**TRƯỜNG ĐẠI HỌC GIAO THÔNG VẬN TẢI**

**KHOA ĐIỆN – ĐIỆN TỬ**

**BỘ MÔN KỸ THUẬT ĐIỆN TỬ**

----------- 🕮 ----------

A blue and yellow logo

Description automatically generated

**ĐỒ ÁN TỐT NGHIỆP**

**HỆ THỐNG TRANG TRẠI THÔNG MINH TỪ XA TÍCH HỢP LORA**

**Giảng viên hướng dẫn : ThS Trần Văn Hưng**

**Sinh viên thực hiện: Nguyễn Ngọc Thắng**

**Lớp : Kỹ thuật điện tử và Tin học công nghiệp 2**

**Khoá : K61**

**Hà Nội, tháng 01 năm 2025**

**LỜI NÓI ĐẦU**

**LỜI CẢM ƠN**

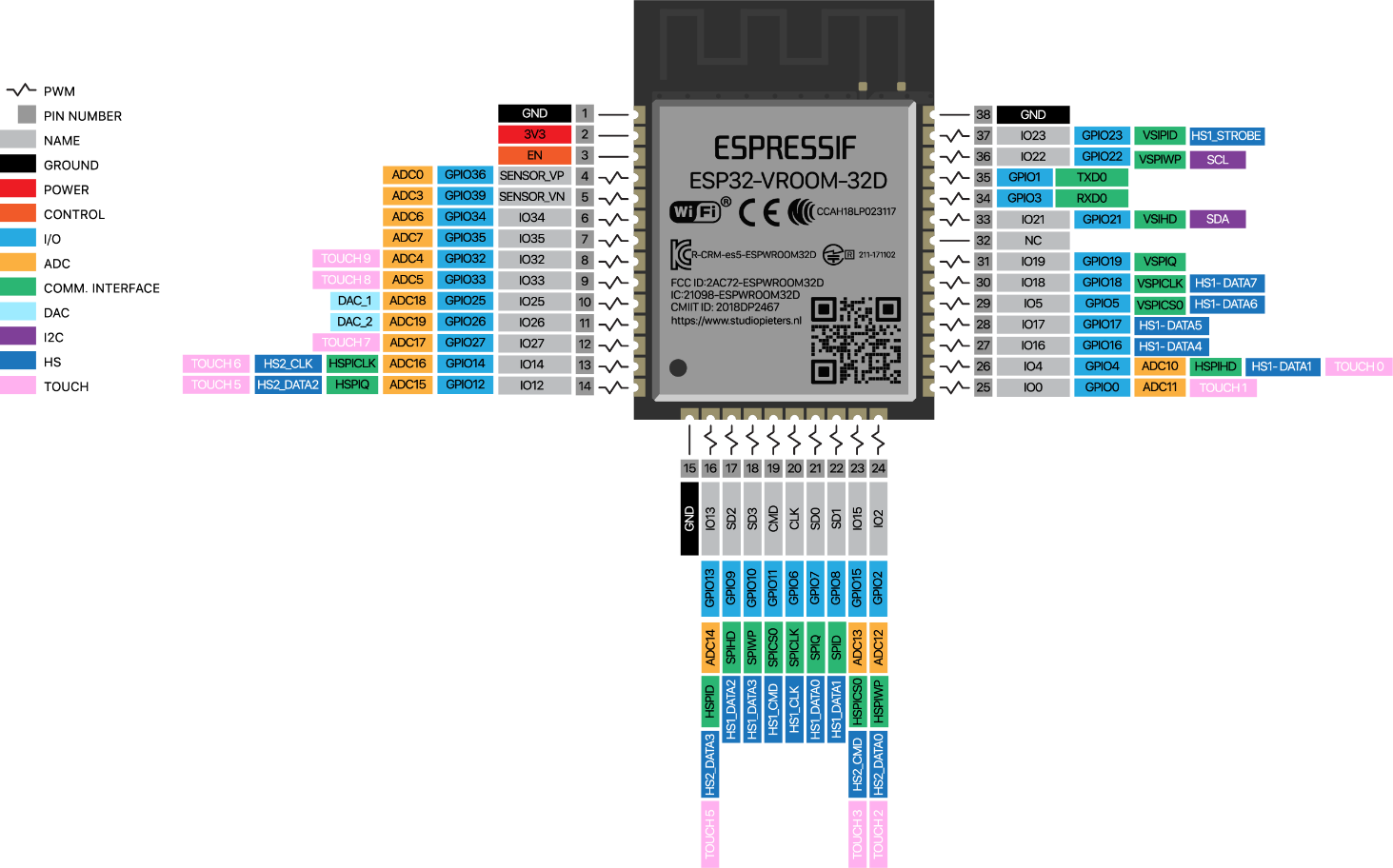
**MỤC LỤC**

**DANH MỤC CÁC HÌNH ẢNH**

* + 1. TỔNG QUAN

1. 1
2. CƠ SỞ LÝ THUYẾT
   1. THIẾT BỊ PHẦN CỨNG
      1. ESP32

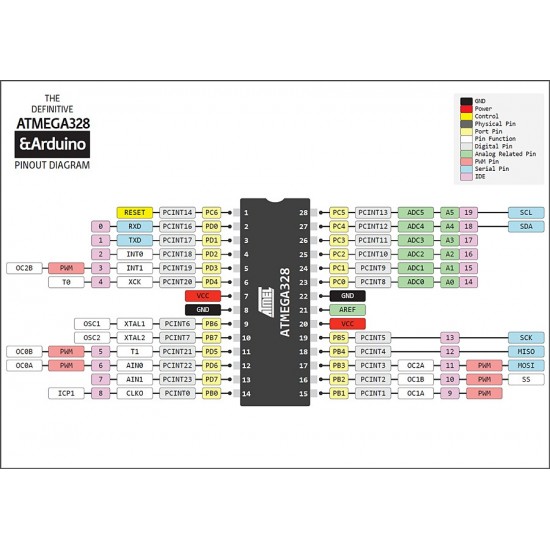
ESP32 là một SoC giá rẻ của Espressif Systems, kế thừa từ ESP8266, tích hợp bộ vi xử lý 32-bit Xtensa LX6 với cả Wi-Fi và Bluetooth. Ưu điểm chính của ESP32 là tích hợp các thành phần RF như bộ khuếch đại, công tắc ăng-ten và bộ lọc, giúp thiết kế phần cứng dễ dàng hơn. Sản xuất bằng công nghệ 40 nm công suất cực thấp của TSMC, ESP32 rất phù hợp cho các ứng dụng chạy bằng pin như thiết bị đeo, thiết bị âm thanh, và đồng hồ thông minh.



**Thông số kỹ thuật**

* Bộ vi xử lý: LX6 32-bit lõi đơn hoặc lõi kép với xung nhịp lên đến 240 MHz.
* Bộ nhớ: 520 KB SRAM, 448 KB ROM, và 16 KB SRAM RTC.
* Wi-Fi: Hỗ trợ kết nối Wi-Fi 802.11 b/g/n với tốc độ lên đến 150 Mbps.
* Bluetooth: Hỗ trợ Bluetooth v4.2 và BLE cổ điển.
* GPIO: 34 GPIO có thể lập trình.
* ADC/DAC: 18 kênh SAR ADC 12 bit và 2 kênh DAC 8 bit.
* Kết nối nối tiếp: 4 x SPI, 2 x I2C, 2 x I2S, 3 x UART.
* Ethernet: Ethernet MAC cho giao tiếp mạng LAN vật lý (yêu cầu PHY bên ngoài).
* SD/SDIO/MMC: 1 bộ điều khiển host cho SD/SDIO/MMC và 1 bộ điều khiển slave cho SDIO/SPI.
* PWM: Động cơ PWM và 16 kênh LED PWM.
* Bảo mật: Khởi động an toàn và mã hóa Flash, tăng tốc phần cứng mật mã cho AES, Hash (SHA-2), RSA, ECC và RNG.
  + 1. ATMEGA328P

ATmega328P là một trong những vi điều khiển công nghệ AVR hiệu suất cao với số lượng chân cắm và tính năng lớn. Được thiết kế bằng công nghệ CMOS 8-bit và CPU RSIC giúp nâng cao hiệu suất và tối ưu mức sử dụng năng lượng nhờ có chế độ ngủ tự động và cảm biến nhiệt độ bên trong. ATmega328P có mạch bảo vệ bên trong và có nhiều cách lập trình giúp các kỹ sư sử dụng linh hoạt ở các tính huống khác nhau. IC hỗ trợ nhiều giao thức giao tiếp hiện đại cho các module khác và chính bộ vi điều khiển, đó là lý do tại sao ATmega328P được sử dụng phổ biến.



**Thông số kỹ thuật của ATmega328P**

* Thiết kế hiệu suất cao
* Tiêu thụ ít điện năng
* Tổng số chân ngõ vào Analog là 6
* Chứa 32 kilobyte bộ nhớ flash
* Chứa 2 kilobyte SRAM
* Chứa 1 kilobyte EEPROM
* Tốc độ xung nhịp 16 megahertz
* Nhiệt độ tối thiểu và tối đa -40 độ C đến 105 độ C.
* Tổng số chân I / O kỹ thuật số là 14 chân
* RISC tiên tiến
* Khóa chức năng chương trình để bảo mật mã lập trình
* Chứa tổng cộng ba bộ định thời, hai 8 bit và một 16 bit
* Tổng số chân I / O là 23 chân
* Tổng số kênh PWM là 6
* Điện áp hoạt động tối thiểu và tối đa từ 1.8V DC đến 5.5V DC
  + 1. Màn hình TFT 2.2 SPI ILT9341

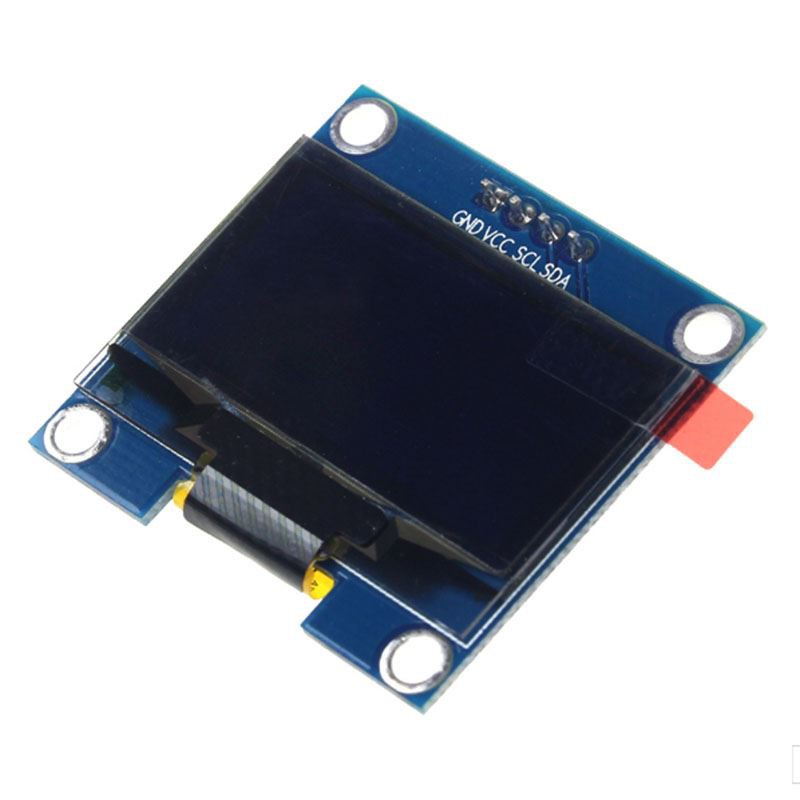
**Màn hình LCD TFT 2.2 Inch 240x320 SPI ILI9341** là một màn hình nhỏ gọn, chất lượng cao, thường được sử dụng trong các dự án IoT, Arduino, và ESP32 nhờ khả năng hiển thị màu sắc sống động và giao tiếp qua SPI, giúp giảm số chân kết nối.



**Thông số kĩ thuật**

* Điện áp hoạt động: 5V/3V3
* Nhiệt độ hoạt động: -20-70°C
* IC điều khiển: ILI9341
* Giao tiếp: SPI
* Mật độ điểm ảnh: QVGA 240x320
* Khả năng hiển thị màu: 262K/65K
* Kích thước màn hình: 2.2 inch
* Kích thước: 67x40mm/2.63x1.57inch
* Trọng lượng: 18.43gram
* Chất liệu: nhựa
* **Màn hình không cảm ứng**
  + 1. Màn hình OLED 1,3 INH

Màn hình Oled 1.3 inch giao tiếp I2C cho khả năng hiển thị đẹp, sang trọng, rõ nét vào ban ngày và khả năng tiết kiệm năng lượng tối đa với mức chi phí phù hợp, màn hình sử dụng giao tiếp I2C cho chất lượng đường truyền ổn định và rất dễ giao tiếp chỉ với 2 chân GPIO.



**Thông tin kỹ thuật:**

* Điện áp sử dụng: 2.2~5.5VDC
* Công suất tiêu thụ: 0.04w
* Góc hiển thị: lớn hơn 160 độ
* Số điểm hiển thị: 128x64 điểm.
* Độ rộng màn hình: 1.3 inch.
* Màu hiển thị: Trắng / Xanh Dương.
* Giao tiếp: I2C
* Driver: SH1106
  + 1. LORA AS32-TTL-100

Module thu phát AS32 - TTL - 100 sử dụng chip Semtech SX1278 của chuẩn LoRaTM không dây, module ngoài sử dụng công nghệ GFSK truyền thống, nó cũng sử dụng công nghệ Lora (long range) chống nhiễu và giảm dòng tiêu thụ .Module hỗ trợ chuẩn giao tiếp UART, độ mạnh tín hiệu phát lớn 100mW, truyền tải được khoảng cách xa mà điện năng tiêu thụ thấp.

Module thu phát AS32-TTL-100 thích hợp cho bất kỳ môi trường ứng dụng phức tạp nào cần truyền tải dữ liệu không dây, chẳng hạn như: điều khiển nhà thông minh, ô tô điện tử, báo động an ninh, giám sát và kiểm soát hệ thống công nghiệp, hệ thống điều khiển từ xa cho các ứng dụng tưới tiêu… Module có thể truyền xa lên đến vài km tùy vào mục đích sử dụng và năng lượng tiêu tốn.

![A close-up of a wireless port

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEASABIAAD/4SXoRXhpZgAATU0AKgAAAAgAEQEAAAMAAAABCiAAAAEBAAMAAAABBsAAAAECAAMAAAADAAAI5gEGAAMAAAABAAIAAAEPAAIAAAAGAAAI7AEQAAIAAAAPAAAI8gESAAMAAAABAAEAAAEVAAMAAAABAAMAAAEaAAUAAAABAAAJAgEbAAUAAAABAAAJCgEoAAMAAAABAAIAAAExAAIAAAAeAAAJEgEyAAIAAAAUAAAJMAITAAMAAAABAAIAAIdpAAQAAAABAAAJRIglAAQAAAABAAAVCOocAAcAAAgMAAAA2gAAFRwc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAIAAgACENhbm9uAENhbm9uIEVPUyA3MDBEAAAACvyAAAAnEAAK/IAAACcQQWRvYmUgUGhvdG9zaG9wIENTNiAoV2luZG93cykAMjAxNzowODowMiAwMzoyMDoxMwAAJoKaAAUAAAABAAATHoKdAAUAAAABAAATJogiAAMAAAABAAEAAIgnAAMAAAABAGQAAIgwAAMAAAABAAIAAIgyAAQAAAABAAAAZJAAAAcAAAAEMDIzMJADAAIAAAAUAAATLpAEAAIAAAAUAAATQpEBAAcAAAAEAQIDAJIBAAoAAAABAAATVpICAAUAAAABAAATXpIEAAoAAAABAAATZpIHAAMAAAABAAMAAJIJAAMAAAABABAAAJIKAAUAAAABAAATbpKGAAcAAAEIAAATdpKQAAIAAAADOTEAAJKRAAIAAAADOTEAAJKSAAIAAAADOTEAAKAAAAcAAAAEMDEwMKABAAMAAAABAAEAAKACAAQAAAABAAAFFKADAAQAAAABAAAEEKAFAAQAAAABAAAUfqIOAAUAAAABAAAUnqIPAAUAAAABAAAUpqIQAAMAAAABAAIAAKQBAAMAAAABAAAAAKQCAAMAAAABAAEAAKQDAAMAAAABAAAAAKQGAAMAAAABAAAAAKQwAAIAAAABAAAAAKQxAAIAAAANAAAUrqQyAAUAAAAEAAAUvKQ0AAIAAAAdAAAU3KQ1AAIAAAALAAAU+uocAAcAAAgMAAALEgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAEAAAAEAAAAEAAAAAEyMDE3OjA3OjEwIDA5OjQ0OjI5ADIwMTc6MDc6MTAgMDk6NDQ6MjkAAAIAAAABAAAACAAAAAEAAAAAAAAAAAABAAAANwAAAAEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAgABAAIAAAAEUjk4AAACAAcAAAAEMDEwMAAAAAAAAAAnjQAAAAN+ABpeAAAAAlU0MjgwMzUwMDI3NzcAAAAAABIAAAABAAAANwAAAAEAAAAAAAAAAQAAAAAAAAABRUYtUzE4LTU1bW0gZi8zLjUtNS42IElTIFNUTQAAMDAwMDJkYTM5YQAAAAAAAQAAAAEAAAAEAgMAAAAAAAAAAAAGAQMAAwAAAAEABgAAARoABQAAAAEAABVqARsABQAAAAEAABVyASgAAwAAAAEAAgAAAgEABAAAAAEAABV6AgIABAAAAAEAABBlAAAAAAAAAEgAAAABAAAASAAAAAH/2P/bAEMACAYGBwYFCAcHBwkJCAoMFA0MCwsMGRITDxQdGh8eHRocHCAkLicgIiwjHBwoNyksMDE0NDQfJzk9ODI8LjM0Mv/bAEMBCQkJDAsMGA0NGDIhHCEyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMv/AABEIAEMAoAMBIQACEQEDEQH/xAAfAAABBQEBAQEBAQAAAAAAAAAAAQIDBAUGBwgJCgv/xAC1EAACAQMDAgQDBQUEBAAAAX0BAgMABBEFEiExQQYTUWEHInEUMoGRoQgjQrHBFVLR8CQzYnKCCQoWFxgZGiUmJygpKjQ1Njc4OTpDREVGR0hJSlNUVVZXWFlaY2RlZmdoaWpzdHV2d3h5eoOEhYaHiImKkpOUlZaXmJmaoqOkpaanqKmqsrO0tba3uLm6wsPExcbHyMnK0tPU1dbX2Nna4eLj5OXm5+jp6vHy8/T19vf4+fr/xAAfAQADAQEBAQEBAQEBAAAAAAAAAQIDBAUGBwgJCgv/xAC1EQACAQIEBAMEBwUEBAABAncAAQIDEQQFITEGEkFRB2FxEyIygQgUQpGhscEJIzNS8BVictEKFiQ04SXxFxgZGiYnKCkqNTY3ODk6Q0RFRkdISUpTVFVWV1hZWmNkZWZnaGlqc3R1dnd4eXqCg4SFhoeIiYqSk5SVlpeYmZqio6Slpqeoqaqys7S1tre4ubrCw8TFxsfIycrS09TV1tfY2dri4+Tl5ufo6ery8/T19vf4+fr/2gAMAwEAAhEDEQA/APUvHXi268KW9m9rawztOzgiViAAMf41x0Hxh1EzrG+jQzO52pHCzhmYngDg5+lS27nl1cfOFeVJRva35XJ7n4n+Jdw+z+E51XHO+GV+fqAKdB8UfEYj/f8Ag27kbPBjjlQY+hU0uY3jXxG7pl+L4heI5rFrtPBc/lqcFTcYfrjhCu4/gKrj4na+R/yI+oflJ/8AEU+dFutXW9P8f+AOPxN14dfA+oD6iT/43SD4na9nH/CEagcenmf/ABujmQvb1v8An2/6+RKPiXrh/wCZE1P85P8A41Tv+Fka7t3DwJqWMZ+8/wD8bpOaQ1Vrvan+P/AG/wDCy9cz/wAiJqf/AH0//wAapkvxS1a3gaabwTqEcaAl3d3VVHqSY6fMiXiKy19n/X3FEfG1T/zAP/Jz/wCwq/pXxXbVrr7PHpFvAxAIa41AIDlgMD5OTznHXANHMjJY6TdlFff/AMA9CsbyPUNPtr2IMI7iJZUDjkBgCM+/NWKo9CMuZJoKKBhRQB5z8U5bWCTRJry2+1W8bzFofMKb/lUDBHOQTn8K4bwrewan8TNNmMUkRMj4JXaDw7DufUD6AdqiS1PJdRfWZQtrzR1+SKaW7zudkqtvYhUX73Y9PTtmpLizkiL7nLDBBITGcE/d9uMnOMAisLnvFMRzg7kjdg6llwhIxkj+YqKeSQOgcMBsJC9x2/8Ar10pR0uY3l0FxMNrhXXcu5crgMvPI/KmpPIV25YY7n9D+lDVOwJzuOEkkjAoh3AN057HNNxIkKyFX2u2NxHGeCR/L86d4rRf1uL3t/66B5zI+7cc9MbuP89a1tEYTXIilwwaNwVIyCCp496yajZW3NPed7nK2P2T7bbC+JW1MgEpBIwMH0rcsFtf7YuF0yWV7cQbgIpADIQ5IU7yQM7V7Nk4wuTxOtzxaUYex5vtX7629P1PfPDH/Ip6N/14wf8AoArVrc9Kn8C9AooLCigDzf4rzR2zaLPLCsyxtOfLZiMnaoB47gkH8K4PwdOl78StLlnjnWZnblgduQjEdTn0/wDrDis5LU8p1bYmUEvtR1+SKQjgaRhKZAeeccAYOD64zjPHTNWlTTGilV55WPzbQO+N+3t7J/30enbFHujrO+js/JkjiEuY9kySE7dxY9v93j05PvVcaiC7h7ODEjrkIijAy7ELxkHLj/vkA5HFUhMc+oRTRj/RBwpVVYjkbyx6Dgc4+Ujv9Kd9ugh1Vb1bJGjTOYDgq3GOgAHBJPT09yUAgvYhAU+xhmZSgYhDg7WGQcZ6sDnOeOvPAb62lmsjNaiOGObfKCd6tnaDxjp8vTnqaLBe4PdwbFIs4fMGFLLt2nCldxGMckg++B9auaXcRXXiB7iNGRJDI4ViCVyp4z6daFuN7HHWqwyXMC3Ejx2xcCZk6hO5rc0qbTrfW5Ehtpbq1ZTDbp5uwu5+XOcHIPPBGCTg8ZFX1Pn4eyVJSfxX/A9+8MHPhPRj62MB/wDHBWrWx6tP4EFFBYUUAecfFW6Wxk0O6aGOby5JT5cgyG+VR+fOR7iuG8IXNtdfETRiLJoHUsmSxOcK5BOT15A7DgVnLc8p1H9YlBL7Udfkipaz2az7bmB3/eklgc7l6BcZHfnNKJ9PFucRv5uAA3lgA/Ke+7IJODxn7vuRWKPdJiLT7LFHeyNCgtiYnQbyx81v55bHPYc9qbHbaY00hkvCu4uqoVY7VHRuB9OPx9qdxFe6htIwgt3OQhDNt+8d5wTk8ZXHT2q1HHpeyQvcZfyduXDALKQeQFHTOPyPHPDuDIJDYBEaORZCd37tY2wcYwCSRhevvj3PEznSWGxo7eJRJLhgJMgbfkPfjOCe/t1o1EhNO/sszp9rkaSMuNwZWXHyt0wTxnaM8H2FPtTDDcYtvLQrbPvLKSA2wnkH2xnpznHFLqN7M5G2ED3VutyXW2MgExXqF7+/p0rb0+O2m1W8TT1uzapGdhS3E7cEc7WxhT/M471etzwIKn7L+9f8PyPf/Cn/ACJ+if8AXhB/6LWtetj1ofCgooKCigDzf4q3X2KXQ7jyIbja8w8qZNytlVHT15yPcCuE8EeR/wALE0oNamIh2ADEfL8jkcZznp6etZS3PKc5fWZQS05o6/JaFOB7iCdhbhwGZkyo5yQRjI/PHt0qy17feUQlsyEw+Wz4J3KEIJb8HBJ9lNZHuiE2iWsQnV5d1uSirJnynMh49htBOMfxds5qHbYt8geVZFRssQME7Wx9Odv5npigBjIHClFO3A3c8dKek2niGaOa3Imw5XYThfu7Ryew3+vUdaaBoYk9n9njEkTtIRJk5z1A2Hr2Oc1b83RmlY/ZZmQS5Xqfk3qcHnghQR3zu56A0aiKlx9hYsLeOVPugByMDCjP1y3oBx29J7OMyXNxHEm9/s0wQBgNx2NSG9mN0HwaPEGmpNFqkMErE5SZCFUZYfeGf7p7f0z1ei/Dm90aZb59csIwVyrCHzVYAhgRkjoQDkelbRjpc8elg9Izueh6Jf6RYaTpmlprFlNLFbxQJiZQ0hUBchcnqR05rWmvrS3LCe6giKjLB5AuBgnPPsrH6KfSqU4taM9FU5RSViKXVdPgRmkvYAFO0/vASDlhjHrlWH/AT6Gon1zT0BzMSR2CH/CuavjsPQfLUlZlxpTlshja/Y+SXRmZ+ybSCf6Vas7z7UJMpsZDyM5rCnmlGrXjRp636jlRlFXZwXxVuvsT6LcCGGZlacCOaPepyoXp04zkZ7gVwfgee3m+IWlH7MEYFlHzLx8jYzjvn2ruktTxJVJfWZQS05o6/JEcVvePKWtpZEUSOUCkgs2OQAP4io9s9KfLLd+WWa7gIVTgCLqGQKBjb/EgGPpzg1ge8Qs9stpbvdQ4LWjbMnBd/NYZ47hdw5Hb6ZXydJjd1jnmlfeAhI+V045PGV6nse3Xu9RXGBrVGPlSSiMxqfm/vYGfTpkjv09+J1l0dJ4XlhLplTN94Bvk6DBBzuyfy7UajYyMaEjwbxNNGVIlwcmNgQRjhcnqOfUdcYNPzYnedo43SMOSiFskL257n3piQhUHILrwflzxn1/pV/RhnUzu67HjYBfVSDwakroZaT350Wxg06C5kjlibcEjYgsJWPGADuAH5NT2tNfmidJdAvtsi/N/os7d8+ufw6cUnSbvqcNLEV4QShFO1u5oai9xJ418PG9/dgJZ7RtKMgGAwPcYcOOvYV0+sDQk1Ca5t449Snk4LFzMu7bwOvJOCPxHtXnYiShG0dT2qHNJq+ncoW/2PVJiLq4hgjx8qJHhmHJHQd/MQj1LE9c12u9LqCG4XhZY1cZ9CM187mV0oyk9Tao9bJaISNF39a6TSW/fkdmjBP6f41nlFS2Nptd/0ZyYj4TkPijcTWt1oMtvbpczB5wkLx7w+VUEY78E1wfg678z4maYtzp0dtKryRnb8u07XOCOpOTjJ56Zr7+W5823N4iUVtzL8kUGjieabFwEKseCDnj+nT368dAbtxZJbyGI6sjw+VsLocqB8rFeO2STxnoeM5AwPcISkRgt/tEiFGtm8rKkbTvcAADqS2Tk8c+gwZ4xoogWRdq3CttxJvCkAsctt5z93ocZx74auLQzCYQZGWRgvWP5Mg84wx7YHoDVt/7IjE6xOsgKoIzIjqSQdrdD0ON3sGwBmqAFn0dzMjxBjtlETxl8NkjYeo5HP4cEE0slzpj3O63t18ss37tmYqRsXAByDjdu5465I7UncaGXLWMysLeORXYqI/M5wNp3fiflP1JA4qxoKOmoqxChirMdo9FP9M0h9DHtb3UbfSLMWuNrxnewhLLv8xx3OO69fY8VUj1WeNiWNoxHU/Y1dhz+PpRLRHnUq9dJRhG6NjXrm51XWNIjCSK8lpbRRbwVLFhkkZ6DcxA7YAxxXQWkdz4ZtYdMWxUkTpcArIMf66Jhzn/pkw/GvMr1OTWOx71GPPBRluQSabqCWNs9vYKyLGisyuM42woOhPT7OG/EduvoL5eGJmQIzRqSg/h46V87nUnKMblyUVaxHGvz10GmErdIAM5jwfYVx5Nb67T9TnxHwnL/ABOutR0+fRb3TbU3EsRnUr5RkUB0C5IH1NebaRd6pp/iCz1aTRrmc2zOwi8grkvkn5guep759vSv0We583OdRVpJLS6f4Ijd1nndxoepEls8N7/9czS+SCpA0DVNrejn/wCN1nys6Xj6l7Kk/v8A+AWk06e4hzF4a1qQAn7isQD9RHT/AOyr0BtvhLWyGAGDGwHPB/5Zf/r9qajIuWOenLTfmB0W5L4/4RTXvL2gg7WB3Y5H+q6Z75/AUw6FcthT4S10KAOhfk/9+qfKzN46pb+E/wCvkL/YlxjH/CIa5x0+Vv8A41Us+k/ZbcTf8I7r+cAkSQlVHPTds9fb8KTjIuGOlq5U2v6+RSAHGPD+qHAAHzn/AON1NHc3MC/udC1CNwrBXkywG4Y5AjBI9s0KJm8wqNfw3/XyLVheadbeFrPR720m2q7PdqEIZ18wN5fJBUYVWyOeAOOazpW0GGR7ix0u6edlKgStwuQRwfm9uCvaqa01N8PioRhGL3tqer6Z4G0TUI9F1q5jmkuobW3KAyEKCoBU7fr26V1E+kadcrtmsoHH/XMZH404UIKNmrnS685NSTsM/sTTVhMcdlBHxgFYxkfj+A/Kq8mh+Yc/aMf8A/8Ar152Pyini3HXlt5FRryW+og0BVGROS3b5cCrlnZNbyM77Sdu1cHt/nFc2HyKOHxEKsXdIc6zkrF2ivoDAKKACigAooAKKACigAooAKKACigAooA//9kA/+0SllBob3Rvc2hvcCAzLjAAOEJJTQQEAAAAAABmHAFaAAMbJUccAVoAAxslRxwCAAACAAIcAjcACDIwMTcwNzEwHAI8AAswOTQ0MjkrMDcwMBwCQQAtTWljcm9zb2Z0IFdpbmRvd3MgUGhvdG8gVmlld2VyIDYuMS43NjAwLjE2Mzg1OEJJTQQlAAAAAAAQ0jsbDwKhcI9OgE7Nnw22IjhCSU0EOgAAAAAA5QAAABAAAAABAAAAAAALcHJpbnRPdXRwdXQAAAAFAAAAAFBzdFNib29sAQAAAABJbnRlZW51bQAAAABJbnRlAAAAAENscm0AAAAPcHJpbnRTaXh0ZWVuQml0Ym9vbAAAAAALcHJpbnRlck5hbWVURVhUAAAAAQAAAAAAD3ByaW50UHJvb2ZTZXR1cE9iamMAAAAMAFAAcgBvAG8AZgAgAFMAZQB0AHUAcAAAAAAACnByb29mU2V0dXAAAAABAAAAAEJsdG5lbnVtAAAADGJ1aWx0aW5Qcm9vZgAAAAlwcm9vZkNNWUsAOEJJTQQ7AAAAAAItAAAAEAAAAAEAAAAAABJwcmludE91dHB1dE9wdGlvbnMAAAAXAAAAAENwdG5ib29sAAAAAABDbGJyYm9vbAAAAAAAUmdzTWJvb2wAAAAAAENybkNib29sAAAAAABDbnRDYm9vbAAAAAAATGJsc2Jvb2wAAAAAAE5ndHZib29sAAAAAABFbWxEYm9vbAAAAAAASW50cmJvb2wAAAAAAEJja2dPYmpjAAAAAQAAAAAAAFJHQkMAAAADAAAAAFJkICBkb3ViQG/gAAAAAAAAAAAAR3JuIGRvdWJAb+AAAAAAAAAAAABCbCAgZG91YkBv4AAAAAAAAAAAAEJyZFRVbnRGI1JsdAAAAAAAAAAAAAAAAEJsZCBVbnRGI1JsdAAAAAAAAAAAAAAAAFJzbHRVbnRGI1B4bEBSAAAAAAAAAAAACnZlY3RvckRhdGFib29sAQAAAABQZ1BzZW51bQAAAABQZ1BzAAAAAFBnUEMAAAAATGVmdFVudEYjUmx0AAAAAAAAAAAAAAAAVG9wIFVudEYjUmx0AAAAAAAAAAAAAAAAU2NsIFVudEYjUHJjQFkAAAAAAAAAAAAQY3JvcFdoZW5QcmludGluZ2Jvb2wAAAAADmNyb3BSZWN0Qm90dG9tbG9uZwAAAAAAAAAMY3JvcFJlY3RMZWZ0bG9uZwAAAAAAAAANY3JvcFJlY3RSaWdodGxvbmcAAAAAAAAAC2Nyb3BSZWN0VG9wbG9uZwAAAAAAOEJJTQPtAAAAAAAQAEgAAAABAAEASAAAAAEAAThCSU0EJgAAAAAADgAAAAAAAAAAAAA/gAAAOEJJTQQNAAAAAAAEAAAAHjhCSU0EGQAAAAAABAAAAB44QklNA/MAAAAAAAkAAAAAAAAAAAEAOEJJTQQKAAAAAAABAAA4QklNJxAAAAAAAAoAAQAAAAAAAAACOEJJTQP1AAAAAABIAC9mZgABAGxmZgAGAAAAAAABAC9mZgABAKGZmgAGAAAAAAABADIAAAABAFoAAAAGAAAAAAABADUAAAABAC0AAAAGAAAAAAABOEJJTQP4AAAAAABwAAD/////////////////////////////A+gAAAAA/////////////////////////////wPoAAAAAP////////////////////////////8D6AAAAAD/////////////////////////////A+gAADhCSU0EAAAAAAAAAgACOEJJTQQCAAAAAAAGAAAAAAAAOEJJTQQwAAAAAAADAQEBADhCSU0ELQAAAAAABgABAAAABjhCSU0ECAAAAAAAEAAAAAEAAAJAAAACQAAAAAA4QklNBB4AAAAAAAQAAAAAOEJJTQQaAAAAAANFAAAABgAAAAAAAAAAAAAEEAAABRQAAAAIAEkATQBHAF8AMAA5ADAAOAAAAAEAAAAAAAAAAAAAAAAAAAAAAAAAAQAAAAAAAAAAAAAFFAAABBAAAAAAAAAAAAAAAAAAAAAAAQAAAAAAAAAAAAAAAAAAAAAAAAAQAAAAAQAAAAAAAG51bGwAAAACAAAABmJvdW5kc09iamMAAAABAAAAAAAAUmN0MQAAAAQAAAAAVG9wIGxvbmcAAAAAAAAAAExlZnRsb25nAAAAAAAAAABCdG9tbG9uZwAABBAAAAAAUmdodGxvbmcAAAUUAAAABnNsaWNlc1ZsTHMAAAABT2JqYwAAAAEAAAAAAAVzbGljZQAAABIAAAAHc2xpY2VJRGxvbmcAAAAAAAAAB2dyb3VwSURsb25nAAAAAAAAAAZvcmlnaW5lbnVtAAAADEVTbGljZU9yaWdpbgAAAA1hdXRvR2VuZXJhdGVkAAAAAFR5cGVlbnVtAAAACkVTbGljZVR5cGUAAAAASW1nIAAAAAZib3VuZHNPYmpjAAAAAQAAAAAAAFJjdDEAAAAEAAAAAFRvcCBsb25nAAAAAAAAAABMZWZ0bG9uZwAAAAAAAAAAQnRvbWxvbmcAAAQQAAAAAFJnaHRsb25nAAAFFAAAAAN1cmxURVhUAAAAAQAAAAAAAG51bGxURVhUAAAAAQAAAAAAAE1zZ2VURVhUAAAAAQAAAAAABmFsdFRhZ1RFWFQAAAABAAAAAAAOY2VsbFRleHRJc0hUTUxib29sAQAAAAhjZWxsVGV4dFRFWFQAAAABAAAAAAAJaG9yekFsaWduZW51bQAAAA9FU2xpY2VIb3J6QWxpZ24AAAAHZGVmYXVsdAAAAAl2ZXJ0QWxpZ25lbnVtAAAAD0VTbGljZVZlcnRBbGlnbgAAAAdkZWZhdWx0AAAAC2JnQ29sb3JUeXBlZW51bQAAABFFU2xpY2VCR0NvbG9yVHlwZQAAAABOb25lAAAACXRvcE91dHNldGxvbmcAAAAAAAAACmxlZnRPdXRzZXRsb25nAAAAAAAAAAxib3R0b21PdXRzZXRsb25nAAAAAAAAAAtyaWdodE91dHNldGxvbmcAAAAAADhCSU0EKAAAAAAADAAAAAI/8AAAAAAAADhCSU0EFAAAAAAABAAAAAc4QklNBAwAAAAACQIAAAABAAAAoAAAAIAAAAHgAADwAAAACOYAGAAB/9j/7QAMQWRvYmVfQ00AAf/uAA5BZG9iZQBkgAAAAAH/2wCEAAwICAgJCAwJCQwRCwoLERUPDAwPFRgTExUTExgRDAwMDAwMEQwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwBDQsLDQ4NEA4OEBQODg4UFA4ODg4UEQwMDAwMEREMDAwMDAwRDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDP/AABEIAIAAoAMBIgACEQEDEQH/3QAEAAr/xAE/AAABBQEBAQEBAQAAAAAAAAADAAECBAUGBwgJCgsBAAEFAQEBAQEBAAAAAAAAAAEAAgMEBQYHCAkKCxAAAQQBAwIEAgUHBggFAwwzAQACEQMEIRIxBUFRYRMicYEyBhSRobFCIyQVUsFiMzRygtFDByWSU/Dh8WNzNRaisoMmRJNUZEXCo3Q2F9JV4mXys4TD03Xj80YnlKSFtJXE1OT0pbXF1eX1VmZ2hpamtsbW5vY3R1dnd4eXp7fH1+f3EQACAgECBAQDBAUGBwcGBTUBAAIRAyExEgRBUWFxIhMFMoGRFKGxQiPBUtHwMyRi4XKCkkNTFWNzNPElBhaisoMHJjXC0kSTVKMXZEVVNnRl4vKzhMPTdePzRpSkhbSVxNTk9KW1xdXl9VZmdoaWprbG1ub2JzdHV2d3h5ent8f/2gAMAwEAAhEDEQA/APVUkkklKSSSSUpJJJJSkkkklKSSSSUpJJJJSkkkklKSSSSUpJJJJSkkkklP/9D1VJJJJSkkkklKSSSSUpJJJJSkkkklKSSSSUpJJJJSkkkklKSSSSUpJJJJT//R9VSSSSUpJJJJSkkkklKSSSSUpJJJJSkkkklKSSSSUpJJJJSkkkklKSSSSU//0vVUkkklKSSSSU1OruezpOa5kh7ce0tIMGQx0e5eY4jjZkZAp6nk5FWLhOyHgW21F9rTWzZqTZ6THXf116Z1uP2NnzMfZrpjn6Dl5ri13i3Pfe2pw/Zdm19MbWgWUN2MaxzmbP3PTZs/0fsTJtecQc8LFj0/9KX9b/uVCvJA3B2U3dw77bYJ7/mvQnZr9gDjltcwEy3MyZcCA5rn73uZ9F35ja0QYw2AfYwCWy53qyNdzQ4f5v7yi2zNbSBSz1KQWuIDd7d+xm9k/S7+o+r/AEiaD31bXtw6RA+iL7e+J9XM2+Izb1MdQsbo27OEwY+3XiR8vzlM5OexzWWUM3EhrQauTpX9H+W8/wBtNvzWVuHpNazV0lg3e4mzx3bdz0bHb8Ue1HsPsY/tW/aCbs0Twft94n71I52Rbi5L6czPqtppdaxxzbXiWlmmw7fa7d+8nLsxj91lDCXxWNoBA2ufLdrXP2u3/nqNrckUZb8hnpk4djWabQRuY72tH7vqJX4UieOPBLQfKUeD1HrbnY9juq5D633+iaBkWPs0G/e7HDt3or1DoN12R0TBvvebLbKK3WPdyXFo3OcvJ+mNubZjXVUBjhku25zi6HFjA84mxv8Aom/pt9a9U+rRn6vdOMzONWZ4mWjsnR6tbBuN9YA68W/f1umkkknNlSSSSSlJJJJKf//T9VSSSSUpJJJJTS62Y6Nnmdv6tdr4ex2q8xwqqmX9VDMWzDd+y7P0byHf4THncdjH7v8AjP8Arn6Renda/wCRs+IP6tdoePoOXmXTLGOf1P08uzIZ+zLI9Zrmuj1KNv0nWM+j/rZ/OJk/2Nef+6If4PbvL/CU3GJZ/QmmQYPqHsXT+c7d/wCYIZsoAAfbax8NnZo2NlWz2ez37t2+z89EGK5zDGI0CDr6njG0+4n+QmYcgBobdWxsNIbcGuO706zu1D/a5rP0X/BqNvMPY5242WPawnUGHR7tn01E3YJkOdkEFsEEt1O6e5+jtU3PtF7W+rVu9oFvtDOZkwPzPz0Rt+aHMH2ulrhDmSGna6G2bN+395//AFzZYihGDguGrsmeSQRAIP0tpd7nf1vz0J+92NlgOJ24r3HU/RD6i9v+Ypivc5znZFZc4lxcTo4kun/pN+iogu+zZzjpGLaA5onWWfRlBEx6Jf3Zfk3MH6t4bbasqzrGKxle219Fsh7SW7tr6N/0tv0/5C7bo/XegYvT6cAZzCcLFrse5zX1j0oDWXM9Zv0LP8H7l5q79jF7i93UC9znF5rNQrJn3bWuY785bGHlux+sM/Zw9Si3p+IzJstabHMpIb69u2na312RX/wSE8pgL0Y+WxYpSIiK06T43vm/WTojyBXlNsc5wa1rQSSSdojRTPWsMGCLP81cPRmuffVX6r9rrWMn0XAxvaPD81jF0ds+s7QfSP5Vk858Xz4ZQ4RCpA9OL5f8JuHloDT1fXR38bIGQwuDS2DwdeRuRlR6YdHD+S0x/nK8tTkM8s/K48s/mkDf+DKUWrMASICkkklaWv8A/9T1VJJJJSkkkklNbqOM/L6flYrCA++myppdMAva5g3R/WXFN+p31u+035dt+Bffk0uou3m0NLH7S8V+nVX6X82z6C75JAgHdZKAJErII7Hs+fD6h9dj6HTvD6eT/wCRUv8AmJ1w6lvTp7Hdkzp5rv0kOCKeGX78vtfP/wDmF1qIjp476OyQm/5gdY529Pnx3ZC9BSS4ArhP78/tfPz9ROtiPSb09o7jfkHXyTWfUT6x2UW0b8BjbmGtxa6+dpjjex/7q9BSS4AoxJ0M5a6b08VkfVHqGRZ6tmBgOvG0st9a0AFjWsrD6m4/6Zrdv+Ef6j/9Kt7pP1cwMEVZNlDD1D7LXi5Foc9zXNYG+xrLDs9Pe32fo1rpJcEbutl4lKq4iR/L91q/szp4BDcetpJncGgEH+SY9qgelYxduJeSfP8A2K6kosnK8vkIOTFCZG3FEFInIfpFFRjsoBDTMxqfAcIqSSkx44Y4CEIiMI7RCCSdSpJJJPQ//9X1VJJJJSkkkklKSSSSUpJJJJSkkkklKSSSSUpJJJJSkkkklKSSSSUpJJJJT//W9VSSSSUpJJJJSkkkklKSSSSUpJJJJSkkkklKSSSSUpJJJJSkkkklKSSSSU//2ThCSU0EIQAAAAAAVQAAAAEBAAAADwBBAGQAbwBiAGUAIABQAGgAbwB0AG8AcwBoAG8AcAAAABMAQQBkAG8AYgBlACAAUABoAG8AdABvAHMAaABvAHAAIABDAFMANgAAAAEAOEJJTQQGAAAAAAAHAAYBAQABAQD/4Q8yaHR0cDovL25zLmFkb2JlLmNvbS94YXAvMS4wLwA8P3hwYWNrZXQgYmVnaW49Iu+7vyIgaWQ9Ilc1TTBNcENlaGlIenJlU3pOVGN6a2M5ZCI/Pg0KPHg6eG1wbWV0YSB4bWxuczp4PSJhZG9iZTpuczptZXRhLyIgeDp4bXB0az0iQWRvYmUgWE1QIENvcmUgNS4zLWMwMTEgNjYuMTQ1NjYxLCAyMDEyLzAyLzA2LTE0OjU2OjI3ICAgICAgICAiPg0KCTxyZGY6UkRGIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+DQoJCTxyZGY6RGVzY3JpcHRpb24gcmRmOmFib3V0PSIiIHhtbG5zOnhtcD0iaHR0cDovL25zLmFkb2JlLmNvbS94YXAvMS4wLyIgeG1sbnM6eG1wTU09Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC9tbS8iIHhtbG5zOnN0RXZ0PSJodHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLjAvc1R5cGUvUmVzb3VyY2VFdmVudCMiIHhtbG5zOmRjPSJodHRwOi8vcHVybC5vcmcvZGMvZWxlbWVudHMvMS4xLyIgeG1sbnM6cGhvdG9zaG9wPSJodHRwOi8vbnMuYWRvYmUuY29tL3Bob3Rvc2hvcC8xLjAvIiB4bWxuczphdXg9Imh0dHA6Ly9ucy5hZG9iZS5jb20vZXhpZi8xLjAvYXV4LyIgeG1sbnM6eG1wUmlnaHRzPSJodHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLjAvcmlnaHRzLyIgeG1wOlJhdGluZz0iMCIgeG1wOk1vZGlmeURhdGU9IjIwMTctMDgtMDJUMDM6MjA6MTMrMDc6MDAiIHhtcDpDcmVhdGVEYXRlPSIyMDE3LTA3LTEwVDA5OjQ0OjI5IiB4bXA6TWV0YWRhdGFEYXRlPSIyMDE3LTA4LTAyVDAzOjIwOjEzKzA3OjAwIiB4bXA6Q3JlYXRvclRvb2w9Ik1pY3Jvc29mdCBXaW5kb3dzIFBob3RvIFZpZXdlciA2LjEuNzYwMC4xNjM4NSIgeG1wTU06RG9jdW1lbnRJRD0idXVpZDoxMEUxM0Y3RDc1NjZFNzExQkE5QUE4Q0VFMDg1NENEMSIgeG1wTU06SW5zdGFuY2VJRD0ieG1wLmlpZDo3NjhBODlBREY0NzZFNzExOERCRENEODcyRTlCMEFCRSIgeG1wTU06T3JpZ2luYWxEb2N1bWVudElEPSJ1dWlkOjEwRTEzRjdENzU2NkU3MTFCQTlBQThDRUUwODU0Q0QxIiBkYzpmb3JtYXQ9ImltYWdlL2pwZWciIHBob3Rvc2hvcDpMZWdhY3lJUFRDRGlnZXN0PSI0MDc5NTMwOEMzNUQ2RkRBNzkzOTkyMjcwQkUxMDc5MiIgcGhvdG9zaG9wOkRhdGVDcmVhdGVkPSIyMDE3LTA3LTEwVDA5OjQ0OjI5KzA3OjAwIiBwaG90b3Nob3A6Q29sb3JNb2RlPSIzIiBwaG90b3Nob3A6SUNDUHJvZmlsZT0ic1JHQiBJRUM2MTk2Ni0yLjEiIGF1eDpTZXJpYWxOdW1iZXI9IjQyODAzNTAwMjc3NyIgYXV4OkxlbnNJbmZvPSIxOC8xIDU1LzEgMC8wIDAvMCIgYXV4OkxlbnM9IkVGLVMxOC01NW1tIGYvMy41LTUuNiBJUyBTVE0iIGF1eDpMZW5zU2VyaWFsTnVtYmVyPSIwMDAwMmRhMzlhIiB4bXBSaWdodHM6TWFya2VkPSJGYWxzZSI+DQoJCQk8eG1wTU06SGlzdG9yeT4NCgkJCQk8cmRmOlNlcT4NCgkJCQkJPHJkZjpsaSBzdEV2dDphY3Rpb249InNhdmVkIiBzdEV2dDppbnN0YW5jZUlEPSJ4bXAuaWlkOjc2OEE4OUFERjQ3NkU3MTE4REJEQ0Q4NzJFOUIwQUJFIiBzdEV2dDp3aGVuPSIyMDE3LTA4LTAyVDAzOjIwOjEzKzA3OjAwIiBzdEV2dDpzb2Z0d2FyZUFnZW50PSJBZG9iZSBQaG90b3Nob3AgQ1M2IChXaW5kb3dzKSIgc3RFdnQ6Y2hhbmdlZD0iLyIvPg0KCQkJCTwvcmRmOlNlcT4NCgkJCTwveG1wTU06SGlzdG9yeT4NCgkJCTxwaG90b3Nob3A6RG9jdW1lbnRBbmNlc3RvcnM+DQoJCQkJPHJkZjpCYWc+DQoJCQkJCTxyZGY6bGk+dXVpZDoxMEUxM0Y3RDc1NjZFNzExQkE5QUE4Q0VFMDg1NENEMTwvcmRmOmxpPg0KCQkJCTwvcmRmOkJhZz4NCgkJCTwvcGhvdG9zaG9wOkRvY3VtZW50QW5jZXN0b3JzPg0KCQk8L3JkZjpEZXNjcmlwdGlvbj4NCgk8L3JkZjpSREY+DQo8L3g6eG1wbWV0YT4NCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICA8P3hwYWNrZXQgZW5kPSd3Jz8+/+IMWElDQ19QUk9GSUxFAAEBAAAMSExpbm8CEAAAbW50clJHQiBYWVogB84AAgAJAAYAMQAAYWNzcE1TRlQAAAAASUVDIHNSR0IAAAAAAAAAAAAAAAAAAPbWAAEAAAAA0y1IUCAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAARY3BydAAAAVAAAAAzZGVzYwAAAYQAAABsd3RwdAAAAfAAAAAUYmtwdAAAAgQAAAAUclhZWgAAAhgAAAAUZ1hZWgAAAiwAAAAUYlhZWgAAAkAAAAAUZG1uZAAAAlQAAABwZG1kZAAAAsQAAACIdnVlZAAAA0wAAACGdmlldwAAA9QAAAAkbHVtaQAAA/gAAAAUbWVhcwAABAwAAAAkdGVjaAAABDAAAAAMclRSQwAABDwAAAgMZ1RSQwAABDwAAAgMYlRSQwAABDwAAAgMdGV4dAAAAABDb3B5cmlnaHQgKGMpIDE5OTggSGV3bGV0dC1QYWNrYXJkIENvbXBhbnkAAGRlc2MAAAAAAAAAEnNSR0IgSUVDNjE5NjYtMi4xAAAAAAAAAAAAAAASc1JHQiBJRUM2MTk2Ni0yLjEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFhZWiAAAAAAAADzUQABAAAAARbMWFlaIAAAAAAAAAAAAAAAAAAAAABYWVogAAAAAAAAb6IAADj1AAADkFhZWiAAAAAAAABimQAAt4UAABjaWFlaIAAAAAAAACSgAAAPhAAAts9kZXNjAAAAAAAAABZJRUMgaHR0cDovL3d3dy5pZWMuY2gAAAAAAAAAAAAAABZJRUMgaHR0cDovL3d3dy5pZWMuY2gAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAZGVzYwAAAAAAAAAuSUVDIDYxOTY2LTIuMSBEZWZhdWx0IFJHQiBjb2xvdXIgc3BhY2UgLSBzUkdCAAAAAAAAAAAAAAAuSUVDIDYxOTY2LTIuMSBEZWZhdWx0IFJHQiBjb2xvdXIgc3BhY2UgLSBzUkdCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGRlc2MAAAAAAAAALFJlZmVyZW5jZSBWaWV3aW5nIENvbmRpdGlvbiBpbiBJRUM2MTk2Ni0yLjEAAAAAAAAAAAAAACxSZWZlcmVuY2UgVmlld2luZyBDb25kaXRpb24gaW4gSUVDNjE5NjYtMi4xAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAB2aWV3AAAAAAATpP4AFF8uABDPFAAD7cwABBMLAANcngAAAAFYWVogAAAAAABMCVYAUAAAAFcf521lYXMAAAAAAAAAAQAAAAAAAAAAAAAAAAAAAAAAAAKPAAAAAnNpZyAAAAAAQ1JUIGN1cnYAAAAAAAAEAAAAAAUACgAPABQAGQAeACMAKAAtADIANwA7AEAARQBKAE8AVABZAF4AYwBoAG0AcgB3AHwAgQCGAIsAkACVAJoAnwCkAKkArgCyALcAvADBAMYAywDQANUA2wDgAOUA6wDwAPYA+wEBAQcBDQETARkBHwElASsBMgE4AT4BRQFMAVIBWQFgAWcBbgF1AXwBgwGLAZIBmgGhAakBsQG5AcEByQHRAdkB4QHpAfIB+gIDAgwCFAIdAiYCLwI4AkECSwJUAl0CZwJxAnoChAKOApgCogKsArYCwQLLAtUC4ALrAvUDAAMLAxYDIQMtAzgDQwNPA1oDZgNyA34DigOWA6IDrgO6A8cD0wPgA+wD+QQGBBMEIAQtBDsESARVBGMEcQR+BIwEmgSoBLYExATTBOEE8AT+BQ0FHAUrBToFSQVYBWcFdwWGBZYFpgW1BcUF1QXlBfYGBgYWBicGNwZIBlkGagZ7BowGnQavBsAG0QbjBvUHBwcZBysHPQdPB2EHdAeGB5kHrAe/B9IH5Qf4CAsIHwgyCEYIWghuCIIIlgiqCL4I0gjnCPsJEAklCToJTwlkCXkJjwmkCboJzwnlCfsKEQonCj0KVApqCoEKmAquCsUK3ArzCwsLIgs5C1ELaQuAC5gLsAvIC+EL+QwSDCoMQwxcDHUMjgynDMAM2QzzDQ0NJg1ADVoNdA2ODakNww3eDfgOEw4uDkkOZA5/DpsOtg7SDu4PCQ8lD0EPXg96D5YPsw/PD+wQCRAmEEMQYRB+EJsQuRDXEPURExExEU8RbRGMEaoRyRHoEgcSJhJFEmQShBKjEsMS4xMDEyMTQxNjE4MTpBPFE+UUBhQnFEkUahSLFK0UzhTwFRIVNBVWFXgVmxW9FeAWAxYmFkkWbBaPFrIW1hb6Fx0XQRdlF4kXrhfSF/cYGxhAGGUYihivGNUY+hkgGUUZaxmRGbcZ3RoEGioaURp3Gp4axRrsGxQbOxtjG4obshvaHAIcKhxSHHscoxzMHPUdHh1HHXAdmR3DHeweFh5AHmoelB6+HukfEx8+H2kflB+/H+ogFSBBIGwgmCDEIPAhHCFIIXUhoSHOIfsiJyJVIoIiryLdIwojOCNmI5QjwiPwJB8kTSR8JKsk2iUJJTglaCWXJccl9yYnJlcmhya3JugnGCdJJ3onqyfcKA0oPyhxKKIo1CkGKTgpaymdKdAqAio1KmgqmyrPKwIrNitpK50r0SwFLDksbiyiLNctDC1BLXYtqy3hLhYuTC6CLrcu7i8kL1ovkS/HL/4wNTBsMKQw2zESMUoxgjG6MfIyKjJjMpsy1DMNM0YzfzO4M/E0KzRlNJ402DUTNU01hzXCNf02NzZyNq426TckN2A3nDfXOBQ4UDiMOMg5BTlCOX85vDn5OjY6dDqyOu87LTtrO6o76DwnPGU8pDzjPSI9YT2hPeA+ID5gPqA+4D8hP2E/oj/iQCNAZECmQOdBKUFqQaxB7kIwQnJCtUL3QzpDfUPARANER0SKRM5FEkVVRZpF3kYiRmdGq0bwRzVHe0fASAVIS0iRSNdJHUljSalJ8Eo3Sn1KxEsMS1NLmkviTCpMcky6TQJNSk2TTdxOJU5uTrdPAE9JT5NP3VAnUHFQu1EGUVBRm1HmUjFSfFLHUxNTX1OqU/ZUQlSPVNtVKFV1VcJWD1ZcVqlW91dEV5JX4FgvWH1Yy1kaWWlZuFoHWlZaplr1W0VblVvlXDVchlzWXSddeF3JXhpebF69Xw9fYV+zYAVgV2CqYPxhT2GiYfViSWKcYvBjQ2OXY+tkQGSUZOllPWWSZedmPWaSZuhnPWeTZ+loP2iWaOxpQ2maafFqSGqfavdrT2una/9sV2yvbQhtYG25bhJua27Ebx5veG/RcCtwhnDgcTpxlXHwcktypnMBc11zuHQUdHB0zHUodYV14XY+dpt2+HdWd7N4EXhueMx5KnmJeed6RnqlewR7Y3vCfCF8gXzhfUF9oX4BfmJ+wn8jf4R/5YBHgKiBCoFrgc2CMIKSgvSDV4O6hB2EgITjhUeFq4YOhnKG14c7h5+IBIhpiM6JM4mZif6KZIrKizCLlov8jGOMyo0xjZiN/45mjs6PNo+ekAaQbpDWkT+RqJIRknqS45NNk7aUIJSKlPSVX5XJljSWn5cKl3WX4JhMmLiZJJmQmfyaaJrVm0Kbr5wcnImc951kndKeQJ6unx2fi5/6oGmg2KFHobaiJqKWowajdqPmpFakx6U4pammGqaLpv2nbqfgqFKoxKk3qamqHKqPqwKrdavprFys0K1ErbiuLa6hrxavi7AAsHWw6rFgsdayS7LCszizrrQltJy1E7WKtgG2ebbwt2i34LhZuNG5SrnCuju6tbsuu6e8IbybvRW9j74KvoS+/796v/XAcMDswWfB48JfwtvDWMPUxFHEzsVLxcjGRsbDx0HHv8g9yLzJOsm5yjjKt8s2y7bMNcy1zTXNtc42zrbPN8+40DnQutE80b7SP9LB00TTxtRJ1MvVTtXR1lXW2Ndc1+DYZNjo2WzZ8dp22vvbgNwF3IrdEN2W3hzeot8p36/gNuC94UThzOJT4tvjY+Pr5HPk/OWE5g3mlucf56noMui86Ubp0Opb6uXrcOv77IbtEe2c7ijutO9A78zwWPDl8XLx//KM8xnzp/Q09ML1UPXe9m32+/eK+Bn4qPk4+cf6V/rn+3f8B/yY/Sn9uv5L/tz/bf///9sAQwACAQECAQECAgICAgICAgMFAwMDAwMGBAQDBQcGBwcHBgcHCAkLCQgICggHBwoNCgoLDAwMDAcJDg8NDA4LDAwM/9sAQwECAgIDAwMGAwMGDAgHCAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwM/8AAEQgBSwMVAwEiAAIRAQMRAf/EAB8AAAEFAQEBAQEBAAAAAAAAAAABAgMEBQYHCAkKC//EALUQAAIBAwMCBAMFBQQEAAABfQECAwAEEQUSITFBBhNRYQcicRQygZGhCCNCscEVUtHwJDNicoIJChYXGBkaJSYnKCkqNDU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6g4SFhoeIiYqSk5SVlpeYmZqio6Slpqeoqaqys7S1tre4ubrCw8TFxsfIycrS09TV1tfY2drh4uPk5ebn6Onq8fLz9PX29/j5+v/EAB8BAAMBAQEBAQEBAQEAAAAAAAABAgMEBQYHCAkKC//EALURAAIBAgQEAwQHBQQEAAECdwABAgMRBAUhMQYSQVEHYXETIjKBCBRCkaGxwQkjM1LwFWJy0QoWJDThJfEXGBkaJicoKSo1Njc4OTpDREVGR0hJSlNUVVZXWFlaY2RlZmdoaWpzdHV2d3h5eoKDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uLj5OXm5+jp6vLz9PX29/j5+v/aAAwDAQACEQMRAD8A/fyiiigAoo3UFgO9ABRRmjdQAUUbuKTevqPzoAWijcPWjdQAUUZozzQAUUgYHuKXNABRRmjdQAUUFsUbuKACijdRmgAoo3UZoAKKN1GaACijdRmgAoozxQDmgAoozRnigAoozRmgAoozRuoAKKM0ZoAKKM0UAFFGaM0AFFGaKACijNFABRRmjNABRRmjOaACijNFABRRmjdQAUUZozgUAFFGaAc0AFFG7FG4etABRRmjNABRRuHrRuFABRRuo3UAFFGaM0AFFGaM0AFFBbFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQB8n/8ABVD4s6/8Mvh/ocejahd6XFqV4Ybia2kMcjDY5CBgQRkivzC8ef8ABQ+88M6/c6Td/EDxpHfWZAdPtVy4RscEMG5yK/Qz/gtVcSQfD7wiqttjl1Jl9iwhlYf1r8WvjN8O9Y1j4iapf29m0lvcOpVwy9lXOa5cQ5qF4Rvr+lz+P/FLGVqnGdXCVMVUp0404NKNRwV3b9D2i+/4KL61eS7rf4h+OVGMYF7dL/7NVaT9v/xZPH8nxE8bv9dRuf8A4qvnJ/D81iyo1vIHHUBBVndHa/62No19fLHX0rl9pV6xX3Hg4enUVlDGVv8Awaz6Dt/2/vGcTR48eeMflPT+0Lg7vTPzU6//AOCgHjy+zu8c+LlmV1O9dSmXao/h27sMDwckZ4Ir5/s9XsogC1wytuBG1T+tVrvxVp6SyM08m7vmM8mlGpW25fwPao0cT9nGVv8AwbI+zbb/AILI/FyDwn9kXx9rFrf2rL9lki063aOWPoyyblJDDAIYZ3ZYECqJ/wCCz3xzjlw3xE1HGf8Anwtf/jdfG8/jHT8czMrckAxsDVO21221KX91MGkz9x/3ePpnrWvtqy6HsL+0ZpL65X+VWX+Z9pS/8Fn/AI5s3y/EXUcdv9Atuf8AyHVTWP8AgsV8aPEOlSWt58RNUMMoG4R2tvG/rwyxhh+dfIMcwhZWf5uvDjrWXqniOOHdhtuScDH8qr6xN7WEqeYT914zEW/6/SPotv29fHoif/ivvFYZm3F/7Qmyuev8X/6qzp/23/HcRVv+FheNF3DK41e4+YZxnG/14r5su/FCqh/eEn19Kqw+IcYxIrHdnGOT/k80KpO3vWNaOS1VtiK3/gxn0tP+3J48Hzf8LI8ab/QarP8A/FU4ft4/ECKLb/wsbxi2O51e4GP/AB6vmKXXljBXPzdcZ5xUcetb1/1n/wBal7WXU7oZTiP+gmv/AODGfYfw9/4Kp/Fr4YPK2k/E/wASBZidwuZVvBn6TB8fhXWN/wAFuPjwh4+J18f+4Zaf/Gq+DTqwJ3Ls59B1Pek/tNtuNxPPJq/bSR2U8JjYq0MXXt/18Z96D/guD8eo0x/wsucHHU6Vaf8Axqm/8Pxfj0oZf+FmzA46nSbQ/wDtKvhB9VMitjd25x2qF9UaNvv/AJ0lWn1NPZ49f8xlf/wYz70H/BcH49ZQD4mXBbHOdMtP/jVSSf8ABb349G3Uf8LMnVjzk6Zaf/Gq+CYL+W7nAVgzdOK6zwr8P9Y1e582DQbzXIzGQYYjINxKkKQV7qxDY74wah4rllytq51YXK86xSbw2IxErb2m3b10PseP/gt38fHWTHxSmXZ84DaZZnf7D9yf50xv+C3nx9P/ADU2fPoum2n/AMar5r0/9iz4valbR+T8NPGlw1wPkcaZJlyOu3AINcf44+FXib4Xaitv4m0bUvD13nAg1W3e2yfbcAufbNEsSormk9DaPDvEE9I1sU/SUj7Ab/gt1+0AW/5KZdYPcWFoP08qo5f+C237QZYbfihde3/EutDn/wAhV8R6hFNYXPlzBo5MbtpGMD1+n04quNQaF13MKr6xKSvHVHmvDZjSk4zxddNd6kvybPuqw/4LTftA3UF3NL8WJIGtoDNGsmm2v+lOGUCJNsXDYJOW+XAOeTSD/gtb+0U3zf8ACzplX0Gm2R/9pV8Opqredgt/D0x0qUXe3G5twcZGF5+tEq09mVzY+yti6/8A4MZ9wf8AD7T9op1+X4lSYXg40uzB/H91U1p/wW+/aGj4k+IDSf7+m2gz+UYr4bS+4yGbavBPTFOXUihIVi3rmp9vND9pmC0+t1v/AAYz7lk/4Le/tDF9w+IKwqvO3+y7Qg/mmaVv+C3/AO0Uw+X4iKueeNJsuP8AyHXw3BeyXCLEkZZwxcFV/eN3IPsKbJqhlK5KqqnBAFVGtUew/bZlHbF1v/Az7otv+C3/AO0QzcePxMyjB/4ldoM/+Q6hk/4Lb/tFSyMw+IUlvg42nS7PBH4xmviEX5iYLlo+cYIINRnUdiN+83Kx70vbTRHtsyev1ut/4Gz7hn/4LYftFPGv/FwnUf3hp9pk/wDkKlH/AAWz/aKijw3xCdmzjP8AZ9p/8br4hfUFkYf3WHGB1prXv7hGVlZZFJPTK84o+sS6hzZg/wDmMrf+Bs+1x/wWv/aPjGf+FjSc9jplmf8A2lT2/wCC3n7SAxj4hR/L/wBQq0/+N18Sm+8qNQHj9OD1p0955dwqOyMSAxKnDLnsfcU/rEi6eIzFP/e63/gT/U+3z/wXD/aOSNceOo8r66Va/Nn/AIBXU/Dv/gv1+0D4Ou2XVNQ8MeJIxkhdQ0wRnkcANCyfrX55/wBorOVkztXOFG771SHVkRWZifM39MnBHTip+szW1jeOMzKMtMXV+b/zP02X/g5D+MTyHb4X8Atjqvk3GV/8jU5/+Dkf4wBlC+FfAf4w3H/x6vzFGoiRtitlF6DOCffNSHUcx7VY7uvB60fW5mv9qZq/+Yup/wCS/wCR+m7f8HI3xgUf8iv4B/8AAe5/+PUsH/ByH8YJGO7wr4BwD/z73P8A8er8xzqIc7do2t/00pYtQDKdzcemelCxcmTLNs02+uVP/Jf0ifp23/ByD8XN/wDyLHgT3H2e4/8Aj1OH/ByB8Wgv/Ir+BWyen2e5/wDjtfmLDKskhyXVV6fN1NXrbTby6iVltW2sNysHC7h7E9ameMcdZ6GuHxGe19KOKqyfaKTdvlE/TKP/AION/iymS3hTwO3piG44P/f2q8//AAcc/GASfL4V8BqPeC4/+PV+bw0nUrfcslrIm4cFmFKfC2rNLt+yzMzfw5545rOOZw7r7zrVHiNautX/APAP/tT9Hj/wcgfGJV+Xwn4Db/t3uf8A47UkP/ByD8XXjy3g/wAD59fKuOf/ACLX5l3v9oaZOY5Y5IJFGdrcH8qbHqcxX743Y9a3ji5ON1Y45Zpm0G4zxdRNd1Ffp95+mbf8HIXxej3FvB3gTGcY8q5z/wCjKe3/AAch/F53Aj8D+BWGOpFzz/4/X5kC/uCGXzsqOTz0ok1aSTy/3mNvAyetJYyT3KWc5stVi5/+Ax/+RP0/g/4ORfis8A/4oPwa0mOQpuMZ7/xU4/8AByR8UIgmPAfgwtt+dXe4UnPphv51+X8WpzKNn2h15yMMcCppbyVGUvdI27BVQ53EMMg5HHHoean63K9kaRzjN9/rc/8AwGP+R+nEv/Byd8UpTtj8AeD146mW4bcfwNWH/wCDkr4mSKSvw/8ACSNjp5k7Af8Ajw/nX5b/AG9vPX95tGMkninJqci5PnSdMGq+tyWjRMs6zhq/1yf/AIDD/I/USX/g4/8AivFp0Nw3gPwQUkdkCpNO0jFSvVd3y5BOPXFNP/Bx/wDFZLgj/hBfB7RbRji5U59/nr8vRqbxOrJcN5kg42/e44xUkerz7tkcjbW6g5qvrUuxNTOM3X/MZP8A8Bh/kfqA3/Bx98VWDbPAfhFew4uCSf8Avump/wAHHHxa8vDeCPBauAOq3I5/77r8wBqtxC/+sbKnpk8Zq6dWm8ofvtzHr7USxUktjH+3s2g9cZP5xj/kfp1Yf8HGXxWLfv8AwL4P46mMXPP/AI9Wx4a/4OLPiBBrEf8Aanw70G6sdvzrbTTRyv8AQtkD8q/LGLX7kj5pGX33VN/bNwp3ebJ/31U/Wp9iv9aM1Tv9bl/4BH/I/ZCP/g5A0llH/Fn/ABD93Jxq8Z5/79UJ/wAHIOjh4lk+EPiJTJnkarHwP+/VfjumuXg+5cSDb1Bc1DJ4hu/M3LNJ83JIkPJ7UfW59jsjxdmltcT/AOSQP2QH/ByDoO9v+LS+IdqnaSNWj6/9+qe//Bx7oIZB/wAKn8QfNnOdUj4/8h1+O154x1LVGDT3khweCo2BvqF/maSTVZ8r+8k+Xp81V9al2/H/AIBnLjDNI7Yr/wApx/zP2Nt/+Djnw/N9/wCFWvxqO51aIjpn+5Veb/g5M8NWbKsvwu1yNpPu7tXi+YZxkDy6/HtdRuC25pGjXncQ2eMcGv0O8DeN/GH7FP7Gfwh8Q/Bn4N6b4w1j4laF/aPijxbc6bLqjNcrM/8AojRLlkCKpAOAp29zmnTxE5PVHfludZ5jXNrGqKik3+6i3ulok3fc98sv+Dj7wte36xt8NtWijX5nb+2Y9yoPvHb5fb0zzX6PeF9dXxJ4Z0/UVikt1vraO4EUi7XjDqGwR2Izg1+Q/wCzt8dfiJ/wUM1bXfAfxw+DOi6b4Ek0e61CfxV/wj0uk/8ACMPDGzJceY+PM29AgznGSCAc8f8A8EvP2wfiX8Rf20/ht4d1r4j+K9e0Fry4tFt7jUJHhuIY4JdhKdGBAUjOcVtCrdnr4PibE4GtRhjqsq8cRNQh+7VPlaevMr3a1VvQ/bjNFC/dFFbn6cFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAfCX/BbueQ+B/B0Ybaov3fn7oPkygEn8a/Ij4k/Fr+yvEtzpDWsgktTsdgwxk8+lfr5/wAFwYkt/hR4XvCw3pqRhEZ/iDRTZ/KvxN+Iay3/AMU9QhTzP3kiKSOTnYK5q9acIWh3P498Ssqp4rjiv7aPMvZQa9bWI5dUk1a+MiqI9x4zycnt9auX/hTUlsRcT+ZawtESry2zhW5xgNjH416h8E/D9x8E/F2h61eaXcX2oajh9NtzbCQeWflkk2v8uccg+tfWXxtPjD4X+ALPxtqXg/xAvga6lWCe9vI7ee3j3NsXfGhJRS3QlQMnrWWHc5/HLU+syTw+o16HtpJ6dtbffv8AI/Nmbw5LLa711CBjzk7T2681j33hG6MspF/b/u0LsCpr6s/bh/Zv0eH4VQ/E7wZHHp8OE/tSyiYCFt4GJUUfdwWBI6YIr4zfxXdXE8mBnPyk+1TUlVhLludGL4aeAqJNJpq6fcu/8IpeX95DBb3CXE9xIsUMaRM7SO5wqqvcknH1Nfor/wAEyv8AglZo938Dta+LXxE8PjxleabqVzpP/CNz5gj0dLcfvZ3XOZJt3CrwFA6E9Pl7/gmdobeKP2qrG4Xat5oGnXGrWEjW/wBoSC4j2BXaPo2A7Yz0ODX7L/8ABNaNo/2Q/iKt7HCV/tPU5XQf6tsx7m+UdQTn64rGtWqclkz9E4H4dw80sbXipatJbpba+p8raz+z9+yLrdhJHdeF47C5ZtxWO6uvMIPXDZO3B464Fc4f2N/2Lbu7CzaRqCrHGSUbWL4+afdhwPx6189/EXU/7K8dzMohvJL69knjjkTIRG/hwDgqCeBxjjOaxbe8a9lntVhVWEbSRBxtWRlZTz6DAPHvXmU8RWavdH7BLJ8uvd0o/cv8j6fg/Yz/AGJf+WOj/uzHjy7jVdSZw3I4wdtI/wCw/wDsetcNH/wiUcka4Kzpr17GT7Abs/0r5tsn+x6nbzXwvILOe4wsiAjcQMFVPQAFuh5q3qE91ZagI5Lpks45FRnOVcgsV3Y5PJ9q19tW3uL+ycA9qcfuX+R9H2v7FP7HsGgyWs3hqFrVmM4lOqXQugSfurMrE4B4weKrw/8ABPr9joBI5tF1VZBlo5D4hvWZDjOCRwTivm2W8lvvEc1iLoXv2WQgzxTDyxyu0gfjgkd63I9aEpmtbmb+xZ7XzZpftd35kYlT/VxoUG4MwXoeWJ/Cp+s1luw/sjAv/l2vuX+R79a/8E/P2MFhjjuNN1eO43BJNviK8HmZ+YZ45A68VYvf+Cef7FsGX+x6lGsZKn/ior0hunO0Lnd/Svl27F1epa6nNqUUcIIlurSK6Ed0oQrlmReVRt52ucZA6A8U3WIdWn8Q3mpWqvb/APCP2ovjiYrBNjZyd7fPuV8EYyW7VX1qta5P9j4HZU4/cj6I0v8AYJ/Yv1UzMq6tcMuUCwa9fqwI9mToBWgn7AP7FMqFYLHXGbA+Y+JboM3t9yvmvXPF/wDxN2aG3VI5YY5ow6bGSB92AcD7wYck9awb/UL0Xl7btbSK0bCaSBWLNEqbXLE+nP0o+tVti/7FwH/PuP3L/I+vNK/4J+fsa2e2aGw8Sr8oDkeJrljCPoUI7d69r+E2sfBn4P2f2Pwx4g1jT4VaOXddXouGjRF2BQ7JwgAHy4x9etfmxpniGfSddF3HPdb45zzn5It4HIXoRg55/umn/EvxbNc+Jbi8srmSwgvmdhbpJ8qrklVxngEc47dK7Mto1cVXVFNJvyvsrmeI9hgsO5U17u9lou3Sx+sNl+0d4Jtvntvit4mTzBuymrSRwgjrgeWQPpWP8TvGfwR+OMljceNte0/xZ/Z6NHE99IJFK46OGiw/XuOvINfmD4OWbXbO8uJrh7i5JbyUkYqdyqpyFB6Yz1q9ZamsqW+2FLK3hRGdGl+7wQxHGG+YqfxxU46NXD1nQUlK2j00v8zbCunVpqq4uN9Vr+p9Yaj/AME+P2L9TzPNq2pXHlsZY44vEs6xwqzE7Anlk7QeMZwAPSsuH/gmN+x1OGMd94o+9lkXxROAB/376fSvmD4glrxdH1LRYfKbUFFreQrJuEN2kYyFI6B1JbHQHI7Ve+HvibU4Lyey1CykkkhgFtE5lJ8tyCwPHUcgY9q0lTnTwkcRzx1bXKrJrz/rujhlg8HiMXOFWjd2Tcmk7+R9Nn/gmH+xiJcNdeIoVwCT/wAJZP8AKSM8Dy88+h4py/8ABL79jm6eNf7U19Tg4iTxbKePVsRfy/Gvm/Ur1rSeGO68lZ5oXiVoXKiOUDOTxknHbtXEWPiWTU0k8tmlbyypVQdwz/dx3zniuL61WfY6FkOXf8+1/wCAr/I+ybL/AIJgfsZiBmbXfEPTaGPilxsP+z+6x+ec1JZf8Epv2N7k/wDI0eJIl2lw0nioqsvOMZMHHtXx3pWrNr1q8SyTW/nhXfzJCig4Izns24fmazbfUptd8SeS19JMkbEDz5iFYKN3P/fP45r1Mvw1fFQqTclHkV3pe+n/AADz8dgMsoShFUVJydtkv0Ptr/h1V+xzYqkn/CSeJpfvExP4pb5wQRtz5I+tU7z/AIJS/se3EEm3xn4ohncBInXxAGMB/vKrQ4bHT5s+1fG41qO/tFmUzTM1wYwBI4XBGQR7U6/8TzDTWkWGaPy2JIR8sMHaR0rzPbV72djulkuWW0pr7j7A/wCHUn7IsUCx/wDCZeMriXCoHHiNV3npuJ8nC/nUo/4JKfsmzSwtH4o8byRZxOH8SIp9hkQjP4V8VaJf3V1fK0ck0iW7Bzvc4I3cbj+Ndxq3iH+xr+aG3mkaaEpMWWT5SzdFA77e5r0cyw9fBVVRlJSdr6K1jjy/LssxVJ1FRUVey212Ppi7/wCCTP7Jt7ds0PiTxxbRxvglPEKMsgCju0GQM8Z71Vuf+CVn7JaS+bF4m8fbc/6pdeX5gP8Ath6180634k1S/wDB0N9b3TL5s2ySDefNWRhuOQBg9vfms/RfGNxp/hi5aa6mhEbb1dZCH2naNo74z6c+tYctX6n9a543vbl6+pX9kYD619W9grWve2nofUif8Ep/2T7mJT/b3xEh3Pgy/wDCRR5Rfp5PK+9aCf8ABJD9ku5RTH4q8YQyMo3Z8QKYzgctzDwT9ce1fMmlazeXeiTSLqGoR2sh8mJQcFCORtzzz3pLvXVhewikumbczRsWmy0b5wXAUncu0Y7c15/12v5HZ/q7l1v4UfuR9OWP/BIH9lG8kEf/AAmHjwsqkkt4gi349f8AUEYqaL/gj3+ya9qCPGnjZgzkKy+JYu3b/UYz7V8wLcXb6mhs7v5Z0SYLMzLG4XkjOcqPelg8XanfT/ZY9QikaSdY5ZImbaXIYHkDqSP1rT69Vt0D/VvLv+fUfuX+R9SN/wAEcv2TZJAF8aeN0d8YV/EsHy+/MHei+/4Iufspsn7rx943hkHQHX7fk57/ALmvleDV73TdUmsftxuo8t54jkdfs7hegc9xjp9a5vXvGuuiXmcLGyZ81bgszkcZJzwT7etdWBliMXWjQp2u/uOXF5LleGpOrOkrLyPtQf8ABFj9leOVd3xA8YybSQVHiS2+fsSp8ngA023/AOCJv7LLbPL+InjLbuKgHX7XbkdifJ5r4kuvEdxo+h27bJ/7UudsyXq6g48tBu3hkxg7iV6/3Peup0D4hXk2lQzXn72OQldxfc8YRc4GDwM85/CurFUKtGj9Yi1KPM4vSzuvv07fkc2HyzLatX2EqMYyspLZ3T+W/wDVz60/4cm/sxwTx7fH3jDh9uTrtqdh+hh6dq0Lf/gi9+zdJN9qb4keLMAFlSfV9PeJCBjndB8ufTIr4rm8c6p4q1n7Os0gjijfYTKwYnk7c9SxIxngCsG98ezW2rSKt1eR2cc214Vmb5QD168Ejrj61r/YtWfLCaXtJR5lFxvp5vo2a4PEYXB88sLHlhzKLcbJt7Xslt816H6CaT/wRt/Z50MSSWvxI8SQ+dbPan/iaaa3yNjg74iMHjGOc1CP+CLX7PNvM0q/E7xpuX5cRajYR4J4BBEXNfEv/CWtPrtx5c0kNgyG4gjM77R8m4Jk/Me3J703wZdDxPoGrT3dxeT30LW5tYlnZA0ckpSQ/VVIP4VxYXLVUpTxU4RUI2vom232Wnz1PYxWZyoVI0YVJOUr9bWS631/I+3PEP8AwRt/Z78QaVHY3PjzxZdXMcv2hbr+3LKO4RWG0xFvL5U9cbevess/8ELP2cb+KXy/H/jm35BDHW7MqSf4R+65/CvhvVfH2p6VqxtI9UumhtZVWJftBAJzjg/41pXfjy+0my8tprnK3Iilm84llJY5LD2PenjMLXwVX2DUejTStdM86GCy/Mf9qqxTm9G2ru67s+3E/wCCHP7Ps2mxw/8ACVeImW3BC3KahAlxOO4chRuPp8o+pqqf+CD3wAW2kkPjrx0FmIG1dWtGOM52qTGSCP1FfF9/8SNSmjhulvrmXzGi+zQq7eY8jD7p556jp61a1P4rX8vieOxm1LUbW38oiV/tMhXJC9dvJIzjI4rl+sVVukX/AKt5Y/8Al3H7kfXh/wCCGP7PU91GF+IHjRVUbiF1yxZchhkfNFnn0GMU2T/ghl+zzctNJbfEbxxBG7/LCus2JMPsMx5r5M0/4p3OmafazNe6iXYPBsaQsHAbrz82Txx71b0vx+2tTWDu8lnIobPluyGQMOCfeo+tS7DXDeX/APPtfcfUn/Din4Ayvj/hPPGSyBAAkWq2YHbk7o+T9KdF/wAEIfgTFGxbx946Xt5n9o2OAc/9c6+XYPEVxFcTLNqt3aSwuVjaS4YmZepOMdOBzWtpHjC7khjb7ZdsLl3hhzcONrEAhj6Ads1X1qfZEy4by3/n0vuPoqL/AIIIfBOaZ/L8ffECbcOCLyw2jPAJxHluecVch/4IN/BXTLaHPiH4lXnlttZ4L+1jacjnDDyyBnOOK+b9M8Xao2j7m1PUDJGDMFa6Ksqg8gk88V6p+yb8ctQk+I2i251C6kWK7W3miabepB53HJ56dar6xNuzRP8Aq1lz1VKP3Hxr+35+zDY/sm/H240HQdWuNa8O3cDXeny3f/H5CgYxtFNwASrhgHUDcCDgV4/pDQyzN9skZFVCEPUE9q/U39tb4MaX8Y/B/jCw1K2WOaxtZdUsZkRTcW00UJlG1yMhHHDqDyK/LKNcRxkKqhgCNpG3n0rqtJJeZ+LcaZPSwOL56MVyTu0u1txy+fbxq2U2scK+8Nn6jqAe1SW1zMsqKoyWPCkcZ749KbbhhI/H17/z4rRFq1yI1gk3IvJVsK2T7VJ8RyxbtYq3UkkU7FVkX+7u5YD39TUQeQjc7t+C1Dc+JobK9mgkhm+0W7GNwVGBg4pqeLLWNv8AVXalecbAAKXLLojp+r33saFmZHfbtJHBHFan2VnO6sC18aWfmszR3TbuAQBV3/hYunwtgx3hXpwo4pcs72szjxGHb6o2hbtBsZlG5wevp9K9R+B37d/xg/Zh0f8As3wN4+1bQNLmlM/9n4SW2LHGSqyK236DAz9a8u03UrbV9LFxbHzFw2Bja+7uCfX27gV92WnxE+Gf7AHwY+Een6t8G/Cfxcj+Jmhp4j1/xJfwfaEkEj7GtLJ2VhuhRcGPI+YZ71pTi230sd2R4WvKdSpCt7JQWsteu22tu/Y8hg/br+Kn7Wt3ceDfil8br7w/4Nu7G6urib7HFFFdzQwl4bVhGqtmZ9qEbsHd0ycVsf8ABHK/L/8ABQP4Wq8YV/7QutwH8B+yy8V6b4B/Ya8K6T+1R4Z8beBIYfH3wP8AG/hjXdXsDewC4TRbiKxmH2W6ZgRvinK7WPQjaPugnyb/AIIzXf8AxsF+Fa7txm1C6Y5HIxazD9a6KMJRleR6GYYPFxzPLXi5czVbSTbd1eLVntbXTr3P6GhwKKB0oruP3oKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooA+D/wDgubdE/DDwfb7c/wDE0aQ8dcQTcV+XP7L3w90v4wft2eF/CXiDUrqz0jUrqWJBFGjYma3Lqig8ASMmCc5z061+o3/BcVA3w/8ACOW27r5wM9v3Mtfjr4q1q88O/F2XVtHmltdQ0W7t7yzuo/8AWW80YRkbHYhh34OK48U1GKk9ub9D+VeLsV7HxBrVJq6jTp3XdaXP3Q/ap+Bfww8G+FPC/jjxRBZ2Ok+BnhhZzZ7jd25ZcxsF+Z9xAIUe/avjT9qb9tL4eeIPDXjT4c+G7HVINF+Jl1BI1xPbPa2enQQyCTy4o3+9LKyoQUBXDtk8VU8K/wDBY3UPjxp2j+H/ABh4T8J6lp97Lbw6ra6rDusi5dUNwvOUVDucf3ct2rnP+Cgel/Bbxw/jjw/4X0PRfC95oH2Kbw/4jtLsyprASQfal8tXKkFCRGB1GT3rz61S75oPS/z/AOGP6OyvNqGMwsqmXyjayvfRryaOe8deAfC9v8H/ABJpOg+JLERanZyC7aMssdqVhQuxj5whMbBmTgFMjrX52eHvA0lzHHI0LhZD8pKnDDtx2r3ufxjdWfhS48P6eJLbTbrck00jYlmjbA8sZ5VMDHPOKzLWxW0hwkadPlBXHHtUxk7u7PyPjziWnWqQoYPVwvdra/Y9o/4Iw/Cr/hIP2uNQtpGWJW8K6gd7L1IeEbRn8ufwr9Xf2PvBcfgv9mLx5a7dqySXrMi/wDyWA98kY46gmvzl/wCCLFtHJ+1prtvj5n8J3asyLvcHz4Du+bjjj/dC5HSv04/Z8Cv8IPiVFM00ire36lgdzMhiPzj+9nrxVVLuKfkz9C8N60qmUxlLfmf6f5n4n/G69h1me/khhWCVR50aIDuUjCnB+pGcVQa7fXfGbTTRx28Lx+WI4cgZNuAcjuMjJ9811PjK702HxFqliYgJtJuWe5MkZWPbLlk2OeHyACwHQnFcbPdx2E4uo5vtFxepFOoX5dq7SvOehAxyOK8+i/c9T9aqfFYtaNrF9Lbw2zXCLZ7WlVZ3Hy5Ody8nrjGOpo8WTSL4j1VrzzVubALKpzuZ5A4OSBwUHGMe9Yrq0TQXC23mr5BgUtlVMiZ/eBsD34PWu+1D4G+NvG3hz/hIrO2tr6TWLFnKw3sPnSoi73UJnO8RozFPvBcVoF1fU47WoZI1vryKSRkmRVmOdqxsRuIGMfNxnr0rV1Fnv0tbtpIWkt7WEiOJ9wYxcnJHDNt4yTziqZhkuvDdxeRyB9PuEM0aoo/1kbIo69iJAfxrtH+A3ia20WGS7j02xjuHVT52oRR+U8mCsYGcltjAlRyo5NGiFzK9ziDAF1/UVhiM0l5G8iRsnzugZgVIB5GcY68CpdQvrqyRbqZbhRNbxxrOR+7ZcggZ79hgccV6En7Jvj2PxvPfRQaPMvlNZzI2px/KxQZRWYgMRndgEkBge9Y/jDwF4g+G2pWGma1pJjt4Q9uHd1aGFuWDNgnB9Mip5ovS4o9zD1DUft3hOzs7O2SGORA8cmFEj7H2sCx5OWycDpWTca+bi9+1XKXbT3EYtZZBgl0KgSKSeo24716d4T+Bfiz4v+DfD1xp9jZW0sYmS2NxeR2z6lcyMZP3W7HmE4yQg4GDwDXBeI9FvvB97dafq0M1ncabMLYwSLuHmoVLREe4J5yQQMjiq6hG9mmZHirw3caTfXti+IoZLfzw8gy3looVNoHqO1c22qSXttawbjcDA+YjGDgiu88WML2/s0ja4uZJIpLaFYx8vACqM+hOF9q5PXvDV14T1K2ivmjtZbWRJGO4SRxjPLEj05GK+r4XjGM6mMmtIRf9fcmfN59NyjDDR3k/6/M6PwGLhdevvMsdubUxSqxH3REUZgOxypP0q/pWjLqvg9biGRNvlOhdmCqCMMAc9+KydH1V4/EbSK++4nvDbkp1ihI+Z9p7dR+NXNN1WLT9NkiWFd0bP5MJQbkkQP8AMf8AeWvmakpTbqPVvVn0EeWmlHotPuK1p4gbTINSsWEf+lOrEkfJBIh3Bl9GYZXPTGfUV0d/4mutD061u7eFVlWNRIGXfg7QCxP9a4G08SyJrMlxGFRpSZQHUPn7xyR04qa58X6hrduGupIWViY2SNfLIKk4yvuuM4r6rFZbQWKw2FUFzWTnvr369LNngYfHVHh6+InJ2Taj/XzReu/FIvdTWSVYYfKcOpBLPgkk7QcgE5wfasO/u/7JlvvscUcEUmMIx+4c5xn3ps9hdWdxFdmGTy1UEqWC5B6HB5qjJuvryWRolZ3UuBj+IDIHvXXHA4H22IlyLlpr5Lpp56Xv3djn+tYv2VBKb5pv5vu35bK3bU6CysY9S8GzXkqxny42VXR8eayuAhPoQC3HfFUtFcWkrXT7WIRCAP42LhcfrT7GBdJ0W+ikFuzXkiyBgciM4zgDsKSIRto1vIsiwzIdqyqM7G3DGfzA/CuXCU40crlKX/LySWm7Sa0Xzv8AJmuKqSrZiox+wr+Sff5K3zQuiag1wZLSSNVVSzBSNm1hxyfapfElnNZSXilrhZrOceasakqEIX5c+uD1+tRaHMqzXfnD94IXALDd1wvX15Jqa/1GZLSbc0dx9onL74zu8wKuDn69PwrbFZfQ/tOlhqULWtzW27v8PzJw2NrfUKlerK+rt+X5mNby3F95m1pLdfKJyPvMQN2M9Owp8mtzeIdZk/estw0QbBkPT7230ya1LydbW0s42hYbs8sAFfJwCO+cenFE9xHBZ28tvbLJJHbOAoOSzICowenIGSanOrwm69SCfO3y+Sjp0e7/AA9b2rKLTgqUJNciV13b17dPxJrX4jX2gWz21uqwq19DcAyHlggB/Ilc49Bim/25dzXkbQWkfk3lw8s0iL8ts2WY9eobjp6is24ddThWO5kWNpW3O5BKqOT9eM/gKuXHiC082SxhWOeW1x9odSQw6ZKk8spHGD0FZ4jK6c44fC04JTmryfl5/j9wYfMakJ1sROTcIOyX6HZQ+K7nxAuoQ2DW9rayqsrBl/1DBeAp57546fhXKz623iO6jkuWYmOJlt1hURrKw6dPTB6Vn6X4gutOtbi1tVAa7QLux94Z6/lWh4HmsbvwpeSC5uILu1YOsZj4k52sqsM4O3k7sDHArlxNHB4ejVpyir6KH81+sn2TtodmHqYqvWpzUnbeVvh12ivPuWb/AF6STXo5I7WLzFKlCWcfKVwVx/8AWNX/AAd4ii0LSLiCa8+03TXG+CCFNvllWBVi/wDEOSAB6ViXGqNf2cd8wWWRSY5SBtSPjgj0AFVNUgurK8t7by1toXto5mTJ2yHru9cnqOwr0v7Nwqq4eg6a5pJOSV+2t+tlZ6dX5Jnnxx2I9nXqxk+VOyfbXS3m7r0Xqdjo3iuKbX7jUppJvO1B2S5CLzKGXAI7ZBBzj1pninwlDL4ekv01BZZrWXZPH5RTyg3IPoVOBz05rm/DNxFb+G5IywW4s7kurueSoK/J+IzitDSru+8U+LGhhs5LmbVAkMVuoP7x/lCgY6muGjSVDH1cXQVqdJv530sl5/gdlao62Cp4atrOol8ut36fiYaeXPZxWtxIlrGZDGZXHCr1AA7/AIdK2tT0uK10ySOxi2ssZaSZp/MaVVBztXpz3xzWL4pspNI1BtOl2rJZ3LKMnO3jkMfUdKUXNzBpqFdzfOfn3fxFRuX6Ywa6M5ws5ypUcKv3dRuSX9573+/TsjPKsRCEalXEX9pBJN+S2t81r30IrG6uNKvLW4aMeZbMsiqBuEmSDj6dB+dU73SWkgkeGHYJ7htsmOWywH6A1ev4kudOlujIjSyFcR5+aIgHOB7sM+2agnim1O5s7dbi3gxdCcyOxCR/KST7A4r0K1fnws6tBr2tFcrduml2tfLR+TOPD0+XExp1F+7qPmS81sn96uvQ09M0+aXwra3jukcjyG3AY/OEUbR7YOKsfD7Xo/C/jiH7Ta/a4NzxSQ7vL3AocAE8DDEHn0qjFEtlZLpeIxEtykyzBt2Aew/2Rk80zxHdw3fiiOGGGGO3eKJoZCfnY7RuyO5zxzXLkdGNOmsJi9q2qXa3Vvztp6FZxJzqPEYfelo369Pl19RNJsVnv5LifcbiznAUnGM5bd16nIq0sLTDUG8yVYZbgSKh+Yujuh59/mo8Jbrq4ulaMBrlOMINmcj735nFOg00W1/HZyKEa6tmiCu7KFKp8pYjr9wEY9RXz+bVKksVNV5e8nby07eR6+WxhGhH2S91q/3hrcsmn2UEIh8vEZt2BPV1HLD0PA59RVHU5RPFabnklup0MUqvEV4243FicEng4HpWpfWi3Hhvcsiv5EmFZQWDhiSxz+IPPYiqmm6av9lWt4zLKkcssWAm4qTyo98+tehDC4epgKVeNO8uezWvveWr9Dl9vWjjalGU/d5bry8xvhm9M1u0cjS3KWIE8Sk5KhRglgOg5Bro/D2tS3Qjs4VtHUXbTO7Dd5RLHKq3bC4xXO6fq91ollI0K+S90jxx7T94NtzuHXb/ALPTNRWs9zbS3EsElxbwzDy55IwCQhx68Z4PTnANb4fDYOccViOVezjpF6+ja1t1TS6uxlUxGKjOhQ5nzPWS019fyZ0WufFOSO6vbWzWC8WFSiTumWiwxLc+pHWk8I69dza1p9hMrRnWVKQs5wqldxQgDkdCv/AhXIXlw2l6/eQgfu2kYSgIMMMDkfXIrq7jw7dWCWMc7eVGoV0ZsMF2nlmwCeN4zyK4M3w+Ho4OhKnC0pXfnbpf1VunoejltavUxdVTleMdPK/W3zOr1ltMtdI8u61JppMjzXRSFJz9315Fd9+yxosemfEnQ5LO4a423cTFZBjJIYhQR1HPWvPPA9+lzoNxayTWbtFvSQJz5ioVxJyM7XyeOvFelfszM0fxl0NVkzb295EpcrtOD0A7bR0r593ie1o0z6K+OsJl/wCExXYZ5DodwXULuy32Jx0PI6V+QGnMWgg/d7o9oOT9K/YX4+wNOfHGPvNokvlID8wP2N2zxzzX4+aS2yOPpsZVYeg4r1KnwxR+IeJEfepNef6EiqrTyH7vpV6yTZKjMvzbh0PXmoLcr5nX9KtEn7RD2O4Fa52ui0Py+LalqVNC0qw1n4talHfW8k1oJppDGknls5Hvgjv3HWvT73wb8M7WWC3h8H+LLy9um2W9pb6kJJrlvREWPcT7V5L4UvWg+LV9ID+8WWXkezDOa/Vj9ir4N6f4R+HGm+NPJEvijxdbG5a9K/PaWu91WOIn7oIQ5KiuPFUcRXxtPD0ZuKcbu3kfu3hzlmUyyavjcxw8aslNJXXdX+SPgmf4ceBfDsTTeJPh38QPDdrnYH1C7SEOe3JTAPtVr4l/BT4dz/AnWvEXh6z8Q2uoaTPBHsvbtJI5IpN3zKVAII25ORiv0W/aR+GWnfE/4aakb3T7W+uLS3a5hS5yVnCDe0Tkc7XVdvqOMV8L/tAeHtD+GXg/4seGfDt1eXmhafqNlJYPct5iwwyoZVgBPLeV5vlktyTGTXNjMPi8HiKa9q5QlJLz3PqMdkuQ4nKMVUpYOMKkISd0trLSzufOvwskaDQb5goZmnDc4XOUHHoAa/Rb4b/CfUv2of2FtL+E3w3+OnhTxPdXXlanc+DfElmbPUdOuI3WR7ewmzlIQx3HKnJyQVDED85/hQ6Q+H76QjA+0AglufuAgZPrX2X8L/8Aglb4w17wba+K/GnjDwb8HtHvLZLzTbzWdRxd6jAyKzNAUYAYRl+Utuy44wTXv+86kkle5/PPDcsQsRONOk6kXG0tbWT89l8znNF8YfH7/gnJD4i0G60m/wBL8Na7cGxvf7QtTeaNJckBS9vOMIsrKSNwIDLkEGpf+COcS23/AAUe+FqDBUaleAEDA/49p8V7v4s/4KMfD74B/BO8+HfhPxj8Qvjp/alh9gTUvEiRQabomIzGsaI0YkkUbi4xuIwMOa8L/wCCP0C2H/BSD4Sw/e/0685Pf/RZyDWtOKUtGdmOo0aOaZfRoVXJRqJ8t78l2tLrc/oaHSigUV2n7kFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAfCP/Bb6Xf4C8Hw+Xu237yE+3lSDFfk3458I6Xd3c95Jax/aZDkvuIJ28Cv1a/4LjyCLwb4Qbdtb7Y4HPX93JX47/ETxhqH/CW39qt5ItvEVCRgDg7QT/Os61SnCl76vd/5H8Z+KGDxGJ43rqhPl5adN3u1pZdvOxz+tf6LeSLHO8f8e3J7f56Vz2u+JtSs7YeVf3kbZJRFl+TPf3rs/B3w+1D4reKrbR9Ksp9U1q8z5VrCPnYAZZj2xjJyeMV1Oq/sXeMo/EmpaLc+DNYXUdJjjluYMjeqOuVxtPOR2HWuH21L+X8Ee1k3D+aTp+0pqUl1tdo8Gn8f647/ADaxqBlwAG80fLg9yefyrLvvjF4khlVf7b1FmhGCwdeg6beOn1r0LUPBmgaTfTWd5pdxb3Vu3lywzyukkL+hXORWFrPgzwzmRls234/1gnPf0Ga0WJo7OH4I9jDxjCThUWvpqfY//BvL411fW/27dWfVry8ubeTwRqssDTqDHK6ywBirAAHG7B9Ca/XL9mC9nvvg98T5Zm2n+1NQ8kbdojTyuAv+yDnGelfi/wD8EIxN4B/b81j981xp83gfWFtow2d8mYHCLnhXOzOc8471+xP7GWoR3v7NPxBmjmuLh5Li+lcy/MwdoSSMfX0rnxUoykuTazP3jg+EFl8PZ7Xf5n5E+Ot+o6te2MxYx3E0kMrbflTLEADuxwOKrfDzwtpmu/GrwpputSLDo/2xbK4uJv3aELu2K3+yW2A54wfas/xB4ruLnxffW8ka/Z3vJXdHGzc4J5BP3fUAVl+OLVZFgmmPmeTM6xyqv7qYMAw+bqWD5/KvFo35EfpFRLmdj681TTbXS7TULXxv9u0zRVtZ11NJ7eEW9uqxPs8ok4LeYECeXkkk4zWH+xVJpVj+ypql7qAW3vYPENrbWGoyPuj067mZVSRu+N2FbJHyE+9fKet+L7zV49JhvtU1XULGFCyQ3Du9vaMBtHloWwT36cGvZPCfj7QbP9ljxZ4P1nxMLO91DUIdRLm0mkERhTdFDtUYLNjO4E9faqjHlVmYyi3Zo6bTP2fNOsP2ipvtLSaT4Tt4pdfup3BMWnRRvi5hcgAFo5kIAAwQE7EVpftz+ILPxf8ADyxvrKNbKxvtUudXWyaPCxq+mQSDHAy3zYOTywNcP4x/azX4j/CNNOW4e21fXPIs9dkaJpIfKiXmYHOS9wViaRBx+6Pc1tfE/wAT6D498CaRaWvi7T/Ps7qN7eGXT5ZTKjWkdvIXOMnAjD4OScheKXtLbhyvm1If24ZoJPhh4HuZLiSRba9dYm8o4jLWVodmSAC2W5PPHerHwH8Sn4p/BOTSdeVJCt5eWUdzPlX8o2gdC7jLFopIz5ZPCh8dM1S+PviDwb8QfDem6bqni2S10/RLyS7tmstHfcXeKCIg7h/0xXGc431yF58WtM0vwAdB8H2uqMJYZdPkvb1EjZQ+fOMQBJDPtVSzHIUYHU0oyb1t+BUou1jvvjr4ynsfGXwptYLS7hstEvJSqMjL9kna9CrCkh6sI4kXcDxgjJ5rl/2xr823iu0uomW8ElsfNWdNpRo7m4iWTP8AEwRUBJzkDPNO8U/Fjwl8RZvDep+IJdYstS8LSi4ns4IfMS8m3JJujfOV3SAPuP3SW7GvPfi14y1L4m+KLrVZLf7NEyw20Fsr/LFEgKhSvdmyXc/33NaRk3IlRtsZ8/iZr200212hXh1VZl8pySHcphSccjAB44ya1/jfDHFqN+9xsV1t12rIpZSGmkBBHQHjvR8J7DZ4r0NZoVi8nVtNCqwAJTz1HAPr0+gr2X9vu1jb9oXxBpS2/k/aNCaUpIojVX+2XAwB0PTrX0WFzajRwk8Kqb97d8yT/JnkYnLqtXFRruavHZW/4KPlyPxRJa+LZri3X7PG8m9UYjc2duQQOPXj3rTs9Wc2F5bNYWkbQ3jTC7BkW4nEiAGNhu2lFyWT5eC7ZyMCvYvhX+wXefFTwn4R8WWvi3w7HHq0kenrYJBJNcPeeWWa3c42RMIwXy3y4U4JNXPD37JFv8Ur/wATX+j+N/DZj0e4RJkhhuZ5PJTA+2LGFDC3bJUHGc5J4IrL+0MPGMIUqdtU227t26bLQ0eGqzlKVWd7ppWVrX67u7Pn3SLndMWXcu9GiLYAOFOT+meOvNWNWv0e5a3ZwxtQYVfd/rFDZXHucgfSvSPGX7PFv8MvGaeHbrXtF1STy3m1ArHNCum+cqSIs4dd25U2vhez4rvviv8Ase6D8LdLs9S/4SfRdQj1ezRbeGCKab+2GkhV99vIwA2BWDGQ8KRgnJFd8s/prGvGKn0slfZ6K97PotjihlMnhVhXK19b23R498WbeVtK0O4jjWPFjHHMiOPvxMuCR1IMbqc9zXH28jRJcHbHu4Cs4yvIbIx2z0z7V7r8S/2f7Gb9nTSfHV9rUcesxwRx29hhPI1ANN5TQ7w5k+1IEMjqyeX5eOc14vJbpJeQ2dyr2sKBJBsHyyDJDMD7ZwBXHhc09nhamHlHmc3dt/1r+R3VsCqmIhVUrKCtZLUpwxvc6hDbMyyeWqoCg27gTxn1PJojv4ZvDN81qn7m0u8wnoWGMc/iP1q/oV7+5s7yS3k2iE9vmysgTdn144qC0hW6N9BGy27FnWWPB2SyLv4PpnrkccVpUzWLVCPL7tLpfd6f11M44C0q0ubWp1tsu25Y8I30wi1IokYLw7maRvugHd+Hf8Kq6S1q4jhaR0bfthUKWDZYg8/Qn9K9i/ZW+AVr8cbmxXUNc03Q5GtZi1reEtLerGmTFAg4llCq7AMQpwOuazfjf8INN+CHxeg0vR49QuLG1isdTtLi5VRMwuIkkOcYBwWxjnA61rTz1Rxc8Xybqy12fd/1sYyynmw0cNz7O703XY4PWL2PVLLS9itJLDaASYXhF/hP6Y+oNV7Szu9S0xbuxt55vsauJCrKMlcY4/3T06nFaHhTXPtt7Esce02s2zyxHu6M+ee23PQ9qtaNq39j+HXkKR/aFuslUPyyIYjn+Vcks2bwkcLKCbTvdvo3ex1xy7lxMsRGTSa2XdbHM2DxiKaR4luPLw0YHyEcDP6Z/Os+/sobTxLKFbdNLbx7st7YJ9+hrSv54fPVLeOaOOTbJNHM2Vdck/KOo4xVu8sLTVTptxJONzq8ixscMi4cdu2e3avSnxAnjY4uMNEtr62tbfocFPJrYWWHctXrt532KnhtIBcacyreSXkdy3nMrjZIpIZAq4BzxzyetaltFdaBZ3X2aO2WEhi6hdzfN8p57YPpUWpLFoXiTTBpcMkRaFfN85B8j7NpAPXacg5yORXQ6zY3uo2+pQtBH5ulkPdSAoVijyoLYz83zdWya8fFYnDyrKdKnZN3d3d73stEkvvZ6mHo11S5Kk7u1lZW+b6sz/hhoX9vajeae9w0EdxZzCMhBvJCswOW6D5CM1ga5erdXtvBbhR5dtHFIQT+8K5BPPrwMV0Wh3n9g6yt8sF35dnDF9o8k7JoUOdxUHOCc8ZHINQatdQ32pfaIbOJpriIfMjAL5iENlv9phye2c13U8+/4UHjZQ6WSvt+H9XOSpk/+wrCqVtbt23+RjeH7BrZ7m3uH2pM7SJLIMbcjaBitDwjd/2NqVjGzGxkhmys4+9EVOVb25HXNYmoTagJ51aaOOOCRJZDJ8wjDN047bs/hW9b2klqyqxWaGG9d1JH3lPGPXA4wDXLHMFGnUo1F7s7Oy0aa2t387+pvUwTlKFWHxRuteqfp+H3FPxGG1vV728mlmmhhmV5JsZ3bjjPr7VNrEf2rw7JdRr5X2N2kYYyioSFBHr/AEp+s3c/2G6sVVVmYII5ETDb2Odqiu8+EXw98P8Air4OeIdW1zxBDpdxbrLF9ikdPkKwlow0R/eS+fMEjXy/uMCW61VTOp+3pVqatGnZJb6dbvuzOGVQ9hOnJ3c3dvz6adkeRX7Sp5c0MnkyJkwKCOWVwOPqCTz1q3Dp08GqqPJaKS6hYruHzPtxnIHc8D860ZtGhl8SJGA0NrHbs25kLZk2IcHBwcNnp0qbS1ku/F0azbRHeqyxyMeWwQTg9vpRPNoxo1KVGLXtHeTbv8lp+JtTy+cqtOpVd+RWSSt83/kU9T0wxX6zW0ci2zRxrG8gyM7FJOeuM55qnc6aza7o8Q3K0zrGZW6TbpMDZntz1719Efs5/B/S/iN4Ps9cfXbaS8hv4rC70sQ7WsAUcwzymRSr7jG2I1HI5PNeJ63ereQfaJLqSe4ZipcoI88KQw5Gxs8AAACrw+dxU6dSpFudNWWujXRteXk9TnxGXPlqU6crRm7vTW/W3qZCW02k39wjKyycRuU4jYCRwCPQ5X8sVZ0pI9RbUr64aaa4s9rRjO5m3ts6fielJqN5dal4ltfLVmlvrcnan3i208/gOfXNVp5JNNluNQhkhVZkiVEIy5cBSBj0+U/nUVM0jVw86VWC55S5nLruv+G9DWnlsqdaFWEnypW5f6+8nbVmg8LSxqG2XEihBnkDZxgf8BqDQo5JpZI4oZJri3mVo1B4+4SwK45570tnHJ9rtrGVJLgKwEjoOImLYTcD1Hz/AIHpzUFjb3dtqEW0XEc32lY3kBwwKFiSPqQR9BXPHMpxwn1OOiu236q2nbz+7a5u8vjLE/WJauySXprr+n+ZLrWuxzOptz53k8ltgUjA5wO3OevWrnh3UBKNQhNwF+1QMmHTAcMvyuPTBJGe3SsCQ3Vl++ebz5ftBLNxGSGHAbHGfc1tX037iPy441EyrtU/wbkG75hzjOcYrOtmC+oLBwX2uZu+/wAvu69CqeBccX9ak76WS7FGxjZ7xZvJ3fvA5jI5IyA3+faug0rVmXxYkesr9ot7GN1G7hJN2Dtcdx8oPuTWl4U8L618QLWWPRdJjlhtdNlvZ1WcR+TFAoYnzH7naRjqTXP61oZvdP8ALRt4kjeQuGLNIdofDd/lzxjtWmZZosXyKMOVRSXfb7v69EPL8veGcuaV+Z37b9/M07HU7Wx1KObS4bhlZVU29ywKWu37m3PbLZPqBXsn7Il42vfG7TnnSF2juUMsa5A3Kvp1APvXhngjWNPvLWG4aCSS4s43xIScSZOcnPPQgDivYP2PLWbSv2j9ChAk26m2C7Hcs0ZJ2tn6Dp1rzZa7Ho7XPrD45zrHqfjJUW4WBtFn3Mv3VX7FLhMddx9a/H3TpGa2ibb83lgHPPav2I+M8kY1nxtDJuDLpcyoI8qMCzl6en41+OumuqWUW0ja0QIwea9Sp8MT8U8SN6N/736F+1mj+Ve+e/erblftMY77gBVG2eI787sp0Jq7bvG15FuKgF15J6c9a55H5Rc57Qhu+J+otn7rzH8ARmv0a/Yd/bm8J2PwusfA/i++/sW40p5v7F1WWNpLNoJH3tbTlQTGyvvZJMFcPg9M1+cutadrnw/8fX0r6TdxzXBaaJZ7Y7biCTlJBxkqykEEcYIqW3+KusWTn/Rre3kztbAbI/DPFc+Mw2JnXhiMLJJxXXr6n7DwXxhleVZdVwOaQm+eSaslpZebWp+q/wAf/wBrnwb4e+HWq2+ieJdL8RavdWpjt7bTy9zkkAfMwULH1JJJr4h8X2+39mXxxfzST3WoahfWkjMwAWYv5zOTnoRxj6V4rZ/G7XLNmWORVXuCx5Hp1pdb+Mev+JPC9xpYH+i3mN6Rq5B25wep5GT+dclbBZlicTCtiHG0Xsnpb7v1Pfx3iRw6sqr4DBwqc9SLV2lu1Za82xf+A2mx6ro2oKx3L9qALMvzD5B29TzXs2kfCvxR8a9XsdJs7XxV4yuIEENvDHHNqENpkY2JkMkeAVGBjHHpXk/7PVnJH4X1LfHNHI1588cn7vcgReATz83INfrPp8HxM1r9lfwfqH7Ndrb2Xh++spBc2cV3DFdWUwYidRE3LktnGT0x6ivZqR5qjW/ofkWQ5PHGOo5zcVFJ2iruXp5H5p/FH4D+Nvgbr0MPi7wf4m8OnIUPfWEkcbnqQJOUPBA617D/AMEoUe2/4Ke/CVWUKv227AHp/oc9fZnwDH7Sdho/i6P49tp9n8HY/DmoLqSeJfsy3sspixD5O3liGwAzYA6cnFfF/wDwSVikT/gpr8JPO3FvtNyVGc4xaTDmuujRUG2jWrlNLC47BVaXMlKqtJJJqzXbo+h/QsDkUUDpRXWfuAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQB8B/wDBdrdF8O/Bsi4ydRdT648mX9K/GzxLo11rnxSvbOziae4mnURRp1clV6V+yv8AwXWhWX4c+E924bb5iPQ/upK/M/8AYo/sB/8Agol4Oj8S2q3mn3moCCGNpfJjN60X+i72GPl80ICCccgd648UrpLz/r8j+WeLKEa/H1ai3a8Kau/PlRc8I/Cfxp+z7rGlrpJsNN8TTWkevXs+qKIxbxE7Y4Y1bhsYzk/eJAHFdH8Rv2s/jF8J/F+ralqOoR65rmvPbByLJDNeNGpeKM4Xd8qnJA5r71/4K865oPwU8M6DrDeHNHS68WWraTdXL2waezjiUSoIgfl3q3PzdRkZ4r85tE8bfDu81WOz1G9vtRsbtmupluUMBhu+QjJJu3Kv95twAAPavNlN05Nbn79l+BwmAw8sP7ZqorbO2nTSxxP7dvi/wR8Z9FsPFHhNvs/iyxtYf+EhsodzNKXCkyyH+H592ATnFfK8fiC5kTy28uTaxbcOrE19mXX7PPg2fx/8VfEWmXEDeCPDchdTBGqx6hG8Cv5DuW3GTcqhQQSxYjgV816f8J7qyRXvI/KnMSS9dygMM5/H0PStpzjJp+R8bxw8Ph6lKvO3NJa/5ntP/BJRb1/2rGkjLR3UOhXjRtn5kGFBr9mv2IHvNO/ZP+JDyMfty3d/JuI2kloc/wAycV+Y/wDwRV+Haz/th3cki/u7bwtqErEn5VGIl5796/Wr4G20OlfBP4jpaSRt5TXL+amSrP5GQwz1FZ1tEn5P8j7DgHEqrlkXHbmf5o/E3xNatZ69rF1NJ8ttdFpN3JY7ipLHt8351z+tazJdeH/sqbnW1IYl1K+ZkEbRnuO+K6Lx7Itj4s1CZmjuIdQu5DLGAWWUqwf5vxB/E1ztxGbaWbT/ACmjhvF+0PNt3llDHGw/wjkfmK82h8CP1KpG7IdfvItTstNWOJYZLSzV25yW2Pg7seowR7U7xBrrXGgXjMq/6O8ErKg4ywdGIP5damm0qx1WQraytDK1rIcq5ZVXqffseO1dVpP7PniPxL8O01m30k3ltfWLTQrFcxK0qwDe+Ezu3qqFimN2OcVrpuzHVHF/D/TdrzKhkVUcIqEfKcnAOfoa6CCVtOuY5F+d47lY2j7D5gpIPvjNVLS4l0vw6skbI0bYdDCM78qNv06ius0r9l7x5ugurix0+GC5niJ+16nBas0kiqVj+ZgfMxyUPzAckU2+xXLpeRy2uazNPHcae8bSQ26y7z1DDzFJJ+mMU7wy6a14G1aS02W9xZ3cM8UhHKgh0ZQO+SQa9Ot/2NfiImpXLDQYZZrZmgnEN3FyxGSMk8nODgc8iud8S/CPxH8CNYWHxRpE1vLcMbclgPKRgSzLnkbh1w2DjkcVCb2Zd4taHn+vKs99fW6xtMI4oyFV9rKTtwfzz+VSQ2E1taCSKa4O2CNpGBLNGAQoJ7EEY6eor0LSf2e/GHxN0y78RaToEn9n2tpNczXV0y20NzHboXcRF8eYwVGbA5YZx0rh7m+uLXwvpl/b+XbzLAwfYBGSA5PH+0QVxVkc19ETeDD/AG/4tZjM0N5copt53kCBWRiUO/8AhOcEH2rR8U/FLxB4++IbXvizX9R8RahdQi2uLy+ffKyKp2IOAMKw7dSxqt8P7CPxL450fTZIXOj3M9va3HB2uZJsAHv8yNjjvXr37cnw00XwD+0BZadpOj6bpdjNpSvHbWcJjw0VzcRB8/xEhR9cVVu5n7T3rE3/AATm+L1yNQvtJkRNSvxZHUNNhZtn+l6cXdAM8FmhaVT3I9cV1Hwh8D614c/4KQ3Wj6LbtJp82n6jbLa/KEubK8hZo4STwpHmRjeehTNfM/wt8ZXPwU+LPh/xHbb1k0PWI7nao3edHuUyZB45QsMehr7m+JV7bfCzwp438SQ6otxr8OiReFbK7fAuGtrud5bJs4+8IZuq8jyh2FToZ9bd9Dyr9rn4UR6t8YPDvk3k17qHiiKHSrxzLuY6jZ+XZSlmHAGzymBzgrubGKzf2+NetdM+O/hPwLHdeToPgDSrbQ8RBY1gnbElwucHIyYhu9FPSvevh1r+hfF7Q/BPirXbWWF7fTzr63qMshmvbRJYL2OYKMEGKFXzwRjJzkGvgH4wfEWf4l69ea7ctJNLrM016pA3ECRmkVAPVUKqB/s+1G+gRk1b+7oew/tCfse2Pw3/AGfp/Fkfi7/hI9Q0eCzuk+wbZLEw3ErwcSH5ndcNuACgFMEmuk+Dn7B9l8T/AIRaT4n1LxUl9LfWwsrS10fy5UsLwruMd20g42KvmOiDOCfmyDW14r1f7P8A8E6N1mBFNNo2nJFITjy0bV5Ad3rkMwwPWpP2N7ybQ/8Agnt8SJIXlSSzlv5fLQbiiixIc/UdsduK1lZLUz5m9F3OV+Kv7Itn4Jn8H6P4R1VdW1LXLiaKTTpnikOwYZblZISyiFsnG47gVOehrqbD9jDwLqfiXxH4Zm8YX0nj3TInm1OzsrdI7a3gRVaVxuGZvJyC4VgQueMg155+wF4hm8T/ABk1nz4pLua68M6hNbpAoEjSpCrFU/2zGXP1BNemfHf9qn4hfB/4wXGjaZpOg3WmteFdMT+xYpLi8s5c+WpcY8zKsQ4OST1HFTyuLVy/fu4o89/Z4+G998HP21fDvhnWZv8AStF1J0QRyCRXE1lM6uh/55ldjLnqHFVf2w7TUPGX7Q1jp8KXUt1NpWi29rGOWkP2OJVAPoWI4Hau00m28SWH/BQ3R4vFTabeeIA8Bu5rJVighxYMY4FjAAQRx+WmOdpUg9KsJNJqf/BSjwPYtHGpuNBsIrbAHlmZ9M2xAdMOG2kMTjnir3hp3FL4tewzwd+xn4Ji8dnwfrniO+Xx7qFpFqMGmWCqseSTJ5XnEbDL5algGwSCv94VwX/DIOoXv7QS/D03VqbG9t11O31YArDc6ewYi7IPTjKFQRhlPoa9M+Nn7THxC+C/irTbXTodLtfD+r21lNpTT6PHNPuWFQ0ckrfM8iSrIpXIIDL1BFRx6p8QrL9qXRdQ1DT9N8S6xqnhdZI/DcZjs4RojxTPLZPtx5MpUyFV5JYr61j3NI8ySknuinJ+yD8N/FmjeNtD0nxN4ivPEngFL2fUNNvoo4XPkqyfaFYL80XmgBlzkBlPGRXnvwL+AGm+OfhPfeNfFEt5pujeD4WhuFsIhJc3jCSPkbuAqeau49MMD0r6MPhHwr+1ZoE2q+GdQnsNS1ApoX2uXNrrVsZdiQ298i4S5t3k2o0g6BVB5rzT9mr4qz/Cn4U+IrzxDYXTeDbjxG1lBq1uqzTaFfSRbZVaA8TWkyptcDkFVo1toTzdOuhxn7VvwJ8N+CPhX4V8VeDb6+8TQ+ItQMNk7YRvLSJS0boAMOjjawzg5XFeFS+LI3vFtQrTNIoJQRjdEQwzuA/h7YHpX1P+2Z8BdHt/h3p/jDwzf2sOk6fLbagLPSJZF0q5jvGaKO7tkfmGZpIX81McdK+PZdNOneIWLXCPItqwjZt3OHUYP8+a2pxVmpdg5m1ofUnhD4J+CfCfwg0vxj8Q73WLWLxhdR28cWjxI7WURDussykE7P3bFVB/hxzWT+0n8DtN+CXxR0/QdEmbX7XxLpcF9FIJ0A1P7RKwhePagEaOoU7RyCSOOlejfCb4q2ul/C7wX4X8fWFrY6X4gsJU0jWVjF9pl7p8UjB7fU7fG9TC7SMjqchHBII5qTxb8HtN+F37UXw4k+1Ys7jVzo8sEt6bi3sp4fLASCVvma123MLRntkjFcUr3stjSm7bvc53Rf2UPB9p49tfCfibXdUHjbWrFLm1sbFVhtlJBdIJLnaUWUgZXcAOQDjdWXqf7LmlR/GOx8J3Hii30zTNdEVzo+qTrmbU1csotgigxrP5iMjEnCGPPQiuu/aA+M/xC+DcVnb6DO1vpd3ZwRGzOnRyMt3DGvnW8j7M+YJFLAMBuDrzxWS2j+L/ABF8ZPhPfeLNRtptRmntriC0toVtRpMUkzt5bxqqqjuyMxAyG3A+tONrFLmdnfSxN43/AGTfhzBavHrnie80ax1C2ea2xqcK3FoIdyG6MbLmZHeP/VjBHJG4nI434Sfs0eHdS+C8uvQ+Ib3Wr2TT76V7S2QQRabc29t9oaObcCzljt5UhevQ1e/bqsmi+KX+qVfJs7YF0G1R/rtjITwUbnJHHB71o/svXlzN+zPfXMcEglI10FIsnLppYDfL6YBP0rR2tYmUmo3TOa/ZT+Bln8a9YvNR1S/m0/RYbYW88kEYadZRbz3BCEghVEULnceclRWl4t+Bng7VfglD4x8FtrUlja6ZcajLHqjAtE0c0STpx/y0zNEwP3SueBVP9lb4ZQ614I1jWL7U9WsdBbzo5LSwna3bVPs1u95JHIAfmXYMKuMuxwflzXp19rdj44/Y91S60uztbG8l0nVIl02wDyRmNLqzKYI/1kjlyWI6kCiSs9BRlrdvrYwf+CfsUd9p2vzRrDJ9l1nSUh3EbrcMLnDDPXINfLuqW0+raaWhh8z9/lmwSQckg49MCvqL/gn1blNE8WP5S2sn/CSaTG0bJ+8TBm+Xaee5z6YI7V806rLLLZXTyR+WpnZYQHCgskv8Q/ulM/nVU73SY3ZuR1n7LfwP0v40+PIdJ1XxNJok1wpisLdUZbrUn+aRkifHlx7VU5Mh74Ar3Sz/AGKvhvF4mk0OPWNWvNU1KBbzT9JuNRWG9ihT72whD5jvhim7YGGMA8V5V+w/EH+Pnw3tw0bebqM29EyyomyUHjrkrjFbv7Rdpf6d+2/ZDS7eSO6udQ0lYdrcyxMIWTpjjAPHsaKiuyYybla/Q4z4r/suan4O+ONt4U0Vr7VG8TC3n0r7Y4EjxucET+X92SJlcPjgFc969a034AfCvwj8RND8E+I9V1u+1i8gjlttQt5/sln9qnBKBgM/IzDCMwP3gTjdXf8AxL1OG6/aq+G+imSOTUL+w8Q+TGWRWgl1CaUWaZ7F9pIBPRhjrXz/APth6Tq2lfHfTrm4t545NQstMjsCxJ85kgjt5EQjp5ckbKR1UjnFOW1gpy53ZmJ8Tf2ZLf4Z/Gix0XWNen0zwn4lk8+11e4tGlmttp8oxPGmR5yyKEOBs+ZW6GvePF/7IPwy+H0FhD4g1i6t7Ozd7Dz7rWfJ/tFg0btLG4Tanlq3T7rFsE5AFUv+CgXiKG0TwuskzSavJql1qSxGIMVtW+zWwYMOTukimYDphciqX/BTiykGs+H0hVY45ILpYmd2Ky7JLckc5GeQTx3HFQ46XiVGo5OMWdP+zP4Z8HWnwz8aR6JqWp32l2t9c6ZqdzdWm2e4sgJZUEO042lMMucEtgnivl34h6t4Zk8ezTeFVvrbQZoVNudTH+kZ28grHwCx4A54HNe9f8E/rq41b9nT4pNcJeXEz6mFijRNxmP2KTIxjk4Xp718p+K/DmoeC1sGvLGbT4byOJk82IxtNHI7+XIM9VwMbulZ8vvXOmnJXa9DU8JyvYWsaw2oMNxE6LvYbgBjeSo46jjPavev2YrSzsvjt4Ohs7g3S6fJHITs/wBVkfccHjkA4x614VpMf9o+FLVVh8m6tb1bcSFv3kqgglAemNp69sV7B+yP5cPxt8O+W0n9oR3YhRCuIWiXcFVieu1s8j6VsPmtsfW3x9kun8VeL/L8k2kmnTZc9YpDZyYB9Qe1fjlYCI2EO5v+WatjPOMV+xXxodtQ1TxsrxtbtDp8vyhS0YP2KQFlPdSDkV+O9nAos4XyvzIDwenHSvWn8KufiPiRH+F/29+hJbMChx04/Grg2ysuVG1cZ55OKq28KlCRuHPQ9qsragyrnG769a56mux+Ux+Iuz6s0NvI011IscaDLGVuAOgznge35Vy/irxivi26hmCyOtvAITMy/vJwG/i9cDgHrWd4/wBTm1TXodHtvmWNhvGcb5D2z6LXuf7Mn7OGs+ONZXTfCvhm11zV1VZbnVNSH+gaaO5kDELycgDJJ9DWdWtDDKMpXcpaJLqfZ8P8I43O5OnRkoxirylJ6RXm+71sjwWRwis20M2Rzng16P4E8b2+p2FvYw/6LfQxgFExGJAOMj+8fWvp34g/AfXPhTZwr4+8F+CfFGi3TlHk0bSzZXSJ2MU0YBDLkHawYnuDXzP+1F+z5D8GNd0rWvDN4dS8M6wn2rTLoFTJCyn54pNvHmRnAI/iG0gYJrOjj4V6nsK0XCT2v1PT4i8OMdlOFeOpVY1qXWUH8Pqn0Oo0/UzZxtJKzNtG5ju2mQDnivuP4FJ8Nf8Agn74S8D+LPiZ4k8Xr8QvGWkPrlroWlytJpp06Qjy0lVCA7sm1j5j7Qe3Br8/vB2r/wDCTeHLXUNy+ZdKUkQniOQY3fnyf+BCvsH4CftrXEXwl0HwD8UPgmvxf8F6DC0GkTnTZ5NQjDPuRROUKmKMk7QhBxgZOK7KK5Hruj5PhjEQpYmoquk7Llk05RT03tqvU9b8Q+KfgT/wU21iPQ9N8QfEfw38SI9Iu9V0zTbuWSTSUaGPzGjaIlosMBgvHtz2r55/4JV2htv+CoXwnnzHi6urtgiPu8vFtMCPX869QvP26bP4V+CdT0H4K/s3/wDCq5tYsZ7LUtbuNNnubyOF1wdkhizkAE5diMdq8p/4JQ3Mdz/wU7+EcQMjRwXV35eR1zbTHcTXbCScvM+gx+Ip1sxwTbUqntI3ajKKaurb72P6FB0ooHSiuk/YAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigD4J/4LpIs3w68HqG/e/2g4x22+TLX41+PIvK8d6grq6tvjdcEq8ZAUq6kdCCAQeuRX7I/wDBcnb/AMId4RLH/l5fj/tnJX5RfEDTbV5Xme3jeRifmIwTj3rnxGHdSG9rM/jnxKzKOF43xDlFu8ILTdaJ/odJrH7Zfjj4qXvhxfFmtTa3b6JcQi4juFDLdQBgZR8wI3um4EnqTWp8S/H3gDx94s+MUy+EbCw0PxhdW9x4NEVtGbnw7JFKpZVAIURyxZUgA4NfNuryeVqRWOR415H3yAMVi6t4ivYCGhvrqOQgqSku3KjnqeM+g61x/UpW5VJH12Q8dY2jGUFFScrayV2rLueqaQvkaNLp0k1w9h50dw0CybVuWBOSwI5YZGOcDFGoW0cgby4WWLPEcQGCfXnv6mvDrj4haxDEhj1q/Trj99WBe/FjxEyyRtruoOjrjBcbcDg1UcvqPXmRy4ynis0rOtXqXfnt8j9Jv+CH/j2yvv8AgoVN4fjmaSSTwjqbXPln5F2GEhCeue+B0r9bPB1vHf8AgD4pBm+aQzmQIDwTaDOAa/Df/g3X1OKH/gpHnzJvtX/CG608GOVlk2xH5/XjkV+3vwn1CTUPhr8Trn5t2JVjLDqBaDB9+TzWWLpqm4099Gfu/AeFjh8rp0493+Z+IXxNtpLXWNWFvMq7pmJhlt/MDhvvYx93A5B71pfATwvY+NPiLoel38lva2N5drpryyPs8uOQkxncezMoU9vmFVPine+dqSsskfl5kjmllGSXBKr06KVIOT6VU8Q61ptzp11bWEMklxcWKXQQPjynQ7cIe3Y8EEAV41H4EkfqNS6Po7W/CPh2Dfo/iD+ztItvLmhuEh0s2j6W6xthkYKCGRgOWPz++aT9gLRNFv8A9mbWNW12U2WoW/iWwsdJuiVWO1ublQscrhgcDdhW5GVY9cGvl/w58Qte8Y6bJbarrGrahHbyRiOK9uWkRyOF3ZOPlGB+Fe6/DrxN4Z0v9kbxF4KuPE1hZ63rGpW+rtMbeZ2snt1O23Py5MjMvDx8A7c4rSnBpPm1M6ib0RraJ+yep/amuLDUY7rSvBMNu/iKS8u1J+w29uz/AGi3ZgAC8M6Spx2VfUVc/b2n0/V/h1ot9pjXC6LrmvS6pY6c0QKxGTTIGG9mVSZivB6/XNZPxa/a8s/il8BU0H+1V0vXfHCW1j4qmmt2aHTo4gPMuAU5YXeyEvGOf3bt/HWh8cPHXgH4v+FfDmnWfxA0XTZtClgZDLZ3Dl0+xR2ru5RAVYNHvGQeGAya091KxmpT0kyH/goLFc/2d4Jiuor6KaWa7Jm80iNy1pYMCFwuGGTlucnBzkV1PwiuJ/jb+zjqFj4luvt11Bb6lpiXl7IXkaOCw+2Wk7SYyzQSRsoLkHbIVyRiuZ/ai+KfgD44XmixyeNILOPQriRLUw6c832hXht43DBVX/nhuHU4YA81ga/8ctD8N/DbUPC/guPUbj7TbvZ6jq1zGIZII5sGby4x0M21EMhI2pHtUfMTS6hKL5VY779kK7uvEfwK+I08l7dS2VvYyCKBnLRwGTTrsFVU5SMY68CvlVbmG28BzWs3EgfMJjXdgjHJ9BjmveP2bPi14L+G/wAJ9e0fVvEVrZXni5ntpPO0+Zxbxi3ngBbAIZyZQwwRgLXhNxpdta3epbLg3Fqo22s5VohPgMqybDyu4KDg9M4qpNW0CEZc7fQvfDFml8beE4TJO039qWGHx8smZ0z+I7V7l/wUllktf2jIWZftG/SmhjHzbkH2u7yR/wACzXzt4M8Vf8I/4i0K6b5odOv4zLgZLbJEk6nudpUV6z+2X8etJ/aB+PUms+G7bWrGz02KOxRtTSKOaV3mklkAWMlRGPMKgnnAzSi01Zmk4vnTseQ+JLeSGx1CVFZmiuxLFlsocoAy+/BP5V6F8W/2k1+IfwP8JeG109ob7Tmj/tDVPP3f2k1tE0VuoXHy7YmOSTktisfxPoT3+l3kgjkW3VovIjUYyTuH41xN9bJ4csbqOSFiv2gIyyncqbxtDKP0xURld2HK1rnsHw4/aOuPBH7MmveBGsZLq78Sq/8AZ97BcbVsBMuLkEDly6oFBHTc2a8S0u5jikW7ZWZGEYdgCfLb7j8diAeCPWuk07w3No/g7S3jt5I/s10bZLhX4BKHGB6+h6VmaLYY8NatZs0ls6ETxSkDcQzIdxx7mto6amPTzPeNQ/bl+H958Jr7wrN8M9Xm01dNt9NgSfxGViASZ57eTITcGEwaQ4PQ46U74E/tz+H/AIP/AAUutBufh7fX1nI+NRiTXPKW/mlVopnP7tiqTRuoIDDAGRzXzvNLDq2lSaZcttWBZEiIQbpWEm7JY85HQD0JppgS10O+8xDheRKF3YZCpKt7cDn3FauKvdkdDofAXxl1DwZ8bX8X+ELWHw/eaTdC6sIIX3LZIjBAhLcyAo4U8fMua+lvFX/BSq00LSYbiy8Fiw15tzLC+pBtJtpgGZjGpjMvLsX2Bl6gHIr5M0tvs+o2stmgjS4jmhmVCG8rgMMH1OO9R68rHS1hMPmLazt80n30JUYH55/Koa18i+VS0PW/gn+1Fp/gL4i33jLxRpc3iTxG7XVxLNLeyWskc08hHnKVzvOx8AEYUH2FW/2jP2i9K+JXi/wj4o8P6BJ4avNEWC2N0uoPdTXccUSC36hQoix1xuye+BXheqWP2jU4lt3mfdbOyRsR8zDD4J9yD9K67QXSbwbY28kS3DSWb3BfOQpDKAp/75UfjSlFWVi4RipXaPpW3/4KLW/inTft174PuB4oupVa6kt9QEOn3kz8vO0JRmjZtoyImHTjGcV5Z4G/a+8QeHP2iLzx7qCR6/qusW95a3Fu8jWsUPnweXshdMtGkcYyi8j5eeteRm4WCys2jt5oZInEboqZ535H04ra8T6Uuia5FdWrQ7LwoVjZiyLG6EFvTPJ4qVFXE4ra2h71qH7aul+HYNU1Twb4Lt/DOta8uy41Ga8NxJE6ncWiUKqB/mLqccHnqBjB+BP7WOn/AA6+B154V17w3D4k8N6lqT6ncI9+YZ2eWJItjDayMoKKwJ2kHkHrXl+heFY9T0y3twwaS1u5ViBO3zV2PgY79AfxxWLpqI2myadt+XzGGccxgFTyPx/Cp5Uo6D916WPUvjf+0NceO/hNp/hHQdFh8O+GNJnSa2tFumnZjG52tNK3JCb5CF5G5y3WvK9JtYU1K1muLX7Q0jyAsflG4Ac5HUe3Q1e0fzF0GaKaNU8m9Ibd3iKtnj1yBzVoWUhs4rpCrSQ3MlqfMPmYDJhME9Dwaq3KtCYu3TY9M039syxu/h5Y+HfEHgzS9SsNBtUtbVjdtHsAaRgSuMhm3sDt+8Pvdqwfin+0PffFXxVpmpakslvbWI26ZDaHC2BVlk2Kf4mJCbnPQRr/AHa8z1ewW21NreQMu7E8qrjapLHk/QZ/Oqug6fqup6RMzTRzQ20kkeCmGfA7dxxxxTjQg3didTlV0fUF5/wUAH9iPq15pEsniKaXybq7s9UltYtRnIGZ7mJQQzPgBihAPXgnNebeEf2oNYT4iXHjrVILXxFqQWObyWDRRwSq3lqyAZ2eWpAHXAznmvK9A04PZ3izQTLb3zokMZbpyPnyeh9PWtjTJ9NtdEnijmdHjX7PIWXqSxIf8NuD71X1eCd0T7ZWsej/AB/+Pcfxx8P2Mw0HTNLk0yCSKG9gubi6meIOxWBvMOPLBdm4HBPpWn8MP2q5vg94Ss9Jh8F+Hb1IWmSeU3V2okNxH5M0jojAN5kPyEdAPevF33W8Gn/ZbiPyfPIDF/liLR7sE+hbI9OKgnjuoDG0KyOLyURmMjaF3IcNkdsj9acqatZDjNbdD2LwD+14vgSxvNOj8P6FeaXeXTTwW0ckln/ZMh3KskEy7nIEbeVtfI2gCtTUv269S0AXl9p/h7w6mqwzsmn30O+P+ykRRhNg+WSMOFcb+rkk5AxXgviLw+C729vMxeLT4bh0dNmJuNyepA554z1qxBpAa+ht90LR3ky5+U4LSRnaB+Q6+tZyox3uaaXsj1z4E/tX3nwniubWbw/pevahqGqjV73ULme4W4uZwXMcruj7Wxlsccls968++LGvL8SvFN5JZ6bpuhWeqXjSW9nYZWC2ICNJjeS3zHkkkZycACuZsBNbXs8N9JJCbi3ZiNgLB0ORz2/CtCayNx4ls7Wa3823uNtyNqjcg2sCAT7jJ9sVVOK5gnypHr/7D0H2H42eC4W8r7ZHqsjhgu/cRHLjHtjsK9O/aF/aGt/gd8T1XT/BHhiTXNDsrebT9avHkadRNEZFfy/+BuoOQp5AIxXz38FPjBq3wNufEU+ltatqELo2+7tIp3hQPk7VblSyMPunnnkdK6rxh8TvFn7W1vJb6la6C11pNs11C+n2UGnuUADOhyQzgKMrHk4ycDFZyjd3Yo0/eutjh7f4ma54u+J1x4j1S6kuPEF3dQ3fnbgmyaNh5YTH+rWNThVXgAele4f8Nra94y0+1vNc8E+DNZ16F3MOoTearSXhP7yf7MuVSSQ5LNGyhjkkAnNeL6b4Rj1uylvpNRjim0e5tWtrdlXfcR+YRIxIGMqrFsd+ldB8VbG60jUFt7ZoYYdDJlt7uOIbmkdy+WHTIyQccD0xWfNqa8ib2Mf4g/E/XLv4vt4t1KPT9evJoIJ5bO6hK24WL5VURA/LFGTlUXjg5zjNbfxj/bK1L46eHrzSbjQfDsMltdCUaosM0k0chCmV1Z2OzfsUkAc1x3ifxH/wlGnWV1dNGupW8ybrkMNrxbSgyBx95uR04rPs1sdNvXhnhVbPUEZIHRcCZiNp3fp+Jpq+qNoqLd0elfBb446l8HfBOtJpFlp+pW95dWsl1JP5o8uaPAW4haNlYMoZgSM7gSuTXP8Ajzxnf/E3xfNrWtSRXD3kEqRyxwBERYhsSJF/hVA4wvTPPJrmdNF14e1PVre5NvdRRwlGWBtywwtt2lfUqRjNWn1aG38OaTcXEyiRrqRbhlHzBZNp6enH8qXN0QOOvMZlpBY6XplpfXN5eLcSxfaYVS3Ehxj5QUJG1Wx8xB/Ovc/2UoLj/hbnhi4muI3+ZRb2f3TErOzHaeipk9K8G8XXlrq15pcyL9ot3MUSNsK+aQoDKB26H8699/Zr05fDXxc8Gw7nktbe5YLI3zyIN4IQt2x0/GqU20OXkfUnxtQS+NfGUnmSR+XpcmWU4UA2kg6Dg9q/G+0XZZxq25doAx71+x/xwRR4v8WMv+sXTpE3ecykq1m5+70avxsiZjZW2WYbY1x8w6YHX3r2KnwpH4l4kPSlf+9+hoWm6TIb7ufzq0YYzP8AL8vzAcmqtnGsP3WOD/eq1AvlybxsZW45HQ1yzvc/KUcbpyrb/FO9abK+VPKeR1wSAPyr9dP2P/C2n+Gf2Z/B82mw26/2xaPeXsiHdJJMJZI3DN6qABjtX5M/FLQ5tM1S18RWX7yKZtlyB/yylX5cH/fXoT396+pP2Gf+Chdx8GfBT+Fdc0d/FHhRpTNbwLdCC60mVvvNDIQQA3RkcMrdeDWeKrOjWp4xpyik07LVX6n7p4d4zD1cDWy1zUZzcZRbdk7aON+/Y+8vidYJq3w51yCR/s7G0eeOZFCvFKi74pF9HVwpB9vwr87f2nfEmk+JtF+K76fptvpOlzeJ7fUrSC3ZWiS5a1CXZQcbVeYM2BnBf2r3n43/ALfGl+L/AAHdaf4S0XUrWS+G2a71K+iPlL32rGPmb/eOB6Gvhn4seOIr6xj0fT5HuEafzJ5Af9fIe2O+DXLWxax+Mp/Vovljq5NWXyPq+IqtHKMjxFPGTTqVVyxgmnv1dm9i38GS0vhK6SRnZPtbbcnsFUnB+tfox8C/+CwmvfD/APYw1zwxcawun/EfwpDaw+Dro6f59nqluJEV7adBhFeOMcE/eUZJzmvgHwVojeHfDen2sh2yLH5j8dXY5b8s4rQvF8y2YGTsTgDnp1HvXpSqWqNxP5my/OsRl2JlUwz+JWa6bb+q3R9XXv8AwWl/aE8SWNxp114n0IWt1A0EyroMaNMj5Unc+4ElWwSMjGOlcf8A8EgWgX/go/8ACGGFf9RqF9HubO/attPgA9NtdB+1F4usv2p/Bn7PHhn4Zx3HjHxJ4L8Bva67p2k2pefT5IjG0iuvH3QCSwJB69a5H/gjbOtz/wAFLvhRJGy7TqF6p9MfZJyMV1Ydvmd9j6WrUxLzTBwrVXVXPFpvu+Vu2vS+p/RYDkUUDpRXcftoUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQB8C/8F0opF8AeEZgMxrfMmffy5OvtX4z/ABEu0PjfUFPA3AEFuAcDOK/aT/guXJu+Enh2JmC7b4yqMcs3lyD8sE1+Oul/C28+L/7R1r4XsZILe817UYrO3knJWPcyKTubp8o5xz17Vw47mdNJd3+R/KfGWH9txziYR35Kf6HRfsz/ALMmr/tTfEiz0bS4dL0WGcKJr69ST7LbqoGXKLlpGbrhccntXqGg/wDBOHWPEPxV+JHhm21rQ7CP4d26XIv9Vs5LUasWyBEsRyVfIzk54Oa9C/ah/Zm8TfsdeE7VIZI9D8P+HPDljf63rWmwH7fqdzd3QijjTe+fkZAMKQoBJPGa+cviZ418TeAfK1jQfEXi7Ubi6mjlZdUkaSYRj5oyzAkNG3zDZnrjFcfNCMrTP2nK+B8FRwvPiaMqj6yu1r1sl2/E4jx3plx8Nddn0fWdNh0u8jUErJH8kiHo6Njke5riNV8RWsrFfLt2yOR5a8n+g96+lP2rvB998dfgPeeLr3SrjT/GnhedP7R3SeZElvKoHlhOQpC4YHIwDXxVbWl1ciMhmO7jlug9M1ktW7nxnEXDMcvxKlQm/Zy1V73Xk+9vvPrr/gigbX4e/wDBRi01qGVo7WTwxq0AjK+Z5c0iIFxjtnOfSv2y/Zv1F9Q+C/xQmmmmkX7ZdqC42mJPsykL+APWvxN/4I6eHru//bDECrnzvDepMSo+eMBUOVboOa/aD9kjSpNJ/Z1+JEd08ihry8ZiT1H2ZQf5VVWTdr9mfqPBM3LL4q97Sf5n45/EWSO2167h27beO6mi8xF3vt6o23PPXH0rl30GHxTZraWV7Y2U1vDciaW5lAiQ4Em0Ac72wcAE9a674o6hat4t1XyoGk2zvL5e0OFflTkjBwcg47VwWq3i67LbXEdjHanRyYHjCLDKQfmBz1bOeScnFedQ1ifpdTSWhY0gWtjp0bWjMttJEF81vlaQgDB+hrdiaFNSmkaELa3SeUYwdxdiMkHvxwcH8K53RtWs7jTpLJZJF2sxMcJAXaozuIPIweMd677w18CvHniy00nVrXwzcXmj6o6PaSRtH5l0FIzgbsseCcY4Aro0tcw5mpXMOPQ11WWS5NvFOtvAr3b52qjbtpAB5J5zkcYrnrTRFSWH7PcCZZJQJncn5AQOM/nXafFf4W+KvhTc/wBra14a1TS7OG8EQluowphEm/YjdQA2OCcZ7VPpH7O/jbUfCenahZ6DfJZajKJYLkSx4vFbIVAufvHI+X7x9Kg05mjz+1sr3ylWONo7e1lnPm5BBePJAH97K+lTR6pcRBHRY5FukjldjkMihsMPwPrXd+E/2fvFuo2XiHTdO02a8vNP1NUubeK5TzIJicBR82GB5GV4JOKsWH7KXi9LiS5bRZoxAHtXjF9C5SQMCYyVbaCOfl65BHanKV1YnzOYi05LX7VG8aSCWN5QpQ4BzkE+mBxR4il+1zWtxarGqvEqgA4DbW5AHbAOOeuK7zU/2bfiD4T0Ozlm8K60qQySQFhCJ5LiJhn5MN83v1I9K4BYpbidoZoYY4rezYLIueJOpAz39utYx1NebUxrK18jUFt1hM1014qw/NtDMWACYx/EWHsPrXp3xo+B+q/s7+L9S0XXzpc2ralbRXMBtLgyxhQ7o6sxAAIdDyM/WvMPCrXOpfFDQyig2t5d2UmZPug+cgJwehr6o/4Ke2Pn/tCR7WwIbGXd83IH2q44/OtJWUbkqX7xRPHNRuIz4Ys3VpPOntG3MWyy+Wy7cD15wB1xXB60o1vS7trhoXMZIa33EsyryHHbaPbnNdNokrWfhWxup8T27SSK8anDAMuQTnkjI7VhtH5Oq3Ra1WaxuRJtMIAwHVtgHtkVNO3MU1ZF7w74rWX4cfMsbSC5jkjUyZZdrjIOe2MfrWOIzHpUki+XK00MyzYzwQy4wB04UY96j8H2Ulkl1ay2+6RlfYm75SVGcZ5GOOtOF9JYaRIkqqsnn7mkWQLuBJAGePTtXRGy2OSW9noZ2t4l1K4aZVS6khYJEke2SAkcPITzywOcdKu+GtAk1NbpYD9oWbSfMlhkUlN+0AHg5yStZur6jDf3VndNHcG4adl3huXUcDdnk8kkn1rZ8D+K5NCudtoGjjmtpIVZhyqIzFzz6ggj61pzO2gPTcqy6G+iWFq1q0X2i4tQ52/f3tvQ7T3OB1qfXtOtZ/DVrcySS3LXFtJcXJWURlZVzsOcctz0q5oySLaRPcKGX7WkEjqxJRSSRjtyD+dYuq3JOibooWjSJ5ImGOWfI5+nWjTqLazKN3GzataQwtHtaMF5Qp8sjaMlT64JzXRR6hYz+DdPg08P9nhJicTfeDq3zH5f4ckEHrjGa5a0B1bQA0kXPmhBIsnlyhFA3bSOOR1rqLewtdC+HN0GWT7LHrKxQbAXePzFyMnqc7T+RqfZpI0u2jAg16YXcLyJHIrFnyrc7R1z7963brxH/bXhu3k+aeTSJVEa5BDLn5QR6jDVB4f8OsZoJHhjmh3SeW7puVjhlwR6cdPWs+znhnuZI4Y2LTMJCEH+sZVO4cdsK345olZrQqPc2bXUZrnxKsiySWtrFIjfKf30LNwenUHJP0pLu4Ua3Nbqu+a9LvEM99ig9fcE1Y8JpHr/AIv1OOOSG2lmiZ49w5i2nIVPXooPc5pt3aY1i3uY5IZTbysmASHdvLO3HqPcdTWaSvZhIsWlq32JVeGMSTQwySfKzOwEpbcRnA4JXHoKJI0tI9VvJ5PLVbtXMKH93KrKUOB2xnIpuklr7UZ/tTrNbXdrJhPMy+VVvujqDxwPXNUvClh/aLa5/pUk8kOkm6eGZirlI8DfxxkZHFaezXQ51UbuVdatPtlw0zPIHhCwBUGAVKjAz7Uuk2kltq9vB5t0fMOJgSFVQOSox1Y/nTRZW0jSJLdBfMZZXYqWwwBOAo559elSapd/bNs8iwsnmo4ROADk5X8cZzS5WlY0Tui7eW0UFpI0kkn2mSSMpwSGVd2CB05x1NWLKS2vLLU7JhtkeaO6ikCh2QLIWJU/xcNitme+s76x0+4mjikim3nyI0KovI+7k84XPT3rC8EW9npPjsanrNrJdabbwq93b2kwWUBc7lyQQpwFPI5rSMvdsyXHsQR2tto919seN5I45CXglXKPuOBx2PzZzWL4pnXwZbRSGPzr63aNEOOuTkKQOmAeSa7LxRq1rrsd01qpmuZLkRC5UnCcKVXHTjoPaub/ALLuLmC8W9kgMyRF4pFG4B1dd3B6na3TtSjK+4crtqJ49itdX8VGKG43W62aN5sQMYnYgErg85B4zT9K1j7JoMd3cRs32V1hH7wM0ZXjf+NNbRvtT21z5czNb8I0YwHUKAMD1LckVXk8KvpunSCPzJLW5ELCRVLZPUYHv83/AHzVS5eXUr3tGtbFfVE36V5i/NdXE7xQES/djP3m6dOT+VTat4de58RaHdW89xNZLILeQxvtV1Y4IH90fLnn1r0v4reErf4h+E7TxxosccOpLHBbeIrEJ5cUM74RLtF/55S8EgDCyZzw4rzjTLGSC2tTMWkTe5ETsyr5qvgNgfxD3rFSs9DZ6q33lzSj9m8S30LSwRzXKgGZidyLtUFmPTrwBWT4Na5tftAhiPmWvmAyMR5jg7QwIxkjjg+5rWv7Bo7zUvJjma4mZI5pCN/m/MDlY+ygde/eprS3+xqyxXUflyPI3bKAkKFHucHijmSTQcqsmjPtjdy6VcK0nktGjiR4F+aTaQ4x2GOtdd4w8SR6t4ikb5ri3uY4rdEJ+YuUQ5PbPJ57nNcjZ+JLhkghkfzjYo8VqCAPs0Z3YCnru3fXNTeJceG5bOOd5o51QSSeauCshGOR1DBlPHaspbamkItTuWtLt7S1smh8vLWsUib85DhHLbvrtIGPasXwHZvdeFdQ87zle3mCL5vDFPNQh8HsOnHWtwR22n6+siXzXgvGeWSPyiRCzIACpzgk9eeBViy0FrfX7mKxE2pRy2v+luflEAIU4YN1O4ZOOlRcu11oRa1o1nYfFPSwPJ+z3iSxuuTsRtm04HuRkZ9aw7iXyPCphje6ulnDJLEr4EEqSEAxj/ayOvpU8ttdXnjPTbq+eFo7K4dWBP3gCCuR3J6H6Vsaxo0fh/VZrK4jk8xPNcQsrIWYsGA5HyjIyM9qVtbl81tDM0TwxHLpNl50Uax21spimmbAR2JDEjuysO3TNe8/s4anJcfFrw3by3lvJ5NyrrHyJJ1yBlscY+X8a8ghuoxpsazG4kjaMQgO48tgzlic89DXr/7LFgzeOtHln8xryDUEJD4yELc9O2DxTlukJuydz6a+NX7vWvG8zBS0OlzNvXKqy/ZXyVPbH8q/HFLbyYYwsgfMan5VIHT3r9dP2vfCf/Cw/B/jjSbHXtQ8K6xgX76lbxpP9rtorZjJZspxtWRQQXBJHpX5Gm7jmto/LCruUHA6D2r2JS91H4h4la+z/wC3v0Lmngjad3HsM1YXk/eLL16VTtjJjAFWYvmIHzZrnep+Ut3ZehuFS1njmihmtrhfJmjcHbInXnHfPftXNa98O7fQ7WXU9JurhI7dkaSFnImi3naCH/iUH8au654hj0KyaSZsRt8qqvLSEegrE0ka98RLhYLG1urjc/yRQoXQEcgcdcVpRjOPvJ6dT0MLGrNe4m+1v0KdlJf+ItSt7H7VNM1wxGJHO0f/AKq9B8P/AA7tfCV35rSSXl+vCSMAqwZ/uqf51ga/8DPG3gixj1W98M65p9nD8yXb2j+Un+8+MD8TVjwx8T2u7+Gz1RVWRhtSdT8hY9Aw7Hg/lV1Pej+6tbrYjMcPiqaaqxal5pp2+Z3G8CJpGyVXLH1HtX0p4K/4JCftAfEnwVpOvaX4R0uTTdcs4b+yll1y2ikuIJQGQ7C25SVIOCMivmiRvKspNvylYiwPXbwf/wBdffvxu/4J8fELxx8M/g3qnwV8NeImtL7wVZ3Gvm18SSW8Z1FwsiOVlmHZifkAUZ4ArKnFNXtcrhrK6OM9tOtCU+RK0Yuzd3b+V6/M3P8AgnN/wTV+M37LX7Q+qeLPG/h3SdN0L/hD9XsmuLfWYbt45JYxsARDuxlSCe2cV8n/APBF+Jx/wUo+FO0HZHf3gb1GLWcc/p+ddvqf/BMP9q2ysWurnwp4xksbVGaVW8UIxEYO5/lM+COpxjmuI/4IvX0kf/BTP4XxW7NHHNqF8rrx9z7NMcY9ciuzDy6Wsj6KS9hiMDhoUJ04xq3993b5ml2XZH9Gi9KKF+6KK7j9pCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAPg3/guTA0nw58MyDpHctkev7uSvy7/Zq+NOk/Br9sHwrqvippP+EX0PW3vXmiX95p1zLbLClyzdXhjcRs8ecEbq/U7/AILeLFJ8KNBjbcLhro+UR0+5JnNfjD8RbP7P43vt0LtDIQdzJuVgUAI5+pH4Vx4uUoxjKPf9D+UuLMwng+P8TWg1dQpuz2ekT9Xv+Cyniq11H9nux063tP8AhMNQ8T20cWoz2T+YbBhLFc2l3Gy/KyrKP3asNrK5HWviXwv8V5Ph98XYfGWteGfMWDUraPWNOudInH2RXRvLmSIr5aRyZKrGf4k44NeO+D/jtqGkX3hOLUNSu9Qs/CWp22padA126MpgkDrBu6+V7HI9BXrfjz9v6Xxd8R/iJ4g+y7U+IWoQakdOubsXEdhPBL5luxyP3gj+YBRgYI4rxqic3ztO5+25Zx5g8Thm61Z0trxcb6rezV7r5I+yfG/x+8JfA3/gmfr2pXHh+303xR8Rp7y40fSdRhhlu5JriUvEXCDAgiUxhQ3O2Mg9a/Jyw+GaWcEe6NQMZ4XC/gOw9u1ei+P/AIsan8V/E76x4k1qPUL5htQvOqpCo5CoinaqjoAOgrNuLu0trWSaS7tPlXlhMpCjv3qaMHF3aPzHjjiqtmuKhTwUWqcNE3u27Xb7bLQ+mv8Agh/4Ttbf9rzXPOKLG3hK8BG3737yP+g/I1+r3w/sWt/hH8TLGVY45FN0rnhVZmtgc56CvyU/4ILePx47/b+8TR2ahtL0TwTfySXGxjmWSaGMZ7BckgE8E9K/XLwuqHwH8VfLk3Rqs4DKpyn+hqSMHvXdKm0437M/XPD2nUp5TTVXfmb+9o/C74maWtr46nhu2WH/AEqaJ2Ub9xwSoPbsKk+CXgG1+J3x28I+G9Rma2tdTu47K8mM/lMx+Y4J/gLHCDHr7ipfiNqq6prWuTBY/LW4ZmDknBIxgn6+nSuQs5lv7f8AtBv3d0WyJN23oM59dwYDByCCK8ajK8UvI/Wqmuh9nwfBLwh4l8zw7rNjomkaaYblZpYbP7PcaM0cbssnmlVcmJlG4SHD5I7iuU/ZIuLif9mfxalvdCa41WS90+zhAMcizTaTIA6tgiIbgMtkbfbIrxXxN8bPF3xOsL/SPEXiTXb61WWF0t7mVWSaPYCEdgMt0B5J5UD1r2P9mXxd4R8O/s6Xnhq+8VeF7PUfF73aCKeeUmwSaya2XftAbzEkOSF3AL68CtoabnNUWiL/AMRfGk3wW/ZQttB8Y6hDrviLXtL1HRNNtpzJdbma5hwfNblEstjuCx3Fpxt+Vs14x+x/8fJPhP8AEaTSdakur7wprSRx3ljFmaSznEyiG9gQg4mibDALgOAVPUivYNG+Lng/46/By+8K/EDxFHbeIPDcwjtdcSNiurJHuigvYSRxMqgRujhfOiZTnclch8H7HwP8JdNvvEll8QfBuseNLLTp59GlvLe4WGz4PWIJue4bBC7hsQ8k0a31Hprdas7b41vpvwE8H61qfhOze18VeJr6XS9W1O3DiPS4iFI+zBlG37UpZ0b/AJZpuVfmqj+wZq0bQeKpI444pGuNNkiEiBuczgHacjdgE5Pbqaj+GPx38N/EP4K3Gj+PNW0+N2vBADdTut8bFtzMrYBUmKdhJAy/MD5oPBFXP2fdU8EfA9delPxB8H61HrFxaC1dFlErxwGXczRsgAb58DB5xnpijS+pK+Fpbnn37Hfxi1rw58TtB0Fru81LQ9dkjs9SsJJmlS4ilfYJl3E7JEcqysuDkenFa/7WHh6xsPGWhXltIrXmvack14YFxHcXStc2ss+3C7TIIlYjGMkms7wJqHw2+DmpR+IpPG39t6jYws9jbabpsmfO2gbjv4JXkDJwCAegxXFfFr4o3Hxm8QLq62selae1pb22m2pbzPsVrCdqR7jy7DLEseWZyaI21Rpytu6K+jBZdV0J0jVYy1rsGAFSRJFUqePVcivfv+CnE0ml/tEaPfXEbqq2Eyxq67ZHH22cr5gxyeeD0xXzjd68J/B9xbmObzkuh9nyeBlSSSOuQ3T0rP1bV9T8VWf27VNT1DVL6OSOFr69uXnk2hAQpZjnaOcDjk9KFLRrzBx95SZ3nwe0/RfGmuWml+Kr/UtH0S71GK1+02NtHcPHOSQu4MQNnOTg556Z4rqP2iP2c5/gRLp6R6jeXWhxXclpcR3qLHNZXagMSdnBjkjYSI3+8Oxrzn4NXLjxtpOnqWZ7fXbKaSIDiQNNGM+3U/hX2x+0L9h/aYb4teC7qaKKbwnfJaxmXosU7xtY3BYcjybgNC7cjZc88LVa2+ZMpWkmfLv7L/wLk+JWqaxqFx9sk0zRbcJO1jErSZm/c9W4WNVbczZyMgAEmsn44/DzQfhr8W9S0PRby81Ky0mZtPku7hI0W9uYvvNGF/5YjAwXwSSc19OfDnTV+BHhrTvhav2STVtS8PSeLPEEkKkNBK0kP2W2z1KqSzHOc7UPQ15n4I+Fdh8W/wBsXXrXU4Y5bOz1O7vLyEg7bjdeeSdw6lQrg4+lHS9xKTb5j5w1zw3HaXX2eSeMzQTkp5UgJWPIOAucjPv1FTeF9Eurfxdp/wBojja1jvXJY/dZXUqEHpnHOewzX2H+z34pj+PXj7xp8P8AxJomgx6XJeTS6W8OnxwSWNul6tu9tuUZKlHBUsdyyKvODXN/Cj4X2/ww+EvjvxhGljqWq6VqepWOj31zGJktmtrmO2E+3oSN7SdwCFojNpXQ5NWszg/Ffwg8MeH/ANk7VfFWm3Gp/bHk090muXCQxubuW2miWMA5VRGNjE5PHANeOz+HppLVbVVbyZ9zvvyWUkZz649zX1H8WvEt98WP2Kr7WtQmt5NWVLaCeVFS3S4NvqUwik8tVCK752vjGT83Ga6228QeG/2TPC/hOx1a01axW4P2u8ezsLa6TxETDEwjuJJSHiUCQlREQSBuAzU+0aYabWPlr9kn4XaD4117T9E8ZLqUf21pxai0wvnyiN5Y1kJ5WJlTlhnqOla/xw8EaX4E+L3iXRdIt/7P03Trqya1t0nef7OssMbE5c/Nh3Y5YYGcCvTfDusaH46/ao8P3mi6fq+lJdQrcs99ZC2l1CVrefdcRx7mAjdQoLE8sjHvXAfHmWFf2tPH9uvmSRTaXbTFgCURo7W3I46568+1bRlfVkzumeU3zXem3l3Z3B8yCGUmQp8rId5bgehJ6Cqmm6Z/wjHiK5ulVJJtxCQu3+sVwV2HHHAevX/hD+znD8YfHviuxm8S6V4dWzgWa2l1Bwi32fLZo42YgbgGPGecGqv7QP7N+k/s8Xavb+M9F8ZXWoW9zPBBYgLPZLC8bLI4V2VQ/IUFs4GcVUZLYJSs1Y8TjhWfWLeWORVkhtEOEbBQ7V5wOei7ce1fQX7H3watfjZq/iTVtStdYfRdCVLyZrIbZ4ZBtTcqtnEaKzSOAMlUIHJrwe30Tdf+ZCq/ZWg3SgZOGyc4bjBPbNfd3w1stN/Zd+E/hHT9Q8ZWvhXxFf3EHijWLdoJJpL6IqRHaSbeFU5OSc54qakraoNbaHx/4n8F6j8L/inJoOpSJ9psdRuLSR13eUiqWCuOPuupDDPYivZvgp+zl4b8CfCXUPiVrkGqazb6pavb/wBl2s3l77V5PIlldh823fH16R5TP3qt/t4fDmS20vRvGWnXC6hBDHCl7PE+VvreXzJrOfLAbi0WULdjBg85FT/Az48ax8EPh34Ztdc0XzvDPivUprTSru3nUX2l3HytMvzfKY3JB8lvlfYTS5pOJNm9O5zHxy+Dvw9sf2Un8efDmPUpF1jXYNMeLUZTJc6aVhkMsJA+RgcqVcZyMDrSfAf4PfCu50rwzoXiTXpNS8beLI4xAEmlGn6ez52QTyR/N5pABJUEJnB71037RPwr8I+J/g1qXjDwLeWihcalN9lWS2tbtPtEFpMZ7Vvlhu0lkUYT5SrZHWvLf2ZfiL4a8BfE3zNZ0Rr64kvxDZ6gkoM2kxn70sSPmNpM55YZ+XgZp814aBF9js/i3+zza+DPjboHhTStTsVtbqWH7OuoOsP2QXMYfZJJ0LJyM4APHHNdh4c+EnwW8Yf8JF4b0fUNeutc0+zmu765aOSFtUijUq89oSTFIY1IcI6ruVWwa4r/AIKM+DbfT/iZDd211K1xrSm9voi7Aq6zSRrKm7nbKiRtt6LkgZHFbfwC01v2Y/Cd78Ttcts6xqds8XhzS5ImZp+cG5nUHKwR9MY+b7oyM0S1S1CLurHiXijw7H8LvFmr+G9Ta1uJNLv5rSSeElWnePfFkEEj5sBuvtWz+zW3hnxn8S7NvGN9a6LoEcVybi4uLnyY8x228RB+zsy9CMsSK2fhL8G9N+LHi7xIvxK8VR+BdUgiF+39qRmOTVJpZRKxweFYo+8ZzkHtUHx3+H3gf4V6Hptr4d8WaT47tb5ZVuI7eEf6HJkJG24fJubrgHK4wTTeqs9w5dT274VeE/hJ8ZPAF/rtr4X8QWMemC6hnhutWZZpGitDPuAUYBbgc9AaxL7SPgz411fwPa6XcXXhlbzWJrHxLY6jqDFtNhjgLpKr5I8mRioVwM8sDzTP2P8AUJof2bPFjXVrHHDavqm/hgW/4lTMeGJO4Yr51uBfahKHtVaS3uHR5gflkCNzlf7xyenpWXs7uyKi2rn1/wDAXw78L/infa1BpvhfVLSyjeLS7sXesyNHfQSJNIpGThDmAYJ4XNeQ/EvXfg+PBlve+H/D+taf4ms/Ewt9S8PXl605mtPLdjItwCRsLhVDKMg57E12f7CdrLZnxha3UjqBcxwM20YQ/ZL0jOOcg8+gB9K+dL6T+09Civo/LVW2+fHGdxSMMwBDHPLKmcDpmoUXF6lfE9D6K/aK+FPw/wDhf8NtF8U+HvCd7HqPiiRIrKOXVpm+yGWzMskrOWy5QkoExz3xivmuy1uPULa4VoI2njjZVaVP3hIUjfn27A819OftyC4vP2XvhZcxy7Rby2hG+T7obT+OwwT6V8/+Cfhlc6j4Zn8QBo4tFg1CPR7i6klVWjlmPIiXnzmCAsey961jy25nuTytKyPNZNVjs9Tme2i+2XE9urWkit+7BDNuZsdxzgdK+lv2QPhL4E+PXxPg0/xbHrGraotpLdw2S4+wyRIEaT7RKGEpkYk8AYz1p3xB+BXwL8K+HNUm074zTX9xpttPDp9t9kVpLk8FYjEEADOzEH5gFIJq1+whpE2lftG20QVbcTeHb2bOfvLsQKwJ7E5P0qpSUkUtIO55T8QvAkWn/HLXtH0m3hmtU1eXTrK2d/nhzNthOSd2QML36V9IRfB34efCH4j/AA+8E+KtI1PxBd+MhcLf6mtw9v8AYsEwoIgpG5WmVhyeFAOOa8Z8X+JtB8LftXR3l1Hq0P8AZvixRqFyZV2oPtvzErjhVUMeoNe5ftV+F7uT9tXwIFnkaz/0M6bFuLxAxX0jzMGzg5G1y3cOD3FZ26hOV+WPkeT6n+xZHqP7Ri+EbfUrybSAkety6gy7Jp7Ip+42nH+sZj5WOAXUk16kvw0+HPxk+IXjnwTp+l3FhrXhacQadr7X3mvfSI/kSmZCcbDNtTjJCncMYxXbWevw65+2ydIXULi1urXwjARaWwGVmWT7Y1uxJ+ZljyxHXnHB5rh/2O/Dl1oH7Sfj6S8mWGO3lMl7K0Ywu+/80yKBxjyoy/0we9Gy0RPM27t9D5ctZGmDxyWNvDdaf5kDI0jRIsoY4Ujnd1xwcEYxXrH7NQY/EnRUjuNs0t0rlSm1jjgL9B6VxHxNsYx4i167svKvoLm/m1WzliLASLKxZdwP8XQexrpP2X7Vbr41eGZru8kkuftAaeBOFiztVQD3J7jHHXNTzX+86rXTPcv28Pi7o37P2neNvEXiTVk0u21K0/sXTcW5mF5fvbnbbgDplGyTkYx+Fflnbws+mxPx/q1OQvbA4r9cP2q9Ch8c+DPiXY6lptjq1pHpz3aQ3dus0cNzFbtslRW+7IvZgc5r8lCGmtF3fe2r94Es2RnrXqSa5VbzPxPxK0lST7P9CWzboAu1cc57VNGNsfygt2qOxjaVWYK5CjLc9KsNILdgGG1lII/+vWTaWp+VW1PPtfdvFnj5LFeI7dhCBn0++fqa+z/2Nv2N9Q+Jug+ZcX114f8AB9u4SWa0+W61OUDlEb+4PvEk8HtmvjO0B0j4vXsb87p2ZD35+cfmDiv2E/ZA1ew139lHwPfaeYfLt4ZNNvvKX5be9V2Yq+OjSI6OD/F8w7VGMpwq4ijh6r9xpu3d9vkfv/hzh6eGy2tj6UU6sXGKdk+VNavXueP+Lv2L9S+BdpDqnw78Xatp9xDKsckOqXzTWE6OwRFuInBjKbiNxZSAASRXyN+1P8OrLV9Bk8W6fof/AAi9/ZarNoXiXREi2ppOpRZ3iJeqxS4Z1A+6QQO1fpf8W9T0/Tvhj4ia+bYt5ZzWqqerM428enXJPQbc1+cvxo+LGo/FnQPiBrOpJbx3njrXbaSFTtXcLaDyEct93JVVLE92NctbC0sHjaf1bTm0a6W9D6biD/hVyHE1Mek3TjzRnZJp9FdW32OI8D682v8AgmOaVvMuIUe3kYfx7e/5GvvH/go78TfE3gv4Xfs2DQ9f17QoLv4bW1xLFYahLaieRdih5AhAYqMYz0r4B+FUL2/gu8lKqv2i4kKDO7G3Ctz35Ffqr+0rL+z9H8Bv2f5PjRH40n1CT4f2/wDZA8Pu6q0ASNpPNABDHf8Ad+terNe/KMT+e+G8PKVLG0qc1Tdoat2Sbffofn/F+0P8RrvMUnxC8dSW9xmF1fX7jEgJBw3z4I+o6Gu2/wCCMR2/8FRfheo43ajekDHQfZZxXreozfsJ2tlN9lh+PH2rDG3xL/Ft3ISPu43EZ79a8l/4IsXf/Gz74YI3mM7ahekEEHGLWfr+H61rh4u7u7l4XB1aOY4T2ldVP3kdpOVtUf0eA5ooXpRXoH7qFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAfB//AAW7ZR4F8Mq0ZI+0OS27AHySfh+dfkf8Q/Fdlb3Etv56NNGcMmwsRkV+s/8AwXK1U2fgrwjDtDLJeM784LAK/wAtfjF8QdUZviNqzpvjkknykYG4IMLxnvjp+FcuKxE6UVypavr8j+PfETK6eL41xLqStywp7f4UY+o/Pe7Y7e6kVgDkxBcN39RtyeM1y+u+H9Qubjy4dNmdlYghYAMH0Fe6/BX4c2virxNbt4muFsdFuHzJMzhZGPXKE8KBjkHrXf8AxI/Z28O/D2/8aLH40trjTbW6gj0m4t5oXF1uy27HVRjAIznNcf1yd9Ej67JeBcVWouvTsrdG7P8A4B8b6h4G1mS32/2HfMcZGIR/jXO3vw91uANJJo95Gu05LwdfXGDXqmr/ABL/ALPmnt2kMkMbcSAYyucAg+/eqN38QfN+WOQkDgKB0qvr1VbpFKjWwdX2VWGq/rRn09/wbi+If7O/bb8ZWytEpufAt1GvmJIRG63MJUZX5V5yDv69B2r9qPh/ey6v8Lvinc+TCvmxzeXsY5k22gGWBJ+Ykc/Wvxj/AOCIklro/wC1x4w1SOW6tZLrwg9tIkR/cuTcxENKvRlA9c89K/YD9ml1uvgX8UJoWZ1muLrac9ALVR1+uamtWVSSk+z/ACP3LhGzwMJR2v8AqfiL8QjLZ65qU91NGdxD7IR/rD0wVHXk1l2VpHI8czM0MbRLuhQ7E3tkE+g6ZOas/EK4hsfFtxa+YJPt1zmVwMyxYJJQMfcdqra6lvPoGnwWczTTXUebhMEFAGb5MH7xxjJ9K8On8KP0ip8Q3T9Yaz8P2821mvjHEyqeY0i2umT6nI/WrNtHJpi2gaSOMwyC4hkT5fKzncSfXjvWbbtJNKJJkmSSaMK0WAoQBsHjsMH8K7Hw78EfGXivw/c6hY+H9ZurSZlFvLHalhOqhlPP1H41pK/NYnRGXqNtHY28k0UxkgdpY1kH3JyQGBPuOTxWfHYRhorqSaf93bCMyFRlgCRz+eMd69AH7M/xE8ReGYbCTwfrTXTTkbbaDJkHlkcZODgjHHJxWPefs6fEqJILe88I+IFZRGIo3tcPkktkKOWyufyoV1uKVrWOdi0Tz7fcFWWOGCe2Maf8tHwGEmfYc/jVfU9Im0+yW5svLmtnYgNn5mCqHH5g9O9d34T+FHjLxh4XhOg+F9Y1G1mvzBZXEEO5bllUq0QOfmfI5x0Cn0rT0L9nHx9YTW8M/g3WkgupIWtY/swLTbQynaqnJ5ABx0qpNrVC67nlN1Ar6cGjaJpI96ug42/xDH19KvaJdSXYtYkCtJG4P7w4VVO1hk9FUHOSeldR4n+BXijwZZ6rea/4f1bSYUlaQyvZvt8licbuMqOnJ4964vw5q1xYm7uo99q01q1pdGaNceWyjcF7rlQOale8JaPmRvaxp8dx4wtLPaI1OprFNs5VY3ZeM/xZJxkdQa9+/wCCgfhDSPhj8RW0/QNPsdKtbWyWWSK0tESIL9slgVio5Y7QuWIJ45Oa+d7PUW1DWdPL7RdNNaSpsyP+Wi46+wr6y/4Ki2W/42XHltHH9o8O3IeEn5pCNRkPH+7/ADFXtFp9yLp1Fbsz5/8AhBe2vg74uw32rac2sRx2UWoraQ3ZhaSWNkaNpGAJChkPHfIrtvFf7Z1npH7VTeONA0G4sZrq2ubLxPZ6hfiaDxArjYWCKgEIAAYEZ2tg8nJrxfS9RXTNU0jUZ2Xzre2+xkqn+vXa/U/3gcHPtXP6i63mux31w0e6YyK+fUL61qopsz+Ja+h778M/2tI7b4l+KPEniXw5PrGveKmkE5j1H7PHDYymIpbx5VgMLHGqtjIRcYBNReN/2i7fSvjnqfjTw/oq6St9HI9/p0t/JdQ6gsxVrhWkwvl78j5UGFKBhXinhXVZ4tVaGFdsNxwm5BvK8E4J6d+fY11uvaDbT6BfWM3luZIWSRQ2CQX4Yd/TpWVWLj6G0eVvQ9df9qjTtP8AFuo6p4X8Lw+Hde8TKq3t+92btoFO0syAAJvP3i+M5AJ5wa5z4PftZt8H01HQLrR/+Ei0WRjeJA1wLaS1uHUwySKxVlkjmiZRIj/eYA5BFeRy6lc+Hogyt9u+ynd+7HzSKAAXX0B4yD06VXvDcatry/djtJIPNc4zwu0jJ9BgD61EV22NOVPSx7x4r/aNsNY+Ft54Ug8F6HommXiyWwD3kstvaAzCZCsQA3SLJn52OCSODV3wj+1448E2uh+IfDNr4rGmIlvBczXhijuo4VKwLMjRuHeNSUWSMq204JyK8SgmsX0hY7iTfJ5qyQKq7SzYwSW69T0PpUsUE0ENvaxxlWRtoVT80qnkDPYnrQ4q2hMV5HrNl+0pd3Pxot/iBrVpp+oagts1lDZLI9tbadGsPlwxwjkqERmXnPLbjk81x/xy+J9n8SvjVdarY6Xb6DNqFglld28N29w10UjRA7O4HJQImBgYTuTmuZuprS6shcFp2aCcFmbj5WGMH8ahu1axewvI7eaT7QGXP8aOny857YIyKmEtRyimWhrd3rWvR/atkFpN5MRC4YEGNVLY525x1rnbazM+qz2o3NDExjBckyAAkrz3GODWzNcSahrPkx3AghkDSAqAqsyE8D/CsXw/e/2RNqEqyrcCScwyEdQ5HAFdEb7kcqtod98LNSs/A15pt3qGm6fqVvb7rz7JdFlhZ0OUY7OdwIB/CtL4t/tET/GbxHb6jFosOlXF862l7dw3ktw9712SOZM8qq4VQAMCvNLPxZdazYW9kYCkF7mAPnLFvmHI6+n5Va8HXNxaaLdW8jCOeS4tgXWMfIw3Dv0+9QodzOU2uh7sv7XtvpfwZsfDl54T8L+KNHgtf7Mht7i6ulMEeS6sVUj5VkeRxz9446HFY/gn9qy88IfDzRPC+peEdA1/TbG4nt1TUBIHnkeTzFmJ5CsvKqevqa8L1LTzpmh28k146SSiRXEY2tCVZiA3971GK1PGkcNnZabIvn4kVLlJQ+fnPOPyNbKlFIxvd7Hp3xC/aB1D4o+CrjwnY6HpPhPwz5X2p9OsMtvZW37pGbBO1xvwoxuAbBwKLj9uf+x/DWk2sfw88DXN5pPlwQ3s8LmODaCol8v++2c7t2Ce1cD4btZLrxDqTSyL9kvIGEDSDmPHBYH3z0rDvdKkvfD1t5cciQ7I22BMnbnBz9DVQpx2YXs7nWf8Lq13UfifbeOPEj2fibUIbqO5ls9UUmGWJBtjiCKR8iDkAHjbXsF7/wAFKfF2o2e5fBfh3ybaNo1LzXMjBAW25UN235xntivnmwl1Kx0yRPJRpJWRVd4/mhV1BHI9c962Jbm+0vw5NNa20FxNKqIwlQSBwwccZ5DAgHjmiUUnYFJ3uL8Sfi9q3xz8WX3iO9g+y3WoXTTXMSRGMB2woSNDykYKhQeSQK5ZvDn2jV5fLu2tY1XCJAAvluNrPnv05z+NamseJ45bG81G2lbbHe/ZtxjPEYYDqeeCT2qK0tYZ0j1ZZZJPtTsrMrcH5T8u0/ln2q3FIIya3PZ/hl+1fdfDfw3D4dsNC8H30Ss9tP8AbbSSdZ/Nj2vMxEgDu6EoeMYrzRNW1BNe1C+vrWPR/MeO+iSyi8q2tlckCOFedidgCeAMVhaa8J13bLKNrKl3DKVCb5FX5QR25zkVZ1u0m/sSJvLbyLqNnRFlMkcLiQtyOmeD0PeublS2N1Jdj1n4RftI6t8PYodP0XS/CV4l432q4F7EzXE8vkuEkJWQFgqFh7F+nNee23xbj1XWPElxJpuixxzXUN8NLtLEQ6cjBseUkBJKocnK7uRkmuW1aKygfTbyN54ZFuEZJEf7oLDfkcHB5/A1Brt/Jp+g3C+X9juJWKvKpH79xKRx6D/Gj2aRfNfWJ75B/wAFF/En9ks91o3gp/LiVYYJNG82IJHhAojdyq7VyowM4rk/it+1fr3xX8I6Z4fubfR9Ps7GV7+FNPsVtxLMVAJbkkgKzDHbca8l1Oxk/wCEXZYoJF1BQFzn5hwGcD+tVbnXpA8bKIV8vAjUL0Gwbs55G70qoUY7omTjfQme4uNPkmspGW3hKxyqcFjMQzAqc9Mbema9g+EP7Ut/8I9QOq6XY6XeTTReUxurMzCKLYAyI2QfLK4BGccV5rrGgt/aFjPHJ53nSuGY/Jvz84C9zgvWh4etf7L0qGK8k8nzlaHy87s5xzu+hHFKqo6FRvJanS/Hb4iSfFrxhJfTWun2t/cRRO66dZi2iuOP9ZMuf3kpz8zE816v4a/a0+IL+H9Gs2/sq6h0G2ktdNvLjTxPfaewwUVJnOSoRcAkdBjnGK8N1S5t7+1gjihmeSGIRz3Hl/LIy4JCN0IGQMckd61PDuux6XJeQrKBDHKoQu+1Q7A7XI6EDcV/4EKw6l+zi9DZTxlq2l/EGbXLHWb211yO6kuoLxJP38c2/crszDLZLd+OSOldL8Wv2tfF/inSLmwmubTT18UQlNTbT7VLVr4jblHI52HnKqcHGOnFcHpGoR6rpN5DcRyEvt+zy42uFyMEj1JGPwqvcC61Xw7NeWm7zbEqJWmPzIucvz2+g5qr3G4RWprTP9j8Qz28/wDpk3kvHISu/wCzqoQqzHPyYOAM9ea6j9le+tU+Pejw2trIqHUw/mytmbbwBx6Z5ry290P+2PFck9vqE32GXy/OuFl2GdnV8/MRztwPrjNejfsaSBvjPocYHmK12ltDdtnduTBGT3zg896Uo2tYqPVrsfQ37cXxK0nT/hz8bdBt9f0/S/Hs/hsX+kWd6/lx6jD91xGeAZNobAHJr8tbkZt4j858sDJ7jjP/ANavsj/grBZRah+0NJvUuRoKTKSoby3RyFOewbJ+uK+M2Mjn5tzdM98110cUqjcH9l2PxDxNjVpYijColyyjzK3qlr80WtOn+12nnbWQSKGKyqVOPTFWC7Y52tjqR3+lQ25XGNuO/WpgwbqPrQ5a6H5ZKXvbWRh+PPBs3ie1ttVsVf7dp4AukjXMkkI5EgHVmXoQOcc13H7K37b3iz4BTSNoOvf2Kt6ojuLaaAXFldr12vG2VIB5HG4HoaxBeNaSJIhZZIuEIPNY3iPw5pXiC5+0XFmbe6YYeW2whm92HQ/hVTjSr01TxC22a3XofZ8M8W4zKJXw0kr6NNXTXZpn0J8Z/wBv3WfjDoDafrGv6XaaZMuZrTRdPjtDcDr8zcsQT2zjHUV84+K/FFz8T9St9L0q3aKxiOIoixKqO7t6cVXsvhnppn3NPfzL6YWMDHrjmum0eW30VPJsbWG2z1YclvqT1rPC4LDYaftU3Kfdno8UeImOzPDrCPljTvflhHlTfn39DoNH02HRPD9tp8beZFboE3Bdu71OO2TzXZfEj44eLPi9ovhXTvEesTapZeDbAaTosbRqn2K1BBWIbQC33QMnJwOuK4Kz1N926QsxXLDC8HtX3Nb2H7Pf7HHwY+FOmfEz4T3nxI8RfEzwwnijUtejvJLaXT7e4lG2O3AYK5hjP8HOcZIJraKlLqfC5TgMRinWSqqnGy5m20mm7JO2+v3dTyL9qr9nDw38Avgx8A/FekrfXWofE7wzJq2qR31x5kEdyDFholULtQbjlGJFZ/8AwRg1ea+/4KmfC8yLH+8vr3dsiVAv+iz9NtfSfwf/AOCaOg6V+2V4ZFzM3xU+A/jTwzqur+GNUleSaCFoYQ8cExRtqSxN0K4V9p43ZFfMX/BFSfb/AMFTvhen7x/+Jjfgnb0At5xz+ldlGFp3R9Z/Zs8PmOEqKCgnOKstb8qV5JrRqXfp1P6Sh0ooXpRXoH7IFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAfn3/AMF1yD4V8IL/ABNcPj2+SSvy5/Zz+B99+0Z+2lZeFbGyF8bi4+03EbTCNFgjjBkZ2JGFHfHPHFfqP/wXURH8K+D8tlvtMmV/ur5cnzfh0xX5cfs9/G9f2aP21tB8aSRyzabpmoeVq0MQLSS2EyCO4VQOrbWLAdynHNcOMs0k+5/LfEkqP/EQq31h+5y07+llc++v2rf+CSsPgjwjNqGmpbasui6HJLZ2soIha6SUPINqEO7tEZNnPzFQvU5P502vwwh+O8V34f8ACcdt/akN9IgkW3ljlvrctujumV3ZQTjbsXGMd+tfqx+2l+1F4E/ai8JeD9B8NfEvSNBjkvYp01zdPc287ODGluGiw8czMwPzqduAOc18l/tafBTxJ+zjZf8AEl1fw54lh8B6vbxa5/ZMi+fpEtzLtQXW2MHLsCoYliCegzXjzk4Sdtrfif0dTlgXhKkaFNTe91r073Pnz9sv9mLxR4Q+Klv8O1srTUr2w0uC7sri0g2S3sQiBZyB0Izhs/3Sa+UNF8Py32GX/V4ypHcdq/Rf44ftaSX1p4m1bULGyk+IXiPRX0XTZ4jG76TbXMe15WdTguIvkCnDAAZANfKGh+ArHSbCK3t41CRLsBI6jHFVGvzPU/LePszwlPEwp0JJztZpapLp87H0B/wRB+HE2sftDeMGj3brXwszNn7rf6VCP6mv2A/Zv8HP4Z+CHxDt5GaOOa5u1VQPmAFuAT9Tg1+dP/BBvSI4f2hvHyqqea3g8bdwx1vIuPYHmv088B6WulfDH4gafBbxwRR/aFjhVjxm2B5J9ev41vTtKUPR/kffcB1ufKoSfd/mfgT8VGjg8e3NnparEIrh1eWT/WRFZWVsH+9/Q1c+E3wsuvih8YPDPhjzJLaTW7xbZXU5HTJcDruPC++af+0Z4g1C38U3NrBZxtDYTS3jyCDdsR3EjBu524OPrWRDPew38k1rcT295Zt5lrKjgPGVJK4x3zz9RgV5lOPuL0P1KTu3Y+sNL/Zg8J+LoItJt9Dh0Wa6ilgGoLqBkuLRkikO6Rdx3hSmXAAAUMO1cX+zd8ePFXjzx58JvD7yTWeieG762s2trSRo4NSBuSWlnB++SjbAp4Ck9M1574z/AGmvHnxK05tO1TUtPnW8tHa6uYdNitLy5yWVg8ygM2QSDjg9GzU37LF4E+P2g6lcatZaZZ6JqFvqV9czzLDGI4mAby92A0nAwB7miPMt9zFw928j2L46/tI+J/gP8cYLrw9dLJbSeFba0fS5yX0+4ilt5BJhMtj5mVwww2UrC/YU+Nd38UI7X4c+J7iXVpWiuYNAvdQlMjBpImNzYvNncsM8fCsf9VKoYHBrI/a/tYL34iaPrq6h4ZvrPUtHg05I7HU0upIJYUCu8gBOyMlhzkjg+lanhDwHZ/sv/AHXr7S/FHg/VvG80YhNzDqiStp8ErbWFkmD5soyMtwABkH5edOZbMz5U46bknxU8e6f+zT8NbXwT4Li1bULLxZZS6lq2s3szRfaYtzxLZQ7f9X5X/LcpyzqE+7nPXfBXWdQtv2F/GN19quLa+tbbWYLWdJSstunmWJxGc7kO0ngHPzmnePPEXh/9pH4EeG4vEGveH9H8Y3Fmbm6uGvYgIbtAojuWjySPtMaKJkHIZFcDJNVfAVjb+Gv2R9V8FX3i7we2teIoL/y7i31ZLmG0eZ7UxHKEP8AMIHJBUkAjNEZa2DVxRn/ALIvx71zxWNa8MeJr6412zsdFvNZsPt83mNp80ADyRyM24vbzRBo3jbcPnDDBFeS/tQeBdJ+G3x517wjpMLLZ6TdobRXbLCGRfMRf+AhwoJ7LXpXwq1H4efszya1qGq+LrPxn4k1W3ktY9P0VXVHhJWSWLzmACbyoVnY5CFgqkmvAPF/xB1Dxx8U9a1rxBJD9v1SVru8CDylZ3kDgID91QrBVzztAzRBrZF8rcm9kVrKG30TUEupvNx5yhV6bvLfcRntxgeoz6V7d+11+0Ja/tJ/tK6NqWl6XqGl6eumXFgiahNG0kszmWeRhs427nAGecDNeU39rmRoZIf3T3O91bqruqbRjrgkfjmu0/aR+AWtfs0eP/DdhrV5pmsXLBbspbROsQ2ERPGd33z8pBKZGaqUm9GKMUmn1szzPwJ4UvvEa6fFDZ3d9cwukrQwxtLIFPBO0ZJABzn05rbg+DOvTCa3/sPXDJa3Hmw50+UtIScbPu8BlIIPuK6n9lvxZeeCPibpc2n3sun6hNqNoImt3aN0T7UEaNu20g9MHOMHPSvrL9oz/ha/iX4z6PofgPVPFXh7w/cRiDUL4fvLPSpHu3O+VSCSoypIHGDjpT5rK6FGKvY+BfEvhm90Txfbw30NxZvbRK8UMiFGdDlc4PODnitS5McGk2uoXUzSNdwRW6AHHlqNycn6qO4616x8XbaT9of4teIPEXiLVPDvh/8Asewe1uLiN2SOVLUi1eW2hHzs7FTJtBCqXGKi+KP7PT+BPDcNn9ss7rVEnhs7Wy4S8nkc5y0QdtjiPazxnG0OOSampVUo6FQjyvU8Wn0X7GsnzeZNFDKwABG0ZyFP/AQKsTWM39lTAKsLNA6AofnlVlDhT6dK96sf2PNQa31jT5/EWjQ6pY2sV5faaYpHe1WbCx5l2hGfJQNsLeWHBauK8EfAvU/EN3q0NxLHo9voKumu316WWDSIokZZd6r8zOpX+DkkqO4qFI05ovWLPPfOTw+kNzIo8mK3KMw+87MMKoHQ4/Oq3h4y+IxYmZPLRp1Rgucx89h/XpXrnj39n6x0j4Uv4gsdes/EVi8NvNHNDbPAq/vxCysHIcSIeduOhryXwvczT+Ikgl8qOGKVZRs4aNR94Y656HJpxldPQPtWudF4st/7MvvKFqsy3mxonT7rgDIbHr156cGqWpadd61st2mMb+YGR943dSXx9flrrbOwk1r4f29xJHD9o0XUJLVldvvpIGMR98fOMjjgVjfZ1nvNhhkhu45VeTJxvYkDk9uOT9aiMpRew5RujlvE/k22s2dxC6TQ6e6sIm+ZipGCBjvnuetSWPh+PxFfXkMMEluocFWJyHI5B9sVf8Y6PDbxyYeFfMzwWBBKv82D657VLqtzHZX8KO0kbKiYliIVjhRkLj9c10e1tGxjGi0zDv8ATrg/2TBtk3Ne+UZY1+ZmYhlH6ECui+IfgvVfh1qT2OrWN5p2p3axXAiuflM4DMY2XHUFVxn1Br2n9nLwBo3w7j034heKljvbVdUisfD2mTMc6tfyMqGQk5/dQqcscYBA9ag/4KCWvnfGyzSYI0lrY2wVIo9pEfnTL8oXsSTjFTGppdMreVkeP33wz1DxL8OtU1i10m6lg0fddXtzHF5kVsgA3Fz6AnFcrrDnxHBoirF88+moEiQ7n3q+zaPVugFfXnw38fap8Qf+Ce3j221C6luYfDqXOn2akKFtbUQRfulYAE5IBJJJrmv2AfhTo3xB+LlnqyS+YNI08x27zLiOOd5IoyzD+8oaQgnjgGtozlaxzysk35nmPiD4A+MNA8JabrWo+HdY0/QrW3S38+4T5HkZQHJIOeoHUDqK4S8tZLEedY+fA0YeIITwzjJAPYDAJx7V90fsseNL343/AB8+L9lreqS6p4V8RXxuoLWRt8UEKXTWwCA5CgRMFwPRT1r4v1/wnNa3viDS7WeZbjR9VlsXMqcvDEZE3ZHQ4Xkn+970RqO9mwduhh6XqU93Fb26z3UKqrF1DY8wKW9e24cDqDXbeGvhp4k174d33ia20+8u/C+m3EdpdX5AjWGUk7mBzu2gkAkDgsAcE1D+zX8KdQ+NnjbTdHt447bzmkuL66n4jsIgwLSMxxjauTgn8K+qvi/4u8P+IP2D/FSeCkjj0TSbhtNtbkt82qiK6tw1y6dt/wAzKoxkAZqZS1Go2R8V3Vrc6x4xvrWe1s1E1uRFHCQY12J8rHPO7K5yetbfxA+E/iz4caVpv9sWf9kr4hsGvNNkmxJ9rRSGPyrkr98HBAYAjjFd3+yp8NoU1LWfiV4qf7P4J8LW3kgRKPN1u9JGy2jB9SFyRnChq9N/4KKwf8JRZfDvVpLdbX7ZbXzosLDyonlitioX/cPGKJVLtLoPlXNY+avht8KPF3xguFtdG0C8vI9Psbhby6ij3IWUlgdzYGeG4HOB0rU8A/DjXPiprWn6ToNvJqV1JA6/Z43+acna4IBIGdrV9Jf8E1/G+s6n4J8f6HqV5eSaVpdr9oS2Hyw+dJI+WRe0hyckdc9K+UvDdpdWHivwneQ3MjmS9sthBO1FWZVG0jBDDHfjr2pVJO+hXM2zZ+OvwU174W6dpj6tpN9ojyROxW6AzJ5ZVWC7WIOD1HUd6y/h78Pta+LHiCTTdNtVv5o3aUKAoUKo3NJufAUAgDnua+5v21vhfafFPwr4y03Q/tVxrGi3cuoSKqiRbTUFhR5YwOwuLfLhvu74CBya4P8AYV+F3h3w/wDCl77Wmhn1Px8lxFptu0W7fFboJmnb/ZQjODwCyHk1Eql0EZe5zHh9l+yp40174gSeG18N6hD4g1C3j1GC0EkTTSRK21sJuxjpwcHGMVh+I/2TfE3ge/0+TVPD/kyate2ljYzNNGFu7gouI1JbO0BWG7GMggnNep+NZbjUf+ClWp3EzOyxeLIo2nEmGkdfKAwR22nGOmK9B/bc/Zu8T/Hb4mWusaGNHj07T9IWxVbzUIbd1f7ROWVEYgn72dwHTIz0qYyexfVXPD/jR+yN8RvCXw4jmvPDTafa+G42muJZLiE/uvlZjjeSzHIZR95gMivHdP0bVL4wz/uY7BnkZZssT8rfMMduCPyr7E/blsLzwn+zL4J0i+VhdWGpWYuYTIJFnnTS/LVVlBOYwCAD0J+lYvgb9mH4b67Jougtr3irUtV1rRoNYuhpMdvJb2ReNnlV5CDjZ029QSB1YChVHYakktT5y0uxjfSIY/tN9JDGPNt1Zyyo7csACcKp2j3PFUJ0MWmTwbSEchpHQgFgpz1HfOK9Y/aV+Gnhn4HeMLfw/wCGrq+1D7HaCHUze+Wwt7gOx8oFBhjGCu7uGLDtXlNnbtqkRWRnVY0BIjYjzQTUxu9WaX0TSOmjmb7Xp8ljuXzEKOHYs5MbYVQc4wBzXNrD/aOteK9Oja4WRkFw6KMsrZPIPsB+eTXXeCNLXVLbT2WRFijubvLKpJOcFVY/xEAgcVk+LVj0LUo9YEdxI09uwaGIbGfBKkMD7Dt61alY05bHL6tfXPiTTdKs1t1eRWSBo4mxiRX2jd7gN16GvWP2Tkn0X416El1H+8XU1iaNlwwK8YPqB6iuD0nUZ49eWOCD+zIrqRftAO1WZxg4HuMc4r1D9niyuNT+MWjzX0nnSafdxuvz/OcyAqcD68n0pOV2rdyoroR/8FUIzH+0GygbvM8O4yo4TBPH4k59s18YynazV9vf8FUlW1+M1u77Jmm8PSr5LIdynzBl8/gcV8RuoMe0/erHCv8Af1rfzH4r4ufxsHb/AJ9v/wBKf/BLOlXzWVtcKsaN50Yjfd/D6Ee9JuWKPavcHOetRx/ImcMADnI5YnrVy4d7mT94ki7hg5jOcgkjn19fauxysfk8ac2rpP7ipMdg5U/lVO5kBXleT0OavTAkBdrcnA/dnk1Wu/ntmh2/eKyb/KYuABwAemD6URbZtTw8+zIbKUOduSGHp0qylu2/8eKrWBVduNw55wvLfQVeiv4SSu5uuASDlvpW1m0Y1cPWUtIv7i5ZwlTiTc3r82AfQfSvt/4e/Ab9or9qn/gnjpehQaJ4I1jwnps/27wimpyRw+K7izhO54tOyMG1Y5+8wJ2kZwMV8OKqzJt/ebW6/IeM8fn7eua+tPiJ+1P4P174G/A74jeGde1XTPjV8DY9O8Onw3dwyPp99awkkXsW35RGxAWRQQXzhgMAnopW2Z7HDNKMJV5Ypu3Lsny8yb173stbdT6c/Z++DP7RH/BO74GeLF0nxd8K/iLpNlp9xqOoeAW1K4nvdLl25me2KKCzqgO6PhM56Hk/Of8Awbd6bYa3/wAFIb24u7VbiW08Nalc2L7iv2WUzwAsB1OUZ156VX/Yo/ac8H+APjX8Sv2i/iBrsn/CxmW8TSvCGm6a0EXiGfUIzG8vmdEgib5dh5UYJJ4FbP8AwbTaJfX3/BQfXdSW1kWys/DV/HO4BCwtJcwsq89c7Tj0rpoS1sfWUa1OtXwHsL8qm7Jvmaitm+qb7Nux+9yfcH0paB0orvP1IKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACijdzRmgAoo3D1pNw9RQAtFFFABRRRQAUUUUAfAf8AwXRMcvgjwjD5cbStdsd5+8q+XJwPqa/H34g+GbweKNQvljXyrh96neM/dA6fXNfsJ/wXQgU+CPCcm75hdMAB/wBc5OtfkT8SPGSQ61d6WtsxltW2OwIKk9eDXNiKdKUP3rtqfx34kYjFx42xCw8VL3IJ37WT8upi+GfiVdeDNVtLq1maKTTbyO+gUjcIZ0IKyBTlcqRmug8SftaXmv3/AIrm1bxDqjyeNnEuvB9xj1Flk8wM4C8sJAGBHTArz4aTcX0xUeT8wOQz/dx6np+FZGpfD+91S9/0eaxAVSx3ty7dscZ21wujhtnJ2PWyrNs0oxcYTcIvs7f5nVf8LN8Naekbm+8lWGHdoXwjfh1P1qK4+OHhW3s28nVFZ0XIRYJGZvYcY5rkrz4IakLSVVvNLkZSMAO6xgHrwV+9XLz/AAK1SMM51DS8k8fO+V+vy01Rwv8AOdlHB4aq+eo9fNt3P0g/4NxPifN41/bD+JzSKbext/BI+z24OQo+3Q7mx3JBx6DHFfrT4T1A3Pgb4oSxq7eX52FySzH7KDx9a/HD/g3S8KzfDz9q74iXV5NDcLN4K2KLfO4bb2Fj1r9fPg3q0esfDb4mXEazBd865frkWoB9qKkqbqL2eyTP6C4RUI5dTVPZN/mfhr8R9TuPC/xL1KSN5F+1WsqKUJbeXUr5YPYlTg5yBXGtpo0qOxk+0eXI1qsjljsw+7GOcf3v0ruPi/4SkPjpSsk0m6R38ncGI5G7PsevHSuX12yt00m1Nr5P2m3IAjmU7JAcDvkAHp+FeNTlaCP0WUbyYatYvpkL3EcbzNIsazpKcZ4G9kI6HuD0rUt1hk0u4XbDGkjb18xNxIPbI7cjr3qnqupLqUrN5a7WQhR/BHjdn6UaP5s1vIbb99JMPLWKZ8MuFB6njnA/MU9xtW0BNEjge1WdRbrceZAHxuQ5To2R8vzEH8KpWMSWVwixLDIJIFhClP8AloeeOe1dPrXhqS30zT4bu0uoXuEhukjmUr5iHcobt97jHXOO9VLb4d654r8LNcaXoer3ltCzGC5is32TSLgMqMPvY9u/HWn9myJ5be93MTQFZdUs47h9sjSZ3DkKCpGcDnHQZ6U6y8Q+XfQsY4ZII5SRbhAOgwrnoWJyeR3rWl+GWsWN+ml22j6rNrAOZrRbSQ3KfIspVlxuXAOSSOBWjF8JfGEdhb3dj4a1yd44kjEiWUmyZfMO4qSuPbPrRJdQi7M5+zR4NStWWVf9JvSm2Rcl3ZMbWNP1iKTU/E9rNKseLyDbumUMocIQR7HIGDz07V0EXw58RQm1tU0PVk1G8b7TYWxt3FxchZdrhe7BO+BgVDqvgrX/AARNpN5rGj6jDazSywwS3Ns0SzMrfOV3DB27snGcUoyiiua+5QtXm1PU4bpvOHmXVu0rvMT/ABKgBzn0+lfSf/BXW9uIvj74caZWaOHT7grFkARE3b88elfNmkWy2j7VnkktzHBKA3BbZOFbH4ivpr/gsNpNw3xx8Nxy+Zb3lxp9xJtlHlqVa8fDZ/u7TnPStI2szGz54r1PDP2dvDuo+J/i94dtbS1uLq7g1GOSXy1yI4llSQyNngBeeT9a+nP22/FPjX4c/FPwz4m8Ot4i0nRdPtJIUvZHeOxa4M8sgVk3AMXBBwQQVxnivjxrqbStOhmhvPKS2lLQmOQh2YkKwJXnkDqeDTfE2t6hqY0+5nnu5ba8tyI/Mnd3LIzKT97G4gcmiDdrIqWlmew/A7Rf+E18XJfXfh278QabpumaiHt7OMSbZ5YN0MjLkfKZiDx/d966z4hSQ+Bf2r7fXvElu9nE2ux6nczyW4Dy2T7kE4OSTncx9SENfOtj4tv7PTrG4N3NbwLIItkbsiyFU2KfcDK1cvfEM+uW2uOpZnCvGgdi7q6FCMEn68dOvrS5Wo2BSu7vrofXnjHwd8TrT4j2h0vxteeF/BsYgeWZroLb6VaIuHngmw0cyMi+Yp3bt0m0rkVyPwks7b4m/B3x94b0OS+v77Ury5b7bqA8y6uLSeWKaC6nC5kkDSW+2RlG4GUNgA18o6D4v1FrmGJ7y6uLVZI2hs57qVoYiGIJEZbZ0PTFaGja3ercQ3Edzc281vKzL5czRlmyTyy47DH+NZ2cW7h7N25b/cvzPpK8+Ht78O/2P9a0XW1s2v7NftDm3bzFHmajHgbzgbkHYdK8RS3ks4o7WzitbtZH2J5zBWGeN271K4XBr0nwx8XfB91+y1e+EftfiKC6s4Z5iINPRluJ5LqO42+Y0nC5Upkg5GTXjWoXEMa200bRpHcsBEc73GF+XPbt0FN3SNIJ3fMdhay/2RpeoRSqtvNNNDKBI3mrIN+0gEcdWJz2rK1K5s9IuZmk83ztPljvG8xgEcFl4A+8cjacVdkFtH4ftZnWSbYpA8hDlwAdwOfugYB45Gaybqzi8eSzNp8clvJexL5QeTevmIOOuTjkc47VK11ZTjLboeueM/2wl1/wdrUdv4b8F27axDJEzeQzvArxg+ZDEwwHH5IckZrxXUtJl1PTIdQYbUkJhW42nccA9CeMkfoRWwvw9iuRHPe26vcXOn7zCke4mTkb+g53cYBHFV74XV/p8Nqu5rS3Y3sUErnyw5ADBU7A7TwCTk0/d3RKi0e3eGP22LNbnwvoep+BdIWxsvJ06G6+3MqW8ZcLJIgMZ2ZOWYBvmI61k/t4+K4bTxPH4Yt5oNQgso0v31SG4WSUl3kRYdy8KqJh8ZJzJzivJ/EmkyG501oWuvst1LMHwAFZVGQrdc8tgdK5W71qG/jz5bFYPmaHH3lAycY4545NV1uT7NJ3R9bfs4eBNc1P9hzxjoMVtp39ueMhdT6bFPfQRq8LQxIrybn+RWZG+ZsYxk1x/wDwT/8Aizb/AAQ+MP2XxFdWdjpviJn0eS4Zt8NpMrI8MkhHBj8xdhI42sTnAr5x1+33+J7GG1d91xbMjSbPmdOoz7Hpx2p8d9PNPbQ/LNEkySEDIA2cHH09MVsk7XRjKMbNfofbfw30yy/Yc8UfEHxprGoaN/Z1xeOmh6fBfRzz6mpuGuBGiBjxu8tCSMbcmvE/h7+3R4g+Euiahpn9h+FdWt7y+n1w3V1C+9ZLsK00QZWGUD7gvoK8VuDG9jDNcfL9nu9pCcqSVP7wEnpx06c1QvCslnazbvOtYbbCxxHaqsJScAe+efajl0ugUVc+g/Af7eniDTPHnijWLrw/4XvLvxz5EVysCSWq2lsiBTDHtJ3K6n59+ScZzmvarD9qm3T9l/VfiBHp2g6P4g0vULi2ttIF4DbmUvGLdvI6sCGZxxglQSflxXxHYThtc0/T2h81JI3jaRZcbxGSCB6HirBFzpemXtpLP9qjkeG5t2C7m3KSChz14Lcj0pNBZPSx7Z8Kf289X+H/AIW8N+F5vDPhu/02FJWe4YzJM0sjZJdADH5oBIDAdCBXon7dvxastM8Bad4f8OXOj3lv4zt0udTjjvBdTWMSLE67eT5LPJuypwT5eK+Pb3V49O06HUY1maYXmFiU70Ze7AnpyRwOmKta5Amo3txcozRNqCiYeZwTg5Kvx6txT9ndXC8eY+vf+CdX2jQ18W6pfapp0cetQQW0UUmoQwzPJDId0jrIyjkMME9c8HtXiGkfCWQ/EWHw7/aGi2d3ourLLJc/b42s9sbB3QTZVGwpJwCSzcDkV5f4d+IC2OsT2czf8TKYoYDIu0qqncQCMDGR0btUniLx5PceGbWO2gX7Z9rQxlY96od2GcnjHsOuecUpU5PQpNXb7n2z8QfizZ/D/wDa71zVptUtR4V+I9tbmN7C9juZtNubVUe3mlRWPlskihTuGGjZgRwazvCvxS0nx/8AtVS3Wl6to9r4N8F6Lc6Hp8txexwR3croxknhR9oCSTbh8owqKnbFfH8uqTeH9NYmbzJBLibdGf37bjyD3yOcHpWVNYXGm3cNvDJFL+9aGQSx7gC3KEH2ycj05qVSlbULR6N/cfVPiXwJ9p/bOXxBFrXhaTR9Q1+HXJLxNbtzHFbL5YIYgn98xT5UHLA5qv8At7+AV8S/Ebw/rlvrnhtm1iVNKiWLUrcmA/vmBkVWJSP51JkOFBGMZr5jebUNDgtY0tIiskkMrvgCNASc4wM/w447mtrxJrK3HhB5pLaNHhu0uCqKdwY8AAjGM4OfeplG2v6mkd9+nY+rv2rPCmn+Jf2YtLsofEnhqWfwv9juprQ6zCJJlis1hkSBQS0pMgJAxyOa2vhT4G034JfBm8h8J+MvAqeOtYtIp5dQvtUjK2oZHOUdScmFSFVSB+9YsRhVr4o8Rt9s8IWt1JaCWNX2SDyGbJJHTjoMnk+lVNEW3utPt7yOOWJGlaKRGYMqBSc+3OG7cZHNCi2r2JcUlv8AgerftMeDtL8AaZ4X0vTNYs9QurzT5bjUp4L4XUf2kyMxXIHygKFOM5ywJ5NchYxHxPp63kMaMqW4eGPqGK4GeOnXqe9Ur1pNX8FtNeR/Zo7Jn8jyz83zFhsPsQBz2yK2NM1+LR/DUcsO8XKyiNo0GfLRiBww4I9etJuysbR1ehYKXHh+za1WYWv+lq7JuHyl1XOD+ArDkmMN01rcMdsYMqKXJZjIzAn2Ut29a6DVnNxo7Q+ZFDJJI0nnuy5lPRQeOxGPrWD4s0GZP7O1QMPKkjDsVGfOVCQxz2+g6dazi0aqNlqY2reJbubW0jkYm4jlQ8jfJyu0t+Rz9ATXqv7JniBbz4o6bGrpJ5zpCzoQeQcD3yMDOOma8t07w7E3iDR71mzDFD5e7OJT5g7E8YBJ5Neifsd+Rc/EDS77y2jWS/8ANjlKgFsuVKnHU5XNXKytYXMknfsdN/wVD8La940/aDjs9C0261KSHwm2q300a7YdPtI3kaWaSQ/KgwgA3EEk8V8QvIkiK0bKY2G5WH3SvbFfrR+3z8GdN+OPwB8VeHb2/wBa0gaXbHxLHcaVOYjdy21vJttpxj97CVYkpnqM4Jr8iZbwQ2UagYZwCR2HsK0p0kryhu2fhvihTqPFUp1JNqzS7JJ9PvbPqD/gmD4jTwr8avFWsRxWtxcaP4K1W9hWeBZkWVIgUO1uDyB+dfeH7OfgTxV+0B8H9H1HVPi9eeBfEU9jbaoJLjwdpuoaRqcc8YkjktpAqkfKcFWbcpU9a/N39gbWEtPG/j7AO9/AuqRx7Rzny1/Wv0O/4Jf/ABEXxj+x94XtZJobq501F0gq65jhiWP5VH6mvQoU1zq59BwNFRymEO7l+Z0V5+wx+0LeK1xovxO8GeLNOaTYlxb+H7aHOe7pjKtjHy9Oa5zWP2Mv2mrFG8tbC6y25duiQDGOgG1uB+FfX/7JPxl+z/Gnxh8Prjw/Na2llYW2t2+s5BW9Mn7s25P8TKVyAOg617xGdaHjNmZdKg0D7NsjhMTG6km3A7iw+VUC/wAPXNepSpUZq8UfTSpTTs5P73/mflNqXwa/aU8DQLJJp2nxvGQTJL4fjlbd04IXPGT7YqzomqfHa1VUudWtdHmcbTNJ4AjvbdQOm0Rr5n6Gv1ga0Z03dB35DAfpVO7tPLZsxw8fecpjH5V0RwtNrQzlTm38Tt8z4e+Dn7PHxw+INnI0fxo+HcMioPlPw4EdwnfmOUIfXPpXsmg/sp/EbT4oftnxf0GaRUVF8j4d2Coi8E9XPfJ56fWveYE2qqxx7txAA/l2zWF4o+LHhXwIjf2t4i0HTXAJ2S30ayPjGAVyepPeq+r01uh+zXW/3nDR/s5eLxpkkX/CyLGRxG0Ue7wRpvyAgE/L0PzcnnHX611X7L3ww8VeDPD7TeO/EWleKPFaK1vc3Gm6Pb6fZx7mD5iCIHwyeVuDs2GU4Nax8TR3WmJc2sj3lu0XnIbdBJGy4yGBHUHOB607wP8AFjw7pevyaDqWvaLY+IbzF1Fps93HDdyxbVG8RMQ+3ORnGM1yylSjPlurm/1ayukz0QHIoqvfalb6VaNNczQ28KD5nkcIq/iar+HvFWl+LbIXOl6jY6lbtjEtrcJMhz7qSK15lsZ2e5oZxRXH+Pvj74K+GF0LfxB4q0HR7jIHk3N7GkgyMjK5yOOeldJoOv2PiXR7e/0+8t76yukDwzwyB45F9QRwaSlFuyZThJLma0LlFGc0Bs1RIUUbsUFgKACik3gHqKXcKACik3rn7w/Ol3A96ADdgUZrF8ceMbPwH4avNWv5Fht7SMvk/wAR7ADvnFfOmj/tceJPGzzT6dJa2trn91GYVY4zx1H6V8fxVxxlfD6h/aEneWyiru3e11p8z0sDldfFRc6SVlu27H1Luo3V8v3H7Tvi2BDi8tf+BWyf4VRf9rPxeg/4+rH/AMBl/wAK+Qj43cNyWjn/AOAr/wCSO5cN4t7W+9/5H1dnNGa+TG/a68X5/wCPyx/8BV/wqpqv7U3i7VrYxNfRwqf4oEETH8RTl42cOJe7zt+i/wDkjSPC+Mb1t97/AMj6+ozXxO3xx8TZH/E81H/wIf8Axp8Xx08TqP8AkNajwQQWnc5rj/4jlkb/AOXc/wDyX/M0/wBVcT/Mj7VzRXyXp37Vni6zgWH7ZbSBf4miDN+JIq5F+1l4rk/5b2ue/wDo6/4V6EfGjh5q751/26v/AJI55cM4xPp97/yPoT4l/ESz+G3huTULplJ3bI4yf9Y3oK8tj/aP1bxLppa1jtrVgTjYCzAe+a8q+InxR1L4pRQx6tPvSA7kSMbFz64FP+EpWK9kt93ytwpJzmvyHxA8ZMXPEpZPVdOha2llJydr33aWulmup6mGyGFKg5VknP8AA764+N3ieAZ/tBvf92nP6V3HwR+MFx4tvpLHU5Fe4IzFIMLu9sV5lrel+W+duR9KoeH72Tw74gtbuF9jCQdPTPIr47hnxezXCZrSqYzETqU7pSi22mnvv1S1QVsvo1aLUIpPpY+rl+7RUdncrdWkUin5ZEDD6GpK/ueMlJXjsfF7aBRRRVAFFFFAH5+/8F2h/wAUd4O55+1ScEcEeXJX41eM7aaX4gatDaK02ycsX2Zwp2jJ9skAZ9a/ZP8A4LtRyP4R8H7T8guX3cdPkkr8yf2OfgXb/tA/t5Wvhm81K10qxkknvpZriEyK6QorMiqpG5yCSOR0zXDi6fNyruz+VeK8K8Vx7iKEVrKFNffyh+z38O9D8KeJ9B1Tx9/ZLafdN50OnXzvtu4RuJJCjO4kcDOBxXa/G3VfhHoU3jLXtBs7GbTdc1aOHTNOmULJpkQVtyna25myVIYHHHOa/Rb9sr/gnh8P7PU9S8XxweH9OtdL8LvEtrd2++G3+zgsJohkIjt8q5YHkk81+ZnhD4fW/wC0B8TLDQtSGjw28N9EbC4h09IY9XRn3OsjKRwo2oB3yeegryqvuycJdD+hcj4deAwM42hZaPS9/vT/ADPnv4madfeAvLut0k2l3B2r5rDzISedhHBxzwSBXE3Pjn7QGj3sMegr9Af2iP8AgnD4l8V/Ev44eJLvVoLX4ceHJLq20uS4QxjzbaLzTFGgBLcBgHGFAjxwc1+f3hrwRFqdhbPN51v52xpXVN21T3C8ZK8cDrmlFpH57xhkuDwWIjXppRjNfit7LsfZ3/BDvxK0f7R/jD5pAz+FJF6c/wDHzD1H+Nfrt+ynctd/A74kSSf6w3d3uJQIDi1XjA46V+V3/BCb4arqH7SnjXdF50MPhNiAykbgbuEdO3HbtX63/Bfw/HoXwZ8fLbRQW/mNdjbGNqhltwmT7nHJ9a1XxK3Z/kffcESi8sg47Xf5n4e/GK0luPiJPcLHII/tCxwxEhS4UlSAOnIx78Zqv4L+HknxQ8Zab4dtXWO91PUre2V2KnyQWOMj+9xge5q58X7Sa98Z6xcT3kbWlo0qLGWVW3qw3EED3PPYCsHTdf1DRdei1HRLqPTr6yeG5gngfarNGU2EMOc7lLfUk968qm3ypH6jLe59Jab+yH4b8ZLa6Tpka6beahuistQbVGkuZHAYgTwE7SjYIO3BUE8nbXgP7Pvwvv8A42/GXw94XhS3Muq3qQsrttS3iU/M5PTAX+LPeuu8b/tQ+KvGU88M1jommXt82LrUrG2a2vrrcCJSp3lYy+SGKqMg8Yya7v8AZ90e4+CXwQ8W+MNNt9JvPF2sWajSoZb6FV03Tx80rspbDyOAdsQIdtoHtVx8zG0lE639szwroXxE+DcfjDwzq0t5oehzhbCRGEjtbLcrBcQnkBI4ZwJFODmKdcdDUf8AwT31e9S58XafI82oWGj6jY3tlYjdJFGxa4LSINyjDEAgDJO3JFWf2bvipN8Tz4stvGaaTHaw2sEGmC3MFl56zjy7y1KHAdXt3LBsfK0adyKi/ZL1K1+APxp1zwdqusaLayalDBe6Xe/a4vs10sErlI5JASsUkkLthXK7XABxkVp9pNmerg4tHz/8BviB4l0740+D9YOtaxFfalq9nDd36XEgmuWLqpjd85cMvVT1Fey/tS/HPxX8KP28fGlvpeuNb2NtqzWa2hhafS/I+zopt2twceUSSDjkEk5rM8B/s4zfDD4nadrHiDxF4VsfDOg38eopqP8AaitKyxyZRhAOTIwXaRyPmHXrTfEWk2P7YP7TfiTxvNqun+GPCN/qX2vybm5jh1G5jIA2orMPmcKMseFyR1pRd6ehtyrnvbSx6BdaL4aurTwv8UGm1m8tfDuiy3emWVhMySarBDJsSFiTuSaGYmOXs0JV8kgmvmD41fFXWPir8U7rVte1Brmae6zbxxfLa2qMD+7t06JGA2MYBJUEkmvpX4Y/tMeX8bNc8G6pJ4d0XwjYwPDpMdpdwSQ6TNDGywvHOx2zrOjNHMoOWDnj5c14B+0r8DtN+G3iS18RaRqWh3Gi6gy28WnWmqR3V5YHBYo6KzDy0IKrITzkAgmpt02CG+pzmn2NvZW1osaySyxI8YQD5SdzZBH/AHz+dZ2sXk3iOe4lmvL7ULpLb7O0k9y106/3E3MxIA6BeMVPHPHceILm3aVpIdUjSJUCjDFsZBY/dyAPfivo/wD4Kb+FLHQPinoVro9jY20FlpDrDHbWqW8MgSbbzsALMAOrEn3NVGNtxyk+ay3PmRLiDUfB8ccikSQo7Pg/e5A59wav2b21zp2ZrdWW3aSNWz9/cMjA7YJNUrHTZdG0Ftq74fLZyzMOCXIJPuB2qnoEM19a3EUMbMtuThmYl24CFv8Ax4GqSTu0F3aw97KH+yfl8u4W3m/eRF2Vosgcjnp8tS+DdYe4ttUZVjVY58MYxxh1YknPuBWSkC2Vvq0rXFwEXHEi7sKexx0Hua1dDkk0fXLm2tYY5GvEj80PhU2jAbg9TggD1rXlTWplJtOyKGt6heB4LiHZJG7HGAPkw3QfiFH410Oo3S6LpOrPa75PtBjkidV/1Cn73fuS3PtXG6kl3qeqyfufJ8ybfheFwDluP4cY6Cuml1P+ztDtWX7RcQ3EMQJYDPyv39Vw3eololY0gm9WP0r7RpetalDDCsn7kgEnOMhX2n9eazdLgtXsbZbi4k/tLT5leHy1JCszMG49/euq8LfCvVNR+GmueMo7rTW0zQ54LO5UX6Q30TTZCSJB96SNsbSQTgg1zrq2kajpsi2YmkmO53RMZ27iNx79s/WlK9kEUmbMXi2e332/lrCtviVXf/loPlDlV9Dk9amsNd+0Xtrawq7FSzMSdqKWycKAPlzkHPtWXfTrPPFtuGTyY2jaFRlZN4JCAnGzkZ79avadpl62t2zKtvaxH5llL4ilIXOSV6Yz93rWWvQ0d9Eel+FbqG48ExzTOssjW7xoxTKbo5F4yfvffxx/eGawL63jlijks4nlikTZA6xgeWD3LDsMHjms7R72aLRJ4HXz4orp2Ko25WQ/MWGf9oLz159qu6rNPrS24/ikmWOMHKQq/bJ7bcjnpwamTa2Ku2RXI2R28PmNItrvIdUO3awBLBunVa8016x/s+9ljk3eZGzZJ4JBGRmu5m1pn8SJbx/a1+xxmV43m3efsU7mY85JAOMetV/HFrpupmb7Osi3MaJ5scnLupB/P0rSOjIlqtDk9ViF3f2N8s0UNxZquE3kZzEEP4d/qah0nTmsmlVZpTOuLg56KjBjj8eK0tQ8PLa2Oli3Ns6XIEcjI2dowu0k9uufwNVZpltNas/OaFppke1Mf98qnGD9QSK6IyWxg423K1yy3MElmg85XVphI3Y9cfhyPwqLxJpEug+Ebe5hKrHcPMjhgQFGc4X1wpBq/wCHdOttcsgPs8kJOnyNEM+YjSKeWPfnJAxxxUviWy/tX4bWsilpI7e/ZDKx4IeFScD0GwjNEdwlZbHP3Esl9rulq0gjdpxJ5vRQGTGB6ZPOa6PT9T+zXlvDHI0LQ+ers5B2pt3c+5OcH3qjbaLby6hDb367RDaIpIP3yDgFfpipNT0yKw1m6szue3umRLdyeXcREFfo2c/hRLXRIUbRd2yjPZRDTpGDt5RuFnaN/nVECtwMdDnH5Vo6zd2+rraTGfy5kt0lRickK67lV1PX7uMDpg+lYNzdNfadcW5t5lj1COKSCW3hZmUgHKtj+9zitGTRX1WW4aG0uI3trWJmYKXWSNWORn2JOfrWuiWpk371iexFrrOsXFxcRLNPYK0jIqbVfCKM/QJxgf3SaZM02mWWmw+SsMl1PK0Nw75ZiwDKCn8IUq2COua6Gfw3LY2sYhT99tYTJEreao8sjJK9RyFGOvFc78QVaext7S5hureaymh3yOhRgMDpn1RgfrS5ruxtKLNW4txJpdxbuv2iT7XHMyHAWIGNeOxBDAg56k1E91dXvj/Os26/Y2cTW+1GiCKEwr4zhsAj+tWtA0iy0t9W09b5V+3W9rcLdyIylEWQoX45ZlycgfjUh1G6n1GbzkjZdPtY0Rm5DqWKFueem0kHkVIJXlZDdO06MRafb+fdedAGhjJI+XPzpg9OBn86rTQ3mmT3i3fltEzfuVJ3AASlSWHYAk1Z1FI5dFfVrFobi4tT9oMYBG3OUbP0qxq1vDaW9sitcTNc2kgfj7+FGAPowOT61k2zTlbNjVr3Utf8Ptp0N4ywwhbRdrKPMjwTtGOD079K5URSaVA0ELbVmu41uHADCAlip4/hPXPfgmum0RRovhiC9khaSFpoHlSQYk+ZsAkn68AVm6pJHHaXEiq0CzSrNEY1CkRscfe6lsg5z61PNZlRhZWQeHoEvkjS4ZWsQ5huXjO4l2yysc9QDz7in6cs2j+HNQJMMk1v5JRGG3Ic/OQOnAAIFVvC4EWpfZfs8kzQbSC8mFVMNxt6csfvfQVN4h8y91O8MbRlHAJlj6Ssm05P1BJrCTu9Do5bK5H57aXoepWdxeF5AzvbyPn5sYYLxwCDms+x8Tf2pZ2k1xDJJ/Zt0ySrjOEMRO4+2TxV+/0xp/Cy2d0u64vJGaCVR83+rLYx65UDH1pbGBTcXNxNFbR3E1tGZQMoJVWMJ82eOPbvTuuXUI3+RinXUtrG31NZLjbPGyBXIYW+XIw2OAOp+leq/smLb6N420iFZY545r3zI5UO4n94CB/sg7sgHnFeP6DYQzwyLpsrTwXDNHcW0vy7MKHHJ9mwPXFep/sraoj/ABGtLdSs8IuoXYlA0isdpC57EYGcU5JKzRWltD7K/b78awfA79mTxx4t1K1muLFdITS44oB5jG5uopI4zt64HqeK/GvV0YQx+Yv7xQN3PtzX7gftJlZ/hx4mt0Me+48I3kc6u2PNX7PKS3II4JGO4Ir8RL3T2ayjO3A2rjLdRjpWmFqJ+71u/wAz8b8UtKlC+1n+h6z+wjL5PjTx23mMu3wXqeMLnPyrxX29/wAEltFvYfAX9l2s1pCtzo1pq8EL3G3dIkskbA54DMu447gCvi39g7Qm1bx147tlWbzJfAuq7fL6k+WMflzj3xX0N4X/AGmbf4baV4TuPC0Fto2st4cgtrzTrW2+1211B5SqbiBD8x3SbnZRlkcuOmK4c4x1WhKHsX7zvY+k8OMNCrlntJq8YuV/vR9q+LP2oNF0XX7q0s/HEXgzVdNsxey66sKXFra3B3CK0Iyd0rqG3BVbCN0zXWr/AMFUdWvtBtdO0TWvh9f+IpoImW81Ky1Cxs2lLYcFSgO3qQ6/pX5P/Gzx/eeKvgtd6haNcaNDb+K7ZFjWAK6pLYSskpJ5Zm2sCx4BYjqK4T4cfELUtF1Rta0SGW61azZLaW0eWWRTGGyrIoO4K2SrMvck8CtsLnzq1PYpcsuvqfoUcjTw8cTLVPb08z9y/hJ+1n8UvH8q3lz4v/Z3GnqzJPA93fW08LKcMqM5+cY5DjIIwcc165rn7Ynwt8PRMt/498GrPbw4lWPWEkXdtyVTgk88Dua/Dzx/pHx98T3sWvab4f026h8Tw/2nPZ2lsoh0Uux22uGfIVUAGQTycGsK08J/GK2sJ5de8O2Fq7KT/wAfVla7W6KcmQ4HsRk16KzarBWUU36/8BHPHJYTd23H0R+zjf8ABQf4JfFDwhcK/wAStP8AD8M8B8yOd3iuU5ORtC53YXOATkEcc189x+MPgfrPjNbXw3rnxN8fX8ds2pXY0nSfslvZ2y/8trm4l8pYl4ONzAuSAAa/OPwh+w78RPH0NxqvjTx9MukWoWdtN0hwpmD/AHE8/CIoyMHZvOMngCtb9qX45+GPg1+xvpXwM+GetLrn9tXCeKfHOto7Sfa7vObXTYZmJaSG2MeCzMwZgu08mufGcQV6dPRR5uis2H+rtGc0ld3f3Jb/ANdz6g/bF/bm+E/7PnhzxDefD7xDqlx44vZoobpNHeW4tI4ljaQuG87yTPtACpGVBcPuBxXzH8O/hbH+2F8aPBN9J4m8f3N1r9wumWt1qUUVxLqEsh3bpJPN3KuJVJG7gJwK+U4WTXLqzupZz9jdzcxqrHbEjIp4A/iBLgE9/oa+6P8AgnzpNjqHh74K3y3TLe+FfFVsl2gus+c80qISw9f3anP+0a/Ms9zCpSqxxekZuSTaWnbbrbv0PvctyumsNKhG7Si2r90rrzt5HpOifsS3nhTxx8QvAd3408XTXngZ7SS5v5deuWtbi2uBIU8uByVZh5TFt5HBwtfKGnf8FIfHnw68P2ek6Lq2taRbpGQsNn5MEMCgAK6KEyCVIJLHPWv1h0fwra65+2l+0EyyIsl9pumxwzgErAwgu/n5+XGWx07da/DQ2cazRhpLH7H5bxzbYjIvm5xkjG5WJ549azwc6uIXtMRJy1kt7bO3T8zkpyjFuMUl7sHt3gn+d9D1XVv+CqnxKvtTt3vL671JJIhDNFeXS3MM+cfei2cdMknn0r95P+CV3j/UvjB+xx4b8Zaii2sniaMXC2sY/dW5RRC4QddpeNmGecMM1/NnqsKWy2I3aWl0+UkY2oO455xgZHy461+mX7FPgD4sa/8AsoeCW8M+INehtYbSXbDpmqSQ28Q82RgEUMAMhhkEcZr2spx1DLsV7dweqatf01/AxzfLnjMPyKSWu9umvY/aa6vIbK1eaaSOOKFd7ux4Qd81+d3/AAVd/wCCsMfwp0zTvDPwv8UW8etXFw4vtSs2SZrcKM+Wm4Fck8EnPpivGdZ+Bnx51m28q817xY2ns4MkUusTPG6912hyPzr59u/2EvEnib4x+LPhzdaddXWtSWkOs6VEt5FBJJJKrGErJJlM+am0/Mcg4617eO4156XJRg4t6Xf6Hk4DhWlRq+0xFRSSV7dPmfcX7OH/AAWos9b/AGV9WuvGFzbR+OtLtLmO2lxsj1KaNAwIGOD86naO2e1eW/8ABP3/AILR+LtQ+MGraf8AEjVpNc8O3FrNqa3Eduu/TlTDOFCKMxBfXJA6+tfD3w38D6jY/s8ePfttqsWoeGb/AEvX7RW/1kbiV7O6ix3QrJHu7ZX3r2v4W/smP8Iv2jdDhnZbnQfEFnbarbtCCyyabqMLI8Q7HZvZT7qK+QxXH+KjClXjLSDSl53bWvo0fS0OEMFatTqx1ldryslLT5NP5+R6p8fv+C23ju1/amN/4X1cW/gfS7zyRpUkSbb2Hjc0hwSGK/MpU4GefSu3/wCCg/8AwWS8SQQ6Lpvw5vbrwxeWL79VmKq7PKmGEGCDgEHP+0CMZr5A8KfsZ3Hi34R6h4h8zzLzwT4jfwfqMSZaSWKTcIJSP4djIyeuD7V6z4x/Zhh+O/7ROg+HZJFsW+JXglPKc8hdZ06LylYHr+8+zpnud/vWf+umPqVqmH5n76Ul5XfLo/8AErfM3/1byuCp1XFNU7p28lzO/f3Xc+um/wCCyml3v7Cdv4ijl8j4jXmnyxx2/lMYmuISBM6ttCt5alXK9gwrkv8Agmn/AMFg5fEPgHxXY/FTXLjVNR0WB9Xsr4W4YzW2TvUsnUISP4c7SPSvlm5+GFx4d/Y5ndLVZdS8F+IrTxJbRYDJEsgFtdwkHko3yBh6iu/+Hn7Kej/A39p0xW1vC3hDxNArWKiTMZ03VLc/ugzdBH5jrk9DGK54+I2OlGhil0ajJa21vG8tejW5nLhDLoqth2t3KUWt/dSlZPtZ7HKftCf8FJfHnxg/abii1TUtQ0vwm14tkukAeXCLeRx+8df4jyGDegr2T9mL49y2v7UWofDfVI/LbFxbwyDr9qg5kjz6FMMvqCD3rwPRv2Z5PFnwX0/Xb4QtrfgDXZ/B2tbmYyXVs+6SwlYdMqVdCx5IK969OXQT4M/bq8F+JGHnWnjLSLK9jm7JqMMTxOzf7UiRsD9R6V+T+IdZZgquNxTbnTg5xd9LO/5OP3NrqessBh6eFVHDpJe8mvOKTT+aaZ9ja7oqxhgoUZbJA7Vy2oad5PzL06Yr0XWLVW8z6HFcfqVqAnIr+famNlGVlc+bwrdtTl7i3ZSeuM1C0bY/iH4Vr3Vpv+bp7VUmtmQc0o5k+7PUik0UQjD+I/lTv3nqasCBRxzzSmDy6tZlNrRlcqKytIKtWcryjaW2471G64qbT4szLuHyrknHer/tSotGzOVNWuWoLbbMrBm9CDXReDZP7P1W3bgDcATWHbwMvXdyfTtW1pULRyL9eD+NeZjMwnONmzlqRTi7nqGqwqIi33txzXOz2uAWK59D6c9K6a2YX2jws38SDJ/CsW5g2Hb/AAinUxEuZTi+zPBpaKx7p8JdY/tnwJYv/FEnknnP3eK6gdK85/Z3kc+HLxGz5az5QemeT/OvRh0r/Tbw7zSWZcNYHGz3lTjf1S5W/m1c+Fx1NQxE4ruFFFFfZnKFFFFAHwT/AMFz0/4t34SbBYG+ZCPT93Kc/pX5G+Ffinq3wC/aTsfGuhtGdW8O6kt3Ckn+ruVAAkikHdHQlT7E+lfrx/wW8ha78D+FY24iW7aT6kRyD+tfkB8SPCLW2u3morIn+lPuMe3G3jFceLp1JRTgr2Z/IPHuZU8Jx3iKnNyyUKdvWyZ99/F/9vLw7/wUj1vwD4NXwz4nggutYhgWHS7+KOSOWQKojnR/kljjO5snqB0rzP8AaE/YUuvhxefEHxJ4D8VXUcPwt1WKHUra8t/s13LE02ySeDb8gjB2kDAPfNfFNr41vNDuLOWzjWxuNOL+Vc27mKdizbgzOOSy9FYYKjiquvftGas97cfaxe30l6c3Dy3rs9xyDhyeW5APOelefUo1ZfFHXufpmV+I1KrTccbTdSemqdl9z1sfQ3jz9p3Xtb+FGoeG4dc1S/j8TQfZtUlmc+THEW3PCinJaRsYL56Mw7145HpUMFs3yiPnnjOfxrkJf2jYbONmk0a4kTGQFuRtBHGSCKyrj9qWznZtuiXse0ZGLhMflip+pVekT5HOMVmWdYpYqtZRWiinol+vqz9J/wDggzZxQ/tJ+OGZVbHhA8HuPtUX6V+n/grWGuPAvjZnjt1hsUmWONE2rgQEnP51+RX/AAbr/GuH4lftW/ESxitZrOa28EvP++Ky+bi7g4GOntX6w+ALlbv4f/ErMiyqpmUuBs8wC1Hp0rRUpRklLs/yP3LgLDVKGVU4VO7/ADPxS+MOlQ+G9XuLiaF5F1B5Xt5g43AtuB46AZIIPX5fevPY7G2jntf3y2kgt3MgYMQHVguR2ORk4HfNegfHK5WPxzenTZ5YlsZPPtVaRduSmGKg8kkcfrXCmwt49ft5nmMEemybI1VDP5qtg4B6cbs5PHpXh0X7up+rat2K9zNI/imz8xZvmHzFofL8xtwH6HNZmq26r4r1CNR+7im3xI3RnJD8+nBJ6961/Gt5b6X9n1CTzXa4uGVDvJ27jlc9RknJ/Oqc9veNcR3kEdxOrQhpVTJwwQbsnAGT29uK0TbVw5baGz4leS5tYJLo71HyKCdxVOzhuvH19qi13SfsltYwqI/J1BVb7x++emcfTv60xYjrGh28cayzyTSAqIoeFDHJyOqjJxk8Vp6vZyLpGn281peWNzb74zHMhRmznY6568g9KNwjtY5+50RY7i3ulA+9gbOGDYHQDtgdT3Bra12CHUNGmuPMZp3tSszKOrKWwemBUf8Awh2sQ6NDfzWOpRW/yKk5tH2uSrDGcYJycfWremaabDTvssls8UsrXFtcCRCrqTtYAg9G+Y8etNNbhsrnELfXCw2rNHG8rRbF8sDLsQSOCOmOKvabNJP4ZaSSG3jupCQsMajYFYcHpnitWb4W6ppyRtLo+rfZYTAsVw9pJtlU8gKcctkhRis7UtEuvD9pcW+pJJp99HI3mx3B2tCwJUxsp5DAg5qr6XJabJrW7aC8sZrj55dNaCQKDnID7cD8MV9af8FUdb/sj42eHVk526ZOiHjkm45/U/rXyL5LNpcbrIvmLCXkQg/PtIbb39OvbNewftr/ALT+n/tUeNNGvNN0O60H7BpskckE12txJdyO3ms5YABVBXCqeR1NXLVOxnFSjNPpqcp8D/F1vo3xj02ObR9N8SWN1cwRS6dqcXnWr+bIiM5GRhhkkDmvqjxR4b+HXgz9ojw/4FvPAvhqS38X2skc15aoI5bVxNLFGVjA2tGqopdjzgMc5r5L+EUY1H4geG1tnWGSa9sx5KpuLsZFwcjupI49q+l/24vi/qPwT8WNqGiXHh9rp7G8lFxcaelzJaYu5UkjSTqFZgW2nIyc1N7rRBJXmo36Hh/xm8C2XhnxbYw6HHcbPFmhRalFpSxmSaNpsloAzfMygxs6MedjAmsvxF+yR8QvC2gNrl/4d1W3023jdLiSSVJEUAhsFF+dWULk55HXpXrP7DHjaz8YftL3nibXL3+0dQh0qLUIJ3QP5rpNB5yRxqMLiBWwqjAUEAcV1P7H+o65pfx/+J2k6zNd/wBjyTm81NLlv9HklS/80XIkOF2tA7nd3jZgc5FEZNPt5A2l5tHgNl+zj4r8ReEIfEUGi/bNDvVmulnE0KZSMMXwSwwFUZbOMA1Jq/7O3ib4c+FF1DXdLSz0+2s45J5vPiljSCXPlE4bksei9flPoa9Z/ZB8daTrvjn4heDY7dptF8TC5v8ASbdgW2hVlxCiZ+Yy2bMm3uUXqa7/AEX4KaJr/wAHLf4RRapfapqmix6auphxhbLz53ltiqjj9wJP3rdUW5xgYNZ63ui/aWdn5fifNeq/ArWPgfq2nahqljbyNqDMun7zHdtMNoBmjjVj8yByA5/izjnNbniX9ljxtJ4SuJp/Cr2selwSGeI3EbXdv5hMke+NTuV/L+bYfmx24Ndp4d8a6L8W/wBsSzkt2GmaZpiXOiaLF1FskFu6We3tlpAzqTyWlGc8V03h7xh8RLz4x6ppulaX4RXQtZuGv7vXbmzETYt8zfbL5y4IuIhncGX5W9QwpylZbivLb5/ieD+Hf2a/F3jLQ9P1Kx02FbLVMDT5bmZYpNWMQ2utuhOZMbtxbAAAzXM+LPhdqnw113T/AO1dPtmu4cIkqStJDNG28g9gRwBkrk19E/A2+msP2PfFOoW9zfLqWo3WsQ2ktmn77ynsrbzAmPmG5c/cwcdO9fOcN9Jfz3S3V1cXMrTlozM7SvuTkFmYlsjAGDwMGm7ppFxle/kX9K1a60++jjWONVuVZnVhwV6MH9/btXUzabbO9xIjQrExCW4nUsqltuXBz8mMdSMUz4R+IfB+m2l5ceKND1DWmvLhbtPs0wKpAF/eRlCyjO/LBgc9qsfFfxBoLRfafDOl6hYxxwiHyLuUSNMwcuZchmVSwIGzPATPek5a2KTuc5qkTaVq8uofZ4bu3hPmuUkZFlQMFMZZcEBs445PpXun7S9hp8nwB8CXNhpOlaLbaqhuJYLWMMtkj28cmUYjey7hjDEnk14nf6nb6NLb2cUqyfa7cTXLguNhcZ8vtnjBPYGvefjVqlvdfCTwTA1u0ixxwSOmxj9l3W0eBIeiIOnzdyB1qJTsTL4kcP8ACz4d6f4T+H3iLxpqFnbX66LY3UltBKfkjkjRBb7kJAKvJMvHPEZ9ag8c+HYviN+z3Z+Mr+xs/wC2vDAkee7tbVI47mOGaNJA6qNu5o5kYHpmM11p1FdZ+AHjTw7Z6et7eW0Uly1sGKmeOTynjl2A4fDxumB90yL6iuX1HxS/gv8AYsvvDmoWU1vN4ot7mGOFlP2qBpbiMhiG5VUij3HPd0FTz6k6tu6PSPi1qdr+wH+z34NuPDmk6Zcavr2rrdXFzexRXDyWyQi4kiyRgLmdUwuOFOOai/bo/ZO/4Tv4r+Hr/wABaPZ2zePrqSZ9OWXyYfPiRJTINx2xqYplBUDkoetXf2uvAGoftPfs6fCvxD4R0yTUobiNdPnS1G+O3la3WKcMOQjrLGSc4+VlPTNWP2uPG8XiP9oX4b/D63gTUP7Cv1fVltf3x8hzbwiImP1hhZmx0Ei5Oa7rM5o/EvmeMWf7AfjDWbVLi41LwtNJZxPqRuLe5MyyKHk3BFA3hIiCHyMDGeBVBv8AgnH8RfEHhy8vmbS4b63Y3MeltdF7x4/m8vLL8qmQKTHuwW+UDJNe723hW4/4bF8M6hpOm6ppHhn/AIRS6tLcvZSx24UC6Qxb26MNyLtOT0611P7MnhXWtF/bH+NmsXFldW9rfPbSWtzNC4DsrQlCAcA7QCfoCaXPZ2Qcz5eY8f8A+CX3xmvUvLjwHq8TTWNrAdasLcRxQhpLfMkkbNgMwmjDqUJOMDFepfstp4g8KfEHx74R1K8k1Xw34Ov/APhI7ZrWzWWN0klMwSVguWjlgctgHAMfTFfGOn+KfEHws+PMerXMNzp/iLw3fR3bQTxFW8yGQAq6sM/MmRjHIYHvX3N+098dJP2ftD0LxFokNtDfePNds71WglybvQ4drx71/jB8zyDgY+VvTFEvUJb7bnDfs/6VqHwQ/aC+JniLVpvO0TwJps93qjsqMupJIxe1GcYJkR4yNuMH1r5K+NXxBh+Nvjq58Qy3WrRyXTKsMd/cLPLGykBYiyALtX7qgdEAHWvr/wD4KNfEG08BfAGGGxsVs4fiHqcc8LxlVe/0i0RXhfKkjafMWPBPPlH0NfDmsWC6npcjJI66tIVa3YELFtC7ifTnGOKcY9zSm29bdi/FNDPoNncXbR29xtmtJY9nzI5YlVyf4W9R0xWvBMlhLcxtbm9t7qxPnomVG6NlYZJ7nPcc1meHLux1R5o9XjkmmkWAWqwP5aOC65Lg/NnGRxjFbBmWwvZ7vajbkliRRJ88bqR97PVcLjJ60XexuopJsrLc2kMFv5kMSx3KoRHHIMyDKhcj0GfTmp9XEdkdPBieIyK0KB3yqH5s46/l71kWiKtrN5kLTNKqxbl+XG75k2sOR0zxWzqd1Br2gzRtcKt1DfQyrKsYDJGWBIPYZHFZ8tmHPs0JqetzReC7e5kZXhaIB2JA2SRTAj6DHT2qbXPEEjiZPImRrmyMrJGm4yRmVgqEdA3GeOapxWML2Nx5azNGqkLGELKSWDHgeqDn61PpGmanqGoLa28CX0M9szSDeHJQ5Kk46BNxAPXijRq1i+W7uWzbx6f4ispbq1uHj3LsSNzGJ43UMpB6nD59wBisu43W+sOiyfbA11Ih+YjG5OSRXSeMfDLeF7PRFaRmWRRLbrNI588GRoiVbqNjgj5evese6uJLvXri4to2USxNKuwZUvsGDWLXY0W2pivLJJc/2WXmPkr56FwSEffg7e/Q1szPa6556s3kvBEFwWKhyGGDnvu646c1WGlXl1fzXUYUJb+Vlly25nXrj8PpmrH9lSfYdq3Ammt3YtsxuMRHP1PKkVTjsF+iOd0jzLmS91DT2+0zLcFJrJo9u1R8hcH1G4YHoK9P/ZXtYNT+JOn3lgzMq3ohuV5RgwkHLD1J+X8K4rwX4bhm8++s2ljup9s8sbHKoA4U4HcnK5PrXe/sx6LHo/xU0/yvmWXUGeVWwC2SGJLjnO4Hj/aqpQsEetj7F/aUmvvGf7MPxb0nQ7qDS/Fi6WGtr+7tjPb+SsBeeMAHKSGMEBjxzX4/TWyzWkaqvyqucnsPev188eefN4N+IUkAX7NHpt8s7DqoGnuVAHXnIFfjpd6t/YlpYtdRtHFfIRbM6krKFIV8N04YgexNZ0Y68sd9T8X8UuaU6Cine0v0Ppz/AIJX+H4tQ+PHimGRpNreBdZkKqOoWHP+NeG+O9ei0Gx8PeHtSt7ixutWsF1PR5TLl/Ky6+bGwzt3FGGOMkD1r6G/4JTn+zP2i9a3LJHbv4L1eKSRcZhBh+Z8ZBYgHO0cmvnfVLa2u7+OTEV29qDHbXLQlJCgGFwDkoPbsCa83F04Vai9qm7bW7nPkfEWMyfJKPsJNc7qRlonfVb3T6EvhT4l+IrXw1feGdWUeKtA1mW322VxcPbyxzxeasEiTIC24efIvoQwz0qnpHxS0v4a/EbUNFXwu2l+I/CJk091i1qdZNNnVtjZbBEmCGBwQD1zWffQy26FlYDa3BX7ynOcg1ialo8b6nd3/lx/bbw5nmUEtKfcnnJ9TXP9RpVZOdVO77NrU9TLfEjNaVB0oy0W2kX69PuPoLw5/wAFA/EzXlja6fo8NwsQ2iKVVmmkCp/CSOMAZyQap6N/wUL17xTbTyaRZ6dHp91mMo1vG7R4YkjOOpbPYYFeBaVBMo3KzK0QO1l/hB4Of5Vd0fR49EgjtreKOGOM7tiKQMmu+nhaXs+V3+85cR4h5vBOcKmv+GNrfceneLP2kbzVIft2vWOk6gbEGRGvY5JktlYBcKm/AyD0UjjtUs3jyzu/DNvar4R8E28khS4jvY9LLTGDGUgUM5AjGdwxzk8k153Lp0epWjW80fnRyDbJGV+Vh2rSgdrSGGFVxDCqxxqB/q1AwB9K5pZPhHum5d7s4ZeKfEkafN7X/wAkh8vs39T0Pw38SrTUPFGh6BHo/hnT7zWZVtbRLPQ4xJIqfeQABgFwSSx6HJr1/wDYY/aE8SfEn9qzw/4FTTPDOh+F9c1aSG5tdP0qKGfyA+8xiZQGBJRclSD1wR0r588BeHrLxP4y0E31mk1xa3sbWzuCWhkLclAOhOPxr0r/AIJ/PHH/AMFAfh/cNJhF8Vx7R3bJfqB2244rTD8P5dJuMqd356+lj3cr8TM9xvsIValtWnZJOXrbT7kj71+KGreIfg9/wWEn8F/25rx8KeO/DI1K009m83fELO7Z4lckYVJUZhuyTnFfk7qtnbxKsUN9qmn3EMwiR1ki2uflZndRnOBwORzX7S/tyeGbOx/4K2/APVLixa4t/wDhEddtXVSVA2x3GzLe3mHj3r8W9TnurvTbiO3s7WM+bJK+wbpCysCFx7r36cV5OOwMMPipQprlV7n7TkmLq1qcnU1skvuTOd8Waeq67deXLG1w4jPmPIu4JjKlduQzMx/Sv24/4JG6hdW37EvhVZI4ZmEl0hcvhdu8Z6DBb3HWvxhvIg8klvHqa/8AHoCiCyETPn5gwOOBuzkjJNftT/wR0tl1T9hHwxcIrD/iY3yfNzsGUP455/OvJxV+eLXmetjZKOGk33/4J9ELPeQwfu4Y8O+4Zf5QD+nFeDftNQ3Phr9oH4f+L7S3gW8htJIHcgEstvNHOM5HZd4AGetfSl1ow27fuqpyvoRXjf7aWjRx+F/DN00UkrR6hNBsiUl/3lsSQMdflAOK8rNnyYV1Y7rlfzUos8/KakHilC3xKS/8lZ8v/FX4KWWhfF34s6PDbqtlqkOsQR7YwiSK8QvYNq+zAYx6Vb8P61J4m/Zd+CPiVCZH006h4Xlb+JFicTwc98BuPSvU/iwkF58TfCesTXH2Zdc0rRJ55wofAltzbSH8RgGvJ/2bbdpP2J/EGkOu6bwb8QrdQD96NJozC35lD+Rr4GrF82Lox2ftGvVclRP8H95+gYWrz0cNWlunTT+6dOX5r7kXPhjpEj/GT9ozwbZzCKPxDoo8TRImNss8TRXSn2OyVuRisX4heOpPBr/BPxxCyrN4c8UPaqFQKVhlMU5IyMjIEow3qa634P3yw/8ABR3witwpjj8beD/7MYMw/fEWtxAxJ6YzAteeftBWEt7+ybeS9F0DVrDUEaI5UczWpbPcDfGMDsc9qqtiXalWj09ol8nGrH8WFCmpVPZTWjVJv/t5Soy/JHqXxL8Diw8cfGbwbNa+Zb3Vvqht1VR+9QL9tiPHTJrmfDPiW68S/s0/BfxS6tcXdta3nhyQsn+rNpMJ4cj18slc16r4x1eLVvjZ4d1OKQwf8JZ4T0q5aRfm3NPbPASfXB6/SvHP2Z7yO8/YgvtNmuF+0eD/AB9bxOAOn2i2MDBvq6Hp3rLERt9aoxWlpyXycasf1sZ4Wo5Rw9We96afzU6Uvxtc0/B+is3xQ/aO8H2nmFdZ0geJbeIIE3yxyx3QP1EcrDIrlPjT4jXQNA+HPira/m2OseQXX7qBXjuBu9yjSAe1d98O9bttK/4KAeG1vp47dfF3g+SzldiqjAsJ4X3nHZoAfwryj4o3+n+LP2Z7OGG6W4Md5aX9tPI48ueApPakhvXc0Z+mK8/NaUK1BX2aqR9UnGovzkvma4W/Ny9WqbfzUqUvwjr6XP0KCrc6ZbuvzLJGMMe4xXO6nb7DuwGXpin/AAQ8Qjxv8CPCOsKcrqGlW8ufcxqT+uan1OPetfzPioyhLle60+7Q+OprlqSXm/zOZvovn6dT+VVJY8HHytWxdQZP+eKpyW6545+lcidz0IyfUz1to2JOD+VNazUn7xWrzW+OlNkhXFXexSqXdimLTzOpbj0PWpLa32rxnrUjQ7Ru/QVNbjzR/d/nUuVypS0sWLO2DHdt/M9a0rJMEfw4PT0qpZwCNcjdn3Fadgm/7w21jUuzllKx6B4cBm8Nx45O3HFU76IRzNuFTeC5mfRdvQBsD6U3Uhudl/EVqql6cfQ8SWk2juv2fb101K9tv+WPleaQexyB/SvVB0rxj4J6olh4t8ptqi8Ty8nv94/0Feziv9EPAHHLE8GYeN7um5xflaTaX3NHx2cRtiW+4UUUV+znlhRRRQB8G/8ABcy5aw+GvhKRZNvm6g8W3HUeTM39BX44/E7xreTeJ7+xXyPstrIsauPvcqCfrzxX6/f8F3Z/+KF8GRhfu38jbvrDKMV+N+taO3iX4kahbwxmUJK0kiKp3KFGSB654ArhxlacIJRdtX+h/JPHmCoVuNcVKpBSap02r9NEjOsdDfUfmMzfvDtwEBJPtWZdfD3S9dubhH1G4Zrc4faAAO2Dn9K9w8I+Bpvhh430O/vJbr+1o5RcS2ttpzziwgIwqhCDvYnO48AdB0rm/wBonUrPwHNqy+GYdUthrF8LqZdbtfJlUAbTFESOV5yAemRXHGtKSu5u59blXCNOVH2z930t+u/meW6l8ItFvbP/AJC1+jKAvlNs3kdyOOnvWDefBjR1UiO+1Jw3JLsn+FdT460zVNA8GNNp8y2FpfKgu9NSfz2Lgbgz/wB1TyNq9CMdq84j8U3Txqx3MshwCT1rOOIqv7TLxWV4jBVFCEtN9tPKx9/f8G+Hh7T/AIeftVeO7iGaaY3Hg1oSsx4RftkJJGK/Xz4Da3HrPwy+I15tVsT3G9FbO4LbAY9O1fi5/wAEQtUvF/aU8WBE2qfCk3m9d203EQ69q/YP9kdP7N/Z8+Iiq00i29xd7TM25iBbDg1pGpKVRcz6P8j9i4NlOWWw5+7/ADPxn+KGtH/hOb6RpvssbXrb4woIgjVhh8rycISMDqapeFfDl18QPFuj6dpckN5LqV9Hp8cEa+XEkjZ3MydWTZg8nO4VrfEi7hm8fa1dyWscbQ3Zd0+4pBwCwPcg5G2sDSfEifDXxFY65od19n1bw/qUd9bTK3zQTo/AbsRy3B9SK8Ojsfps4tHurfscaP4ski0/TLzU4tU1QiC0eWWBbO8dUOxGhxuRXIChi2QSD61tfsbfFVfG+nzeFdWmkSXwvEJ9OuFjWCaC2aMwTqDg+Z9kldZ0yCW8tugrzrxX+1rqGqLcjQ/C+n+E9X84ltQhu5bgYkyHeKBhsjLbiRgnZnIrifh38SLj4B+N/DOuLZidtF1GS4u7ctn7bBICktsx6sjxluPQg9RWlO97SMpRbietfse6Dq3wu/aC8UX3iK4ktdN8A2l/F4vkLAf2nGmcRs+3O2WQqwIwSCOea6v4P3mn+NF1X4teJrK41hreG9vNOtJyWGl2VpAJDGq5Khd8kMagn5fnbqaf+234v0vwf8JG0HRY7NW8fzQXlzqNtIjNqelWsS/Zmk2/MjMzrGysct9nzzmue/Yy8Zad8SfhBq3w1vpNJsdWuPtdxpkl3ILZdRt723SG4gEjEL50bxxyorYD/Muc4FaWjezMY81uY4T4fftteOtN8fWeqatqEOtWZcTT6bLHtt5og2HVY1AKAKQFOSQQPWvavAr+F7weOPi7Do9xfaXfT6pq2jpqQEPkJbBEPmLyvmvcSRKSDwu4jljXlI/Ya8c6JrKw6muk6Tp6xst9reoXsdtY2qZ5l3MQzdMbF5JIHcV6N+zrrfg/x54G8VfC+z1uQ29rd39t4c1HU0S1udasLxImucE4VZo7iFJI4m++hxkHip5o7mk009DyvwZ+2j40+HnxN0nVNY1e98S6c+yS7066QNayBztZUQY2ED7uD1C5zXm3x713TfHXjnxHrdjFcRQ6pq9zJCs6ASeXJIzqGGcbuSDjjNetyfsReM9B8UrD4ifQdE0azy1xq9zfxLbxw55kWMkMSQDhSCecCvN/ibfeG9I8capF4dmuLzQbe6FxaSXqKs88BCkM6joWfPHviphroitE7nJ6Z/oOoWNt5XnG5R4SByWBiOBnry2OnpXon7SH7N2ofs6+M/D+l6nqGn6rqOoWAm82zR1jhdW2SRkty5XOQRxzivLdF1eO41HeGzdWV0EZY329SdvljsB0r7A/4K03n2b4s/D17popnt4JwMqY8K0yYAI65raV4q3UlNuSS8z5h8GfFnUPhBr2m6to9w1prUcbRb1RTJ8xAO3cCB2PHIwa3fG/7WHjL44eE5NF8VapNfWt5cn/AEN4kihkZRgM21QSQx9cE9a8+17TDYx6bcBg0K6jKrJuLNGpY59+D0J7Vk6DEug63eJeM8pkkb5gdwIDArn347VtTpwauY1JSvY2fA/jK68I3Gn6lo15daPq1nOklvMjCNo5I8A7W7HnGOmMjkV6T4m/af8AFHxS0nULXVvEd5q1uZhDJAirBHLlgDvVAN3U5BPQZryHxZ4YkitJo4mZYbWXzMY6MOoP1yK1vCuq2mp3V/DHYtaC8mMgCcRkhfmwT0yaqVGMlzhGpfQ6rw7r2ofDvUX1LT7+Wx1vS2iu7e8tJfmtJEZ1GwkcFcdDkc471m6L8TPFHh7W9Y1Cx8Q6l/amtNMNSmWbZNeQzFTKGburk89MdsVkXbTSeFrp45IYkZpYVkJzgqylV/JsfWqmk6vZ2NzNG/7+RghEu0nBPDLnsMr3pezi9h80rnQahrzTXMdwfMt7hefl3KxcfdcYHGCF288V1HxO+Ovi34jeFobfVdc1zUbO8SFbyCWVd1wfm5kIAMgJBwrEg45rkb3Tbi38XN9qZfLmdI0UoAIx1C+pYADmtDxJYSQ3Gm7Y3EbWrNvPzIzByCc+wYfnUSpx6l80r3Os8H/tHeL/AAZoTafoev6xYQxE+Sltc+WkKd1GB8udxJx3xXGaUk0tpqMjSeZdAGTOSxXPzFyTyxJJzWh4EtY/7SltZmh8ya0cxk/d3BemO546CoIrGSCfy1eDy7yImF2UqrHOPl9c1Oidi4/CI2obtUhj8uO2jaHyyUU7QWGc+wy3ata81JZNXuLOSZvMETxEBcL5uMLj26fniuZ1KV7a6sWuFXdIo3QsSTGMLk8d+PpV+7Fwz2GpBZPstxLIyOzff27D83vg9PWm6fUIytoi1rFxdaP4qt2k84M0f7qUNt42AbxjHAzT5fiZ4gvvCUNm3iDXtQ06eQLPBJdFreTaQ3zR5xgsORWRrF8YLHTfneUtdSAI+eMk8c9uBxWTHqVvoU9ygmaO2t73ayMMAqxO3FR7NS1sLmezOgutfub3WlvLe6vLW4WUNbtbSFGWN0wVHOeQoGOn0rPu/F2qX0Fr9ouriSW+jkWS4uLlpZJGBKgM7ZOeAeMdqiXWVstbtrgKxt5riGMJKo+RsZUD2wDUmt7p9Js4AYYvLvboxR7fm6q4I9uuPpVRpxStYJSa6k/hf4xeKPBFlf2+k69rOlW98PMuY7S4aOMkABmKqfQ4zwfeqeheINR0/XrXVLTVr61v2W5EUsMpErjy2YZYYJzz3zk9TxXLahqsltpUJaS4khuneABgABuHPPvx+VaOmanNaQ27RhRAiCbZjLIS2wrn8a21sibp6o6qX9onxrqOu28ieKNcuHSEqkFzqEzKiEhyR82FPGcAZ4pdT+P3jnXIkuofFPiKGf7UDOYtSlWW6TOzazZyeD0NcJBHdS6jAsatALjykwI/mTaGXIHTJAwc8mtqOKPwzozSb5Zo5JoXMq4Kx4YElPQgjFEoqLJ1t7pe1PXL3VRfapLcTNJdO3mtMxlmkyFBDMed25d3PPNWNc8Yz3+p6C01xc3jabj7M8l00iqpwwjRTwgBJ6dcVT8OALP4kaOSFbdWjnUOT/rDIVyc/wC8M49KbeBvL1ALDHHHIgudgHCEckCojdbGnNdXL1/4r1LXbNbC7vJLyOxdVhjnZpBDF8xCDcTtCnnCisKJXmt79F+0yq0JZNzAjO5Qdp7cZ/OrOjLbavpd032iexvYZUVLcehydwPbI7GodLmJ1ySziheaSS2kZVKY8wMQct6cLkevNb2SdzLmb2J9DvLi5gtGvo0hkj2wxW8abWtwj9Mj1Gck11/ivTpFluHVY/I2XMrCIj9+hG443dx2+lcvqmmNY6/MrXEcUdxFJ5bgfK+35ggA79RnuRXWapqrvFFJC0cymBxGrxfMY2Vgd3v86gH0ArnqX5rm8dY2RzT20baZb30c00kfmnEABCnKHBJB5Ip3ha4hGh6pKsHmI0UcpjTOFPPJJ9+PrUWib9P8OyR3EMnkq4kZkI3RgL05459a0PCcE2lWupLDPm2mgXIGcEK3DEZz8u7p3NROWpoo+7Y2ryb+yU1G0kt2hktWTe0MpVz8hHToRwPzrJn1H+x5rG6ePzoVudjJ5u2SRCuUBx0CsDn6Vf0SeTVHvrOSaS6trQO8TEfPIXYZf1544PYmqGp6OLjSr7yZgpWVLiP+6i88enQ96wlLmehsuWKtc6RvF8njiS1kmE0K6fbuG3zBlEbS728ocbSWJOBnvVHQ9ahjm8th5zeUUiIf92VDFeD7gDA9a5fxNzpukq/nTTbm+QsECBhkEEDgZzx3qxf63brNp63V2G01VaML5SjYVAwoIHToKdkldlct9joPBaSalZX00pjhkkJyrNhh5XQAdupxXLTa7dX9hJIq/Yo1vhCoK7+duAx/4Evfrmup8NXbabq+o2s1in2W6vxJaPJhd0TQ/OyH/e5PavP9X11tGmzIykLOYW8xvl+VvvYHXB9KuNm7kR2bOq8O214LOOSCVZS0ciyxL8p2gk89sFgDkelet/AibzfG+gyF5IfMnLFI2OwtkDoeQa8T07ULu2+LlnbST2Oo2t9G0LLFKRksCQcjGSpIyPU16/8ABEtpnxn06NpIZkmusouwoyDCnoffinUurIVPVH1V49+0N8OPi1JHZXs0sOi3UlvJFOFR3GnSMS6+i4/Gvwt0j9oG51Dw1Zw6rplnqd3aqJLS4dWDQlgCSB9cenSv3k8Y2osfB/jaTy8teaJdyFSMkqLKQNj69MV+MNzAIrOFVt7YFYkXKxLjoPatsDWhG6lG5+Y8fYqhRdJV4c1+b/209c/4JF/EjWtd+PvxE+3XDTg/DXXmhUsVW1kWAbWX37V89+C7Txh4jtrfy77UJB5SsWknCJtxgks3GM5GelfR37Al29v8YPEO2OEM3g7WBwgXzR5P3T7dfrxX1t4bvdP/AGq/2Vvh7oc3gjR7q48J6RBBM6W8aqP3WzzlIUNklQx5PzA9a6a2Jo0pKc4pJ6d9jnyvK45vl1PkbjyuVlprqvI/NO/8MXFhKi6l4u2zH/lnZSG8aMe5UhPyNSXHh21msY5JfEHiSaK3yiDYg4J6ZJ7noSc1+g/7E37Kfwyu/iJ4o1f4yabq0XhK2hiSESXq7rQu+wXBaFFKx9FweTu56V9IX3wF/YD8+4tUu/EoFgPNuJ7aa/aORGGcmQqV2ADIIIGBwTV80J2lTcbeZ34fgyFm5OX3X/Q/FLU/CV1aztHa674kjZTglrZpkY+zRtjH4VQm0fxEqfu/EWsYXgbrG4H/ALLX7ixfAH/gnlqnh6GaDxKuqW7oGNxba3esyjggM2QFB4GMDriqFr4A/wCCcbTyRzTSafc28hjZZb7Ut0bH+EbWKt68ZrpjUW14nfDhmmlpFv5H4iCx8VsvmQ6tqNwBww2Trz68r+lXNGg8WfaY2ubjV7y153R287xM/HGCVI68mv2y1vwx/wAE2NEjhkutUs7xp1JNxHqN+TGQcEMAw2nPYim2a/8ABOHT7ry476S52EkMLjUp4gepGQccVlUqPZcn3/8AAJlwrRltF/cfi/oN5420i7jmN1rEbD+NJmVyOmecdB6ACvf/ANjjxlb/AAz/AGj/AAHrl9DcR2uj6rFeX0sS+YUX7uSVzn7w+lfolr3iH9hG1uPN0vQZdStXXMMto80hYgDJZZJA6fNwOK7L4dfCj4J/Hrw5qGm/DfwXPbatsEtvLcxqVeSKUfIGySBuzktnI5r4bOuKnhKkqcIptfj6dz1cr8NaDqQxM5yik07WVrX1vf8AyPpj9pCwgs/2hvDessum3E994Xmt/wDS875UWfzAYD0En7zJxywr+eK4mht/EcksnmQeZdN50EcJ+0YHc9gDxyOtf0sePtEh8SeHtFutRgi+2LpAEo/igYx5IU8kDcOvcCv5t9d0GbS9cvFt7qaOZrqRre5dQ4KhicLnrU5tW58W5d0vyPt+HYL2cop66fmzLn1Ya9r0zXcMKzwRiMOSGYHOCFGeF2nJB71+yP8AwSa+M+g+Dv2RfCWlXjx2FmZL25W7nmGE3Xa2yKRn5d25T7HivxuvdEmvLosspjkusQT+YiRu4+9hmHHJHPc19N3vxhsfAf7HOm+HbieO2NxoF3JI8sZTyNmsWu3HTqQTx0NeFmGycF3PoPqqrw9lPq+5+0dz8b/DCWd0Zdf02GS1G6RWl8sopyQQSOQQCfoK8b/aW+OWh+L/ABd4B8P6LqVvPcXEs+rG8tZAVhijVYS2/G3neQc9AM1+KV/+0JHf6kzf255pt1+y7xIXJABXa2W+/jPToDX2N/wRRurb9oz9qePQZrq8vrTSPDl5I2xTJHEn2mHMZP8ACrMxHvtzXzmK+t4qk8NTpvmlZL5NP9DenkWFy7/bZVLqCb/C363PUfCH7QLfF240HQ9DhmvNe8E+HbO1ZboZWS5XUJikZIAyqpgA9zgV5t4N/aGt/hHaftBeF9WLW91q3i/SLqwQx4CPJfyE5UsCFKMTwDjIzW38B/hrd+Bv2sPjfYG8tmsvB/ivT9DuLiRCWmFzO8sZ4BCoqrySD8x7V43/AMFdfDsvwN+Muga29hJBY/ECysJ45roCSbzrS9IbLLyrEAZIxkFeleDSw1dYipTqxfNNW++Di39x7kamEahRjLS113ump2+T1PTvGP7Qdj8Nv29PhH4g1KSSy0vwTryWGpzlWObWYLNHIwHJGJpVB9jV7xF4ib4q/seeL5NPhKvLBfXsEMLhQoS781FCjIx5acL2q9+09+ztJ4n/AGGPEHxa0tvOuNIk0/W2iBAm0s20s9tK6scM8bRhDjJIKntWV/wSJS6/aP8AhFDDpNratHNrk6XdqYTHGls9xLG+AD8v+uGBnCgHiuOWFxMsDQ5YN2asu/NG2/orfI3lisNGpWqxl8Fk/LlmpbPzlc6v4NftP6f8Vr74X6bDc/Z7rwv8NdNkvJ8fLFKs8zDr94BVUccAkivNdE/aNj/Z71r41fDvU9NuriTxV430m4024WRI47QG6lkV3XqytHwCvTPNeK/sbSXnw8/bd1zwFqS+Tq2h6bdaWRvyymO6ZfLUHIOfmCqR1YeorqP+CuHhXUPgP4l+EXjTULGSxXx94c0SWe2ZDE8N3bSxrIsw/vqrDdgDnIrs+pVamMnCMbxml/5NHl/9JT+8z9phqapU5Pe7Xm4yU7/ee9fFHxn/AMKg/bV/Z78dahuXR9N1p9OuJTEEa3ikbeiBt2GXZNIdxxwcc1g+I/GNj8Tf2RPFN1o8ciLq0Gpy2EEar8vk3ouBuAHGI0ONvrXc/tlfBK6+JH/BO3xP42tpLF5fCslh4miMaNvRI5JoJRx13IQcnGAoz0rzz/gijPb/ABw+COk2otxJENYeCRCBI08ctzJEygn5kXbKu4gcgYry8ThMTLLaLULuMlZd+aLf48tl6GccZhlKvK+sbp+XLO/4OX3H2t/wT+8RL4n/AGFvhtfc7pNKCMM527SVxn6CvQtTkUDHeuA/YQ8H3Hw1/ZW0/wAM31v9jvPDeq6jpksGc+WY7luPpg4BrudVUq7fp7V/KfFNb2WY1Yx25pf+lOx81o687a6v8zLuZAu4H1qk8m2Tj0qe8+VWz7Y96o3Enlu1fMrMJRO2nBDjLnPNRiZZQ2GOR6Cq0r+bFtXdkHnFMU/UL3Ip/wBpO5tGmXFkHTNTWhXdWXNJ+9URncBx9KsQXTK/HPFaxzKOzJlSZvWrI1XInIUr27GsfTZ9wXPXmr0MzNx6jJrOWYRaOWcGd74ELLpEif3WDHPvT9RlB+uf0qPwKd+kSH+JlX8adqow5XHTiu6pJxo05eX6niv+LId4buJRrto0LbWW4hIPoBKmR+IJFfSAr5t8Kkt4hsY/78ydPZgR/KvpKv7r+i3inV4exEG/hq/nFM+X4gjarH0Ciiiv6bPnwooooA+Av+C67zr4A8JhYmaGS7ZfM28K2yQ4z9K/Pr/gmN4F8J/Ez/goNdaT4qSaWze1mu7GOOZofPuImicrx1/diQkHggV+gH/Bd67Y+BfB8LMyxpePNx0JEUo5r8iY/GmsfCn44Nrmj3H9n63o2ope2k6c+WygfKfVWU4ZehBrz8XJRcW+7/JH8vcSYmlhuPq+IqR5oxjTck1e9ktLeh+uP/BYv4Z+CfCfwCnht9EtbrWp47FLayjJia5tYrrMoDKVOdrNk56E5r80vAPwY+H8Pi5rHxZDeQwaxdW99HbLdJeGGVZADEdhYLG6nYCxL4GWIxXr1j/wUv1b4ueOvDWoePNG0fxnofh9G8vSr2FDJCCu0bJPvbxx83ORwa5L4r/tDeG/jj4jj+2eE9J8M2FnAyWcOkwPH9md2LhmwPm5wMGvNqRc25R2Z+34LjLAYrBSp0XGK6KS/wCAe5/Hv9iD4T23wY8da9pWtTjwv4N0md2ngKbJZ97GKEnHzEkY45AWvy38LeBp7vS4WmtWWVjvkY/ebP8AD+HSvorxn8Vde8UeEm8NzXhi0GJw32ZRtZxzgTEHDdBx2zXN3uiLpUnlSxrCV2sVzuJUjIIPT8Kwp3Tdz8r4w4qo4qtGlgl8N7tbPtbyR9N/8EGfACzftM+NA3yxR+EJCygdM3UWDX62/BbQYrH4b+NLNWl3Tz3CyNIuCcwADAr80/8AghCI/wDhozx0B5WG8ItjJx/y9xfpX6afDK8d/DvxE5/eQ3EvCkYU/ZlIFddJ+9F+T/Jn6l4d1ZTyenKW/M//AEo/EP4pWF5qfxD1hpJoZJlZwq7tyXCIxU8dFJxnI6VwK6S03iK6tUWOH7YsSn94ThlKhMDuACTzyRmu9/aHgtf+E21e/s4njt7yWSUpGGHlynG4EDP3mZj2rz7ULCHStLtmjlezkMEcJcpncwdslsfMSMgDtxXj0dYpn64227Mi1nUJH1CSE/K0Ie3TePkKqeTyDwcdewq7rWr/ANtxXa+Yz3CuCtvAfkm2qMLgDqAD065oudKWCFozftcC9QLuQHzDGykncD0J3Hj1qmujQ6ffGaZmjkSGNXVfuFjhM5HYL0PtWml9Q6DU1nzDdXTRyOzMjmNDyF2ZAAbpznjoMVo6VqlvPPNz58kcWxU2bsnaCdvAO7cM8dM1Us7S3vNGimKyLN5ckUszncHkUt5RVeNuACCT1qDQm+w+IEjlutn2MzQyrnLpuHGPQnd+OKrSxGqLWpag2tNeNdXl6ZNLuY08uQs6w7sdmyvTGB69qr+Gdela7vrGJJVUWjJdSyDzBM6OX3g4+VtoHT096jOlWlpp+sTQrcQQ3ixyorSAkbWUEsP4Sff8Kl8OX0CmfdHb71kOzkBirK24D/ZbsT9KTtYqzJNRja+uo186Sdc4LSvnIYM2Fz6dulZ0usG21i6juY5AzWwlcvGC2zJz+RXrWvfW9vpnh+G4e382CH7OEjlb98q42twO/wAwGKb/AGhHe3VjFeSJN51q9ksvQpGQQgP596unKMXoZVLtaFHwvb6bLqPnRxhZYZAwkI2/aIi2AGPRcHmvrz/grbdS2fxc8I2u1W1F7CW5hj8tfnjeRQJAPQ8lT3FfHvh/xFdWdpdafBptvHGXZXdRvlLxE/Nz0YjGR75rf/tlPEV1D50kYk837TFK0uXV8Y2Bzkkg9FHGadS/UKdr6GZ8QNPlWCSLSpt4DRzmSYbQu7gqe/ynnPesOfw2bTxixW7habbG0jLysmcDCnvgYJHUGvZ/hPo1r4l8V+H/AA/fSQ/YdZu1+0LLwhPzEL9WZVXPbPvXpXjXxl4i+FvjNrabwlpJ+FEkVtZXFqLEfatIfCCYyEfvI50Y78sCrKq8mop4iUFZFVKKcj56v/CM3iO51ZVu1nRZkLRchY2/vgdcjb0rPGlppep2n7xo4fOYq3lllun2YKqehz1IHSu+8WyQ6z8ZfE1x4duG1Kz1q6kSzuAOHBkCxuvAILjDAYwQTivaPEXi6/8Agn8d/A/w+0az0u78O6TFZaZrC3Vos8V1LPIpmdT9+KRfMGCpB+U9RT9q7Xb0BU4paI+afGvhv+zfCMixDyIbW5CqqkERM6c59tyg5rm57OC60dTEkEnnFU2CUb94wSQO/WvtL9tX9ml9QtNcvNNW31S+huyLlLVR5eoNAznyyvH+lxRHLKABInzAZzXF+J/iBqWofsV6HqV3Lp0moaxq82iS3KWkazNZQwyP5C/L8oZwpZhycdacK7TsZqC5bxPny8S4v7mxuvLme4nCq67ANmIlXcB65/nTvF+p6jo8Ni0zSI0UhhAYFch0U4Uf8BJNfVup+CIP2Tv2aP7Um0/TG8XalLZ2MWpXsSyxwSzwS3LlAcqqxwKqY2nc8mScKKtfs+fHq3/aW+HHiDQPiZpdnrsVlosurWV4tikU7eXII5VyoB8xYzvQqAQw6EMQOjml2M3Z6o+R7LUbeO8WS1G+4tmRGZWz5as2GP8A4+OvpTbO8uvNXTJnkkt83BhCtzbvvALJ9ev41e+OXwsvvgd8XvGHh37Ss17pN1Jbw3MzBVlUBJI39y0e0/U1h2Dg6nBeXc8caSpNG2PmRJCobj3G3NUopq4uZp7mprGmR3y/aP7Qi/fCKGNGuAk6OOOnGV7EmnanqIsvDH2GR4/Mt7hmXcfXKtj8dv6Vgao1r4m02JxC0klw7w7lYHyhuyCfQZ4FW7zS47TSGRtv2eKCNueD/CMjsfu807XVmNytqM8RW8dxeWphvJPslxcrGV6tBIwUFcH7uTyDVBreaDQNaW6jmz91Jtu5XMZ7E+nGQORWnp/gy68SeMre1sEl+1309u0Ee3Hmy78I34YGK+8/2ifgTZeLv2b7rwjZahp2p+IPDYQQWyIBcRattlubiPKjbJ9piZs5PDIAvSonJR0Qa31PzzmvF1O1nkkjaGeOGOUlUyskisFGfThsk+9dFf6JqmoaVfXkdnNfWtu6MtzbwswjUgq44UqOffOKPgI2h6p8Q9DbxCzW2kyGGPUmbmWKBiqyED2x064r7v8AiPfeOvhVqaXngf7GttptjEsXhRbNWt7xi8uZ1QHM8U0Kkgxneg4ODzUz92zL97ZnwN4m8EXGhxaNbypJDD5kTyRyI0QeFwAjAsBng9RVfwr4PutPt7xjaTNp66dPC05UssMm7KZbsScAepr1/wDbT+Jeh/FD4hapq3h5LhNOs9L0+1SK4ieKSGeMIbiMq3zHy2ZkB7qB619BaRrdr8Q/+CbGtX0GiaLpU13KtnJDZQeVG4W6tlVuSfm5PzD1pSqPqK2lmj428N+GP+EkQ5aT7RDHsRwC7TKjHICqOu09+TVY+DNavPAt5o8ejazcXEMrxh1spVXB2lB93kDkkjjg812PwJ+NJ/Z1vvEepXVna6prD2LxaS5fbbWxkdkd3AO5gU4GMEHHevqr9nb9rvxV47+D3jvx5q2n+H47TwZaqdKjgSbebsK0m3c0jZzI6Dac5EgzTUmtRyVkfEPwgvNS0S91eSJlS8urCS2gVG3STHKNgLyT91ucd6r6n4a1jw7dXn2i12rcW/2iP7RG6NGrArnBA+XDA8c8c4r6r/Y+8LW3hL4TeLvidcWFhq2pafBfXKSXEQVotlqZBtz0Y3MiE9sRkdzWv4E1m6/ay/YRvbjxJJaaxrXhB7yaz1u5i23hCIs6o7jarI6mSIjH3WX0rN1JXugk1dr+tj4x+HOgyeM9TurWNrm43wqYTZwNIbh0KkMI1BLr976Crmq+GLzwxHDfXi3yzO0kVqbuweCLy+Dgbgp4BJx6HPSvrT9gvQbXwv4V1C40DVNLXxxrErWyRZjuLjT7ZJCAogaSN38xi7HYc4Vc9RXl/wC2j4j+IWueMtP03x8dNuILfNzo0ukRSQ2s6sUidjHIzMs6hdjo5BXbjGOacqzk9TWEFGXKePR+HtSuteuHtbXUNUjO258yC2Mv2eMod4fGQqqecntV/R5o59ORozNd3Su0IiVcMx2AAIAM5LYxjOa+rP2E/iDea/8As9eP7W4jsbdfDdjLawS2dmIZpi9pcqROyjMrsyrhmzjGa+cvgX4kuPhF8Q9F1q80hp7zSVMkFsZvLWK5CnynYjPAf5ivfGOKXM7DjJa2Rb0f4O6+ItTtf+EV8SRl2IUtYTlm3ISONpBOMA4rm47u4tNUtbLUVn8tbe7jjtzbCORnPzMH+6wweMHOPSvrn9kj9orxV8ZPFOpN4pvtDsvCOg6ZNe6g0VsybuQPLL+YzDKxswPBGweteNfDfw9J+0R8XPFHjbxJLPcWdvqLX17FFEW+3TXEyx21spxuCkcMOMJGfrWN7asrmd2pJW8jj/AXwx13xDp9zJ4f8O6pqkc1u8ZuoLVnWNlG8sXA2nhWPHOFJ7Guajsbw2bWcMbX19eWsUaIEJaUo5AYAckkEA49RX1H+0r4L8dePtCvp9GaGHwFo6SJa6Zpl+POlSAFpHdIjsafavmGPcSsfQHBry/9j/x5qelftFeGVsIbO6tdeufsNy09msklumA6GNj8y7gxDEHkAZojG+xSqaNnj1tpGoeH77UtH1O1utJ1DS5fLuobmF43hVjwWDYxkMCM4ypFVtT0byvCvh+1lEf2m+uPKV2KgqSMgkk4529M/j2r2b9tywjb9oXxlCR/pFxZ2wVmkLyEi3iZTg8ckEc9K8X8Vk2PhIWU0Kv/AGeYryJJm3SR/KVKkjuMEn0zWvLpbzLjUurst+Ibq48P3d0L6CWW+kbdGwB8tQE+cLjvk9B0Bqh8TYV1sRybIY45oop0ZBtUZUBx65B49MitCCK7PiK3VbhbiS7to5DGBuVjgggDqD0574qa6m/tbwXFc332drqEy28aeZzuyeG7e9OUFzXJje1zP1Fv7S1DRZGjK7WikjmEZEjICAX47nbxjgdK90+GC2s/xb8P3kU0eGl8pXdsMV3dx618/wCl6iuo+DtFhaRrOS0Z4x5pPl4IJwvfcSMgdOa97+Fka3PiPwn+7VZDdxSTzebxgkEEqOB+HJ71NTzNI7n1z42fzfDviplk+ZNDumZBzvzZuceyj1r8a4YPOt4V/vKp/Sv2H8Yal5fh3xpDJJLtj0m53bYycf6C5DZHPXj0r8S/EvxitPC9/a2cFqNUkjjBl2vtWJiOxXq3rRhqUp6QWup+S+I2DqYmpQjT3XN+h9J/sL+E59T+LHiJYFV2XwbrBGTt+7Buzn6fnX2R+xN8Qovgf8NfDFuvhu11nxV4y8M2E+lRXF0YhZWRVgLqVR3kdz5a9W2j1r4p/wCCZvxctvFvxX8dNdQf2dBpPwz8RXrskhkZwltjH4lxz71u+Av+ClVj4J8Tp480uHWbr4oSaMNHi1K6nWPS9Ji+zJbxy2tuqb/OiiTam4hUJ3AE81z47L6lecaVe6ind2PS4NxVHK8sSxk0n71rvfVH1b+zd4/1SL4/+PPhN4x0+Lw74b1QR2urvcWy+faSxyvPH5nmENHG3PAUh8AcFhXp+nfCzRvFEcc3gnxl4F1yzY4WP7H5auBhV3x7Q0TgZ/h71+W13+0HZ6vNdSa3Y2+v3F8qiTU7u+vDqduR0K3AOWHdlYMD2xXOzfG2fTvmi1meTywApkMhkA6Y8xVUnj1NelTw9NL2aWi23/y/U9SPF1KEnKFRO+uj/wAz9ab39l34jx53Q+Eb6OQkhYXjh2IecKsg6cCuevPg34y8LyRwX1pptkwYGGJmT7PIx6hXQFM9cZ28+lflxP8Atja9DJt/trWo9se1Db6hMBjtkMTS2v7ZOuLt87X/ABKx4AaK/KnrnnjmqrYNct6cHc9jC8YJ6VGrf9u3/wDSkfqNqXhyzsYLhb7S7ia6Z1j2xHT7ieV8gMMBWZQOTyfx70aJ4P0W/jtLexbUtLvNUvYLcRCKJUiWVwjy3DRjCNHy2O6n0r8yU/bV1RBtj1jxR5bD51+2BRJxt+bAz0GRitWP9uXXI7ZY7fVNahWWIJIY7wq0i443cZLY6GuF0sQo2jRTfnL/AIB1VOKME3fn/GK/OZ+neqfCK10S+k0+8tbyTUrO+e0gDPavBetkfMki8FHZcjPOccc10Xwv/aAuP2dZtdgHgvxNY+KPCVu8txbXEK7bWJnWQOdpO6Mq27cARjuOlflV4e/aenm1CG4WPUpriFvMjlu9RfCMBw2MfeHYV9NfsZeMbH4k/tffCOSS51641CfUI7bUri8uBIk+4Sq0cRyG8koygpJ3Bx2r5/MOG3jpKpXvGS0VrfjoTR48wsZfV6TUlLdNpv5WuvxP2O+MPj+fwx8PfC9v9nX7T4ph+zLKsIYW0ps3lLsc9BjAGDX823xKvp7HxNHcXD3Vu5YmSZIsCUOWySuOQSeoxX9Fv7XlnHcfEz4OWuZI/s+r3kyQxqQcLYvHtz91eH78elfzqau8nh/WJreSGMBpLmM/vMM22VsHGfbrRmlFUsXZa6Jfcj6HIZxlRbWn/Dv9DD8KCxbSL3T/ALLqdws0v+jAMqR25GArHJLZ64ANer/GXwJr3xT8AeCLbSy19dato2qWgjbJImj1COU5HXAQdemQa8mn8UNCnnfuUk2mQmWYbpufuEDuv9K+ltLjew+B/wAKb61ePTpozq8rToxWQs9yuBn+78xBrwM0rzoJVYLXzPsctoxqTUJdz5aH7J3ji9luFW3VrixO28EkbR8bRxHMww7cgkYyAa/Uf/g2V+F3iD4eftJ/ESXxBt3DwtBaW+x967ftKsF9uBwDzwc18z6v4h09YEb+0pHMyxzlUH8b8nr1z0J96+tv+CM/xQ03wF+0vr9ut8XXXNC8uGHtJIJ4wFTjqBuPPvXBl3EtWGOpzrJcqeuh1Z9k0VllZ0k27flZ/odz8Si3wz/az/aV1+MWsekXHibwZdgPhoZAgKyyYHO47sc9cZrzb/g5I+E154/+FPwlvtLtobJdNudXuirvn5YmSUoD3yo6epqP9vz4g6XL+0D8ctJSS4mDQ+HBFJAf3PmQO32hpceivj0BIFan/BaLxzpfi39m34X6HJqEK3Freak7tER5kMas6DKg/LwnIPUD2rxa+ZxhzzVubmjy6JvScvK9uV6q55uDwMnXwV03dSv6exg/zvY9E/Z11pfiF/wRq+Kll5cbXVt4Y1aBkUlthUtIAf8AvvJ9q8H/AODcyPUPhn8RtZ8HXUf2m8jLyySRuG8sCe1l5PcHfjivXv8AgnZ45sfBv/BNn4hHWbix/s/UvD+tPHAHGZCEWPkdQSWHX1FfP/8AwRK8Xp4L/agFz/aCLHqWnXET/aB8zNuseA394L1J4xxXbRzKnSlhYXsoRjfTVWcrffFlYjBuVLMnFX97Ts9m7fNI89/aF8GzeAv+C6fj7WUtVaz1bxFLbhNxRWkIglBB9eS2O5zX0Z/wclfBy8+If7PPwWmsfs7f2Hc6vcyOziNpEgCSFRnuQjED1rwf9vzxvpz/APBT7xp4i03UJJIdJ1z7TAgUrGZ4oo/MbPPKMn/Asmvoz/gul8UtG8efs6fC+za6t5Jri/1S8uIkJDBDuUsSBxzkfT2qaWbUYwq1FL35cnJ5qM/x902lgp/WMBC3u8rv84K9+1n+aO++EYn+JX/BGD4nQNbxnzvB+qQKMKN7RvI6knPPBHXvXzb/AMG8nhaT4aeML7wzqkcf2zRdTMyMsoWNsy2r9RxjLn8a9i/Ya+KGl+A/+CY3xNXWryOO3uND1eEW+T8pZ1iQBcd94/OvHP8AgibrMGgfELxTfLcQ+XBYtNILsn/XrPZF1jx/FtOcntXJiMcoQwtKnJWpqEpX6OMpyV30ur79zn+oydPMZW1cpJfPf8Urn6W+HPDn/CNX3i618iSGBvFOpXCqzbsh3R+voxOfas7XIyjnOK6HRfF9n48GpaxZSQ3Fjc6pdLbTRsHSdQVG8H/eBHFYevxYmbdzgiv4w8RKtKpm1aph/gc5W9OZ2/Cy+R5OAck7T36nN3hyMf3apS/M5+lad2m3+GqM0WX3e1fnEj3qexReNv6+lRsu+X5RheuKty8r0qJo8fd7Dr60I2UirIwHKjqeatWqb5vTio/JAG7GasW+Ni+9S2wlaxet08vjH41bsfuliMnd0qrbI2K07CMoq0K9tTkqS1O28BnFjIP90fSptSJ3seKj8Fx4gmCjrtPH0qxqMWVLfjX1lelzYWgo72f5s+elZVpepB4ULDxVpu7av+lRjr23A19IjpXzn4ej+yeI9PZkyFlSRv8AdJyDX0Ra3cd3bRyxurxyKGVgeor+5Pou4V4fJsVGaalKalZ9nHQ+Z4glzVItdiSiiiv6gPnwooooA/P7/gu5d7vAfg+3ZV2fbml3fxMfKlGPpX5DfFCzhXVZ9Q3v9ouGDyZORkADj8q/XX/gvbth+HHgqbavGpsrHPO0wTHj8QK/HbU9GuvGnxF1LT/tiwW8AeZmnkbygEXO3ABJLE4GK4cTUhFWmr66fcj+TePMDia3G9ZUZ8rcKdul1bb7+5zdl4luFlZlm8lkJO5BjHtVeL4veIBqXlxahb+RtYE3EIZcY+YkHqPTHOa6HUfh7eeG5Etb3SZDdSSm3VASu+XIwi8biTkHGB16Cm+IvgZ4n8O+Krq11LwfcRx6d5f2me606awNrK67vLYyLge2fvDkZFc/NT6wPawHDeMd5v3rb9bHCal+0Br1nawqt1ZYViUL2isRxz19T61lj9pnxICGaew3McMq2aqCPzruNG8KaP4kgvWWPQrWKxheaVpgJ1LL0jGwZ3E9K5r7Vot1KwXR9Pt2U/MhhBOaTxFGL5XTO5Zf9Xt7alv10Pub/g3H+Lt947/bN8cafqclt5H/AAglxcrHFAI8ul1By3qME9PSv13+DieZ4I+J3knYrTyMiocsv+iL1PqSP1r8df8Aghxqun+Ef2rfFV5bW1jYyyeDZ4/MjUIzI1xDkDnnHev13/ZX1X7f8KPiJdebJcbb64BbcCWC2q9Ky5ozqJwVlZ/kftHB7j/Z0OSPLq/zR+Q/xGaCz8ceIIbiC3djem7EPmk+TExG4N3YbjkFeBXlTaNe+OruPw7Z+X/bmoX8djEwfiVnYFWyfTJYn0FdX8UNVutB+Kdx9rkuprWO/VpklwY5V8w/MpHPTA9MiuQ8NeLNS8P61a6xp8vk3+lajHqmnzykSKHiY7VkHcAcY75FeNQj7i9D9Kne7PbtD/ZCHijVNLis9Y1KbWjJHFaA2qQ2F1KG3eSCP3ihiuFc5GTngU7wJ8OtHtfhVq/jTxFbzX1rp9pNd2WnSqFVv3/2aESyAbl33G4Z6BYnPUis/Uf2topLo3WgaCNP8RzOLpTJd/aLLTmkBDNDEFDbkYl0DPhDjqBiu++FOnt8Zf2bLvwbYXLTaxpljNp11amb95eqlyLy1vEQnDqJGeKXbllLK2NuTT5ea/OZXehw/wAJ/wBoXWNU+IliviXw+2u+GbcxpcxabpIP2EhgVkDIuPlXna33sEZzXqHwDu/+FoXvxG0PULPwvoul6bYy6/ot7qHh5YJIIHvCX8wNh3hlQsCpJ2Alg3Fcd+zJ8OPHPhn4g63pN1o/iTTdPuNA1C21CBQ32aeYxjylLBgkhyCAxOeeDXf+HbPUPiD8ffj7rlrMt1Drfh+70rQmjHmrNMu1I7ODnBBXPy5IHJ6VWnRjlu16anlPxC+DWsfAD40abrOk21qulzXIt5o7iOO6Symk2N5MisCJIpYzmGUHDLj+LNeteOdQaw/bB8UeDbG10u08N2GkSoltHaQMbW4FilyWilKM24uxPPUNivP/ANn/AOMkj7fh342jt4dS0q6NtpM+qExwIA4LaVccfKvmYEUvJhk6HaTjvtR0nUtb/bf8a6lHY30drDo04u3WPzIbSVtOjjWBpASDJu4HzZOOPSiN1HlJqN7eRxvxE/aZh+FP7RniXRb7wj4bvvCVretZT6elokc9tCqqC8E6LkyYJbJBBII96y/2sP2fdM+Gvi61utJt4V0/WLua2kigiEcM0qWsd1BPGA2ESSCRGZB0eN8daT4rfA6++LX7TviO80+FLfRtVvjd/arm4jjkW3ZQCwXOd3DgKee9ZH7YHxu0XxnBZ+HNBuPtdtpNzLe3l3Ex8hZ2hjtUgh7N5UEYDODtZpGxwN1Tpd3CN0/d+Z4/eWNvF4kuJLeNoftCNBIIcJb/ADdcD0I2++a+mv8Agpb4Ds9A8f8AhOxs4bPSbWy0ySSDybdY2iCsoCsVHX8SfWvlfU9UjtxbXyszSYSYP/B06fpmvrn/AIKaXUln8RPCMNuufNgkjkLkf6QWaIFMNweHB/A1tzPl18gatJI+e/AvhMeOPipofh9r6S3t9YmW3+0Wo8ySHnOVU8MyruIH0r2n4V+PvGQ+K2k+D/H2naxrStcNp9j4otE2XUFsMeVO8oBjuIGVQCJPmCnA6V8z6frd/wCANf026S8/s3VNLvjB51mwHksuclCOM84yuc11F/8AtKeM4LlNH/4TjxFcQTSvb7pp1QCIBgB5qgMOwrP2Lvc0qTR6x4Y+Hem+HP2v7p2kjXTfC+kw+I/EdlD8lvYXIhDvboxyAocqQB0ziuB8DfFW68c/Hfw/d3CzXN/rHiCK6muFR5FiLXCMM8DCKvGcYGK4+08UTaDpKR297eRPqjyxalCrHy7mMyEoZm6svmNkqc7jiuX0DxtqXhLxPfXtrfXGlSyTNZefbSGAx/KpZQRg4x14z2qo0WyXNRbbZ9d+Pvjld/Dv9r34i2s/2m68H+ItUmvLswLteMRorLfWrtwZo+drDgjKkYNM/a1sILD4F+G7KFdNuNF1LxI17aXdl8trcRyW8jidF6K78M8efkbIrwFfibrPxL8R282qX2oXkYia3je9ujM4jdHT5CRxn5c+lYNzqurTG10ptQum0vTLkSWlmbxjBEXA8wqpG0FxwSOuCOKcaMlLUj2kdH1Psj9q3w5d/te/sq6DrWhKtzb6FdWc1zHZNuuLV4LY2t1HKh5DN+7mjJ4dSQDkYrhf2NfgtqnhjTvEmsaxJdeG9Cs9LuNL/tG/iMXlfaGXc4DkFisYOBjliq9eK+b/AAH+0F4m+F6Xv9l6td6aiZIFtIY/tC7j/rc53Ads9AKm8WfHHxN8QNGjbWvEN1qSsfLlVp2KRy5PIVvlHYk10uMkzDlVuX5no3xS8E61+2l+0V411rw7ZrDa32oLNaRzMECKxWC3hLHOJmPlr2BZseleQ+PdBbwtrUdldL9lkSRIpNqiWRGUsrA5OFOSQQCelXvCHjTWPAGu40nxBq1jfTWkkU8lnKVWaIOM726EHcQcYIAyMcVT8drfPeXFwsipt+d5Y2LmPHzg4PTrirjdWs9ClFbWPZv2fPjF8N/g/wCB5LfxV8P/APhI9YkvWuIr1XiG2Jk2BCjgqQrfMMc9fSuP+NPjLQPjH8R7qbw14dt/DlpDCYFtY5N6xssZ+ZuAN7sCx2gADgV5ne6jdX/iNXuGZGmsWKIV+WTDcH2PzUeF7uS0124hUC4uJEIlKn55Rg5/DJPNHsr6vcJSt7qPqj9gD4V6tpF/f+N9d0671ix0fR5J7C1gt3ml1G8XOxYAAdzL0BXo+M12H7Pv7XGn/HD4zzaLY+CNH8K6tcSS3V1qcfm3DreIHlgnuBgBVEhEZbOArnjtXyP4b+PHjPw5Z3Glabr2radGkbIkVpcuigs3TAYAAbc9KoeAfG19ot9dX2l3U1pfO6CSUXLwyyxNydu3qMjnPeolG2+povev5ntvxu/ZMm8M/tGWOpWeg3EHhnxffW5i8xDHHHNcN+8tkfG3cjs2Aeg2noK9k1fwr8Svgl46j8N6XoOq+Nvh8080Wn2eoRmSeKMsUbZOvzQSLllLLhflJxg18k/E/wCO/iS+1XSzfX91eLahJIh9odlicFc4BON5PVuvvWtonx/8UajBaiz1TWNNt2vri1dhfSFgDGxymWzncDx6k1moSkl5BLe73PUP+ChOn6XaeO9Migmgm8QXdvdpqX2YiUrAJyLIS7cfvvI5ZmOcAEjNepfDDwD4ik/4Jp3Wg2+j6td6tJfPe2VjFbOtxcRC4tmBVAPmyqswI+8qkjoa+GdO1++1vxJ/alx++YyGVkRj+5jcZfkfeJweSa6dv2hPEfhzQrezt/FXiezjmD25givZY1cDO0MNwICqeBjviqdNtWK30MTxNpE9tpzQ3HmObh5IZI4/mcL5pJGOo2/pX1X+0m99+zX+xb8Pfh/Y+VpGseKHXXNX3JjykG4px13F3Xr18rPSvlW2aKSwu/scxmvI7lytvEf3i749z4A7FWBz0zUEnxH1HxxaTLq63El5p9oF+0zzuWkKPtUHOexxtHAqlGV7Cai7dj7M/Ygvrf4mfsweKPAcNwk3iBEm1IrLcBJbuGSEK3lKTmRYZY0LLj7srHsay9J1OP8AZp/Yv1rS9ahgtNc8UG7sLPT7lhHdO8yxwCUxdUSKISyZ9SgHJr5B0z4hX2g+K45/NurWOyvI2jktpHQEjiTG091IBHA9q6L4xaxdya3cyXD+dfWt1JaxPK7MwiZS4BPXJDJ/jUVKTTSWwvdu/M9Jt/2HvG3xB0LTfFWg2ckVrqJM8FxFcCOaKNTsaXfwEIZRzu3DPPJrqP2+vjbb+IfCHhHw/b3ttr3iDT4ZL/xFq8JZFmvHhgt2CuBmUkQ5cg/e9ya8B1P45a9Y2txpsd7dWsF5bo721vcOsBTarjKZ28kZPf1rA03XU1KW6CL9oiMI3KQF27m5YE/h+NKUZ38jSNm/e7n2x+wJ4Zvofgf8SIZLS8mXXoVgsClvtF0i2txGQuD90OwBZupYV8t62LnwlMun30D2N1pdxHBdmRirwuvyNEeSOCcEDpis/wAP+L5NCMdvaXN5bfal3yKLhgykHDcBsYPXjrVjxFJazzTW8vC4mdIpFDI0nynfvPJIIJ5PNZR5lK6NKas3c+htXsY/gv8AsAahIqNZ6l8UruYQCOQN51jE2ZFUD5iCkeAR/wA9cGpv+Cb/AMTtJ0PxhrPhe4vNPM2trayaal1Ltt72aGUsbbe2F3vDJIVY8F4wvpXz74fWK98VtbGS4/s5LQtF5sx2RKzITtHTqWyFrmPGujTaRrZktJbiSDcI0lJKiMn7q46jDZIx9auUbvUz9mnB92fZf7L2lSfshQeNJvGtxDY6bbX0cljFLKrSXstu0oXyYMlmeRX2ZxwHOeBXl/7Dujf2p+1Jp2oOsrR2N1HqN1ISNlmi8HB3DIyQMAEngDNeO68keqR3UjXVzJdWbQkM8+8uHTec5OccdemcipPDOtXHiB3njmjs7iFlCxxt5SyrsK5OOwO3j6Uop7sqUVax7n+3b4H1i3+Od5qk1hNaWPiSzRrN5ZVVZHjtUBDLuztV8DJAyRkdDXiXhfRl8XahPHeNDbwtGY7ndl5HZlBUAHrzkVR1K6ktjb3l8xjZXS1ZJ33OX6BsM3A7575Pciug8LJb2t7a3V99qv7e3Cm5jVvJfdtkCFW54wF3HHak4rqaQbirHKWvhrVND8TxTS2crMrSPECuFkTaQhBHQdBWxF4OkvfD8UurXDKPtRuQ1rKA6F+MDg/gfSremfEebTZDBqFvNeR28zH59u0o+Rl/RSe/QGtVZksY7aSzlUySWyRRqiFYw4I/LjvWkrvUFfczY/BOnXGkQLOjNb2CfZ1Wd90inkhieB6V6f8ABPUINS8c2McMipLb3MUiOq+WDgcrt9AeBnrXAa3pUet639sVXVZSqoISVjOdu7dntyTurtfg15mneNNIjILebLiOXGOMYA9+h5rKpJ22Kjoz6i+JkUmi+BfiFKWjaM+G7xtgu2VsjTJcEY4JGQfbFfhv8HPCeoat4dmjvbi6h8O6oYJbi0DFF1N4vmiZ++1GJORjOT1zX7ffGCNVOvRzXEkbT+D5y9mYwyustpIrSBupOF247V+OlpqkaaVbxxKsMSxBY0TogwCK3wlWUaL5N3+R+Z8f46eHUFT+J3X5H0P+wZ4V0KHxP8SItNtW0m41D4ZeIrK6lgkkZbhHiRh+7JO0gLjK14rp/wAKvDn2eNY4b3GwfL9rbKj8q9U/YZ15bDxt4wfzG/5ETXU+UZKlrfA/xryyPw54v0s6PqX/AAj+sHQ9SQiK+bT5lgdlwCqyldhP0NHs68m3GT+8+DrVcXWy+i1rrPpfZqxOPhToWRsS82t2N0aLv4O6CE+b7Z0zgXRraa2mgiTzpLOG4wT5bSB5Mf7qZP6Vm6X4f8Van4smt5bO+W1GfL8vSL3cvOB/yx+bOOorOFHEO75np5nk4Wjj6jvGLt6GbH8H/DLk5W/yB/z9tx+lOtvg34Z3KTHfBRnkXbc/pXR3fwq8UalI0dlouuXM0allRNDvmx7kCHNS+DfgB8UL7HmeDPFk/mN+6ZfDt/tcH2MHWtXHExp87m/vZv8AVM6m+WEHb0ZzqfBTwzICyx6gcNni77VJB8I/DUeFaPUFHbN10Ar0DxD+zL8YLbSydN+HPjSS8jPT/hH7thFnozDyxwe2Kq6d+zr8VtQtljb4d+MHuo4w08Q0x0aLjk/MMBc1yzxldK8qj+89GGR5xKnzcj+6/wChT+HPwf8ACup+IbOGb+0Y0uJVhL/a8MqkjJHHvzXrX/BPPW7Pw1+258PY3Z1s7bxEIUkzkocuo/Mj9a8xvvg78ZfDGoadeWnw68RItncqbxpbPLouVIKpnJwMnpyK3fgH8Mvix4D+NvhvxRH8NfHN3b2GqRakVg0/c0kQfJIQnOOc5pUcyjBOVeordLyXz6nvZRwzj3iKNSdKXNfV8r2+4/av9rv4kNe/t8fBPwtbyWVvJDp+paxcCSON5dsr+RAImblcujFivVRzgV+AnxBngtvGurQvPJfNG85YSwtGVdncFWQ/N8rNkMeOM1+s97438UfHn/grx/wmFromraH4a8H+GbHTLeDWrX7NdX8SmQzlEOcMskxJ9VT3FfkbfT3Ov+J4tTa4kkmvruWQnaWZjvZmRgozzkgAelfO4zHUcTipVqMlKOuq1Wlj98yTC1KEHCpFp2W/qzCezhgtv30NxI2GVZWlRnVBHncB169T619k/BTwBN8VvhL8M9Ojdvs7zatATsYBcNG6k5P518eeL9JkS4g8tYmiMXnRGEM8bK/8LM3p6dQeDX6Vf8Ev/gBYfG79kSJbrWNS0i803VbyGW6s9omOdj/IzAjleuBXg8QRcqS5d7n1GW4hUZ+1ktEcJP8AsctearaW5vA0XkPK0kHKwqOMEdiO7fjXXfsneGo/g/8AF7w/ql5J/ZaR3Z33Hm4FgqMA7sxYAqcsxB/hz1r6pH7CelDS/s6+L/FnkshQxGSILKpOcPheeevrVTxf+ylp/hu8sZ7KfVPEOoTkqkFwsf8ApJQbmfgYDvwhB4wOB3r4vF4PFQp861eltf0sfQf25ha/7qTfveR8BftHfHrVPGPxH+JWtw3fmWXjDWLiwkTYrJPDabZLcqcZG0ndx1DelVP2yfGrfE/xdo+n2VnLapo+h6rcC0WTctsmJZMK/VzySc9c8V7DrP7Mtivh3w54iklMkfijxZrUEOnPHg2qpsRmJBKkhgqYUDvyaseLP2ZW8VePr+SOa1sJ/Dvw+1e9vmC+asw3FNqEdGIfAJ6DivI+sL61BOO9n83GTX4XOynyRo86fwafc0n9zVjxJvHn9h/sa61ptu0kNxGZbdvLP7u4SVbeRmAHXa0QBB6bqi+D9v8A8IT8bmjs2kji0eY3YmtwWLKLWyLMOQSGY9O1em+J/gZawfAtvLWUx332e2gUD7sklwEIHrwBn8K7fSP2Y9L+HP7RXiDQbJ7jUrPQdbe1urmQAyTIIoTJx1ILAKAegHSub69zUJ1LP3moryvFOP3Wf3nV7OFOooL+838mk7/ej5N1R18VG58RXm+bU9U8Q61LcO53yNDHaR7QM543NjA+Ymuv+OHiWT4s+Pil4rNY6H4T1/UFVwX8n/WmPGSWwCygHkjHPNeueFPgB4ei8KeDbjz2/tHxZquuXD6akOEt7RZ4rcSeYfvb2A4GCNvStbxF+z9pNt4h8WTXVjdND4Y+Hl5cbYG2NJLNerHEr99gD/Mp9PSumOIi8RRppaJJ/fCTX3L9DndSChKpfa6+6Si/x2Pm/UfHXiTQP2R9U0We6uPsN5ctZom4sqb5kZt3plxznrivXfgnpMfwb/aJm0K1mZ1h1iSKKVBlQ4t7Mlio4cDbjv611/jP4I6dqvwivLaSL93cvZwqVctuuJb9k3KuPkJTB+UnqMiu60L4F6X8Pvjl4vS1W6vk8K6+629zIQzKF8tWclep+Xb+Br5/Ocwvl9aq42u39zp3S+VvuNY8kZunfWzb9VO1/wAUfXX7Dkst3+yn4curnzPPvHupn3H5mJnkySfwHHvXaawMnp19qp/ADTW0n4E+H4Wjjik8jzWWP7gZ2ZuPbmrus/Lu+tfy5xHWVWs5pW1f5s/PKlni6jW3M/zMC8YNJyMfWqMmN55GM1bvmzIaqTBjFhTtbggkZFfKdD0KZVdWUsPlIzxUbfvPw9KsSBpXLbfyFRIpAqfkbRGIlTQxhpMf3ajCEVNE22kwlexdtBtYVp2aZDfgR71l2pwa1bNvu01qclQ7Pwf81hNn5QxXHqDitKd/9GkB2/L1GPes7wj/AMg+Zv8AaFP1W/aB8cYYZOO/pX22X5pDCSo15q6irW9T56pTcptRIdVlaxmba0m6YYj3Pwo7YHp7V7D8GdZfVvBkKyBg0J2DPUjtXi1nqjSiSOYtIsq7YwBkhuMYr3b4YeHZfDXhSCCYgzMSzYHTJ4H4Cv7K+j7WjjMXXxuDqN0uW0ovdO+ifReXdHg5wuSmoS3udIOlFA6UV/Vp82FFFFAHwD/wXriEvwk8J/N8yakWK47eTLzX5l/s1fCO6+IHxR1Vo9Pu7i0vdatNJa5WPdBE8uX8tm/hZhGTxyRmv0u/4L2yZ+GHg+MfKzam2Tn7y+TNxXzP/wAEXdSWf4ta7pkyF4rfxtYXU8TgMAJLK8hjO0+kmOfWvPrRUqii+7/JH8555l0cV4gVKNSWjp0393T5n0h+0N8HPCX/AATn+DK69o+mw6h4kmna1tLm8sWuY3kADSmWUY+zxgDC7fmY44PJr5g/4Ku/tu3Xxg+ClnpsfhLUtG8P32tWWqXrT69bXV5qKeQERAsbuyopMh3PzynAxiv0C/4Kd3nh3Wv2PvFGm6rNo7zX0MkemvffvorfUGQ/Z3dc7uW3Rhui7gTgcj8Vv2qNMtYLDUtvhtbDTZysVtp0t9F59tLOqG63RRDosquqkE/KV9DXBiqkva+zitLJn9ASweDw+CqRU1BJNcqt0/F3Mv8AaB+Cvgr4Pa5a654H1jULrS9SdJbizvjukspWRGMYdVUOjI5OSAeucmvAfitYR+F7vWvs63txqnnQ/wBnWUUXy3KPuLs75+TaoDDHXNfW/wAc/wBob4X/ABi+AU2n6T/bGgeLAUt5rG+h/cuFjjiVlcDGTtPyk5AFfNX7T8dprX7TXia10e4N9pWjyQ6ZbXeCouhDBGpkAPQF8n6GuXV1OaSPgc6weHoTWOppOKSVujf/AAF+J7r/AMEdrXUJf2j9VWDzFaTw1cblZPmwJYif1PSv2o/YhtpovgN8Qo5t0P8Ap91gAcqPsy5/Wvyu/wCCCfgj7Z+074idxtW38H3DA4GADPCDu7/l61+v37O+kW9j4I+IGnw7Wh+2TDoRuDW69jyOfXmumjpUVuz/ACPqeEcQq2XqUdrv8z8TfjvojP8AF+4hby5ZklKSxxrvYS7htBJ6DbzgdDXmeqCaw1kSbi0kg3Av9yJsk7SB1yABX0F8YNLh0Lx7dvNb2X9oXmozI6OQ64Rsgtjn7vA9O9eLeM9Ls49YaOKWZJiqSohwtvjeeDIcj26Dp1ryqb0R+kyu20YemymzvVuL6ZoVgLzIUYFQ6/NjP90g1o6T4mjsLk3ix3G+yfZDKjmNiGwQWOcgkjqv41o2/g+Bbz7DqUC2d0izR7fL8xZUZDkg7tpwfQGoP7Bhk0+2tYbqO3uo3SNN+I2bYGXB3AY3HHBwQBmtZTjexKi2J4y+LviK78PNDca54kms4bhrcwLeyNHHF94cZ+YfMQSSeRTfEnj27/s6yktprq3EMH7vyZSpQFVGNi8ZGCcirsfhjURpUlmLd5FnbKKwXyg395j/AHSF2n1BHrTdD+F2papfC3umtYpooTChkUP5ZUHjHUAjgHpRzQexXI1ozFuvHC3up2Uxjj863eCV7mcF2njcANnqTyOPeuk0HXZdM0+6tobho7dbo7pBJIuASccbvfoeeBWM3gGbSoGtrmKaK1s1JXyJFEzlThdx5GCSvIIzzit2z8HXl1axwo1rG1tK8xWRzIxyoyTu6nKt0z1qZSjuHLJPU5uy1r7TDNGzXCbJEVmeYhXBPyknqTkms3R40uby4aUvPbw20iOUPyqcHDA/UY4rpNX8GX9zqcdkl9/o9wvnxomFjaQYOQe7YB6+hpJ/h/Jp+vtZ3M9v9lckn7N+8Bcg5bI5GOPl6DNONSNrhysqapZW/hm3guJJGMMkQBhZssEK5+X2PevW/wBpD9oiT9obxhYXF7o39kzabYjyoVnMquXIcugP3DsUAenPqK8yufBt5qOk+ZIf9bE3lzSAEbucLzyuQP1FbPgrwwuo2CtIm+8iTyp4pCSJEUBvvf3uSMDriolVSiwlHVNnMfEVltrnUL5rNY2trvzI4udzkLt/H1Nczqeq2/lNtctM0yTKGGdozk8/0Ofwr0LxOljqFv5d0si3EqFfNkUqTjbgAH0AI9awdL+Ft1dL9ujjjW1lufJ+1TIBG394g+g6YrooVFa7M5Jt6WFi12STw6Lg27eX9tZmRRvLEYIJHXOR09a5+8fTbsW8cNpLfNdZEhc43ngMT7jGBiu28PaFGbDULndubTroP9mjByFKFTn+9nAI75NT6d4Fs00O8vrHbp9xpoR7W5LLGhfa7YYEchsADH8RrSMuhHIzm/A93NqHibR7WxRFurOQGATHAIL/ADBvX/GpL28uNK1wA28iRwu8T5HEbrwqn1JHQdau6ZYzPaXEkMaxvb5mhvD+78oZyCM4xzxg9c0vieza/wDFt8s062EV1efNcBG8mMFAAyDqSWyN3TNT7ROQ/Z2RzunWrG51dmtpI18pocscIANwyT6kj86r+HLz+2LTUPsnkiWN1nRmHyqwUZzxyD05rvIdHtT4a8S/2gtxJtFqqSqm4wlpgQCfzHryK4i6sv7Bh/0FZHiljLRMEMbby4zjPoPXtXRzRMvZtK5dsr221DUrW5hWWyt9SsJbYwPj92x++oPYFl4HbpU9rN5Wi3p8tmm1DNtkMSu1UGQPTBGKoeHLqz1KKP5JJ2s5j0O2OU5+Zcn7oA54710mtX1okXmhW8llV9pTaXf7pAJ/L1z71lKSvYuNOTWph6hqG7U5JrmF4/s8J8shwWJCg4PscVFqPk2cby2sO26nZrgAgqFDMp2jvkDIx71KjWmq3luF/wBFRQskRmiLecWym0gn5fr61NBBcRa81rNawlSGgLSRMSpYZBBJ9RjJp8ztoOVNp7GdbS29j4i3XEkkMckJEku3LK24Ej6jcfwFMu7y10XxRBbzSvJCxbZG52AxqcA/kc1QuPEE9rr/ANl+z2bXFq4Yu0B+dSuMn/PNaJ8SR3ccEa22nx31y4kijkt8/wC8nPr1zTTXUTg7XiV9e8R219Au+ylkWzOxQAfkYMSCT9RU0lvNDoN1ZyRxo0d3b6l9rRmMsSndgKBx8wYg+4xUt8ZmFxDPb2cbXa71aS3+V2CnqffAGT3+tV9K1O2+z3ytZw2s0dvG0QQbRMwOOc9uT04FaxtFaGUlL4pGPZ+KbWz1G6ZdMub681AG2W3DboucqR8p3FiDkY4Bqtqson1uU28Jjawmt18t7kXEkzGP5juJYM5bOcHgVrWc2saf4skOlzR2skgG2SMZZzvO5ckfdxWNJpd7baxeW8qxqqrHcSPaRE+e4YkAHqrAHH0FaSa6CjGW7L+l6t/ZWvw3lsr2s0NlHdB1i3KflK7V9yRjmsnR9T1RL9A1nMpvJ2QFkO6TcckEfQE/SuuOnSzXekrevezWlrZm3dAuY8GTdsDdeh+96g06y8IXOpWt5qTTXNtNY5aDZJsMy7lAVe+WQ8k/3fep547Glny6HO3FzcJpoSRvLa3dBEfv+ZvA3cHkNkV2XxO8TTXOtrqc0UbzSpZTgckcRKHDgd8L+lVNf0FoodPulsLqZrdgrorDzNm8tgcc5z+FS+NZdRk1jS7m1jj8uRSzRkf6uUM2VJIwcDAx061MZKW5PLO+xzeo3kni7XN8ImtpfsoSPYSA2crsPGOT0JqTwYLi4u4FTy9rWm2VpVP3AcHHbdlR+NdNcTWNjaz6haPcTTqGjltvKO+Jhtfdjpt3E8A/hWUdShjaOaBWht43wAiMX8v5WZTnAwdxx9DWcqi2NI05PUXU5JrHXrOOSOFi0LSO6gl1wxJ3A+tXJ7VJBJ5dxI91AjF027RDjH4sh3YyOc1Yc2elRx3DtPBLCrxCRxuhRWwMY5/vda2vDllFr8DTRtbrfalG8EDMVVUcDKscc/w46gY61zOWpvGLtch07VLG31XT4buTaq2oSIY4jZt27HqMsvXpxWN4lupLi3hhmhmWGcIqqfmJkA3DJGCOOmTzXQ/2VfQ+I7i51bTZI7cKVC2qhY4zuHAHI28D5cnjFO8U6ZdJqsN1DHIy2cI3eUuFfbnk56n5scc4FK73Lhaxg6x4euNc123Nj+5imigi8pwWSVY8jJI5AOeRXVWOgzado1rO2jwwXBsxdxYIkRFk+YF+SRj+6wDdMioZtekt7ez1C1jkUNCEk2WzDaFYFj7DPGazrbWry18UXLXVrGWvLVdioPkjb1Jx1+p60XlLR7Fcq3GeKrSa6Ok39uW2pGAfNZTvZwfnI65JGBj1rotJkeS0vFkhj22c/lszgsr4wMg/jnHsPWorJFudRuFaVZYZIQwWctmPguSoxwc8DBxmrcE81raSzxXH7u+u0jFu+SQSBluuOopatWQeZVvLvTb62ZpLfdH5JaVgpXymbHHp74I4qSSQxvdWsNrIzwxNMjmf924Iym7HTJHb1qLX9OTSLhoYdQR7ickKVjy0bL0DY46c471JpGpnTdO1CZbiO5bVFKyR+SSRH1UN6cnr26VabskS2+h0eqSGx1Tw6LuxaC11DSbC+ECTZEYZNrrz7o35n0q58OLa4uPGeiQW67o4budbeFFJZQjnqe/GefbNN8cWkJ+E/g66WEPd2Yu9LMR+fJguFljb/gSSMO4pPh3btFrFjdq32f7Jfti2LjzNjgYxjoBu/SpqaqxNN3sj6c/aS1JWgugdu5PAH3lIVuY7g5PcnivxkhnVoLcLna6qc49u1frx+0BfR3tleXkYkaT/AIRCW0eYYby1SO4cYHXknbn0FfkTptm01pAuGTKrux83GPWuzDR5aMbH5R4jSSqU2/P9D1/9kW3ln1vxsLZfMkXwLrLLlsBT5Gc/X/EV+q9p4LX4Z/sT2eh+Bba5uvDfinwva67I2qXTTQeZ9jSUsqMGCseUUIByvWvzZ/YN8LfbPEfj77q48Bawcf3sImf0P6V+0f7MPgPxt4l/Yb+F+g6b4V0pblfCtrZNqesECO1j2bT+7+8TtPAx156VzZhUxceR4SPM76+h6vAjpPBNT2bZ+QAsNd+CH7OnxM8feF5rq11bSrzR7Ga4eQfbI47y4mDKoxnGEQYGM5zk9K81sP21vi2ur+Xea54kvdHuIiTBcX9zCvl/MsWyVXzwwwcHBIIr9kvjL/wSI0Rf2YvGfgbwvNq8/izxfbWXmzSzqwiura7+0R3S5IIh2FohsHGQDg81+ffjD/gg18fvDVu02r6poqaTpcqq32rUGkWOFm+VkA3DIJYhQQFZgT2rtqUZqC59X1Ptsr9lCLimo69lt9x856n+0h48tfCN1ex+Ktee+kX955ep3WS2/cx2sxHT5AQRxWT4p+K+q/D3WI/DOqeKPFDX2mxCLVLmLVrlmNy6s0wUB8jbuUemUPrXtHib/gmT8QfhxNpUviDW/Ddna3Fm15bxQrczPLE3mCMsyIfLc7QWBA45rz1v+Cf2sXXje31LXPHHh66j1aVZ7lxaXnmTESfPh2QYc/N97gnBNYxpSceWdz1pVIJqdJr01PFZP2gvEXhf4k3Vxb+JPEtxo93MkYh/tGdMoFG1wCxIyeSvr2r1TwN+1HJpfxZ8Mt4ishrmh3Nw+m6hpmoGSSC+tJvlkWRs7vmzgMoypAI6VrWn/BL7UobxZLjxj4bjtfMZ42Syu2kRNx2MRtwfcjjrXqGnf8EpbzxnercXXjjT9Wg0eyTUtStbPSLg3kNrHndcwbSDLCj/AHyoOwYDADmplGnUVuW9lbzNOWUJczlZXuef/G34LW/wv8dqtvdXFxpdxp8V9otwLjzJzY3EZktkmbp50JUQyYzgrzX0N/wTF8YNffH/AMIw2rTXl1q19HCyqzOIo0jUqW9EUKxbtnNesfEb/gndZ6l+zv4e1Sz0zXrq8tLuSOPWo9RsBJqUEbsE1G38yVSAifLLblTJIMkDcK8E+APw/t/2fP20rH+z/EFzM/hrX/sVy+m6X9uivBDzNJC0bBljeMMxBGRkggYr8vz7IaqkqFWN4yaSavrdrS61TtdH2GV5xSq0ZuMtUmnfppZP7z9Qb63vB/wUN8cWaXatH/wiFhJeSND5klislxOieWTnkqiE4r+f/wAR3LXHiZraGCKOKOaURyYMZt2SQ4ZtoyWPX8a/Zz4Iftl6b47/AG1/FXi63/s61sdWstM8OX8N/qCR39uW1F4EMURGZSzSDCnBUDk45r8hvj38KfEHgn4+eL9Ku1uFfRdbvtPvyiBgdkzqxA5xngg57VjlvJhfcTsrytfX8f6+6xxYelVcvZyV5KEO2tlZ6LzdvQ4GPVpLSPZHpS3EkiGONt24LhjlnU4ycc5NfrV/wQ3s7rT/ANjO8XUtPWFJNYkmtpDOrC6ikRT93O5GXGCrc4Ir8jrvQ7iz1SL7TciEW7Fowrlg6FePn7Y9BX7hf8GvcFjr/wCyD46vGVLue18Yy2YmZQy4WztSdp6dXOcfSvfwuCp5jiY0E9NW2ummxGZVp4PCSqzj2/NHumo38cw2QtGrLgsAchR35pizWPiDSZJ/LiWTTXd4J3+XyyuGzz1GQB+dfYo0y3I/494ef9gf4VQ1jwJo+vrtvNLsbhTgEPEGBxX0dfguEk3Cevmj5GPES2cPx/4B+UUHgXXr6y+Dem6ppbQWsTX2qTuIJEk+03d8ZPmDADPlqrADoCKPGN2be/8AjNrcdvE/9oadbeF7LykxzPdiSXA9BEgyfev1Y8T+BdO8XaFJp13b7YJEMatENjwgjGUP8JHtXi2v/sD+HdM8Ii20NZmureTzovtG1tzngsTgZY9ya+WxXhk41/aUp3ilpprfk5Uv1PpMHxtSlDkqxs29eqs587/E+Fr7wh/wkmj/AAl8Pxqyw3Or299dtwpWJLkzyHGR8qqo596qeC9Rkv8AUvid4uvlVf7QvL28XaD5Yea4ZV6nOAqrX1zZ/ss+JpJZWufDar5kJt2G5GJiJ+6p3fL646Guq+En7GkkV9IviC1gh0y2dWhiVEZror91nXGBt4wOeleJT8N8RKjGmm+Zyu9LJWjy6v8AE9apxfhouUnqrW3TbvLmf6I+E9D0K6M/wn8OtG8Z0DREkvdybvs91d3n2mRW7q3l7cjHQio/Houk/wCFpXkFlIV8VSab4Ws3iz8kX2hp7h+BjaFVVwvTjOK/Qr4h/sZQ6p4ti1PQ3tYVu3jXUEuQSzorDLqQvL7OOa7r4ofs+6R46+H8OjWdra6adPcS2ZSPasLDr0HIPcDrXprwzqe2qTUrKKtHTf3OX5f5nBLjehywi435n73l76k/xSsfnHeeHJrKD4aWc0IhhsdUh1rUAqAqsMDyXLF8dhhQe/zAVz3ww0W+Hww8TazfWa2d14ovvtEdtDGVXfPdtI2FPQHPrX6YfDX4EWvw3+HWoWt1HbXmoXkM32iRY+ArKRsXjoBge9eEf8K5jj1uxV7aL7HpYMsCPggzE/e2+w6e9fm3H3CsslyZptyqzTcYrvaNNL5J3b9WdeE4up1607LRde6u5du9jrPC2mf2H4J021yW+zW6RBsfeIGM1m6tGXDbuucV0ZT7PpUIY7pAAGyc/rXPagOW/Pmv47zTAy9pyM83DVHOTn3dznb+DLdKozQMDndxWrefNIaqOu07WB9ea8mWWtaNHqwqFPyztNMMeeD+Yq2VUGglM9MURyt9jT2lin9l/wBoU6KzbPcj6VaKewHvUlvHtb29PSh5Td7A67W4Wdmc1rWNtsqvaqFf+ZrTtoeNw5GcAVpLK1Bc0jkqVtDp/DcPlaIW/wCehqnrAywJ9MVr2VsIdJhjbj5cms3UrbzFP6VpjMHNwjBLZI8unUvJtj/hzpUmreNLGONPMCyiRhjICqea+jEAVRjivIP2d7Db4j1CQqG8mBQGPYk817COlf6CfRr4fWX8JLFSXvV5yk/SL5Ir/wAlb+Z8nnlfnxHKuiCiiiv6CPFCiiigD89/+C+Vt5nw58FuzfINRIx6nypug9a/N3/gnz+2Jov7FP7WnjDxJ4oa4udHfTLiSGyhgaaS91CFg9pGSvEe5i+ZCCAD2r9Jv+C9kKt8OPBTfNuOplcdgvkzZNfh98S3aPx/rI3KW+0sG45ry8TJxlzLu/yR/NHFmPqYPjqriaVrxpweux9X/Fr/AIKleNP2lfGT6l4q8O6VJYiQzWunrEJrWBehhkXP72MjqSNxxn2rzLxF8TbnxBqNzNa6LpdtaSwNC6abYKiBicho8/d2jgDr714lbXs1nKuJHXb8ysvHWtax8RX7BR9okK5+6o71xRi73vqdNHi7HSuqjvd+f+ZL4q+GJ8Q6XLdXOqLpt9NI7vA0Z8x8ICrOQcfN2H97npWNd+Eb/wAOwWv9iiGWYTDz2uGxmPjOSc8knOefpWq14/nSeYvmNNkEEchu34+1W2u2uezN1yoHT3P5j860jJp8yOHGZ5isTy0na0bu3R/5n1h/wTK/ar8H/su/tgXmuaxHNpPg/wAQafPo5mZjdNo6yMjxyOVA8wb02swXOCSBxX6o/sx/tafD34j/AAr8da/4S1/+2rq61q6hFqsRW5EoiCofJ++sbAFgzADFfz+aRq/9l6pbzSr5qxTK7R7tu8Ag4/nXP3N/4ps/Ed8+gyaxbWNw+ZLiK9aJRljlnZGXK8nrzjFefjMRUpOLpxurP5X0P17wnxlLEUa2ExdSMPZtSinZNp35utrJpdb6n63fEb9jaPx3rVxqj6Lq0dzcSyPJNENsi5IO7IORnO0iuNu/+Cb1vE8bf2fqrW6oSNy5Vl69PrX56eMvitqniHWVm/tLUIoYrWG3IiupY0kMUaIZCobJZiueeuaoxeL9RWGMtqOqbW+UD7bLyPT71YxwN4qbbVz08X4uYajXqUaWH51BtcykrOzautOtj9G5P+CfaXL2v2i1vJTbHcFD7WdO69e/9ajvf+CbK3UBk8m5VWZs/vRucE5x1xx09a/Oa38R3TTkm8v2Pq91IePzqWXW5Z1kWS6vlj2ZDCZzyMccn3H51bwGtlI82PjVR1/2Xb+9/wAA/RBv+CawniCqmoR/JyiOBgfQNmrz/wDBO/JMlvcX0S8fPvVmcY6D5ulfnPp/iK6tE+W8vI2YlTtnZevJHWo4dXuvM2tdXXygMczv35B696HgdfiZP/EaqXK5PCbf3v8A7U/RJP8AgmzkTTSNdtHMpDlp0BUAhhn5qd/w7vXzkmkFyqgF0k8+PL7Tjhi2CMk9K/PI67cW0vy3F0snQBp34/Pg/TBqXX/Gmpa+8bahqF7eNAnlReZO5ESjkKo4A/AVUsv6czFDxrpOnzvCf+TL87H6CXn/AAT/ALW8uXuJWZZgAik3cW1MZ5AD8E7qjt/+Cakdlqv2sXkjSviQ/wClxjHy7c43YNfnt/aLyRDLySM54xISSQcH9aQ3kzt5m6bamXf983POMDn9KX1F7OTJfjZT5eaOE/8AJv8AgH6HH/gnnaxzyt9sbcCThbyH5M9sbuc+1R3f/BOaz0y4UteNDLCfLWI38aMM9eA2R7Z7V8M+CPjD4h+Dfi7RfFXhD+zm8TeGrtryzTUYvPtLkPE0M0MyE8q8bkDBBVsHIxWfqXx80m50uzuJvAnxobxFGzrcf8Ty1eylUncSjCPdt3E4DknBHPFYVMK4Pdn6Jwpxtg85wir3hTlqnFy1XZ62un3/AAPu9v8AgnPps8uJLmFmjbhpL6L5T9S/P9a6Gb9h2SbQJNPF5u0lCpytxCkeFOfv7uME8nvivzvf9pu88PatqUmm+E/FV8oA/s43+kWUkh3FQRId2MKoPJxkGjXP2q/EHjvTrjSdZ8P/ABKk0iZcHS9Ml07R7CfBACzOqs4XudvPHbNZxpyb3f4f5H008fhrX9pD/wACX+Z+gdt/wTx03Tby7aEQwrKVcwzXkfJ6rn5+2dwP8QNWbL/gnpaOqwLIsjTBwIluIpOTxwA/zY6ivz+8V/E7WPiXf3mreIDZtq2pTJNcC2QrbWMMUKQW1nDnnyoYI0Xc3zO24nk1naZraadMfLVvNZwyXCysskAHVVIPQ9z17V1UsJKUeaTaPyPPPGHDYHHTwuGoqrGOnMm0m+ttHdJ+Z+gFt/wTt09dOmtI7qMWkihcNdwgzLnv8/HI4q1c/wDBPvTxewTTXMDSReWylr2FgNo2g8ycdMfrX5w+Oln1TwvNaaXItnezIBFKXYYO4Hn0G3PI5rq/E+q6bDa6Po1vbRyX3he1k0nUNYguzND4klWZ3S9TP3AYnRMd9ma0lhElfnZnS8XlPDPEPDJWaVnLXX5H32f2C0isZoJL62mW4l82UteRdTgf38fwis8f8E3NPGoyXUV5Y7XyozqEPynvj58mvz18AatJ4W/aC8I+ItQs7bxB4P0hpDqvh64upbaPUtwIUkxj5tpKttY4OzBqxrFxDdXM3kxxxq7MYgCflBJwOvYED3xR9TWj5nqVifGChSpQqxoJuXTm29fdP0Ek/wCCcdsZLWObUtLfyw+zF/bjGRg/df8An0o/4dxaZPbratfaaIVXLf8AExg4+YEfx+vNfn18N7yTwr8BYvC+tW2nan4ij1mfURrYLtcG3ddotm3fKFH3gFAx6k1h+M9K1bVl01tFvI7NrS8iluVZvL8+EHLpuAJwenaj6l71uZmn/EXKDr+yjSTX8yen5X/A/Ri+/wCCZ+llobk3ViIrNm8otqECoGHJXdvwSM5x2BqWP/gnXpsiiRtS0xZJiG2trUClscg48zoPWvh74k+KdF8V/EXWr/Q9HXw/oF7dNNZ6Slw86WKkACNWbluecnnFcx8L9vgrxH4+uNds7HXtO8Taclpo0cs0u/QZw6t5yRjCMcAglj3yBmpjg7u12TT8YKEpyg6KSim733a6bdT9BLz/AIJv6VfXXnNqOltJCoG4axbjtjDfP0HamN/wTk0+xurGZdT0m2ksZFuLd5dStgzPnO/lsN0x9K/PnxRpzav4aurWzkjtZ5FKxzBcbSe+f8BxWjokH2vw9pdjJH9uv7O2dZJEUk7i2R7tgc571X1P3G7s4P8AiNCt/u3/AJN/wD9AvEf7Atn4rkkmu9W0K43OHcR6naqo5J/v4U98dRVOD/gmvodiwLapo/2iRScNq9scxnkY/eZNfAfw9u4PCfx68P8AifUrHT/EfhfTIZEvtBnZo4dQ3RyKudvozKc/7NE3knT/AC9q+cyFRLj7vHHbpT+ppJNSZrW8Y6cacZRoJt9L7fgfoBD/AME9NDsYYyNW0No0UkMdWtlYZ4/56U9P+Cemn24k8nVtDSNvkDrrNqsb5BPzfvPmr87vh9ozaN4cuLbUmhvJpZA8RwH8oDdnkjv6DpVwRws+5oYWVGyBsHH6VcsGk7czON+Nbi3bCr/wL/7U+/R/wT90m3vYZhqekeZG/mBDr9r5chPRtvm4xj0Bq237Bum37TQw3fh9fPHzxx65bOqKBlmx5mc1+edxaWrR7vJt+D97yxx+lI4t0jOyGMHnO1AOCMdcVn9UXdij42VG/wDdF/4F/lE/QPVP2CbPVbcD/hINC8vb8jNr1ogVew/1np2qO4/YX0sadYWM2saG625kAB1q23Osh3Et8+cAng5GK/PeOK28xi0Fvz8wQxDgevTp71JL9nuiQIrVV6fdGSPy6U1hUtLsp+NEnvhF/wCBP/I/QKX/AIJ8aXG3krq2ir82dp1y2Yktgf8APTktkYHuKsa5/wAE7LfRraR5Ws7OO3UxyJJdRxunBVgysw+YHtXwZY3sOmweZatDa3CESQyeWH8mZGV45QCOSrqDjoea+rdX/wCCzl18WrS4g+LPwjvtVcgGaTwtLB9nvZFACunmneqbwZSjc72PJFc1an7NX16H3PCfHuHzmElNxpzj9ly3XRq9k/O2x2mofsEaFBLCt9qWmbco5V9Vgj3KAeSpfPPymnQ/sKabawI1tqWlzfZ1KH7NqUMm35ScNtYnpk+2DXzz8Wv20vh/8WLlrm6+DXjpr+Z2Zp57yw/eqSWTHRlI6bQcYFcfon7UnhfwPDI3h/4P+LNO85SlxFHq9tFFcuVIJDr+9jRlJHBPpms/da6n2kcwoPT20P8AwKP+Z9eTfsraeloyN4m8OwrJwQdYtkJ44YjzMjpj26VTvf2SdBeWP7R4s8OfNuQA+Ibb95k5J/1nrXwbqfimDVbTcug2ekbrcWy2qOs8kMe/zG3SbR87sT9F4rNtobdCzfZbVlz0MQAz9R0xXRRwynDnkmv63PzHijxWw+WY36pg4qvypc0k0kn2Vk727/I/QqH9k7R9Ei8s+MfC9msyfZyW1+0EeG5wGMnc9BUmrfsWaP56teeJPD8MrQqyGbW7WNnjPKOo38q2Dgjg4ODX50+JPD+l+KNPktb7T7W4hlcSOuMBivI56itKW6jvrO1im/exafaJZWyyN5ghijXEcaggkKoyBWywcX3PI/4jNaHM8Pr2v/wD9EdD/Y+s7+eSPTvEXh6/uIYGaSK01q2nmWMKSzsqsWCDIySMD1rOl/Y70xrMLJr3hGNshxK2u2nJU5H/AC0wAPWvzs0jR7HQfFLeIbO3Wy1owNa/bLeV4Zmifh0baQGUjjBzxTtSt9P1W2kgns7eSGSMo6Mo544wQKpYNX0uXLxihZSjQWu93/wD9F4P2M7WaQSrrnhvy7xS6sNatdsvJVmXEmG5BGRU0/7CsWha6umzal4ft9Wm2Rrp1zqcMd2S+NgWJnDszZGMDnPFfm7bWdjp2kQWUdmqWdojGCJefLJyfl+pyTn1rS1fwTpmra7Y61Pqllda9pcYuba9FzKZo5Bjaiy7clx2AOBjGeBQsHG+7NKfjCpXi6H/AJMv8j79uP2YrGKzj0+88TeElmjkYIja1DujY4BBO84kwoBGPXNV7z9my78R2rR+FtZ8H6lqVv8AuYobLW7Rn38HZgPwx2tx7H0r4E1C0ay8SXEN5Z7bwOHkcYfc7chtwHOecHvTvD+i6b4diujY2wt/triaZg2fNYE4bPrycY9apYOMdXc55eMSi2nh/wAf+Afa37VfxJsfhH8DL7T9QktZviV4g08aLb2lrPHcf2bFnEzXG0nyiVLbF5ZiSa+B9N8H/ZURVUDZjDAfeFdsbJkWSNYW3bfOlVRncAMlzj25z6VmXF0on/dsjKRkYOR+dd3KlFW2PzjiTjPEZvVVWUeWK2Sv+L6n0X/wTN8Err3xC+INuVjaab4fawMHhmysa4HvX7leJfjV4N/ZA+BmiN4t1a10S00nS4LdIS++eby41UqiDlsHjI4r8OP+CcGsfZPF/wAT5Ga3DQ/C/XrkNIWDKyJEw2n8K9p+Pf7U3/Dd/jTS4fHWpWmi+ENHvimiNMki7YmdVaciFTJIvG0AsAcZ6VnPFPD0rwV5PY/YPDONPF5fGM5JJSlfXppsH/BSD9orxB+3j+0f4bk+Etx4p03ULGWHSNLfTbya0vJTORgiSJh5eSdxU9FBJ6V9Zf8ABKb9nP4pfs/fDXxwvxQubrU5tc1bzGS51Eag13tV4p5Xfc331CgHI6ZIFc18KdO+F/7Ovhpr3wNrFnr3jRrVrWy1C6MOm2mhxyfeeCHdkzFTjezM3+11U5X7PHxAvPgF4n1q6t/F3hW403VmDXNpf6rbvFDJjaXA8wFGPQleD3rlw6xFWLlX3bbSXT16fdc/ScRWwdOXs6DvFJK76u99D0r49+CtH8B63pentYq1jqkTvaGQLcReUhACkNzwSQSeORXkvxO/Zc03xz4ejuNPg8mZB5oQKNqYHAIzxivSPHHxd0/4oa/Zzan4x8C2ENnCI7eBNas4URDwxJMu4qxOcE4yBWpo3i7wNDF5Nx8SfhohjT5kHiq0Z19sbx+WTXqRp+6lPc86GIUHpJHzb8A/DtjHompadrWmm7mSKM6cI1+WRslZfMDZ2BQVyBz8+RzXZ/spaBoWr/FeWG/kvdBk0Fzc6bNBqC2t2spJBeJ2OY3H3WZQ0c8fEiA810vj3xH8Lfhv4os9Q0rx78PrjWNQuiIIbbxLbR+bMwHLSISIAcD524JHavj/AP4KCfByw+P+q6hrWg+IrfUl1Qk3ENprMRu7C5TJPCSkyITzuXOfxrjdOnQq+06fqe7RxkcTSdGUkn0vb/M+iP28P2YfB/7TOq6d8O7H4j3S6lYxXN14f8M6a8N0lgZJPMuZLq5XHlLLJgpHJuKlm7V5T/wRW+E2sfC79rvwLomv6TeaJqWk3+qh7a6t/KkdTZThXAIHytwQ3cCvjXUPA3jv9np9O8ceCPG15Dr+grH9qa2uwt1tJGJWRuZUyACCG25xX6Hf8E4P2gfGH7SX7a3wz8S+PrTT7bxY0dxY3ktgFRL5IrC48uYqpIBYN82ABkdB0rwcyp0KuMo4hN8/PDTpa6v6WOmdb6pgZ4ZzjyyT7Xv5d1+R+qHjP4K+EviEsY1rwzouptG4ljknskaSFxyrq+NysCMhgQQa821D/gml8BtZ1C4vL34V+Eby7umaSeae08ySZ2OWZmYksx7kkk17on3B9KWvs6mDoVHepCLfmk/zPkqeLrw+CbXo2ec+G/2R/hd4R0pbLTfhz4Js7VRjy00W3wfrlDn8667wp4K0nwHp32HQ9J03R7EMX8ixtUt4txxztQAZwB+QrYorWFGnDSMUvRWM5VZy+Jt+rYDgUUUVoZhRRRQAUUUUAFFFFADHTzAykcHg+9eNfEXwPJo/iGeSOF2tJm8xSinC+oNe0U1k3V8vxXwvQzzCLDVZcrTupJXs7W8tLeZ0YbEyoy5kfOmoR3Hk7VhkZenCGsDUNMvpB/qJjzj7hr6o8qjyv92vxSX0b8ulLmlipf8AgC/+SPVp55OG0PxPkWbw9qT/AC/Z5m3f9MzxVd/C+qSnH2S6b/tk2B+OK+wtn+cUbPb9K2p/RyymO+Il/wCAL/M3/wBY6n8i+8+PV8F6tjH2G457+W3+FSR/D7VJSqrZ3Bcnp5bf4V9fbf8AZo2e36V0x+jvk6eteX/gKD/WSr/Kj5Xt/gj4kuUDppd00ZHGUxVq2+BfiNTzpN1+lfUKjApa9GHgDw+kk5z++P8A8iZf6w4jsvxPmOb4Oa5pkfmT6fcRxjqxAwPyp2j+HZYJ0WRdoznBr6UurVbyB45F3I4KkGvOtU+FWoW9832WNJIGzj5wp/GvheO/A2jSoReUxnUX2lo5abbJaM1w+dSm37WyOSmwIz6/yrNuyqnkjr+nrXXT/CvXXO1YE24wN0wqvafAvVrm7jFx5MUbH52V8kDOTX5JHwf4ixNZP6nNK6Wqt+Z1xzCjGN+ZHa/BzRRpXg2GZ41Wa8JkY45K5O3P4V16/dFV9N0+PTNPgt4/uQIEH4DFWK/u7h3KYZXlmHy+mtKcIx+aSTfzer8z5WtUdSo5vqwooor2jIKKKKAPhP8A4Lc6K2s+BfB6qjP/AKfIBg458mWvw3+NPwm8T3fjfxFGmi6ssNxcO0dxFEWDqcYKnv8AhX9QPxc+A3hP456fb2virRodYt7WQyRJKWHlsQRkYI7E/nXn1x/wTc+Ct3Ftk8B6ay9x5kvP/j1cNbDSqSv2d/y8j8b4m8O8xxufVM4wdWmlOEI8slK6cet1pqfzdvpniJvhx4W0C+0PaPC8dzCt7Fpv2e5vVmmMpNxLn96yE7VJwVQBRnFYfijwDrHiXRns7WS60243h0lhUhgecjIOcdOh6cV/Sk3/AAS2+BDH/knulrn/AKazf/F1EP8AglZ8B95Zvh7pbH3lmP6bqw+p1ebnb/L/ACJo+H+cqoq061K/pO36H88nj/VLzxp4kjvpNGsdHf7NbW0kOn2n2e3ZooVjL+WSTubbuYk8sSa5/wAYeGdW8VS6X/ZS6hpcGmzG4lUuZo7hz6jC4BwOD+GK/pAuv+CXHwJvVCyfD3S3VeADNMMf+P061/4JffAmxhaOH4eaTGrdcPLz/wCPVX1OonzJ6/L/ACOmnwBmUarrSq07v+7L/M/nV8VtN4h8S39/Hpdrp322UzfZLRGSC3yPuojEsAD0yTx3NZvghdc8B/GrR/F0dtZ6rbaXGYX0nVbE3djdqyMh3x5AbAfcM8hlBr+jr/h1r8B2lL/8K70feep3S/8AxVOk/wCCXnwImgMbfDnRcEFc/Pke4+brSjg6kXdP+vuN8PwHmNGblGrT18pf5n83MmjXKxEeSzcEIcH5fapvhkutfDy08cQta2ep2fjS1jtgbqz8ybSxHKshltnzmNyVCll5KlhX9Bmp/wDBGL4J3+oNPFo99Zxs5byYpIzGM/7yMf1pLH/gjB8E7FF/4k91M6EnfIyEt9flpfU6iVl+n+QYfgLMaPPyVqfvf3ZH8+NrY3izEx28zSMDwIvbBqXwBbaj4H+HHiPQ9Q0+11S41rUrfUbTVJIWN7p0UazK1vG+cbJPNBYY6xiv6HvDH/BIL4F6Fk3fhGPWn5CteTN8nH+xtrZP/BKn4AiJo1+G+jqrcEK8oz/4/Vxwc1HlT/r5nLS8Pcypxko1afvb+6z+cTUNDur7S5rZFnheaMoHVfue/wBa0tCu7/T/AITeGfCsljbPceHZbmV9Tjt9tzqHnyBwJm6sIwoVT2BwK/olg/4JQ/s/2zbk+Gukqx6nzZf/AIqkk/4JP/s/yS+Y3w20gv6+bN/8XU/UZWsn+X+RjT8O80hSlRjUpWf+L/I/nD8WeGtQ8T6Lc2sMs1pJN8omiXDIc8celdVrniW91zRvCdoNJ0+zuPCujQaPLPb2uw6o0byM1zOP4nYSAZ6/LX9C8X/BKr4AQtkfDTRc/wC9L/8AF1PJ/wAEu/gNLt3fDfRW2AKu5pTgen3qPqE7ct9Pl/kbU/D3MY0HQ9pT18pH81/ifwfqWvm1FtNNY/Z5Uf5CSsijI2nBH+Fdj488Qf8ACXeOb/VLfR7XR7e8mMkdjbIVhtV4wqKecd89q/oetf8Aglt8BLSUyJ8NdD3Mc5bzGI+nzcU+4/4Jf/Am6P7z4d6O4zkKXl2g/wDfVH1GVrN/l/kD8N8bKn7OVaFvKMv8z+cxbG9nhma3t5pFhHmSOFLeWpOAzEdOSBk9zUSJekY8ljtYhsmv6Ok/4Ji/AmNNi/DjRcZGRmT5uQefm55Fa3gn/gnz8F/h/qZvNM+HHheO64G+a0FxjHA4k3ChYF33/L/I5ZeFWIaX7+N/8Lt+Z/Ng1rdOkf7uZGXkksCDUFxbXZ+XbLnuQODX9RB/Zy+H7fe8C+DSf+wLbf8AxFN/4Zv+Hp/5kPwb/wCCS2/+Iq/qN/tf19xX/EK8Qv8AmIj/AOAy/wDkz+XuGzvJnijjt5mlkcIqqvzOxOAB9TVi/wBOu9J1yW1mH761cxSGN9yhgcMobo2CCOOK/p6P7OHw+Eit/wAIH4N3Kcg/2JbcHt/B2xSj9mz4d9f+EB8G5znnRLbOfX7lP6jp8RpHwtqpW9tH/wABl/8AJH8v9w0ivuj3bR8oDDDYHqKfHNMyDCybSMbQOlf0+H9mr4c5/wCRA8F/+CO2/wDiKcv7Nfw7UceAfBY/7glt/wDEVP8AZ6ve5MvC3EyVvrEf/AX/APJH8wdnJdCP/Vtu+vNKEuWkyY5dzdB61/T2P2bfh2D/AMiD4L/8Elt/8RSj9nH4eqQf+EE8G5Xp/wASW24/8co/s/zJj4VYi+uIjb/DL/5M/mKZbqRGRYWMiqXbjlQOpP0qO1llkXZ+83YwSACM1/Twf2dPh+GY/wDCCeDst1/4kttznr/BTk/Z0+H6dPAvg1fpolt/8RVf2eusvy/yK/4hXWvdYiP/AIC//kj+YWD7RaMxC/MpGVb+PNLeLceXhUGOM81/T0f2dPh+xz/wgvg3P/YEtv8A4il/4Z2+H3/Qi+D/APwS23/xFL6gusvy/wAh/wDELK//AEER/wDAJf8AyZ/MKzXHkqvlSbcc4Aqsb+6sXtY1tb5/tL7A8aHbCPVznKj6dTX9QQ/Z2+H/AP0Ivg//AMEtt/8AEU0/s5/D8n/kRPB//gltv/iKf1F/zDj4WVVvXi1/hkv/AG8/mEY3W1d8cmMcYGBUjSzCJiYyOOB1zX9Ox/Zv+HrjnwH4N/8ABJbf/EUf8M4/DzH/ACIXg3/wSW3/AMRQsB5mf/EK8Re/t4/+Av8A+SP5ibOW4aPIjbdjgA00tcxTKDHLnuQelf08D9mr4dj/AJkHwWM8/wDIEtv/AIikP7Nnw7z/AMiD4L+v9h23/wARVfUVb4n+H+Qf8QsxF/48f/AX/wDJH8xF3Fcs27yJ3HZtvApix3Zj27JGPqDX9Pq/s4fDwLj/AIQLwbj/ALAtt/8AEU1f2bfh3Gcr4B8Gj6aJbf8AxFT9R/vfl/kaLwwxKelaH/gMv/kj+YW3nuNqxXEMjQox2DbtaLPUg+/vVe+jkM2Y4ZtvXLYyK/qEP7OXw/Yc+BfB3/gltv8A4ij/AIZ0+H5H/Ii+Df8AwSW3/wARR9Q/vfl/kaf8QyxHWvH/AMAl/wDJn8vcD3flgiOZh7qKvaPYSa5qEMEkiWiSTKjzyAKsIJ5bj0H0z61/TtH+zn8P4iSvgXwcv00W2Gf/AByhv2dPh+xOfAvg75uv/Eltuf8AxyhYD+8/6+RnLwtrN3+sR/8AAH/8kfzR+OPD2mza3cR+G5Lq4sbOF5pLm9McCXOH2KiRufM81h85UblGfvCuTmgumXP2eRmXjBXiv6iH/Z1+H8qbW8CeDmH+1o1sf/ZKr3/7L3w31SwktZ/APg1oZhtdRo1uuR+CCq+pf3mP/iF9dW5a0NFb4ZO//k/5H8wDWF0lszSW8mG4MeADk9vp70xdOvkjH7tmHdcd6/o+uf8Agl38A7m9luD8L/DayzHc5SNlB/ANgfhVWb/gk/8As/XUe2T4a6KV3b8eZLwf++6z+pS7/l/kZR8OMxWiqU//ACf/AIJ/Oa2m3jD5bebpyAtOmtL59uYZGWNQB8owAK/oxb/glH+z8Rt/4Vro20jGBJN/8VToP+CU/wCz7boFX4Y6GOMdZT/7PTWCl3/L/IzfhtmcviqUv/J/1R/OQljeMNxtWZT1bBGKZLplwGG21b73Ur1r+jk/8Epv2fjOsn/CsdD3L0+aXH5b6mb/AIJbfAVx83w30N8HIB8wgf8Aj1L6k1/S/wAiv+Ia5g/+XlP7pf8AAP5wP7NuyR/orKvTIBFLa2lx5mJYbgR4KHYoYhfTH19K/o+P/BLb4Bnj/hWmg4+kn/xVEX/BLT4AQS+Yvww8Pq5G0na/P/j1P6nLv+X+Rf8AxDPGverD7pf5o/nLafU7zT47WZWMEe3CADgrkLz6DJ2jtnPalkgm3bmt5Nshx0Ar+jBv+CVfwBYfN8NdDYehMn8t1L/w6w+ARidP+Fa6KkbAAqDLj8Pmp/U293+X+RhU8L8e3dVofdL/ADP58dL+I+paZ4GuNDXTbeZvtJu7PURI0N5psjDawRk++jDqr5H0rk5LWT7RI/lEMzFjgcDn07V/RkP+CTf7Pif80z0f/v7N/wDF1HJ/wSS/Z5nZmf4Z6OzHGD50/wAvGOPnqZYK/X8v8iqnhvm0oqDq07Lb4j8L/wBjL9o7Sf2XfixqWreKPCF94z8OeIPDt94d1XS7a6FrNPBdBQxWRhhcBeeQeetenXX7U/7I8kcax/sn+MFRf+pzcAjsv3z/APWr9SvEP/BDP4E67qz3Eek6pp0DbNtta3QWJcdfvKWOfc8VmTf8EEfgbsVbePxFbjJJxdoxOfcpn9TVfVpW5enyPYy/hniLBUFh6U6MoptrmUna++8bn5Xah+0N+yHc21wY/wBlDxesp3eSreLsohP3eCeMD0ziqMv7Rf7IqXa+X+yL4mdEGD5njNuD0+X1H1r9SdW/4N9fg3PZt9i1DxPb3JTaHnmjmj46ZQKpOPrzXJXn/Buv4Q1NVa48a3HmRjjydGSNT9f3hJ/HNTLDNbL8EdP9k8UKVksNbvyv/wCRPzbX4/8A7JZuYw/7IfiVYGkyVTxkxLjGAOeevJqS3/aJ/ZHiCs37HviSRsjcj+MiygY5xz69Pav0GuP+DcjSWkZYfH1stuxA2PoTMwUd8+ePmPrXceFv+Def4TWOkquratr1zecEy2fl28ee52sr/wA6n6rK+i/JFwyfiR6zeHX/AG43/wC2n5g2v7Sn7Jtnb+W37GusTEoqZ/4S1trEHL5Geh459c0D9o/9ktnj3fsYaxHt8obl8YybsBjvz8393AHoa/VGD/g3x+BwDGe68YTyE53fardefwhqV/8Ag3/+Csm3N14mKrwv72DIHv8AuufqamWFqdF+R0f2PxDbSeH/APAH/kflLd/tGfsw3loI4f2KdYV2yPNTxnM7IPMLZHzd0wCOATnFfU3/AATV8U/Dfx3/AMFJ/hXP8OfhjL8L7Oz0zVReWj6u+pfbnNo4Qgt/q9gyOvOa+uIv+CCHwetifJvfEkYYAEA2wz+IiFenfsw/8EtPhn+yj8SoPFnh+HVLrW7O3ktree8kRvJWQbXwFReSMj8aKeDmpJyj1v06fIxp5Dn1bG0KuLnR9nTkpPlg+Z210bjpt0autD6VX7o+lLQOlFesfowUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAf//Z)

**Thông số kỹ thuật**

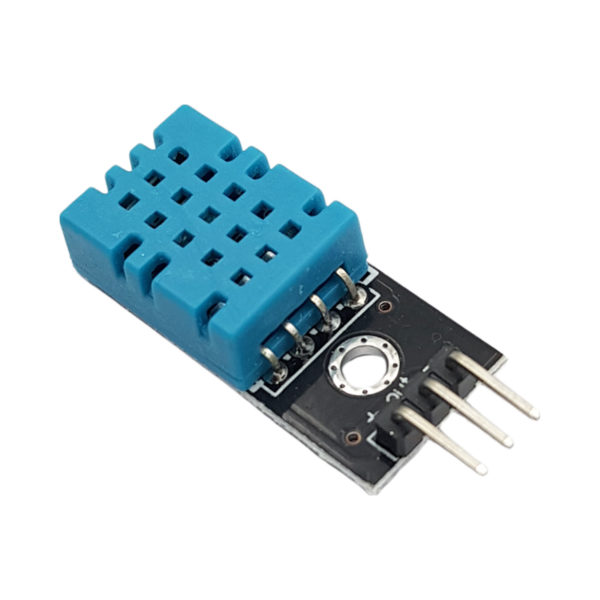
* Kích thước: 20x36mm (không có Aten và đầu nối SMA)
* Tần số hoạt động : 410 - 441MHz, bước 1000KHz, tần số mặc định 433MHz
* Điện áp hoạt động: 2 ~ 5.5 VDC
* Giao tiếp: UART
* Khoảng cách truyền dẫn: khoảng 3000m (ở điều kiện lý tưởng)
* Công suất phát tối đa: 20 dBm (khoảng 100mW), có thể điều chỉnh 4 mức độ (0 - 3), tăng hoặc giảm mỗi khoảng 3dBm.
* Tốc độ truyền trong không khí: 2.4 kbps (mặc định). Có thể cấu hình ở các giá trị: 0.3, 1.2, 2.4, 4.8, 9.6, 19.2 Kbps.
* Dòng nghỉ: 1,5uA (MD1 = 1; MD0 = 1)
* Dòng truyền: 670mA@30dBm
* Dòng nhận: 14.5 mA(Mode 0 or Mode 1) Minium 30mA(Mode 2 + 2s wake up time)
* Giao tiếp: UART
* 512 bộ đệm
* Hỗ trợ RSSI
* Dạng anten: Anten SMA, Anten lò xo.
* Nhiệt độ hoạt động: -40 ~ 85 ͦ C
* Độ ẩm: 10 – 90%
* Nhiệt độ bảo quản: : -40 ~ 125 ͦ C

**Chế độ làm việc**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Chế độ** | **M0** | **M1** | **Mô tả** | **Ghi chú** |
| Mode 0  Normal | 0 | 0 | Giao tiếp UART và kênh truyền không dây hoạt động. Quá trình truyện nhận dữ liệu hoạt động | Bên nhận phải làm việc ở Mode 1 hoặc Mode 2 |
| Mode 1  Wake-up | 0 | 1 | Giao tiếp UART và kênh truyền không dây hoạt động. Khác với Mode 0, ở Mode 1 có thêm 1 đoạn mã hóa tự động ban đầu trước khi dữ liệu được truyền đi nên nó có thể thông báo bên nhận làm việc ở chế độ 2. | Bên nhận có thể làm việc Mode 0, Mode 1, hoặc Mode 2 |
| Mode 2  Power Saving | 1 | 0 | UART không hoạt động, Module không dây làm việc ở chế độ WOR (Work on Radio). Thiết bị sẽ mở UART và truyền dữ liệu sau khi nhận được thông tin đánh thức | Bên truyền phải làm việc ở chế độ 1, không làm việc ở chế độ này. |
| Mode 3  Sleep | 1 | 1 | Cài đặt thông số. |  |

* + 1. MODULE DHT11

[Cảm biến độ ẩm nhiệt độ DHT11](https://nshopvn.com/product/module-cam-bien-do-am-nhiet-do-dht11/) ra chân được tích hợp sẵn điện trở 5,1k giúp người dùng dễ dàng kết nối và sử dụng hơn so với cảm biến DHT11 chưa ra chân, module lấy dữ liệu thông qua giao tiếp 1 wire (giao tiếp 1 dây). Bộ tiền xử lý tín hiệu tích hợp trong [cảm biến](https://nshopvn.com/category/cam-bien/) giúp bạn có được dữ liệu chính xác mà không cần phải qua bất kỳ tính toán nào. Module được thiết kế hoạt động ở mức điện áp 5VDC.



THÔNG SỐ KỸ THUẬT

* Điện áp hoạt động: 5VDC
* Chuẩn giao tiếp: TTL, 1 wire.
* Khoảng đo độ ẩm: 20%-80%RH sai số ± 5%RH
* Khoảng đo nhiệt độ: 0-50°C sai số ± 2°C
* Tần số lấy mẫu tối đa 1Hz (1 giây / lần)
* Kích thước: 28mm x 12mm x10m
  1. PHẦN MỀM ỨNG DỤNG
     1. Ngôn ngữ lập trình C
     2. Trình biên dịch IDE
     3. Phần mềm thiết kế mạch Altium Designer
     4. Nền tảng Arduino Cloud

1. THI CÔNG VÀ THIẾT KẾ PHẦN CỨNG
   1. SƠ ĐỒ KHỐI TỔNG QUÁT
      1. Nguyên lý hoạt động của hệ thống
   2. THIẾT KẾ PHẦN CỨNG
      1. Sơ đồ nguyên lý

A diagram of electrical wiring

Description automatically generated

A diagram of electrical wiring

Description automatically generated

* + 1. Thi công mô hình

A red circuit board with blue and red lines

Description automatically generated

A computer chip with a black pipe

Description automatically generated

A blue circuit board with many wires and a yellow and red dot

Description automatically generated with medium confidence

A close-up of a circuit board

Description automatically generated

* 1. SẢN PHẨM PHẦN CỨNG