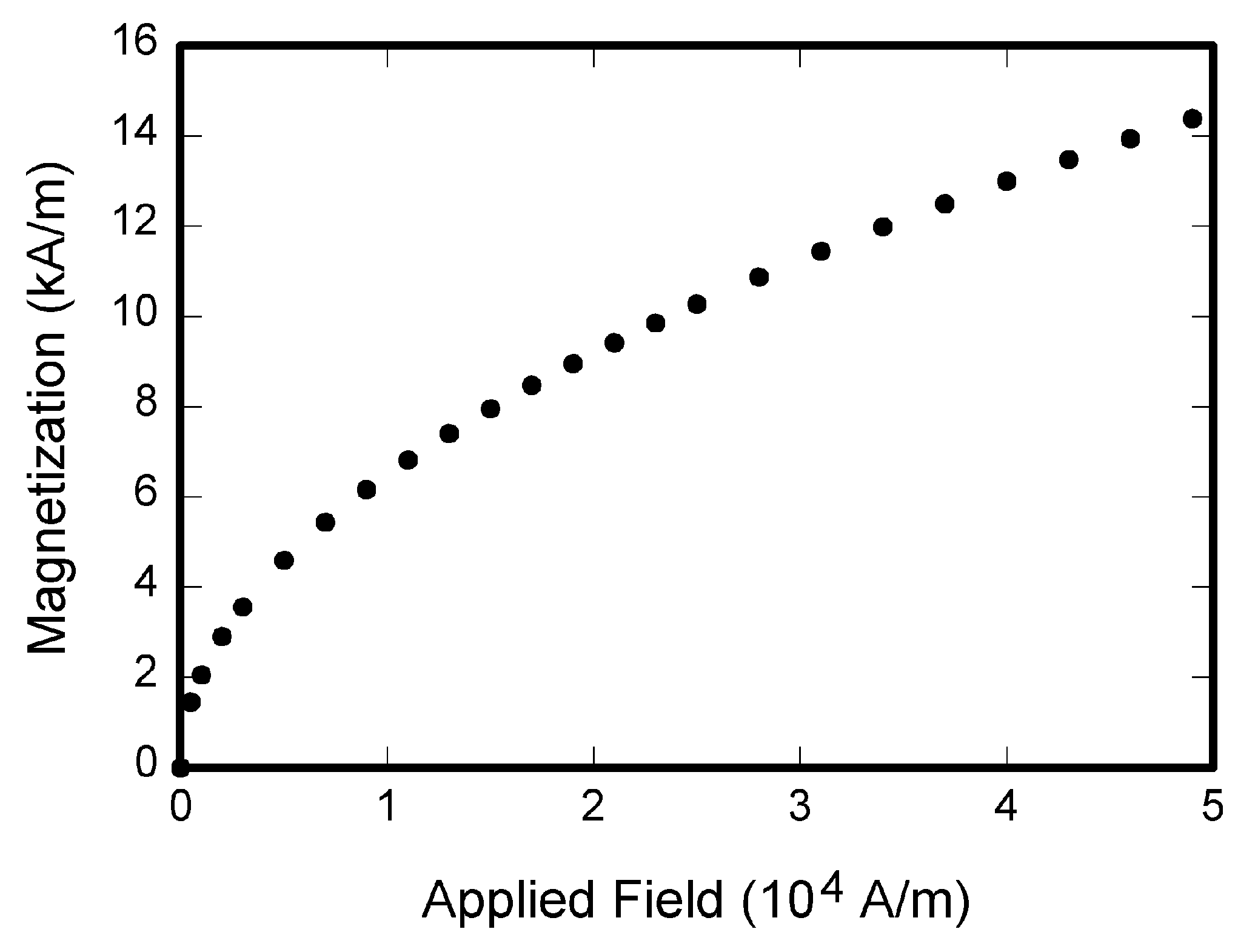


Fig. 1. Magnetization as a function of applied field. Note that “Fig.” is abbreviated. There is a period after the figure number, followed by two spaces. It is good practice to explain the significance of the figure in the caption.

En la Tabla I …

Tabla I

Units for Magnetic Properties

|  |  |  |
| --- | --- | --- |
| Symbol | Quantity | Conversion from Gaussian and CGS EMU to SI a |
| Φ | magnetic flux | 1 Mx → 10−8 Wb = 10−8 V·s |
| B | magnetic flux density,  magnetic induction | 1 G → 10−4 T = 10−4 Wb/m2 |
| H | magnetic field strength | 1 Oe → 103/(4π) A/m |
| m | magnetic moment | 1 erg/G = 1 emu  → 10−3 A·m2 = 10−3 J/T |
| M | magnetization | 1 erg/(G·cm3) = 1 emu/cm3  → 103 A/m |
| 4πM | magnetization | 1 G → 103/(4π) A/m |
| σ | specific magnetization | 1 erg/(G·g) = 1 emu/g → 1 A·m2/kg |
| j | magnetic dipole  moment | 1 erg/G = 1 emu  → 4π × 10−10 Wb·m |
| J | magnetic polarization | 1 erg/(G·cm3) = 1 emu/cm3  → 4π × 10−4 T |
| χ*,* κ | susceptibility | 1 → 4π |
| χρ | mass susceptibility | 1 cm3/g → 4π × 10−3 m3/kg |
| μ | permeability | 1 → 4π × 10−7 H/m  = 4π × 10−7 Wb/(A·m) |
| μr | relative permeability | μ → μr |
| w, W | energy density | 1 erg/cm3 → 10−1 J/m3 |
| N, D | demagnetizing factor | 1 → 1/(4π) |

Vertical lines are optional in tables. Statements that serve as captions for the entire table do not need footnote letters.

aGaussian units are the same as cgs emu for magnetostatics; Mx = maxwell, G = gauss, Oe = oersted; Wb = weber, V = volt, s = second, T = tesla, m = meter, A = ampere, J = joule, kg = kilogram, H = henry.

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX.

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

*Evaluación 2*

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

VI. Discusión

Tras la presentación objetiva de los resultados, querrás aportar una discusión de los mismos.

VII. Conclusiones

Resumen de las contribuciones del trabajo, en el que relaciones las contribuciones y los resultados obtenidos con los objetivos que habías planteado para el trabajo, discutiendo hasta qué punto has conseguido resolver los objetivos planteados.

Finalmente, hablar de líneas de trabajo futuro que podrían aportar valor añadido al TFM realizado. La sección debería señalar las perspectivas de futuro que abre el trabajo desarrollado para el campo de estudio definido. En el fondo, debes justificar de qué modo puede emplearse la aportación que has desarrollado y en qué campos.

Apéndices

Apéndices, en caso de ser necesario.

Referencias

1. G. O. Young, “Synthetic structure of industrial plastics (Book style with paper title and editor),” in *Plastics*, 2nd ed. vol. 3, J. Peters, Ed. New York: McGraw-Hill, 1964, pp. 15–64.
2. W.-K. Chen, *Linear Networks and Systems* (Book style)*.* Belmont, CA: Wadsworth, 1993, pp. 123–135.

Title

Name and Surname of the Student

Universidad Internacional de la Rioja, Logroño (España)

Date

Keywords

Tres a cinco palabras clave ordenadas alfabéticamente y separadas por comas.

Abstract

Breve resumen del trabajo realizado (extensión máxima: 150 palabras). Este resumen debe incluir el objetivo o propósito de la investigación, la metodología, los resultados y las conclusiones.

I. Introduction

I

intoducción en la que debes resumir de forma esquemática pero suficientemente clara lo esencial de cada una de las partes del trabajo.

La lectura de esta introducción ha de dar una primera idea clara de lo que se pretendía, las conclusiones a las que se ha llegado y del procedimiento seguido.

II. State of the Art

Estudio a fondo el dominio de aplicación, citando numerosas referencias.

Debe aportar un buen resumen del conocimiento que ya existe en el campo de los problemas habituales identificados.

Numerar las citas de forma consecutiva entre corchetes [1].

III. Objectives and Methodology

Objetivo general, objetivos específicos y metodología de trabajo aplicada.

IV. Contribuiton

Desarrollar la descripción de tu contribución.

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX.

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX.

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX.

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX.

V. Evaluation and Results

Descripción de la evaluación y los resultados obtenidos (Tipo 2. Desarrollo de Software).

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX.

*Evaluación 1*

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX.

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX.

En la Figura 1…

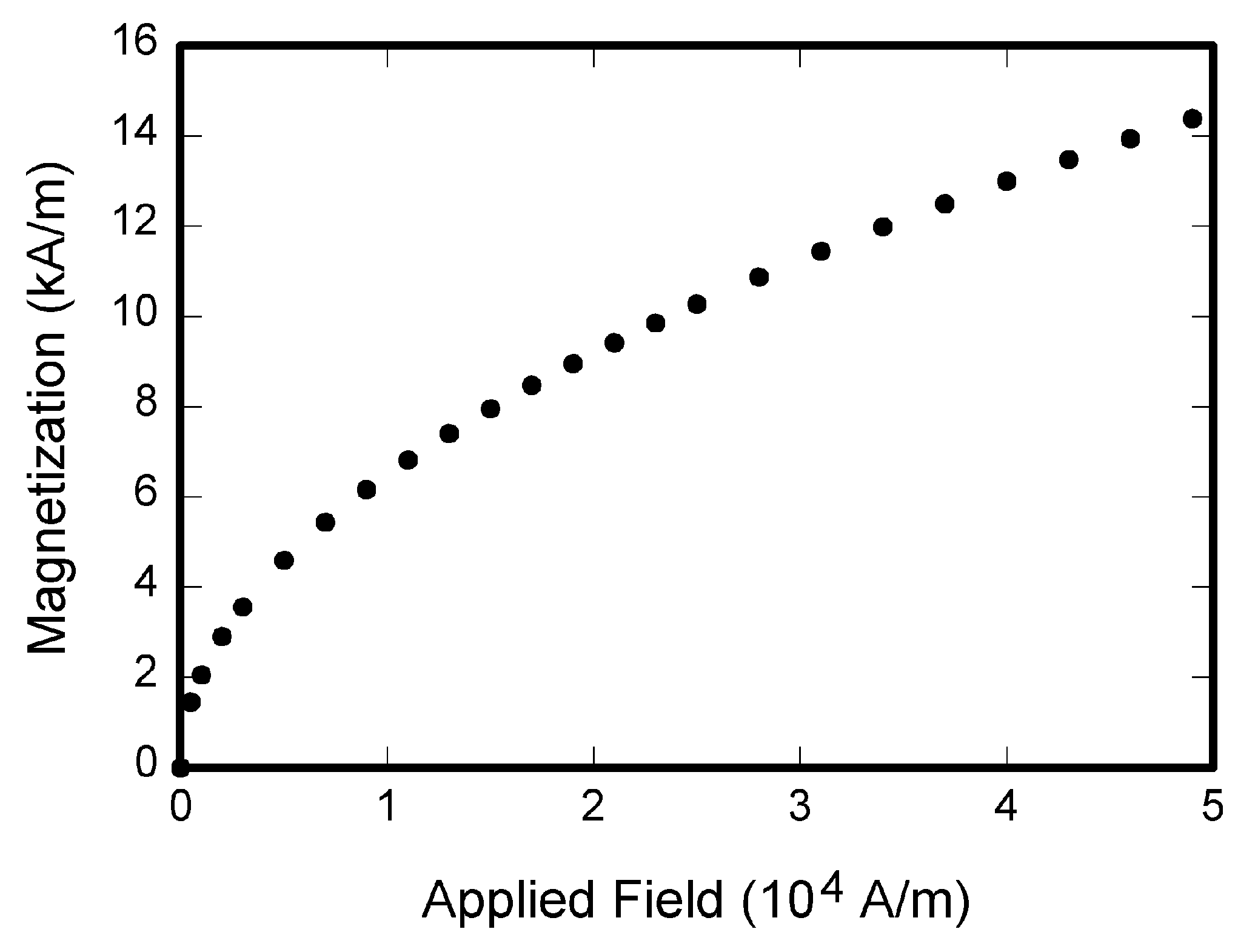


Fig. 1. Magnetization as a function of applied field. Note that “Fig.” is abbreviated. There is a period after the figure number, followed by two spaces. It is good practice to explain the significance of the figure in the caption.

En la Tabla I …

Tabla I

Units for Magnetic Properties

|  |  |  |
| --- | --- | --- |
| Symbol | Quantity | Conversion from Gaussian and CGS EMU to SI a |
| Φ | magnetic flux | 1 Mx → 10−8 Wb = 10−8 V·s |
| B | magnetic flux density,  magnetic induction | 1 G → 10−4 T = 10−4 Wb/m2 |
| H | magnetic field strength | 1 Oe → 103/(4π) A/m |
| m | magnetic moment | 1 erg/G = 1 emu  → 10−3 A·m2 = 10−3 J/T |
| M | magnetization | 1 erg/(G·cm3) = 1 emu/cm3  → 103 A/m |
| 4πM | magnetization | 1 G → 103/(4π) A/m |
| σ | specific magnetization | 1 erg/(G·g) = 1 emu/g → 1 A·m2/kg |
| j | magnetic dipole  moment | 1 erg/G = 1 emu  → 4π × 10−10 Wb·m |
| J | magnetic polarization | 1 erg/(G·cm3) = 1 emu/cm3  → 4π × 10−4 T |
| χ*,* κ | susceptibility | 1 → 4π |
| χρ | mass susceptibility | 1 cm3/g → 4π × 10−3 m3/kg |
| μ | permeability | 1 → 4π × 10−7 H/m  = 4π × 10−7 Wb/(A·m) |
| μr | relative permeability | μ → μr |
| w, W | energy density | 1 erg/cm3 → 10−1 J/m3 |
| N, D | demagnetizing factor | 1 → 1/(4π) |

Vertical lines are optional in tables. Statements that serve as captions for the entire table do not need footnote letters.

aGaussian units are the same as cgs emu for magnetostatics; Mx = maxwell, G = gauss, Oe = oersted; Wb = weber, V = volt, s = second, T = tesla, m = meter, A = ampere, J = joule, kg = kilogram, H = henry.

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX.

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

*Evaluación 2*

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

VI. Discussion

Tras la presentación objetiva de los resultados, querrás aportar una discusión de los mismos.

VII. Conclusion

Resumen de las contribuciones del trabajo, en el que relaciones las contribuciones y los resultados obtenidos con los objetivos que habías planteado para el trabajo, discutiendo hasta qué punto has conseguido resolver los objetivos planteados.

Finalmente, hablar de líneas de trabajo futuro que podrían aportar valor añadido al TFM realizado. La sección debería señalar las perspectivas de futuro que abre el trabajo desarrollado para el campo de estudio definido. En el fondo, debes justificar de qué modo puede emplearse la aportación que has desarrollado y en qué campos.

Appendix

Apéndices, en caso de ser necesario.

References

1. G. O. Young, “Synthetic structure of industrial plastics (Book style with paper title and editor),” in *Plastics*, 2nd ed. vol. 3, J. Peters, Ed. New York: McGraw-Hill, 1964, pp. 15–64.
2. W.-K. Chen, *Linear Networks and Systems* (Book style)*.* Belmont, CA: Wadsworth, 1993, pp. 123–135.