# McFaddan

# Instruments

# Top view of different musical instruments

# Gabriel Pansini, Michael Alfred, Adam Mcloughlin

# Project Overview: McFaddan Online Music Store

A group of guitars in different colors

Description automatically generatedMcFaddan Instruments, a niche establishment nestled adjacent to the Music Department at Technological University of the Shannon (Mid-West) in Limerick, is poised for expansion. Recognizing the potential for growth and eager to cater to its well-established customer base, the management has envisioned the creation of the McFaddan Online Music Store—an innovative digital platform set to redefine the customer experience in the realm of musical instrument retail.

## Background

In response to the demand for an enhanced and convenient shopping experience, McFaddan Instruments aims to launch an online purchasing platform. This strategic decision stems from the desire to optimize profitability and cater to a wider clientele.

## Project Scope

The McFaddan Online Music Store will serve as a dynamic website, offering a virtual display for a diverse range of musical instruments. Customers will benefit from a seamless login and registration process, granting them access to a user-friendly interface where they can explore and browse products categorized meticulously. The platform will empower customers to manage their virtual shopping carts—adding, removing, and ultimately purchasing their desired musical instruments and accessories.

## Objectives

### Customer-Centric Interface:

* + Implement a user-friendly interface to facilitate easy navigation and engagement.
  + Enable users to log in and register, providing a personalized experience.

### Product Showcase:

* + Display a comprehensive range of musical instruments, initially focusing on instruments and subsequently expanding to include sheet music, books, and various accessories.

### Shopping Cart Functionality:

* + Allow customers to add, remove, and manage items in their virtual shopping carts.
  + Streamline the purchasing process to ensure a smooth and efficient transaction.

### Administration Portal:

* + Develop an administration portal for authorized personnel.
  + Provide functionalities for adding, modifying, and removing products.
  + Include features for monitoring and managing customer orders.

## Future Expansion

The proposed strategy involves an initial emphasis on the sale of musical instruments, with future plans to diversify into sheet music, books, and an array of music accessories such as strings, plectrums, and capos.

# Agile Methodology

![Chart, diagram

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAwADAAAD/4RD4RXhpZgAATU0AKgAAAAgABAE7AAIAAAAPAAAISodpAAQAAAABAAAIWpydAAEAAAAeAAAQ0uocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAERhbmllbCBSYXltb25kAAAABZADAAIAAAAUAAAQqJAEAAIAAAAUAAAQvJKRAAIAAAADNTEAAJKSAAIAAAADNTEAAOocAAcAAAgMAAAInAAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADIwMTc6MDg6MTUgMTQ6MzQ6MDUAMjAxNzowODoxNSAxNDozNDowNQAAAEQAYQBuAGkAZQBsACAAUgBhAHkAbQBvAG4AZAAAAP/hCyFodHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLjAvADw/eHBhY2tldCBiZWdpbj0n77u/JyBpZD0nVzVNME1wQ2VoaUh6cmVTek5UY3prYzlkJz8+DQo8eDp4bXBtZXRhIHhtbG5zOng9ImFkb2JlOm5zOm1ldGEvIj48cmRmOlJERiB4bWxuczpyZGY9Imh0dHA6Ly93d3cudzMub3JnLzE5OTkvMDIvMjItcmRmLXN5bnRheC1ucyMiPjxyZGY6RGVzY3JpcHRpb24gcmRmOmFib3V0PSJ1dWlkOmZhZjViZGQ1LWJhM2QtMTFkYS1hZDMxLWQzM2Q3NTE4MmYxYiIgeG1sbnM6ZGM9Imh0dHA6Ly9wdXJsLm9yZy9kYy9lbGVtZW50cy8xLjEvIi8+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczp4bXA9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8iPjx4bXA6Q3JlYXRlRGF0ZT4yMDE3LTA4LTE1VDE0OjM0OjA1LjUxMTwveG1wOkNyZWF0ZURhdGU+PC9yZGY6RGVzY3JpcHRpb24+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iPjxkYzpjcmVhdG9yPjxyZGY6U2VxIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpsaT5EYW5pZWwgUmF5bW9uZDwvcmRmOmxpPjwvcmRmOlNlcT4NCgkJCTwvZGM6Y3JlYXRvcj48L3JkZjpEZXNjcmlwdGlvbj48L3JkZjpSREY+PC94OnhtcG1ldGE+DQogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgIDw/eHBhY2tldCBlbmQ9J3cnPz7/2wBDAAcFBQYFBAcGBQYIBwcIChELCgkJChUPEAwRGBUaGRgVGBcbHichGx0lHRcYIi4iJSgpKywrGiAvMy8qMicqKyr/2wBDAQcICAoJChQLCxQqHBgcKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKir/wAARCAHnAgkDASIAAhEBAxEB/8QAHwAAAQUBAQEBAQEAAAAAAAAAAAECAwQFBgcICQoL/8QAtRAAAgEDAwIEAwUFBAQAAAF9AQIDAAQRBRIhMUEGE1FhByJxFDKBkaEII0KxwRVS0fAkM2JyggkKFhcYGRolJicoKSo0NTY3ODk6Q0RFRkdISUpTVFVWV1hZWmNkZWZnaGlqc3R1dnd4eXqDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uHi4+Tl5ufo6erx8vP09fb3+Pn6/8QAHwEAAwEBAQEBAQEBAQAAAAAAAAECAwQFBgcICQoL/8QAtREAAgECBAQDBAcFBAQAAQJ3AAECAxEEBSExBhJBUQdhcRMiMoEIFEKRobHBCSMzUvAVYnLRChYkNOEl8RcYGRomJygpKjU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6goOEhYaHiImKkpOUlZaXmJmaoqOkpaanqKmqsrO0tba3uLm6wsPExcbHyMnK0tPU1dbX2Nna4uPk5ebn6Onq8vP09fb3+Pn6/9oADAMBAAIRAxEAPwD6RooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACimSSxxLmV1QerHFU5te0m3/12pWqexmX/GnZsiVSEPiaRforEfxl4fQ4OpxH/dDH+QqFvHWgL0vGb/dhf/Cnyy7HM8dhVvVj96OhornP+E90H/n4l/78N/hT18ceH2632z/eicf0o5JdhLMMI/8Al7H70dBRWNH4u0CU4TVLcH/abb/Or0Oradcf6i+tpP8AdmU/1pcrRtHEUZ/DNP5ot0UgYMuVII9RS0jcKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKiuLqC0hM11MkMa9XkYKB+dAm0ldktFcfqfxDsLfKaXC96443n5I/zPJ/AVyeo+Lda1LKyXZt4z/yzths/Xqa1jSkzxcRneEo6RfM/L/Pb7rnp9/rGnaYub+8hg9mb5j+HWudvfiNpsWVsbee7P97Hlr+Z5/SvOMAsWPLHqxOSfxpa1VGK3PBrcQYmelNKK+9/5fgdTd/ELV58i1itrVexwZG/Xj9Kx7jxFrN3nz9UuCD1VG2D/wAdxWbRWijFbI8mpjcVV+Oo38/0WgSZlbMzNIfV2LfzpAir0VR9BS0tUcfmGaKKMUDEpaMUYoAOvWmGND1Rfyp1LQLQfBPPbMDbXE0JHTy5GX+RrUt/FmvWuPL1KSQDtMofP6ZrIpKTSe5tTrVaX8OTXo2jsbT4j30eBfWMM47tC5Qn8DkVvWXj/RbnAuHls39Jk4/MZFeY0VDpRZ6dHOsbS3lzeq/ysz2+2u7e8iElpPHMh/ijYMP0qavC4ZJLaUSW0skEn9+Jyp/Suj07x3rFltW5Md9EOolG1/8Avof1FZOi+h7eH4hpS0rR5fNar/P8z1Giub0vxzpGoFY5pGspj/BccA/RuldGrBlDKQQRkEHrWLTW59BRxFGvHmpSTQtFFFI3CiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiikJAUknAHUntQAtQXd7bWFs1xezJBEvV3bArkfEHxEtbIvbaIq3twODMT+6Q/X+I/Tj3rgL3V7zU7nz9Tma4kHQngL/ur0FdcMJVkuZo8PG5xToXjSXNL8P69DuNX+Imd0WhwZ7faJxgf8BXqfxxXGXt7dalN5uoXEly/YyHhfoOg/Cqyyq54PPoadWns+TSx8disbiMU/30tO3T7haKKnsrC81KTZp9rLckHBMa/KPq3QUzjjFyfLFXZXo6deldjp/wAOr2bD6ndx2y944Rvb8zx/OtU6T4P8OkNevDJMv/Pw/mPn/d/+tWbqR6anq08oxMo89W0I95O39fOx57bwT3kmyzgluG9IkLfyrZtfBmvXQB+xLAp7zyBcfgMmukuPiHp1uvl6ZYTSqOASBEv+P6Vi3XxA1qc/6Ottar/soXP5nj9KV5vZGn1fLaP8Sq5v+6v1f+Zct/htePg3epQx+oijLfqSKvxfDiwj5utQuXHttT+lcfceItZus+fqlyQeoRtg/JcVnSM8p/eySSf77k/zNHLN7sX1rLofBQb9Zf8ADnov/CI+Fbb/AI+LrP8A11vMf1FJ/Y/gVPvS2Z+t2T/7NXnAijH8C/lS7VHRR+VHI/5g/tKivhw0Pz/Q9F/szwGf47H/AMCj/wDFUo0LwRL/AKua1B/2bwj/ANmrzrA9B+VIUU9VU/hR7N92H9p0uuHh9x6OPBHhy4/497uX28u6DfzzUEvw1t2yYNTnT0Dxq3+FefeUnZAPoMVPDc3FuwNvczxEdNkrD+tHLLpIPr2Dn8eGXybX6HUXHw61SLJtru1nHowZCf5isi68La5ZjMumyuOpMJEn8uaW38V67a/6vUpHHpMof+YzWvafEXUosC9tLe4XuYyUY/zFH7xeYf8ACVV/mh+K/VnIvmNykoaNx1VwVP5Glr0RPG3h/VE8rVrVoQeP9IiEifmM0N4P8N6zGZdHufJJGc20oZR9VOf6Ue0t8SsP+ylV1wtWM/LZ/d/wx53RXS6j4C1ezy9p5d9GOyHY+PoeD+BrnJopLeYw3ETwyjrHIpVvyNaKSex5lbDVsO7VYtf132GEZGCMitDS9d1LR2H2C6ZYweYX+aM/h2/DFUKSm1fczhUnTlzQdn5HpGj/ABAsbsrFqqfYZjxvJzEx+vb8fzrrVdXUMhDKwyCDkEV4VWz4b1y90m+jit5j9nkJDQPyme2PT8K5a0Ywg6nZX+4+py3O6s6kaFdX5mlfbfTXoeu0VnafrNtf4TPlTf8APNz1+h71o1yUq1OtHnpu6PsZwlTfLJWCiiitSAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAoormfFPjO10BTbW4W51BhkRZ+WP0Lnt9Op/WrhCU5csUY1q1OhBzqOyNbWNbsdCs/tGozbFPCIBl5D6KO9eWeIvGGoeIGaLJtLHoLeNuXH+2e/06fWsi+vrrU7xrvUJ2nnbjc3RR6KOw9qr17NDCxpavVnx2OzSpibxh7sfxfr/l+YdOnAooq1p2m3urXf2bTbdriT+LHCoPVm6CuttJXZ5UYuT5Yq7IoByzHoBWzpOgalrTA2FvmLPM8nyxj8e/4V2Oh+AbLTIftOtyLeSr85TGIkx7fxfj+VVdW+IShTB4fgG0DAuJVwuP8AZT/HH0ryKtb2k3yHoPLqdBe1x0uVPaK1b/y/rVFq08FaPo8H2rXrpZ9vJ80hIgfp3/HNR33j+wsovs+g2fnBeFYjyoh9B1P5CuHvLy51Cfz7+4kuJezSHOPoOg/Coay9nfWTuZyzT2S5MHBQXfeT+f8Aw5q6j4n1jU8i4vXjjP8Ayyt/3a4/Dk/iayQoXoMZ6n1oorRJLY8mpVqVZc1RtvzFpKKKZmFFFFABRRRQAUUUUAFFFFABS0lFAC0IzRSCSJmjkHR0Yqw/EUlFAHQad421rT8LJMt7GP4bj73/AH0OfzzXTQ+K/D3iCFbbWrdIHbgLcqCmfZ+36V51Sdah04s9OhmmJpLlb5o9pa/8E7rU/h7HIhn0K74IyIZm3Kfo3UfjmuNvrC70y48jUbd7eTtuHyt9D0NT6ZrWo6M+dOuWjTPMLfNG3/Ae34Yrt9K8W6d4iC6ZrNmqTTHaqMN8ch9j2P1/OpvOO+qOlQwGNdofupvpvF/5fh6M86oDmJldeCrBh+Fd7qPw7hExl02aQRdfs7NyP91j/I/nWZHpFrayFWt8SL1Egyw/OvMxubUcJ7s4t38tPv8A+HO3CcL46vK/NGNut7v1SX62LKMHjVl6EAg1t6b4gkt8RX2ZYu0nVl+vr/OsYDAwOBRXwFDEVMPPnpO39dT9ZnSjVhy1NTvYpUmjWSJg6MMhlOQafXE2GoT6dLugO5CfnjJ4b/A+9dZYahBqEO+BuR95D1U+9fZ4HMqeLXK9Jdv8jw8RhZUXfdFqiiivUOMKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiuB8a+NTC0mk6LLiUfLcXKH/V+qL/tep7fXprSpSqy5YnNicTTw1Pnqf8ADk/jDxwLBpNN0V1a7HyzT9Vg9h6t+g7+leaklmZnZmZiWZmOSxPcnuaaAFAA4FLXu0aMaUbRPhsXi6mKnzT+S7BQSFBJOAOpp0UUk88cNvG0s0h2pGgyzH0FejaB4OstAtf7X8TSQmaIbwrn91b/APxTe/5UVa0aS137CwuEqYmVo6Jbt7Iw/DfgS71cJdan5lnZMMquMSyj2/uj3PP866HVPFWj+E7Y6ZoFtFNcR8GOP/Vxn1du59uT9K5/xN48utW32ukmS0suhk6STD/2Ufr9K5EAKoCjAHQCsFRnWfNW27f5ndLF0cInTwmr6yf6f19+56J4K8Y3l/rMtjrU6yNc/PbsFChWA5Qe2OR9DWJ4s0T+xdaYQpi0ucyQ46Kf4l/AnP0NcykkkUqSwuY5Y2DxuOqsOQa9VYw+O/BKyxhY7teQP+eUy9R9D/I1hiaapSU47MIXzDDSoyd6kdY933X9eXY81pKUhlZldSjqSrKeqkcEGkrM+aCiiigAooooACQoyxAHuaO2e1dF4IS3k8Qut3Ak6/ZnZVdA2CCDkA96dreixnxVYmyAax1aVJYio4GSC4/r+NTzK9jtjg5yw6rxd7u1v1++33mBLbTwKjXEEsQkBKGRCu76Zq3b6Dq13Ak1rp08sUgyjqBhh6jmur8cSpqeix3kQ/48r57d+fqpP5gU1YHufAmibNaXSQoOXaQr5nXjgio53ZM7P7Ogq86d20opq1lfZddO/wBxyLaXfrqQ09rVxeEZEGRuIxn1x0qWbQdXt42kn0y5SNAWZyowoHc81q+GFY+P4Ukuvtpj8wC43bvMATgg/jTtfW/to7uZPEqXcEkzK1pFOSyqxPBGeg6Gq5nexjHC03QlWd9G1uuiW/ffoc79lufJSYW05icZWRYmKt9CBUW4btpyG9CMGur8EapqL65a6cLtvsSRuTCVBAAHABxkcmqGt+Jr3VluLS4W3aDzyY3EeHUKxwM59qLu9jKVCj9XVbnd3dWt1SV9b7a9jDoooqzhCiiigAooooAWu3+H2i5Z9ZuVwBmO2z+TP/QfjXJ6VpsusapDYwEgyH53H8CD7zf57kV6ZrE0WmaXFptkPLBQIAv8EY4/Xp+dcOOxUcNRc5f1/wAOfT8O5c8ViFVa0jt6/wDA39bFWbxDcDUXktyGtwdqxsOGA757E1oBtO8QQ7WGydR06On09RXL4pVLIwZGKspyrKcEV8FTzKqm1W9+L3T/AE7H6rLCQsnD3Wuv+Zb1DTLjTmzKN8RPyyqOPx9DVOug07XkmUW2phfm+USkfK3sw7fyqDVNBaAGewBeLqYhyV+nqPaqrYKFSHt8I7x6rqv8/wCtxU8RKMvZ1tH36Mxqkgnltp1mt32SL0PqPQ+oqMHPI6UV5UZOLumdjSaszsNL1WLUY8fcnUfPH/UeorQrgY5HilWSJikiHKsO1dZpOrJqEW18JcKPnT1HqPavsctzNV/3VX4vz/4J4eLwns/fht+RpUUUV7p5wUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRXM+MvFI0CxENoVbULgHygRkRr3c/TsO5/GrhCU5KMTGtWhQpupN6IzvHHjA2CvpOlSYu2H7+Zf+WCnsP8AaP6Dn0rzQAAYHSlJLMzOzOzEszMcliepJ9aSvfo0Y0o8qPg8Xi54qpzz+S7BU9lZ3Oo3sdpYxGaeQ/Kg7epJ7AetFlZXOo30VnYxGW4lOEXsPUk9gO5r0y3t9L+Hmgme5Pn3s3BYD553/ur6KP06mprVvZ6LWT2ReEwjrtzm7QW7/ReYljpmkeANIN/qMgmvXG1pAMs5/uRjsP8A9Z9uC1/xFe+IrvzLs+XAhzDbKcqnuf7ze/5VX1bVrzW9Qa81B9z9ERfuxL/dX/HqapUqVHlfPPWReKxiqR9jRXLTXTv5sKKKK6TzQrpPA+vf2NrwhnfFnekRyZPCP0Vv6H8PSubpGAZSrDIIwaicFOLi+ptRrSo1FUhuju/H2ifY9QXVLdMQ3R2zAfwydj+I/Ue9clXovhi/h8XeEptM1I77iFRDMT1YfwSD34/MGuAvLSbT76azuhiaBtre/oR7Ec148U4twlujfNaEVJYml8E9fR9V/XmQUUUVZ4wUUUUAb/ghwnjC2ycBopB/47n+la3hbVLFYZLDWZY4/wCzLlprSR2A4ywKg98ZPHofauKIyMGjA446dKiUbnfhsdPDqKir2bfre2nyaub1hrFs/hjWbHUJGWW6lM8A2E5c8/hyB+dWYdT0C78K6fpusPeLJaEsfs8fck98ehrmaKfKiY42pFJNJ6cuq3V79+50Gmajouj+KILyya7ayjhZW81MvvPHA9MVBqEXhl4rifT7u+N0xZ0jliwrMTnBOOlY1JRy63J+tNwdNwja7e21+2vkdD4NvbXTtUu7m8njhK2pWLe2NzZzgfl+tc8pJXLcMeT9TS0U7a3MpVnKlGn0jf8AH/hhKKKKZiFFFFABQTgZPQdaK2fC2if25rSRyrm1gxJcehHZfxP6A0m0ldmlGlOtUVOG7Ov8FaSukaLJql6uya5Tfz1SIcgfU9fxFUrq5e8upLiTgueB/dHYVseI74My2MR+VcNJj9B/X8qwq+AzrG+3reyjtH8/+Bt95+1ZPgYYPDxiv68/nuFFFFeAe0Famla09iRFcbpLft3aP6eo9qy6K2oV6lCanTdmZ1KcakeWS0Oh1TR0uo/tmm7SzDcyKeJB6j3/AJ1z31yCDgg9qv6XqsmmybTl7dj8yf3fcf4VqarpceoQi+04q0jLuIXpKP8AGvUq0aeNg6+HVpr4o/qv6/HfkhUlh5KnUd49H+jOcp0ckkMqywuUkQ5Vh2pv+eaK8ZNp3R3b6M7LS9TTUbfOAsycSJ6H1HtV6uEtrmW0uUngOHXsejD0NdnZXkd9arPD0PBB6qe4Nfa5ZmH1mPJP41+Pn/meBi8N7J80fhf4FiiiivZOEKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKQkAEngDqaAKGt6xb6FpMt9dchOEQHmRz0Ue5rxW+vrjU7+a9vX3zzNlsdFHZR7DpWv4v8RHxBrB8hj9htiUgHZz0Mn49B7fWsCvcwtD2UbvdnxGaY76zU5IP3V+L7/5f8EKfFFLcTxw28bSzSsEjjXqxPaoyQqkscADJNeleDtAh8P6XJr+t7YZjEWUSf8u8eP8A0I9/wFbVqqpRv16HHhMLLE1OVaJat9kWdNsLDwB4dkvtRZZL2UASMvV27Rp7f/XJrzrVtWu9b1J72/bLtwiA/LEv90f1Pc1Y8Ra/P4j1Q3Mu5II8rbQH/lmvqf8AaPf8qyqijScffn8TN8Zio1EqNHSnHbz82FFFFdJ5oUUhIUZJwKkmgmtpmhuYnhlX70ci4Yd+lAxlFFFAjS8P6y+ga3DfLkxD5J0H8UZ6/iOo+ldx490lLuxi1yxw/loBKV6PEeQ34Z/I15rXovw71lLuwl0C+w/lITCG53xHgr+GfyI9K4MXT0VWPTf0PWwMo14SwdTaW3lL+v61OHpK0dd0h9D1iWybJj+/Ax/ijPT8R0/Cs+uVO6ueBUpypzcJqzQlFFLTIEopaaGDNtU7j6KMn9KBC0Vch0fVLkZg0y7cevkkD9auR+E9ek6aZIv++6j+tLmS6m8cPXn8MG/kzHorcPgzxB/0D/8AyMn+NQyeFtdi+9pc7f7hVv5GlzR7lvCYlb05fc/8jJoqxPp99a5+1WN1CB1Lwtj86rB1JwGGfTNUc8k4u0lYWilpKBBRRRQAuCeFBZicBR1J7CvU9GsE8K+GMzBTdP8APLj+KQ9F+g6fhXLeA9E+36mdSuFzb2bYjB6NL6/8BH6kelb2u332y+8pDmKAkD/abuf6fnXjZtjfqtF8u729f+AfdcL5Z7SX1ia9PTr9+xms7SOzyNudiWY+pNJRRX51ufpoUUUUhhRRRQAVf0nVG06ba+WtnPzr/dP94f1qhRWtGrOjNVIOzRE4RqRcZbHQa1pazx/b7EBiRukVed4/vD3/AJ1z4ORkdK19D1X7JILW4b9w5+Qn/lmf8DSa7pf2OX7TAuIJD8wH8Df4H+deniqUMTS+t0Vb+Zdn39P+H7nJRnKlP2NT5P8AQyauaXqLadd7zkwvgSr7f3vqKp0V5dKpOlNTg7NHXOKnFxlszv1ZXUMhDKwyCO4pa57w7qOD9hmPHWEn9V/rXQ1+gYTFRxVJVI/PyZ81WpOjNxYUUUV1mIUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXFfETxAbLT10m1fFxdqTKQeUi6H8W6fTNdde3kOn2M13dNshhQu59hXhuo6hPq2p3F/dcS3DbtufuL0VfwH9a7sHR558z2R4mcYv2NL2Ufil+X9aFb6cUUVa0zTZ9X1SCwtOJJmxu7Io+8x+g/XFey2krs+OjFyajFas6PwH4b/ALW1D+0bxM2Vo/yKRxLKP5hf5/Sjx34m/ta/Om2b/wChWr/vCOk0g/ov8/oK6DxZqkPhTw3Boujnyp5Y/LjweY4/4n+p7H1Oe1eZABVAXgAcCuOinWn7aW3T/M9fFyWEo/VKb1esn+n9f5hRRRXaeMFFHQZJwK7jwh4cS1eDUtWMMd7MGOm2lwdu5gM7yOufQdhz1rOpUVON2dOHw88RU5I/N9v66dyn4GsrK4nupxsn1i2UtaWlx8qZA+97nPH+z+tUNa0vUlsv7Y8Q3SxX91JhLSQfvGUdwBwoHp6d8mqOpSaraeIZp9QZ7bVUl81nQAYPYr2K449x1rp3v/DviW0j1fxDut76wUJc28R/4+l/hAHcE9h05B45rCXNGftN0/n8l5M7afs6tJ0HpKN99E/N/wB5Lpc4kHPSitDWtXk1vUftUkMduioI4YYwAI0HQEjqf8is+uqN2tTy5qKk1F3QVPZXk+nX8F7aHE1u4dM9G9VPsRkfjUFFDSasxJtO63PVPEFpD4t8Jwanpg3zxp5sQ7kfxxn34/MV5uCGAI5B6V1Hw31trbVJNHk3NDcgyx4GfLcdc+gI/Ue9dE3w/wBPl1qe7nlc20j71tU+UAnrkjnGewxXizXsJuD26HtYjBzzOMMRQXvPSXquv9eR51a2txfT+TZQSXEndYlzj69h+NdRp3w81G4w+o3Edmp/gQeY/wDh/OvQrSytrC3EFlBHBEOixqAKnrCVZvY7sNw/RhrXfM+2y/zObs/Aeh2uDLA924/iuHLfoMD9K3reztrVdtrbxQr6RoF/lU1FZOTe57tHC0KC/dwS9EFFFFI6AooooAKp3ekaffqVvLKCbPd4wT+dXKKNiZQjNWkro5O9+Hmkzgmyeayc9Njb1/75b/GuY1LwNrFgC8CJfRDvDw4/4Cev4GvU6K0VSSPJxGS4OttHlflp+Gx4UyskjRyKySLwyOpDD8DUlrbTXt3Fa2q7ppnCIPf1PsBz+FexanoenaxHt1C2SQgfLJjDr9GHIrK0Dwdb6Fqk94s7XGV2QiRRmMfxc9yeOeOK19srHgy4frRrRineDer2aXoTzLD4b8Ow2NmcPt2Ie5P8Tn+f41zgGBirWpXpv7+SU5CqdiKeMAf1PWqtfnOZYt4qu5L4Vov8/mfq+Cw0cNRUErf1t8gooorzTtCiiigAoopQrGMyBSUU7S2OAfSna4hKKKKQwIyCD0ro9FvlvrVrC8+dgmBu/jT/ABFc5To5HhmSWFtsiHKmuzB4p4arz7p6Nd0YV6Kqw5evQnv7J9PvGgfJXrGx/iX/ABqtXUXMcevaMs0IAmXlQT91u6n/AD6Vy/1GD3B7VeOwyoVFKGsJar07fInD1XUjaXxLRiqzIwZG2spyrDsfWu00y+XULFJhgP8AddR/C3euKrR0S++xagFc4imwrex7H+lb5Xi/q9e0vhlo/wBGZ4yh7Wndbo6+iiivuT54KKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiorq5is7SW5uG2xQoXdvQAZNG4m0ldnBfEvWc+RosDdcT3GD2z8q/iefwFef1Y1C+k1TUri/nz5lxIXwf4R/Cv4DAqvX0VGmqUFE/PcZiHia8qnTp6dA6cngV6T4G0yHQ/D8+v6liNp494LDmOEcj8T1/KuK8OaOdd1+3siMw58y4PpGOo/E4H411fxJ1kKsGh2pCrgS3AXsB9xPzGfwFY4hupJUV139DswEVQpyxk18OkfNv+vz7HGarqc2tatPqFyNrzH5UP/LNB91fwH6k1ToorrSSVkeVKTlJyluwoop8cMsokMMUkgiTfJsUtsXOMnHamLc1NL8L6trVhJd6fbpJCjbMO+0yHvtzwcdKrarb6vBLE+tQ3sbwqEilmB+QA8BXHTHrmtPwlq0UM0mk38rrp+pYUSJIVMMv8LgjpngfXHvW/qGv6h4P06HTbm8XV9TkcySG4BKRw5wB2JJx39/auWVSpGpy2T7f8OepTw+Hnh/aczXfZq/TTR69Pn2MmLX9N8R6ObPxTJ5V3bRlrbUolyzY/hIHVj6dG9jXKDnBI5/lV/WNTGrah9pSzgsl2BfKgXAJ7seBkn+VUa1pw5Vppfp2OPEVXVkru9uvV+v9X7hRRR0GT0rU5grd8OeE77xHIJEJtrEHDXLDO72Qdz79B71peEPBL6vs1DVkaOw+9HCeGn9z6L+p+nX1GONIo1jiRURRhVUYAHoBXn4jFqHuw3Pfy/KnWSq1tI9F3/4BR0fQtP0K18jToAmeXkPLyH1Y960KKK8hycndn1sIRhFRirJBRRRSKCiiigAooooAKKKKACiiigAooooAKKKKAM/UdHt78F/9VPjiRR1+vrXK3dpPYz+Vcpg/wsPut9K7qobq1hvIGhuEDof0PqPevHx2V08SnOGk/wAH6/5ndh8ZKl7stUcLRVzUtMl02bD/ADxMfkkx19j7/wA6p18ZUpzpTcJqzR7sZxnHmi9AooorMs0dP0lrlRPdv9ntQfvMcF/p6D3rTWSRtS/ssWGyxCFGG3qOzZ/ya56SaWWGOKWRnjj+4hPArQsZ9WvY/strM3ljhnYfcHpu6/1r18LiKUWqdOLu7XtZuXdeS9Om5w1qc3eUmv0Xn6/0jPljEU8kYbeEcqG9cGmVo3kenWdq1rBm4ucjdMDgIfT/AOtWdXnVqfs58t18tbeV/I6qcueNwooorE0NLQ7/AOx3wjc4hnIVv9lux/pUviGx+z3YuYxiOY/Njs//ANf+lZBGRiuospF1rQ3gnI81RsY+hHRv617ODf1qhLCS3WsfXqv68zgr/uairLbZnL0EZGDSsrRuySDa6kqw9CKSvHt0Z3nX6Je/bdPXecyxfI/v6H8RWjXIaHefZNTVWOI5vkb69j/T8a6+vusrxP1jDq+60Z85jKXsqrts9Qooor1DkCiiigAooooAKKKKACiiigAooooAKKKKACuL+JWq/ZtFi06M/Pev8/P/ACzXk/mcD867SvGvGmpf2n4sumVt0Vt/o8f/AAH73/jxP5V2YOnz1bvpqeRm9f2WGcVvLT/P8DCooqzp9g+q6nbafFw1zIEJ9F6sfwANe22krs+KjFyait2eg+BLKLRfC1zrl98pnUy7j2hUHaPx5P4ivPL29l1LULi+uP8AW3DmRh/d9B+AwK9A+I2oJY6LaaLa/KJ8FkHaJMYH0Jx+RrziuTDJyvVfX8j1cykqfJhYbQWvq/6/EKKKK7DyA6da1dM1fVfC2pSCFTBKcedbXEeN47Z7jrwRWWjmORXjbbIhDKwPKkHg/nXVQeKbHWbdLLxlaCYLxHqEC7ZI/cgcj6jj1FZVL2+G66nVh+Xmup8suj6fN9Py7krafovjSGZ9Ij/szWAhd7Qn93N6kdvxGCO4rF1bXX1jS9Ogu7f/AE2zDRyXRPzOvQKfy5z3HHU1uWo0DwlJJqlnq41a7MbJZwIB8u7uxH8zj6Zrjck5LnLEksfUnk1nSim79Ftf8fkdGJm4xSdlKXxWtZ6qz00vvt+oUUUV0nmhXYeCfCH9ryJqepx/6AhzDEw/17Duf9kfqfbrmeE/DbeI9UKShlsbcg3DDjd6ID6nv6D617HHGkUaxxKERAFVVGAAOgFefi8RyLkjue/lWXqs/bVV7q2Xf/gDgMDA4FFFFeOfXhRRRQAUUUUAFFUda1ix8P6Ld6tq0wgs7SMyzSYJwo9hyT7Vy3hT4v8AgzxprY0nw/qTzXrRtIsclu8e4L1wWAGe+KAO3ooooAKKa7rFG0kjBUUFmYnAAHeuE8FfGTwr498RXOjaG90LmBGkUzxBFmQEAlDk+o4ODj8aAO9orgPDvxk8NeKfHEnhbSI75r2Pzd8kkISMeXwed2f0rv6ACiiigAooooAKKKKAI54I7mBopkDowwQa47UtOk0652Nlom5jf19j712tQXlpHe2rwTDhuhHVT2IrzMwwEcXTuviW3+T/AK0OvC4l0Za7M4aipbm3ktLl4Jh86Hr2YdiKir4WUXFuMlqj6JNNXQGtj7U114dZIJFt3tceainaJF9fx/nWPT4ZBDOkhRZApyUcZDD0rfD1nSbXSSs/68vx2M6lPnSfVakYK9Fx7AVJ5UojMhikEY6uUIA/Gtyx1N7xZ4baGC3udu6DavDY6j60mo381pYm0uJVnu5lzJ8o2xKe2P8APrXWsHR9k6vO2rb20v23vf5bamHt58/Jy6+v47GDRQBgUV5Z2BV/Rbz7HqabjiOb9239D+f86oUEZGK1o1ZUaiqR3RE4KcXF9TY8R2fk3q3KDCzDDf7w/wAR/Kseuo/5DXhv1mC/k6/4/wBa5cHIBrvzKlFVlVh8M1dfr/Xmc2Em3DklvHQD7HB7H0rttNu/tunxTn7zDDD0I4NcTW94YucSTWrHr+8Ufof6Vtk1f2WJ5HtLT59P68yMdT56XN2Oiooor7U8AKKKKACiiigAooooAKKKKACiiigAooooApaxqC6Xot3fP0giZx7nHA/PFeEjdjLnLnlj6k8n9a9Q+Jl75Ph+CzU4a7nGR6qvzH9cV5hXs4GFqbl3Pj87rc9dU/5V+L/pBXa/DPTRPq11qMgyLZBFHkfxNyT+QH51xXTrXp2iH/hGvhg98ylZnia4Oepd/u/+y1ripNU+VbvQ5crpxliPaS2gm38v6v8AI4nxZqf9reKbydTmOJvIi/3U4J/E5NY9IowoBOT3PqfWlrojFRioroefUqSqzc5bvUKKK0NB02LWNct7C4uRbRy5zJkAkgcKueMk/wBacmoq7FCDnJRjuy9o2paCNNGm+INLLJvLi+hJMik9zjkAe2Rx0q8fAjX7wz+HtUhv7CWQK8m4CSFc8n0OB9D7VM3hPw4mrjS3167jvi+wQvDgk9sfLgj36VU1HTtK8Oi5m0XxJcNqkDeX5EZCljnBDYHOBn8q4+dOX7ttN907f8A9b2Mow/2iMWo9VJJ6dPP0epmeIxp0fiC5h0aBYbWA+V8pJ3uPvNz78fhWXQAAMCiuuKskjyZy55uVrXCpba2mvbyG0tF3zzuEjX3Pc+w6n2FRV6D8NdD+WXW7heWzDbZHRR95vxPH0B9aitUVKDkdGDwzxNZU18/Q7HQ9Hg0LSIbG25CDLvjmRz1Y/U1oUUV8625O7P0GEIwioxVkgooopFBRRRQAUUUUAeE/tS+Kf7P8G2Hh23kxLqk/mzKOvkx4OPxcr/3ya8PtrXUfhB8RvDep3TMWNvbagwClcxSr+8j+oBdT9K0/jB4nk8W/G26lsrU6lb6bKtrBbAM4mWI5cYXnBbf07VT+KXjbxB4/axvte8NLpf2BWiWaKCVAysQQpLccEcfU0Afad3qtjYaNLq15cpFYQwm4knY/KsYGd35V4rL+0v8AaDeXmg+CdT1HRrFsXF/5m0RgngkBWC592qf4f3L/ABP/AGZbrQWvUhvba3fT3mlbAXy8NGWP93btBPsa82+HXivxZovw98ReDfD/AIRk1/z7iaEX9nmWKJ3QI+4qCHGBkHIHPcUAeyeFfjz4f8a+KtN0HSdMv830b+bNcIFSFghbYcE7s7SM8CuV+B+v+CNU+ImqQ+FvBsmjXxtpJHuHuzKFQOoKIp+6CSDx6Yrp/gH8O9V8A+D7xtfxFfanKsrWoYN5CquACRxuOSTj2ryf9mP/AJK5q/8A2D5f/RqUAR/BD/k5PUfrff8AoZr1rx18ebDwz4nPhrw9o1z4i1lG2SQ27bVRsZ2AgMWYDqAOPXrXkvwQ/wCTk9S+t9/6GawfhfceLh8WtVfwimmSa7ItxvGqnGR5gL7eQd/9N3vQB9C/DT416X8QdSm0e4sJtH1qFWY2kzbg4XhtrYHI7qQD9cHHplfOWhfDL4gxfG7TvGviRNHtHmvA1wtrcBQ37sqwVTySVBJGeeTX0bQAUUUUAFFFFABRRRQBla7p32y186Ifv4Rkf7Q7iuUByMjpXoFcfrdl9j1AlBiKbLr7HuP6/jXy2d4O1sRD0f6P9PuPYy+vf90/kZ9FFFfMnrF7TbxLPzWjtzLdsNsJAzj14qVNHuZM3GozLbK7ZZpDl2J9qz4ZpLeZZYW2yJ901raRbTXcz6jdeZcGHPlBjyz+2eBj/PSvTwvLX5aMk3bpsrdW7at/d0VzkrXp3mnb8/RdCDWLK1sDBFbszSkFpNxzkdifSs2teexiSZ7jWrxVlkOfJh5b2H4VkCscZDlqt8qinsuqXmul/wDMuhK8LXv5hRRRXEdBt+GbnZcy2rdJBvX6jg/pj8qz9UtvsmqTRgYUnev0P/181FZ3H2W+hn/uOM/Q8H9K2fE8GRb3KjuY2P15H9a9iP7/AC9rrTf4P+vwOF/u8Un0kvxRgVY0+4+y6lBMTgB8N9Dwar0hGVIryoTcJKcd1qdkoqScX1PQaKradP8AadNgl7sgz9ehqzX6TTmqkFNbPU+VlFxk4voFFFFWSFFFFABRRRQAUUUUAFFFFABRRRQB5Z8SrzzvEsFspyttb5I9GY5/kBXIVq+J7n7Z4r1ObOR55jB9lAUfyrKr6OjHlpxXkfneMqe0xE5+b/yJILdry6gtU+9cSrEMf7RxXonxKuVtNBsdNhG1ZpRkDskY6fntrlvA9p9s8Y2eRlYA859sDA/UirvxIu/P8Ux24Py2tuAf95jn+QFYVPexEY9tTtofusBVqdZNR/z/AFOTooorsPICtO38O399oLarZxi4ijkZJIYzmRcfxAd/p171mdOtdBpOk+LNMvBdaVp93BKRg7woVx6MCeR+tZ1Jcq0aXqdFCCnK0otry3Xn/wAA1fDHiy3urm1h18xtdQhkstTkGSpYY2v/AI9++DXK6rp1zpOq3FlfOslxG253U5D7ud3tnOcV29/4Rl8R2ct7Lp40XVQP3qs6tBccck4PH16+ua89LmQlmYuT1YtnPbr3rGhyOTlD5r/L8TsxqqwhGFXXs9rrzT1vtvr6hRRRXUeWTWlnLqF9BZ23+tuJBGp9M9T+Ayfwr3Wys4rCxgtLZdsUCBEHsBXm3w10z7TrdxqEgytnHsT/AH36n/vkfrXqFePjql5qC6H12R4fkpOs95fkv+CFFFFeefQBRRRQAUUUUAFV7+O5m064jsZlguXiZYZWXcI3I4Yjvg84qxRQB5D8LPgWPh74suNevtZXVbiS3aKL/RymxmYFnyWOTgY/E13/AI48LQ+NPBOp+H53WIXsO1JWXcI3BDI2O+GANb9Y+seL/Dvh6ZYdd1zT9PlcZWO5uURiPXBOcUAeGaj4IPwH+FviG5uNQl1+LXIksJbNYjDFGzBh5hYMSMKWHbJIFcd4P+E0eoeErTWdH+KFhpctzCJLm3ExiMLf3GIcHI6HIr6yubax1nTGguoYL6yuo/mSRRJHKh56HgiuFl+A3w2mufObw1GpzkolxKqn8A2KAPKvgJ4g8XSfFC+8PSa7Lr+h2sUonuDK00IwcI6O3IyeAO4z6V3vwu+CM3w58YXetya4l+txbvB5K23l43OrZzuP939a9K0Pw7o/hnTxY6Bptvp9sDkxwRhdx9SepPua0qAPIfAvwPm8G/Ey48VvrqXazGc/ZhbFCPMOfvbj0+lU/Hn7PMGv+KJPEnhLWn0HUZpPNlVUOwyHq6spBQnqevOTxXtVFAHjPg74HazpfjCw8R+LfGt5rFzp7l4Icsy5Kkcs7E456AD617NRRQAUUUUAFFFFABRRRQAVn61Z/bNNcIMyR/On1Hb8RWhRWValGtTdOWzLhNwkpLoefg5GRRVnUbb7HqU0I4UNuX6Hmq1fnE4SpycJbrQ+pjJSipLqFWl1K7SzS2imMcSdNgwT+NVaKIVJwvyO1+wSjGXxK4Y5J6k9SepoooqCgooooACMgg100udQ8J7jy6x7v+BL/wDqrma6Tw1IJbCe3bna549mH/669fKmpVZUXtOLX9ficWM0gqi+y0zmwcjNFK8ZikeM9UYr+RxSV5NmtGdp03hmbfYSRHrHIfyPP+NbVcx4Zl2380fZ48/iD/8AXrp6+6ympz4OPlp93/APncbHlrvzCiiivUOMKKKKACiiigAooooAKKKKACmyOI4mduigk06s7xDP9m8N6jMDgpbSEfXaacVdpETlyQcux4eZTO7zN1ldnP4kn+tJSINsaj0AFLX05+aa9Ttvhfbb9X1C6I/1UKRA/wC8ST/6CK57xPcfavFmpy5yPtBQH2UBf6V2nwxh8rRb+5bo9xjPsqj/ABrziSXz5pZj/wAtJGf82Jrjp+9iJy7WR6+I9zAUYd23/X3jaKKK7DyCzp9lLqOp21lblRLPIFVmHCnrk+3Fal3rHiYXt3bjVLyc2jssz233FwcFsgcDg1D4W1Gz0nxHBf6jv8mFHx5abjuIwOPTBNdNaReGW03WLbTPESxTaqBue74MfJJHO3OcmuarPllrG69PPX8D0sLS56fuzs7u/vW2Wml+rOPkutYubVrma71Ca23bGlMrFN390nOM81SrrfENmuheCLHSoruG6a4vWmeSH7rAAkd/938q5KtKclJXWxzYinKnNRk7uyv6sKKKRlZ12JyzEKuPU8D+danMeufD6xFn4RgkI+e7Zp2/E4H6AV09QWVstnYQWyfdhjWMfgMVPXzVSXPNy7n6Ph6XsaMafZIKKKKg3CiiigArz3WPjr8PdD1STT7vXlkniYrJ9mgklVCOCNygj8q7XWbSe/0G/s7STyp7i2kiikzjYzKQD+BNfF+jGT4XaleWPxB+HsOqxTMF3XiFWQDPMUmCpB9vQc0AfY3hvxVoni7SzqHhzUIr+1D+Wzx5G1sA7SCAQcEcH1rk9Z+O3w+0PVn0+71wSzxttkNtA8qIc4ILKCCfpmvOP+Ez8MWn7N/ie4+GkFzpjGdUubWVyz2rTsqEhsn5SoIU56jtVL4G/CDwp4x+Gt3qfiC1a6u7u4kgjkErKbZVAwVAON2TnnPagD3k+N/Dn/CISeKI9Vhm0aJdz3UOXCjIGMAZzkgYxmvjfTrvwx4r+Lep6h8QNYuYtIuZ55vtMSsXk+b92v3SQMY7cAAcV237PVpFq+u+KvA+r77vRby0LzRByoLxyqoYEHIJB7eg9KwfhZ4L0HxN8bNQ8P6xZNPpsX2ry4RMyldj4X5gQTgUAdP8ePGraHNonhXwb4k1GGPS7P7NeRRzOhI2xmMswwHJXuK9h8OfFzwYPANtqNxrw8mxjgtLqWSKQkTGPOD8uSTtbn2NeI/tNeFtI8PeItGudKtmimv4HNw7Ss+/yxGidScYUY969J1H4TaBbfAPV08OWDQXepaXBey5md/MkhXzRgMTgnLDj1oA9Et/iJ4YuvA8ni+PUsaJGSHuWicYIfZjbjd97A6d6fo/xB8Ma74XvfEOl6ok2l2G/wC0zlGXy9i7myCM9CD05r4+07xbJN8FZvBMEu67vNcikji9YinI+nmKn51PpPiS48HfD7x74L1FxDfXE8MCRZzh0kKzAH/dUCgD6u0/4r+C9T0C81u31uNdNspFimuZY3jVXYZCjcASfYZrDj/aF+G0l2IBrrrlseY1pKE/Pb0964zw7pPhHwx+y/ZD4geZ9g1OVb2SGEkSzyM26NEwQc7EXuOAeQK8v8dTaFrPgNdT8J/DOfQ9OjuFVNakuG+fqNm08Nn1ycEUAfWeseMtA0HwwniHUdRjXSXCFLqIGRWD/dI2g5BrLPxV8GjTtHvRrCNFrc3kWAEb7pm3+WTtxkANwScCvCJJpJf2KkErs4jv9i5P3V+0Zx+tN+CfwWtfGmiW3ifXdXulgt5ylpa2rbWQo2cljnA3HOAPfNAH0H4w+InhfwJHE3ibVEtZJhmKBVMkjjOMhVBOPc8VH4P+JXhXx2ZU8N6olxPCN0lu6NHIq+u1gCR7ivlybX01P9ofVtV8RaDeeJo7a8nWPToE3nEZKRgrg5VQASOmevetHTxqY+PmleJPCvgrWNB0+W8hWa2azdURWwkvRcBSCTjoKAPryiiigAooooAKKKKAOc8TwYlt7gfxAxt/Mf1rCrrfEMXmaPI3eNg4/P8AwNclXw+cUvZ4ttdUn+n6H0GBnzUUu2gUUUV5B3BRRRQAUUUUAFbPhmTbfzRk8PGCPqD/APXrGq/ob7Nag/2gy/p/9au3AT5MVTl5r8dDnxEeajJeQzVovK1i5XoC28fiM1TrV8Rps1YN/fiB/IkVlVGMhyYmcfNlUJc1KL8i9oknl61b+jZU/iK7KuFs38vULZ/7sq/zruq+kyGV6M49n+a/4B5WYx9+L8gooor6E8wKKKKACiiigAooooAKKKKACsHxs5j8FamR1MO38yB/Wt6ub8fPt8F3g/vFF/8AHxWtHWrH1Ry4x2w1R+T/ACPIjSVgeI/EI08NZWLA3hGHcciAf/FfypfDniAaiFsr1gLxRhG/57j/AOK9u9fRnwPsZ8nOe1eCv9H+Hd3N0ybiT8sj+leYRDEKf7or07Qz5Xwhlfp/otw2fxavMEljEajzF6D+KuTD6zqPzPQzCyo0F/d/OxJRTPNj/wCei/8AfVHmx/8APRf++q6zyLofQeRg8j0NM82P/nov/fVHmx/89F/76oC6HKqrnaoGfSlpnmx/89F/76o82P8A56L/AN9UahdD6u6JB9p8RabD2a6jz9Ac/wBKz/Nj/wCei/8AfVbfg7ZN4z0xQ6kiRmwD6KaippBvyNqCUq0I92vzPaqKKK+aP0kKKKKACiiigClrNvd3ehX9vpsqw3k1tIlvI5ICSFSFJI5GDg8c14Bd2/7QFto0ugX2m2Gu200RhNzN5Mp2kYzksuT7sCa+jKKAPEfhn8C5tH+HPiDR/F0yLc+IEWOSOBg4tlTJRs9CwY7vTge9cJp/gL42fD2HUNA8Jj7Rp18x/f20sRXnjeu8ho2IAz+HoDX1TRQB5N8DfhHcfDqxvNQ1ySOTWb8BGSJtywRg5257knknpwMep5b4WfC3xb4a+NV94g1nTkg02b7VslFwjH52yvAOea+gqKAPHPj/APCzV/iBY6XfeGxHLe6d5iNbSSBPNR8HKk8ZBXocZz7Vd+Cdr8QrTTL/AE34kW0gtYYoYrAzPEx2gMrL8hJIxt5avVqKAPlnwz+z/wCJtM+L1pdXenx/8I9Z6mZ1n+0Id0SMWT5c55woxjvU/wATfgP4p1/4sX+paDYxvpWoTJM0xnRdhYDzDtJz13Hp3r6fooA8j+OPwy1Lxf4C0uy8KorzaO48u0Zwvmx7NuATgbhgYzjvXnk3w/8AjD4m+FcXhzU7azsrDSxGLWxJjWe72nA3MCQAoJOTjOO55r6fooA8B/4Vj4s/4Zk/4RD+zk/tn7b5vkfaExs83dndnHT3ru/gj4V1fwd8NYtJ8Q2wtrxbmWQosiv8rEYOVJFeh0UAfPHj34P+MND+JL+OPhdIsk00rXElt5io8cjffGGwro2ScZ7kehrU0E/HbxF4k0uTX47TRNKtbqOW6RWRDOikFl+UsxyMjHA55r3OigAooooAKKKKACiiigCvqEfm6bcJ/ejb+VcMvKj6V38g3RMPVSK8/VlC43DjjrXymfxSnTl5P9P8z2ctfuyXoOopN6/3h+dG9f7w/Ovmro9WzFopN6/3h+dG9f7w/Oi6CzFopN6/3h+dG9f7w/Oi6CzFqzprbdWtT/01A/Oqu9f7w/OprN1GoW3zD/XL3961oySqxfmvzImrwa8jW8ULi7t39UYfqKxK3/FI+a0P++P5VgV3ZorYyfy/JHPg3ehH+uoqnbIh9GB/Wu/rz49K79DmNT6gV6uQP+IvT9TjzJfC/X9B1FFFfUHkBRRRQAUUUUAFFFFABRRRQAVw/wAYLyew+Gd/PaNslEkSh8ZK5kAyPeu4rhvjJF5nwp1Y/wBzyn/KVa1o/wAWPqjDEK9GafZnzD3OSSSckk5JPrSgkMCpKsCCGBwQfUGigV9EfKH0z8Pdajh+C9nq2tENFBbTSXDKm7cqu+TjucCssfGL4elR/o03/guqHwUPtX7NtzEOSLK9TH0MlfP0ZzEh/wBkfyrzKdCNSc+Zvc9itXdGnTUUrWPoj/hcXw9/59pv/BdR/wALi+Hv/PtN/wCC6vniit/qcO7Ob69P+VfcfQ//AAuL4e/8+03/AILqP+FxfD3/AJ9pv/BdXzxRR9Th3YfXp/yr7j6H/wCFxfD3/n2m/wDBdR/wuL4e/wDPtN/4Lq+eKKPqcO7D69P+VfcfQ/8AwuL4e/8APtN/4Lq0vDvxL8Ga74gtdN0iGVL2csIi1lsHCkn5u3ANfM1dR8NJ/s/xP0Bv71yU/wC+kYf1qKmFgoNps0pYycqiTS37H1fRRRXjnvhSO6xoXkYKqjJZjgAUtfLvx+8Q634p+Ktl8P8ATLlobPfBF5QYqss8uPmfHUAMBjtye9AG7+0/4iv7LT/Dh0HWLi3gne4EpsrkqshAjwG2nnGT+dey+AnaT4c+HXkZndtMtyzMSSxMa5JJ618m/GL4Sw/C+30b7PrEuo/b/NDrJCECMgXkYJ67v0ruPi9431LQvg74I8P6TcSWv9p6VFJdSRnDNGsSAJnsCSc/THQmgD6Og1fTbq6a2tdQtZp16xRzKzD8Ac1NcXltaLuuriKBfWRwo/WvizxPpPgXw/4P0fVPBHi6e48TwOhukTeuSRksh2jbtbjryK6L4vJc+MfhT4M+IUyhrqWFrDUHTozqzBWwOB8yyf8AfQFAH1pJNFFF5ksiJH/fZgB+dJFPDPH5kEqSJnG5GBH5ivlr4pePH1z9nvwRaIxNxqRP2jGct9m/dnP1cg/hVX4p32o/D34b+FPh7p8zWRubL7bqrRkq0ru33CR/CG3Z9cL6UAfVFrq2nXs7Q2WoWtxKn3o4pldl+oBrxH9qTWdU0jRPD40nUruxE08wl+zTtH5gCrjO0jPU/nXkPjGx8FeE9N0TVfhp4uuLrXLeRRdFN6ndtz5i5UYGRjGTwR712Px41+TxT8J/AGtXAUT3iSSShem/YgbHtkGgD3z4XyyTfCrw1LNI0kj6bCzO7EsxKjJJPWt6PWNNmvDaRahavcg4MCzqXH/Ac5r5y+IXjnUfDH7PfgjSNGuXtZ9X09BNNGcOIUjXKg9slhz6AjvXOa78Cbrw78JYPG0GtSNqcUMV5Pbqm0Ij4+6+c7l3Ak98GgD65lmjgjLzSLGg6s7AD86gn1SwtbVbm5vraGBjhZZJlVSfQEnFfNes+Nb3xt+yVd3OrymfULG/itJpm6y4dGVj77WAJ7kE1zHg74S618QvhVNrcniExwaWsyadp7IXXK/O4JyAm4nsD70AfYSyxvCJVkVoyu4OG+Uj1z6VGL60aB5luoTFGMvIJBtX6ntXzB8CPEt7dfDnxz4du5nltbXSpbi2Vjnyt0bq6j0B+U4+vrXJfCD4fan8SrXWdHh8QPpWmQeXPPCqF/PkIYJlcjgYPU9+noAfZltf2l7bG4s7qG4gBIMsUgZRjryOKbZ6jZagrtp95b3QQ4YwSq+0+hweK+LPhV4Z1vxf4i1LwXYeIZdK06eMy34jywmWNgAAuRk5b1HHXOMVu/CK3vvBf7SI8O2960kSXNxY3BXKrOqK5BK/VQfY0AfXN1d21lAZr24it4gcGSVwij8TRa3ltfQCayuIriInAkicOp/EV8heI/EunfEb433UPj/XZdN8M2E8sUMabsBYztCgAHDORktjPUelWPAfiCw8DfH620zwRrcmo+GdUuY7ch84cSAAAggfMrnAbHQe5oA+thd25uPIE8Rm/wCeYcbvy61HFqVjPePaQ3tvJcx/fhSVS6/Vc5FfIXimz1XUP2pNRsPD+onS768vjbpdqSDGHiCseOfuk/8A1qzPFPhW8+Efxh0y007WHup0aC6jugnlt8z4KsMnPQ555BoA9y+O/wAWNd+Hs2lW3ho2LNeJL5zzJ5jxldmMDcAPvdwa9S8NakdW8NaddyzxzXEtpFJOYyMB2QE8DpyTxXyv+0r4PTQPHcetpeNO2ul5WhMe0Q+WqLgHPOc+1e1/BH4ajwHokl9Fq8l7HrVtbzmFoAnkttJ4OTn7+O3SgD1KiiigAJwCT0FcR/wsnwp/zzn64/48zXYX0nk6fcSf3Imb8ga+b4juiU+ozXDi6rg1ZI97KcDSxSm6l9LbP1PYP+Fk+FP+ec//AIBmj/hZPhT/AJ5z/wDgGa8iori+sS7L7j3P7FwveX3/APAPXf8AhZPhT/nnP/4Bmj/hZPhT/nnP/wCAZryKij6xLsvuD+xcL3l9/wDwD13/AIWT4U/55z/+AZo/4WT4U/55z/8AgGa8ioo+sS7L7g/sXC95ff8A8A9d/wCFk+FP+ec//gGaltfiH4Yub23t4UmEs0qxoTaEAMTgc9ua8dq/oCeZ4n0lB3vYv/Qs1UcRJtKy+4zqZNhYwbvLRd/+AeqeO9Zh0q70pLsYguGlVpR/yzIC4JHpzz6VQ+hBHUEHII9aofF9s3Ojp6CZv/QRXKaN4lm0q1e2li+0wqpMClseW3pn+77du1eZmmFdSvKcN9PyRjgsK54KE4b6/mzqta1eDR7EyzfPKwIhhB5c/wBAO5r0u1YvaQs2ASikgdOlfOl5cz390893IZJpSAT2AzwAOwHpX0bEuyFF/uqBXoZRh1RUu7t+pw5zRVGFNdXf9B9FFFe4fOhRRRQAUUUUAFFFFABRRRQAVyfxSh+0fC3X09LUv/3yQ39K6ysnxXZ/2h4P1i0xkzWUyAe5Q4q4O00yKivBo+P+tJTYjuhQ+qinV9IfIH0B8Ic3vwa1G164luoR/wACXP8A7NXz5D/qUz/dxXvP7PV15mha3ZMciK6SQL7OmP8A2WvEtStDYaxfWbDabe6lix6YciuOjpVqI9DE+9QpyK1FFFdh54UUUUAFFFFABWj4evP7P8VaRebtogvoXJ9BvGf0rOpHBKMB1xx9e1Jq6sOLtJM+2KKyvDGqLrfhTS9SVt32q1jkY/7RUZ/XNatfNNWdj7BO6ugr5X/aA8P694Z+LFr450q2d7ZjBPHcLGWSGaLA2v6Z2qeeuT6GvqikIDDBGQexpDPjL4n+KvGfxP0vS9Y1Dw09jpVu7w2xhiZvNkYAu2TyRhR2x7k5rvvir8OtX8T/AAg8GaxolpLc3ek6XFHc2qIfMMbRochepKleR159q+kMY6UUAfKGj/Fjw/b6Jb6bf/CazvdehiELbLRFErgYDFfLLAnuOec17BJ4fuvHP7PEumX2hQ6Jf3dm8kWnQ2/krBKrl4wE/hyQp9fmNenbV3bto3euKWgD4j+EfhDVPE/xM0PT9Rt7pdPsJTdSLMjBI1Q7iADwNzBQfrXr/wC0t8O9X8QLp3iXQbSS+exiNvdQRLucJu3K4XuASwIHqO2ce+0UAfKlj8XPD8mlR2X/AAqKxuteVAjLHaJsd+m7aELc/wB39au/HS21PUfhd4EZ9BOn3W2VprC0tSiWxKr8oQZ2j2NfToVQxIAyepxS0AfOPjv4dar4s/Z+8GXuj2kk+o6NYIZLUKRI8bIu4AdSwKg469cc8Vx+q/F3xT4m+G8Hw8h8OTf2j5cdpPNGrtJJGmMDy9uVY7QCc+vAzx9fUm0Bt2Bk9TigD5q8R+B7rwH+ybc2OpqE1G6vobu6jBB8tmdQEyPRVXPvmuM8F/FrW/CnwruvDOleHJJzePMsOo5cqpcYbChcFh25+or6O+MnhTVPGnw3utF0KON7yaeFlEsgRQFcEnJ9hTfg34L1TwF8Po9G1x7d7oXMk3+juWUBsYGSBzxQB5f8HPh7qvhv4W+MNb1qzmtbnVNMlitraRCJPLWNzuK9RuJGB149xTP2U7K7s73xL9rtZ4N0dvt82Nlzy/TIr6QooA+Vf2dbC8tvjNqUtzZ3EMbWdwFeSFlB/ep3IpPDlhep+19cXLWdwsB1e7PmmJtuCsmDnGK+q6KAPkXxZ4Z1L4UfGG61698Mx6/4fu55ZlE0HmRNHIclScEI6k8ZHb0Ndh4U+IWl+KPGmjW3hD4UWlvCbtDc6g1kjm3TPLqVUBSOu4ntwM19FEZ680gUKMKAB6AUAfK0un3v/DYQuvsdx9n/ALWU+b5TbceWOc4xSftA6fe3Pxy06a3s7iaJba1BeOJmA/eN3Ar6rooA+fv2pfC2ratp+h6vplnLd29j50VyIULtHv2lWIH8PykZ7cetdN8CPiRe+NdHn0rUtLWyk0a2t4klQticYK5wRwflHGe9et0AAdBigAooooAxvF119j8HarNnBW1cA+5GB/OvAlG1FHoMV7F8U70W/hAWoPzXk6R49VHzH/0GvH68nGSvUS7H2uQ0+XDOXd/l/TCiiiuI94KKKKACiiigArY8Hx+d420dPS53/wDfKk1j11Pw2tzP46tnxkQQyyH24Cj/ANCrSkr1IrzObFy5MPUl5P8AI0vi1IT4i0+Lslozfm+P6VwldZ8TLgzeOJY85EFvGg9s5b+tcnVV3erIyy6PLhKa8vz1JbWPzr61iH/LSeNfzcV9H18/eGoPtPi7SIeubtGP0X5j/KvoGu3ArSTPA4gl79OPk/6/AKKKK9A+ZCiiigAooooAKKKKACiiigApHUSIyOMqwwR6ilooA+L7+0On6neWTDBtriSIj/dYj+lQV1nxQ046Z8TtaixhZphcp7iRQx/XNcnX0kJc0Uz5GrHkqOJ6r+z/AH3keMtTsieLqyEg+qPj+T1yvxOsTp/xP1yLGBJOLhfcOob+eaPhhqn9k/EzRpmICTSm2fJ4xIpUfrtrqvj/AKX9n8X6dqSrhby0MTH1aNv8HH5VzfDifVHb8eD/AMLPKqKKK7DzgooooAKKKKACiiigD6K+BGtfb/Ab6bI2ZdLuGiA/6Zt86/zYfhXptfNfwV8Qf2N8QEspX222rRmA5PAlX5kP1PzL+NfSleFioclV+ep9NgqntKK8tAooorlOwKKKKACiiigAooooAKK+cPiz8XPFeofEQ+Bfh3I9vLFMLZ5YAPNnmI5UMfuKvQnjoTnFb3w50D4xab4nks/GWr3D6Vc2M2Lgzx3HlS4ATBPzKQWz6HFAHuNFfNXwZ+I3ipvjHd+GPHGrXN28qTWyxzsMRzxnPAAwMhXH5Vb8P+OfE3jL9o6/sbPXbm38NabNLLLBER5fkwjbzx0ZwM/7xoA+iqxfGOq3OheCNa1axCG5sbGa4iEgyu5UJGR6ZFfNl78TPiR8W/HFxpfw7uJtPsYdzwpbuISIgceZLIecnjj3xg9a7vSLL4h6d8JfH1p8SbqS4MWmyfYnkZJNwMLlyHXk/wAIwelAGl8A/iL4h+Idvrs/iSaB/skkKwpDCIwu4Pn3PQda9gr5n/Zn1i28P+DPGur35It7FYp5MdSFSQ4HuelVvDmrfFL40XOsavo/ic6BaWR229pBKY0ZyMrHleTx1Zs9enoAfUNFeLfs/wDxS1bximo+H/FMnn6ppqiSO42gNLHnawbHG5Tjnvn2yfaaACiiigAooooAKKKKACiimyypDE8krBURSzMegA6mgDyf4ral9p1+009GylnCZHH+2/T/AMdH61wtW9V1J9Z1i71KTP8ApMpdQf4U6KP++QKqV4FWfPNyP0rCUfq+HhS7L8ev4hRRWjaeHtYv9M/tCw0+W6tQ5QtFgtkdfl6kfSoSb2N5TjBXk7epnUUSAwyGOdWikBwUkUqw/A0UigooooAK9B+Edtv1TVLvHEcMcIPuSWP8hXn1erfDpF0jwDd6pMMeY8twST1VBgf+gmunCq9VPseVm8+XCSit5WX4/wDAPPfFF19s8X6tP2N0yL9F+UfyrLpA7S5kf70hLt9Scn+dLXO3zNs9OnDkgoLorfcdR8OLX7T46tXIytvFJKfY42j/ANCr2yvLfhHZl9S1O+I4jjSBfqSWP8hXqVevg42pX7nxOd1ObF8vZJfr+oUUUV1niBRRRQAUUUUAFFFFABRRRQAUUUUAeBftA6WYPE2laoq4S6tmgZh3ZG3D9H/SvJa+kfjjpB1H4cyXaJmTTZ0uM99udrfo2fwr5ur3MHLmpLyPnMfDlrN9x0U8lrPHcwHEsDrKh/2lOR/KvffjHbxeI/hXYeIbMbhbPFdKRziKQbWH/jy/lXgFfQPwtlh8YfBy78O3ZBa3WWxbPZWG6Nvw3f8AjtLFe641OzKwXvqdJ9UfP1FOkikt5pILhds0LmORfRlOD+optdh51raBRRRQAVZttOvb2C5ms7Oe4itI/MuJI0JWFPVj2H+FX9D8J6/4kkC6JpVxdLnBl27Il+rtgV6v4E8EDwTqkieLPEOnxPrMH2E6TE+4zF+nJwc9RwP4utYVa0YLfXsdVDDTqPVWXc8Qoq5q+lTaFrl7pNzzJZTtCT/eAPyt+IwfxqnWyd1dHNJOLsx8cssE0c9tIYp4nWSJx1VlOQfzFfXXhDxFD4q8KWOrwYBnj/epn/VyDh1/Ag18hV6l8D/GA0fxA/h6+l22eptut8nhLgDp7bwPzUetceMpc8OZbo9DL63s6nI9mfQtFFFeKfQhRRRQAUUUUAFFFFAHyB4ou7r4VftNXGv6nZyT2r3sl5HtH+uhmDAlSe43MPqte7eEvjl4Y8beL7bQNBivGlnhklMtxGI1XaM7QMkk4z+Vdpr/AIX0PxTZra+ItLtdRhQ5RZ4wxQ+qnqD9KpeHvAHhXwpM0/h3QrOxnYEeckeZMem45OPbNAHzl8fdOvfAfxksfGGigRNfKLiJyuVE8YCuMfTaf+BGuv8A2a/CLv4B13W7kFbjW2e1ilfJPlqCC34uzf8AfNch43u/iZ8YtYtfDVx4U+xR2N02ZltpI4w33d7SP0XHYdffivpnwr4fg8K+E9N0O0O6Kxt1h3YxvIHzN9Scn8aAPkz4TeNU+DXxA1ex8XWFwiSJ9lufKXLwujZDYONynnp2IIzXtl18U9F+JHw38eR6DFcJFp2lSZe4AUy74n5CgkgDbjmu88Q+AfCviyZZvEOhWd9MgwJpI8Pj03DBx7ZqTTvBPhrSNFudJ0zRLK2sbtDHcQxxACZSMEOercE9TQB83fA7RbnxF8JfiJpNgN1zdQRLCv8AecK5C/iRj8a474aWfw+nnv7D4mXOo6XcxuPIlidkQY4ZHAUkMCO/uOMc/Y/h/wAI6B4VWdfDmk22nC4KmUQJt34zjP0yazde+GPgvxNfNe634ds7m6b78wUxu/8AvFSCfxoA81+DUHwyg+IuoQ/DybVLq6j09jLc3T/unTzEBCggMTnbzjFe6Vj+H/CWgeFYGh8O6Raaer/fMEYDP9W6n8TWxQAUUUUAFFFFABRRRQAVxPxP1v8As/w6NOhfFxqB2HB5WIffP48L+NdnLKkMLyysEjRSzMxwAB1NeB+JtdbxH4gn1DLeR/q7ZT/DEOnHqTkn61yYqryQst2e1k+E9viOd/DHX59P8/kZVFFFeOfciEhVJY4A6mux0Pwz4ss4vtkeof8ACP2v3mkuZ8L+MfT88Vz+haNca/rMVjaEIf8AWSTMOIUHVj+OMD1rqtM8ReJtSurzTLdLDxTb2oLsZ4gglUHAIPQnr1HODzW9KKveV/K39X+487G1J25KfLpq79um+n3mteeL/D9vphtdcvI/FFz3aGzUKPbP3R9c15pdSRTXs8ttALaB5C0cAOREvZc966LWrrw5Na3KS+HL3RNZRf3ca5WNm9x0x+H41zFFabk7O39euoYChClFyimm+9rfJLS3oFFFFYHojXLBTsGW6KPU9q9a8WKvhv4UxaWnEkkcdpx6nlz+QauB8H6Z/a/jDT7ZhujSTz5Qem1Ocfidoro/ixqQn1ix02Mgi2jM0mP7zcKPyBP411UvcpSn30PHxf77GUaHb3n8tv68zgvpRRSMHZdsQzIxCoPUngfrXKewexfC2x+y+DhcMAGvJ3mB9V+6P/Qa7Oqek2K6Zo9nYoABbwrHx7DFXK9+nHkgon5riqvtq86ndsKKKK0OYKKKKACiiigAooooAKKKKACiiigCrqmnxarpN3p9yAYrqF4XBHZgR/Wvje5tJtPvJ7G7UrPaytBKD2ZTg/yr7Sr5s+NmgHR/HzX8aYt9WiEwIHHmrhXH/oJ/GvQwM7ScO55eZU+amproed16T8Ddf/srx0+mStiDVodgGeBKmWX813D8q82qa0vLjTr63vrJtlzayrNEfRlOR/hXp1Ic8HE8ajU9nUUztvjHoH9h/ES4niTbb6ogu0Pbf0kH5gH/AIFXB19BfE+xh8c/Cez8SaWvmSWka3sYHJ8sjEqfUDn6pXz71GRyKyw0+anZ7rQ3xlPkq3Wz1Ciiiuk4zet/HPiTT/DsWh2OrzWenxFtiwYV/mJJG/rjJPAx1rW8M/DTxRrlwmqPH/ZNsjCc6jqTFTwchgp+Y9M5OB71l+Bddg8N+NtN1G9jiktVk8qfzEDbEbjeM9CpwcjsDXfeIPGGreGvibq1h40nn1TQLy0kjjtYkUI0DjKMi8AsCChJPqa5KjlGXLTS11PQoqM4qdWT0dvQwvijoOxrHxRb60uvRakzQXN7GqrGJk4AULwFwpAGSfl6mvPq9G8JeGvGGs/DPUtM0rTbSXR76cTWz30+yQMp5MWBjJ2j5jgZB9a89uIJrW6ltrqJ4Z4XMcsTjDIwOCCPWtKL0cL3sZYqOqqJWTI6VWZGV43aN1YMrqcFSDkEe4PNJRW5yH1H8MvHCeNPDKtcMo1SzAivIxxk44kA9GAz7HI7V2lfIHhXxNfeEPEUGrab8zJ8k0BOFnjJ5Q/zB7ECvq3QNe0/xLolvqukzebbTrkZ4ZD3Vh2YHgivDxVD2UrrZn0mDxKrQs90aVFFFch3BRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRXN+M/FcXhjS8x7ZNQuAVtoT693b/ZH68DvUykoR5ma0aU61RU4K7ZzXxP8UbY/wDhHrGT53Aa8YH7qdRH9W6n2+teaU6SSSaaSaeRpZpWLySN1dj1JpteFVqOpLmZ+h4PCwwtFU4/N92FFFTWljc6neR2VhE0txOdqKnX3OewHr2rPfY620ldnSeAXgubnV9KNytvc6lZmG3lJ/iGcr9ec49jUNvB4q8PWF5otro91BcXciE3VsrFztxhUccbeOvGMnNX/tnhjUdmmeJtLk0DUbMCEXdq3Clem4jn06g/WtDUm8b6FpLzafrkeraWFLC8REaRE9Tnrx3BNdaiuX07fqjw51G6r0S5raS2bWzUldPpoZnj+5nEOhaZqNwLnUrO2Ml5IMcM4GAcd+D/AD71x9OklknmeaeR5ZZG3PI7bmc+pNNrnnLnlzHq4ej7Gkqfb9XcKKKVIpJ5o4bdC80riONR/ExOAPzqDc9K+E+mLHa3+tTDaHPkRMf7i8sf++uP+A1wOt6o2ta9e6k2dtxKTHnsg4UfkBXpniuVPCHw2h0izcCeZBaoR1ORmR/y3fmK8lAwABwO1dVf3IxpdtX6njZd+/q1MW/tOy9F/S+4Wt/wLpp1TxpYxld0duTcy8cAL93/AMeIrAr1L4TaV5WmXerSLg3UnlREj+BOp/FifyrPDw56iR05lX9hhZy6vRfP+rnoVFFFe6fngUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAV5/8ZvDf9u+AZ7mCPfd6W32uLA5KgYkX8VyfqBXoFIyK6FXUMrDBBGQRVwk4SUl0IqQVSDi+p8UgggEHIIyDRW/448NP4T8ZX+lbSLdX821P96Fslfy5X/gNYFfRRkpJNHyU4uEnF9D234D+Io7qw1Dwnf7XVQ1xbq/IaNuJE/AnOP9o15d4z8Nv4S8X32kMrCGN/MtmP8AHC3Kflyp91qnoGtXHhvxDZaxZZMtnKH2A48xOjJ+Kkivbfi3odv4y8CWfi3Qv3z2cPngoOZbZgCwx6r972w1cb/c179JfmejH/aMNy/aj+R4FRR16ciiu48wCMgg8g8EV3Nno48U/C/UNSt4rjUfEemXkYnZpGll+ybflCLnoBngD+A1w1X9G1zU/D2pLf6JeSWdyo2l0wQy/wB1geGHsazqRbXu7m1GcYu0tmd944+36T8Mfh6ZDPp99alnWIkoyMoBViPUcdf71Zfj63n8RwL8QLO1ig03UJFtpI0kDyRSINoaUDhS2MY5x8uetVdP0jxh8VNdM8kst2U+SS+uRtgt167QAMf8BUZ9a7fTdU8A+DI38F/aZ9aj1eQQ6rfbx5ETEbQQOgwcfdzjqTkVyX9na2sle9uzPQt7a/NpF2tfujxmitDXtKTQ/EF9pcV5HfJazGNLiNsiQdvx7H3BrPruTTV0eVKLi2mFdZ8P/Hl54G1oygPcaZcsPtlqvU/9NE/2wPzHHoRydFKUVOPLIqnUlTkpR3PsvStVstb0uDUdLuEubS4XfHIh4I/oexB5FXK+UfA3j3U/A2pGS1zc6fMwNzYs2A/+0p/hf36Hv6j6X8N+J9K8WaSuoaLciaI8Oh4eJv7rr1B/yK8Ovh5Un5H0mGxUa8fPsa9FFFcx1hRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUVzfivxnZeGbcx8XOoOuYrVW5/3mP8K/z7VMpRgryNaNGpWmoU1dst+JvE1n4Y0z7RdfvJpMrBbqfmlb09gO57V4dqepXesalLf6jJ5lxKecfdReyqOwH/16NS1K81jUZL7UpvOuJOM4wqL2VR2H+TVWvGr13VfkfdZfl8MHC71k93+i/rUKKKK5z1ArsPBMLWEl19rl/su41exK6VfTDCnruwex+6ccEiuc0aDT7nW7WLWrgW1gz/vnIOCB0UkdATwT2Fdz4h8Oy6hrt3q3iaeKPw1Z2u63a0kH3P4VA7HPJPQ/KBW9GL+NdP61PNxtaP8AAk7Jq9/nol3d9129TIktvCvgy22aqq+JNUIzJFE37qFe/JPU++ST6VT8XWEXh/VGsdGluLfTtRtkuZLIudqEsflI/DP51W8N201qk/iFdNgurDTGBaK5k2ZY9NpAwXXgkdOeOcVm6hqFzquoz31/J5lxO25iBgAdlA7ADgUpSXJtbt6evmVSpS9tdycrb3e70aVtlbf5leiiisT0ArtPhjof9o+IH1KdM2+nj5CejTMOPyXn8RXGJHJLIkUCGSWRgkaDqzE4A/OvXL6SP4efDpLaBwb6QeWjf3535Z/oOT9ABXRh4py55bI8vM60lTVCn8U9F6dWcT8Qtb/tnxXJHE2bawBt4+eGfPzt+eB/wGuYpFG1cZJ9z1PvS1jOTnJyfU76NKNGnGnHZDoYJbq4itrZd087rFGPVmOBX0NpOnRaRpFrp9v/AKu3jEY98dT+J5ry74XaIb7XpdUmTMFiu2PI+9Kw/ov/AKFXrtelg6doub6nyme4nnqKgvs6v1f/AAPzCiiiu8+cCiiigAooooAKKKKACiiigAooooAKKKKACiiigDy744+Ezq/hhNcsot15pWWk2jl7c/fHvt4b8Gr55+lfaskaSxtHKodHBVlYZBB6g18n+PvCT+DPF9xpqq32KT99ZOed0RP3c+qn5fyPevVwVW69mzxcxoWftV8zmq9l+Bfi9VebwjqTho5N01jv5HrJF/7MB/vV41Uttcz2V5Dd2UrQ3NvIssMq9UcHINdtamqkHFnnYes6NRSR03xG8HN4L8Wy2kKN/Z11meyc9AmeY/qpOPoQa5Svoy4jsfjT8LVkh2W+qQnKgn/j2ulHKn/ZYH/vlgeor53uLea0upra7iaC4gcxyxOOUcHBB/Gs8PUco8st0bYuioS54fCyOiiiuk4jc/4TLX18JxeG49Qki0yNmPlxfKzKxzsLDnbnPHvzmsMABdoGB0wKKKlRUdkVKcpfEwAwMDgUUUVRIUUUUAFaWheINU8M6ouoaHdta3AwHxykq/3XXow/l2rNopNJqzHGTi7xPpXwF8W9M8XSRadfp/Z2sPkLASTHPgZJjb6ZO08j3616FXjHwO8Jx2GmXHjHVQIzMjJaGTgRwj78ntuI6+i+9YjfHXWovFl3eW0EN3ockmILOVdjrGOAwcdGbrg5HPavBrQiqjVM+yy+hiMVS5nufQVFcX4Y+K3hfxNshS8Gn3rcfZL0iNif9k/db8DXaZzXPsVOnOm7TVgooooICiiigAooooAKKKKACiio57iG1gea5lSGJBlpJGCqo9ST0oAkoJwMnpXmfif43+H9I32+hK2tXYyMwnbCh95D1/4DmsH4cfFrVNZ8avp/iiaEQ6kAtmsUe1IJRk7M9SGHck8gDvVcrtc7Fgq7puo1ZI6DxP8AE9Nr2nhciRujXzL8q/7gP3j7nj615tJJJNNJNPI8s0h3SSyNuZz6k11PxB8O/wBh+ITcW6YstQJkTA4STq6/j94fj6VyteDXlNzan0Pt8uo4eFBSoLR9evz9PuCiiisD0Aqzpum3Wr6lDYafH5k8xwM/dQd2Y9gP/rVWq5pWrX2iX63ulzeVOowcjKuv91h3FONr67EVOfkfJv0vsdJJdeC9BuG05tJl154z5d1fMw+90YIM9vbH1NX5bt/CNhbat4Yn/tLwvfHY9hctkQsc/KpPK55GD0IwagmsdK8fQyXmihNO8QIu6exdsJc47g+/94f8CFU9eX/hHvBtn4ZmdX1Gef7deIrZFuD0TPr0/InuK67uKcla3Rr8v80zxEoVJRpyu5N2lGTvpbV9lbo427FTxN4hs9StbPTNBs/sGk2373yNu3dMSScj0XJx7n2Fc9RRXLKTk7s9qlSjShyRCiitDQtFuPEOtQ6daErv+aWUD/VRj7zfXsPc1KTbsipzjCLlJ2SOv+F/hz7VfPr12n7m3JjtQRwz9Gf8Og98+lYXjfxF/wAJF4idoH3WNpmK29G/vP8AiRgew967Hx5rUHhrw7B4b0b9zLNDs+Q8wwDgn6tyAfqe1eVgAAADAAwBXVWapxVGPz9TyMDGWJqvG1FvpFdl3+f+YtKqSSOscKGSWRgkaDqzE4A/Okrufhh4e+36s+s3KZt7IlIM9HlI5P8AwEHH1PtWFODqSUUejicRHDUZVZdP6SPRPC+hp4e8O21guDIq7pnH8ch5Y/n+gFa9FFe/GKirI/N6lSVSbnLdhRRRTICiiigAooooAKKKKACiiigAooooAKKKKACiiigArivij4K/4TLwoy2iD+1LImazY8bjj5oyfRhx9QD2rtaKqMnCSkiZwU4uMtmfFHIJDKysCQysMFSOoI9QaK9Y+NngQ6VqR8UaXFiyvHAvUUf6qY9JPo3Q/wC1j+9Xk9fQUqiqQUkfK1qMqM3FnV/DzxtL4I8TLduWfTrnEV9EOfkzxIB/eXP4jIr0T4xeB49XsF8aeHAs58pXvFgG4Tw4yJlx1Kjr6r9K8Qr1n4OfERdKuE8L67N/oFw2LKaQ8QOf+WR/2WPT0PHcYwrwlGXtYbrfzR1YWpGcfYVNnseTA5GQcg9CKK9H+LHw5PhTUG1fR4idFupPmRRxZyH+E+iE9PQ8elecV0U6kakeaJyVaUqU3GQUUUVoZBRRRQAUUUUAFb3gvwtN4x8V2ukRblgY+ZdyL/yzhH3j7E8KPc1gkhVJbgAZNfQ3w70W1+G/w3u/EevKYru5iF1cgj5kQD93EPfnp/ebHaubEVfZQut2duCw7r1Uuhn/ABq8UQ6NoFt4O0fELXMS+esfHlWy8BB6biMfQH1rw2rus6vd6/rd5q2pHNzdyF3Gc7B0VB7KMD8KpV5MVZH6rhaCoUlD7xGUOuHAYehGa6DQfHXifw3tXSdZuFgXpbTnzogPQK3T8CKwKKdrm8oRmrSVz2HSP2gruPamv6FHKOMzWM2P/HH/AMa7Kw+Nngq9wJ76ewY/w3duy/qAR+tfNlGajkRwTy7Dz2VvQ+ubLxl4a1Fc2WvadN7LdJn8s5rUjvLaYAxXETg9Crg18XtFG33o0P1UUqxqv3Rt/wB04pezOZ5THpP8D7T8xB/Gv51BNqVjbjM95bxD1eVR/M18aY/2n/77P+NNMUbfeRW/3hmj2YllK6z/AA/4J9aX/wAQPCWmZ+2+ItPQjqqzh2/JcmuX1L47eErVG/s8X2pOPu+TblFP/AnxXzoqIn3EVfoMU6nyI2jldFfE2z1PWPj3r14GTRdNtNNQ9JJmM8g/Dhf5155rGv6x4hl8zXdTur/ByEmf92v0QYUflWfRVKKR3U8PSpfBGwUqs6OrxO0ciMGSRDgowOQR7g80lFM3PpPQtSt/ir8McTlY9Qj/AHc2P+WVygyGHseD9GIry2SKWCaSG5jMc0TmOVD/AAsDgis/4YeMD4Q8YRPcybdNv9tvec8Jz8kn/AScH2J9K9P+KPh37PdR69aJ+7nIiu9v8LdEf8fun/gNeTjqOnOuhz4Gp9VxDw7+GWsfXt/Xl3PPqKKK8k+iCiiigB0UslvcRz28jRTRMHjkQ4ZD6g0s88t1cy3FzI0s0zF5JGPLH1plFAWV7hRRSEhVJY4A5JpAORHkkSOGNpZZGCRxoMs7HoAPU165pNlZ/DjwfNf6ltkvpsGXb1kkP3Yl9h/iaoeA/CsejWbeJPEIWCRYy8KTcfZo8cu3+0R+Q46k1x3i3xPL4o1fzxvjsYMrawtxx3cj+8f0HHrXbBewhzv4nt/meHWk8wrfV4P93H4n3fZf159r5N/f3OqajPf3777i4bc5HRfRR7AcCoKKRiFUsxwAMk1x3vqz24xUUki1punXOr6nb6fYjM9w21SeiDux9gOa9/0nTLfRtJt9Psl2wwIFXPVvUn3JyT9a5X4c+FTo+mnU7+Pbf3ijCsOYYuoX6nqfwHau2r18LR5I8z3Z8VnGO9vV9lB+7H8X/WwUUUV2HhBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAFe/sLbU9Pnsb+FZ7a4jMcsbDhlIwRXyp468G3XgjxI+nzbpLOXMllcH/lrH6H/AGl4B/A96+s6wfGXhGx8aeHpdM1D5Gzvt7hRloJB0YfyI7gkV04eu6UtdmcmKw6rw03Wx8jUEBlIYZB61e1rRr/w9rVxpWrQ+Td25wwH3XXs6nup7fl1FUa91NNXR8zKLi7Pc90+F/xCtvEumf8ACH+MdlxcPEYoJZ+ReR4+43+2B/30OeoNcB8Rvh3c+B9S8233z6LcPi2uDyYj/wA8nPr6HuPeuLBKsrIzI6kMrKcMpHIIPYj1r3n4e/EOx8baW3hPxskM15LH5atKMJfL/SQdcDrjI9uKcZUJe0ht1R6dOpHFQ9lU+JbM8FortviJ8N73wPeG5t/MutElbEVyeWhJ6JJ/Ruh9jXE11wnGceaJ59SnKlLlkFFFFWZhRRT4oZrieOC1iaaeZxHFEg5dycAD6mgFq7Hb/CXwd/wlfi9ZruPdpmmFZrjPSR+scfvyNxHoPeug+OPjD+0dYj8M2Mh+zWDCW8Knh5iMqn0UHJ9yPSu0Y2vwb+EgChJdScf9/wC7cdf90Y/75SvneSSWaV5biRpZpXMksjHl3JyWPuTXiVantal+i2P0HIsB7OPtJf0/+ANoooqD6oKKKKACiiigAooooAKKKKACiiigAooooAKKKKAEIDKQwyCMEetfQXwo8RweNPA9x4b1tjNdWMQgk3HmWA8I/wBRjBPqAe9fP1a/hXxHceEvE9prNqGcQErPEp/1sR++v17j3AqJxUlY5cVRdWn7vxLVep2eq6ZcaLq1zp15zLbvjdj76nlW/Efrmqleo/EHSbfxB4ctfE2j4nMUIkLpz5tu3Of+A53fnXl30r5utTdKfKevgcUsVQU+uz9QooorI7QoopCQqksQAOpNAASACScAckntXoPgLwR55j13XY9lun7y1t5Bjd3Ejg9B3A/E9qXwT4C8/ZrHiOLy7dPngtJRjdjnfID0HcL+J9KqeOfHJ1ovpejSFdOBxNMpx9p9h/se/wDF9OvVTgqa9pU+SPFxGIqYqbwuFf8Ail28l5/13ag8d+Mz4huDp+muRpcLZZx/y8sO/wDuDt6nn0rkKKK55zlOXNI9ShQp4emqdNaIK7T4d+Ev7Zvl1a/jzYWr/uVPSeUHr/uqfzP0rG8KeGJ/FOq+Qu6OyhIN1Ov8I/uD/aP6Dn0r3O1tYLG0itrSJYoIVCRxqMBQOgrrwtDnfPLY8bN8w9hH2FN+89/Jf5v8vkTUUUV6x8WFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBxvxF+H9r440cBClvqtsCbS5I/NH9UP6Hke/wAxX9jd6XqE9hqNu9td27lJYnHKn+oPUHoRX2fXDfEf4b2njewFxbFLbWbdMQXBHyuOvlvjqp9eoPI7g92GxPs3yy2POxmEVZc0fi/M+YaUEhgykqykMrKcFSOhB7H3qxqGn3ek6lPp+p272t3bttlhfqp+vcHqCODVavY0aufPtOLs9z3D4ffFe11u0Xwz478qSSZfJju51BjuQeNkoPAb36N7HrzvxG+EN14cMuq+GY5bvSeWkthl5bUe3dk/Ue/WvMSAykMAQeCD3r1D4efGG78PCLS/E7S3ulrhY7nlprYdge7oPzHv0rjnSlSlz0vmj0qdeFePs6/yZ5eCGAKkEHoR3or3jxh8J9K8W2X/AAkHgO4top7hfN8pG/0e6z3BH3G+nGeo714ff6feaVqEtjqdrLaXcX34ZVww9/ce44Nb0q0aq037HLXw06L127levW/gX4O+36pJ4ov4821mxisgw4eXGGf/AICDge5PpXmeh6Ld+Itds9I04ZuLuTYrHpGvVnPsoya92+I+tWvw7+HVp4a8Pnybm6iNtb4PzRxgfvJT7nPX+82e1c+Lq8seRbs7sqwcsRWT/r+keafFXxh/wlvjB0tZN2m6YWgtsHiR84eT8SMD2HvXE0gAVQqjAAwB6UteclZH6hTpxpQUI7IKKKKZoGySRligUtLIwSNR3Zjgfqa9V8SeCvh5pGtW3h+71e/0fVXto2a5/wBZbBm4+bd90kgnqBz2rk/hpox1z4kaRAV3RW8pu5eMgLGMjP8AwIqKk8aWGteLPidq8Vppd69xd3RggV4GUeWoCKxJGAuAWz6VL3OOrJyqqHNZJXf6FLVPBGs6V4zh8MSxxzX1yR9ldGxHcKc4YE9B8pz6EU/Uvh54v0hXe98P3RjjBZ5INsqgDqcqen4V6+0Nvd/G3w9pqOJ38N6O73Muc4dlCKD74O7/AIFXnPjGe7s4NQ1Tw/8AEIanaandyJJZW07K0Yk3HlCx+UYxkAdqlSbMaWJqTlGOmy6P+locNLBNbuEuYJoHI3BZoyhI7HB7e9RGRAxBYAgZOTXpvxRZvEfhrwb4ptI2luL+3+xOijrL1Vf++w4rauBbeG/EngTwFbpFI9vOl3qcm0HfKwYgE+53N9NtVzG31r3E7a66drbniwniJwJUJ/3qeGDEgHJHX2r2bx5rXjbSbjWxH4Z01PD8ZaNb1rZSREwC7shs5yfSue8bosvwj8AXCqBiJoyQMZ/dgc/980KVx08Tz8rtv536XODsdPvtVvFtNLsri9uWGRFbxl2x6nHQe5qfWNA1nw8qtruk3dgj52PNH8rHrgMOM+2a7+C6uPCHwDstS0CRra/12+23V5HxIiguAoPbhAB6ZPc1N8MNXvPGS6z4M8S3UupWV1YtNC1y294XDAcMef4gwz0I4pczJliJpSml7qdvPTdmQvws+yQ2b+I/F+jaQb9Q1rHkyGUHGDklRjkc9Oa5nxR4av8Awjr8uk6p5bSookjlizslQ5wwzz2II7EV6K9r4e8TfBnw5qvjG8ureLRXazn+yx73lIbZszg4B2qc1w/jvxYPGXiYahData2tvAttaxOcuEBJy3uSenbFEW2ycPUqznaWyunp56WOboooqzvCiiigD2j4F+LleOfwhqLBgFaex38gp/y0i/DO4D0J9KoeLfD58N+IZbRAfssuZbU/7BPK/VTx9MV5bY311peo21/p8nlXVrKssL+jD19j0PsTX0ffi2+Jvw4tdV0tALxU86FCeY5Rw8R+uCPyNcGMo88brdHHCp9SxSqfYno/J9H/AF5nlFFIDkZwR7HqPatHRdC1HxDeG20qDzCpxJM/EcX+8fX2HNeEk27I+knOMIuU3ZIoIjySpFEjySyNtSNF3M59AO5r03wr4Dt9Gg/tvxW0QkhHmJDIw8u3A/iY9C36Dtk81fstK8PfDfTft+ozeffSAqJiuZJD/cjXsP8AJNefeJ/FuoeKLjFz+4skbMVopyAezOf4m/QdvWuxQhQ1nrLt/meLKtWzB8lD3afWXV+S/r17Gl4z8dy+Ii1jppeDSwcMT8r3P19E9up7+lcjRRXLOcpy5pHrUKFPD01TpqyCtLQNAvPEmqLZWI2gYaacjKwr6n1J7Dv9KNB0C+8SakLPT1AC4M87D5YVPc+p9B3+le4aDoNl4e0tLHT0wo+Z3blpG7sx9a3w+HdV3ex52ZZlHCR5Iazf4eb/AERJo+j2ehaXFYafHshjHU8s7d2Y9yfWr1FFeykkrI+FlKU5OUndsKKKKZIUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQByHj74ead4404eZi11OFT9mvVXlf8AZYfxIfTt1GK+aNe0DU/DOrPput2pt7heV7pKv95G7j+XevsasXxR4T0nxfpJsNat/MUHdFKpxJC395G7H9D3zXZh8S6XuvY4cVg41lzLRnyFRXWeN/h5q/ge5LXQ+16YzYiv41wvsJB/A36Hse1cnXsxnGavE+eqU5U5cslqdB4S8ba14LvTNo84aCQ5ms5smKX3x/C3+0PxzXtVnrXgj4x6athqcIttTQZWCRglxEfWJ/4h9PxFfO4GacvyOroWV0IZHViGU+oI6GuPERpXve0j28uwuOrwvThzQ21aX5n0j4C+Gdr8P7zU9Uur37dIylYJTFhoYByQQM5YkckdcCvB/F3iiXxl4ou9ZlyIpD5dtGT/AKqFfur9Tyx9zXa+D/jZq+ihLXxMj6vZg4+0LgXEY9+0n44Pua7W88JeAvipayajoF1HbageZJ7QBJFP/TWI9fqRn0NebKUnLmlqfV4Oisuf7yGndapHz5RXZ+J/hV4o8Mb5Taf2pZLz9psgWIHq0f3h+GR71xasrZ2kHHB9qaaZ79OpCouaDuLRRRTLJrS9u9PuVuNOu57OdektvIUYe2R29q6Zfil43WxNoPEEpQjHmGGMyD/geM1ydFFkRKnCfxJM6/wB4wsfCmq6pdazbXt6dSt/IeWCQGQZJLsSxyScjnPaqfiC38CrpiT+EbnWFvg6obS/QbQn8TBsduOM1zlFK2tyPYrn502metfDLxL4dg8EPZeKrmKN9DvzqFjG8gVpPlLDYP4iGLDHqRXIeF9Zl1X4waZreqyLG91qJnlZ2wsQKthcnoAMD8K5MgHGQCR0yOlBAZSGGQeoPelykLDRTm19r8D1vxl4Q1nWNc1i+g8baYdMuJGlSyk1JyNgA+XZ93t06U2303T/ABf8FfC9g/iLS9JurGR3cXsyhgoMi425BzyDXkfkQj/lkn/fIpxjRmLMiknqSKOUj6tLlUebbbRdrHpOn6voGj6XqXgDxZfjUtFaRbi01jTRuEEhwx4GcYbPTPUg8Gm2XiDwl4B0/UH8Hajd69rl9CbdLyWHyorZDznBAyc4OBnJA6CvOQAowoAHtS0cpX1aL3b13XRs3tN8VS6d4B1TwobNbm31GYTCeSTBgYBckDHJJUHqKwaKKqx0RjGLbXUKKKKCgoop0MUlzcpb2sUk9xIcJDChd2+gHNADa9K+Cfi1tF8WHQbgs1pq5zGo58qdR97HowGCfUCl8L/BDXtY2T6/INGtDz5fElw4+n3U/HJ9q7qbVPh98Ibd7awjWbVCuGjhPnXUh/23P3B9SB6Cs5ST0PMxWIpVIujBczfb/M1L/wCGVjf+KJ9RmuWisJj5r2sQ2kyfxfN2U9cDnJPNV9a8eaT4bs/7K8J28E0sQ2gxjEEJ9yPvH2H4muDv/iBrXi+yMlwwsLGVmCWdux+ZRx879W+nA9qyAAoAUAAdAB0rxatVU5ONNWfVnfhsvqVoRljJcyW0enz7v+rli+vrvU757zUbh7m4fq79h6AdAPYVBRSMQqksQAOpNcL11Z7qioqyQtbfhjwpfeKLvFvmCyRsTXZHA9VX+836Dv6VteEvh3c6wY73W1ktLA/MsJyss49+6L+p9q9atbWCxtY7azhSGCJdqRouAo9hXbQwrn709jwcwzeNC9OhrLv0X+b/AK8ito+jWWhabHY6bCIoU6nqznuzHuT61eoor1UklZHxspSnJyk7thRRRTJCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAjnt4bq3eC6iSaGRSrxyKGVh6EHrXifjn4HPF5moeCPmTln0yR+n/XJj/6CfwPavcKK1p1Z0neJjVowrRtNHxbJDLa3MttcxSQTxHbJFKhV0PoQeRSV9W+LvAGheM7YjVLby7pVxFewYWaP8e49jkV4R4v+FXiHwoZLiOI6rpq8/arZDvQf7cfUfUZH0roqVo1Wnsz2Mi5cNTlQlLd3XzVv0OJqS2uJ7O8jurKeW2uYzlJoHKOv0IqJWDLlSCPUUtZn056h4Z+Omt6Ztg8R2yavbjjzosRzge4+636V2Rb4YfFIguYItSYdz9lugf03f+PCvn2kZVcYdQ31HSo5V0OGeBpt81N8r8j1vXvgFqdsWk8N6pFexjkQXg8uT6B1+U/iBXnWseFtf8Pk/wBtaNeWiqcGUx74/wAHXIq/oXxC8V+HNq6drE0kC8C3vP30ePQZ5H4GvQ9G/aB3Yi8SaEQDw01hJuGP9xsH9TR7yIvjKW6U19zPFkdZBlGDD2OadXvv9pfB/wAaPi6TTre6c/8ALeM2kuf975cn8TUF18B/DmoJ52ha5eW6MOPnS4T9ef1o511D6/COlWLj6o8Jor1O++AXiGDcdP1bT7xR0EqPCx/9CFYF18IPHNquRo8VwP8AphdoT+RxVcyOiOLoS2mvy/M4uit6fwH4vtv9d4Y1P/tnCJB/46TVN/DXiCP/AFnh/Vk+tjJ/hTujZVIPaS+8zaKvf2FrJOBomp5/68pP/iamj8L+I5SPK8O6u+fSyf8AqKLj549zLorooPh54zuf9V4Y1Af9dVWP/wBCIrXtfgz44uNpk061tge812vH4LmldGcsRRjvJfecNRXrdh+z7qspB1TXrS3XuLWBpD+bED9K6CH4MeCdCQT+ItVnnVeT9ru1gjI+i4/nS50c0sww60Tv6I8CZ1VgpYbj0XufwrpdF+HvizxBtOn6JcJE3Inux5EePX5uT+ANetJ44+Ffg3K6DbW006d9OtPMb/v4eP8Ax6ub1n4/arcbo9A0iCyQjAmu381/qFXA/MmlzN7In6xiKn8Knbzf+Ro6H8A7eBPtHi3WDIijLQWX7tMe8jc4+mK1ZvHXw6+Hdu9l4Ztobu5HDR6cock/7cx4/U/SvFdb8Ua74kcnXNWurxCc+SX2xD6IuBWUAAMAYA7Cjlb3D6nUq61538lojufE/wAXfE/iMSQQTrpFk3Hk2bHzGH+1J1/75xXCYCq20cnk+pPv6mnUVSSR206UKa5YKx3VpB9lsbeAjHlxqD9cZNS1xVpfahHNHBZTXEkshxHAgMhc+gXkn8K9h8G/DTX9UjW58XeXp1uRlYIf+Ph/948qg/M/SvEq4Kqne6Z3Tx9CjG9R2Oc07Tb3V70Wml2z3M/cL0QerHoo+teq+FfhzZ6M0d7qxS+v15UY/dQn/ZB6n/aP4YrqtM0ix0azW10y2jt4h2QcsfUnqT7mrlb0cLGGstWfM47OKuIvCl7sfxf9dgooorsPCCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAOH8V/Cbw34paS5EB03UH5N3aALuP+2n3W/Hn3rxvxL8I/FPhzdLDbf2vaLz51kpLgf7UfUfhmvpyiqUmjuoY6tR0vdeZ8Vggsy9GU4ZSMFT6EdqWvrLxF4E8N+KVJ1nS4ZJj0uIx5co/wCBrg/nXl+vfAC5j3SeGNXEo7W+oDB+gkUfzFaKa6nsUsyoz0l7rPHaK3Nb8E+JvDpb+19Fuo41/wCW8K+dGf8AgS5x+OKwUdXzsYMR1APSr3PRjKM1eLuKwDDDAEehqW1uJ7CQSWFzPaOOjW8zRkf98kVHRQVudPY/Erxpp2Bb+I7qRR/DdKk36sM1u2fxy8Y23/HwNNvB/wBNLdk/9BavO6KXKjCWGoy3gvuPWoP2g9XX/j68P2Uv/XK5dP5qaup+0O3/AC18LP8A8Avl/qteMUUuVGLwGGf2fxf+Z7X/AMNER/8AQrT/APgan/xNQyftDyn/AFPhYj/fvh/RK8aoo5EL+z8N/L+L/wAz1ef9oHXHz9l0PT4vTzJnf+QFY938bPGtwx8i4sbQHtFa7sfixNcBRRyo0jg8PHaCN+/8e+LtTyLzxJflT1SBxCv/AI4BXPy/v5C9wWmc87pWLn8zmloqrHRGEYfCrB2x2oopAwaURpl5D0RAWY/gOaChaK6vRPhj4v17a1rpD2kLc+ffnyVx6hT8x/KvSNB+ANhCEl8TapNev1NvajyovoW+8f0qXJI5KuMoUt5fdqeIW1vPfXaWlhbzXdy5wsECF3P4CvSvDPwN1zVdlx4hnXR7Y4JhXEk7D/0Ff1PtXuejeHtI8PWv2fRNOt7KPuIUALfU9T+NaVQ5voeTWzSctKSt+Zz/AIY8D6B4RhK6LYLHMwxJcyHfNJ9XPP4DA9q6CiiszyZSlN80ndhRRRQSFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFYGs+BvDGvktq2iWdxIf+Wvl7H/76XB/Wt+igqMpQd4ux5XqnwC8PXJLaVqF/pznopcTIPwbn9a5S/8AgDr8AJ03V7C8A6LKjQsfy3Cvf6KrmZ2Qx+Ih9q/qfLd58J/HFk3OhG4H962uEf8AQkGsa58KeJLIn7X4d1WIDqfsjMPzGa+vaKrnZ1Rzaqviij4vkgnhOJra4jP+3A6/zFQmVF+8wH14r7WIBGCMioHsbST/AFlrC3+9GDR7Q1Wbd4fj/wAA+L/Pi/56J/31TlkVvund/ujNfZf9l6f/AM+Nt/35X/CpI7S2i/1VvEn+6gFP2g/7WX8n4/8AAPjeGzu7g4t7K7mPpHbO38hWra+C/FV6R9l8NaowPQvbmMfm2K+uaKXtDN5tLpD8T5hsfg/44vcFtKhtFPe5ukBH4Lk109h+z5qkmDqmv2tuO62tu0h/NiP5V7vRS52YSzPES2svl/mea6V8CvCdjhtQN5qj9xcTlUP/AAFMV2+keG9F0GMJo2l2lkPWGIKx+p6mtOipu2cVSvVqfHJsKKKKRiFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAf/2Q==)The Agile methodology technique divides a project into many parts and uses these phases to manage the project. Continuous improvement at every stage and ongoing collaboration with the project owners is required. Teams cycle through a process of planning, carrying out, and assessing each task once the job starts. Collaboration between team members and project owners must always be ongoing throughout the designing of the web-based system to ensure everything is up to standard and what they desire.

## Agile Methodology Sprints

Sprints are time-boxed iterations of an ongoing project development cycle. They are brief, recurring phases that last one to four weeks. Agile and Scrum techniques, which divide huge, complicated product development projects into smaller, more manageable portions, are built around sprints.

The following features apply to each sprint:

* It keeps the same duration during the entire development process.
* Immediately following the successful completion of the previous sprint, a new one begins.
* The sprint has a set beginning and ending date.

Diagram

Description automatically generated with medium confidence

# Group Communication

## Whatsapp

A green and white logo

Description automatically generated

WhatApp played a vital role in our teams’ communication throughout through the entire design and building process of the website. The WhatsApp group was created on the first day of our team forming and the project being produced to us. Despite having weekly meetings, we also needed to keep in contact when we were unable to meet in person and we decided WhatsApp was the best to do this.

A screenshot of a message

Description automatically generated

A screenshot of a chat

Description automatically generated

## GitHub

A black and white cat logo

Description automatically generated

To maintain the integrity of our project and facilitate seamless collaboration, we utilized GitHub's version control system, allowing team members to synchronize their work efficiently, track changes, and easily manage different branches, ensuring a unified and up-to-date codebase. GitHub's robust features, including pull requests and issue tracking, further streamlined our development process, enabling effective code review, collaboration, and issue resolution within the team.

A screenshot of a computer

Description automatically generated

# Product Backlog & User Stories

A product backlog lists and prioritizes the task-level details required to execute the strategic plan set forth in the roadmap. The backlog should outline the tasks the development team has to complete to carry out the broad goals of the plan. A product backlog frequently includes tasks like user stories, use cases, and other tasks.

The product backlog is a translation of how your team will deliver the vision outlined on an agile roadmap. In many ways, it is a giant to-do list for your development team.

A screenshot of a computer

Description automatically generated

The illustration above is our product backlog with each user story broken down which our group used during our planning stage. Each member of our group was appointed their own stories, which they then went and wrote use cases for.

Each user story also had its own sprint stage assigned to it, which would come into effect when the group would ultimately start designing and building the web-based system for McFaddans Instruments. During the creation of the Product Backlog, we were in contact with the project owner to ensure they were happy that all User Stories were thought of. This is a vital part of the planning of the web-based system as this is the backbone of the website.

## User Case Documentation

**User Case Documentation in Team Collaboration**

**Why We Use:**

* Facilitates effective communication on project goals within our teams.
* Identifies and addresses potential areas for improvement through comprehensive scenario analysis.
* Helps determine user requirements collaboratively, outlining essential system components.
* Optimizes budget allocation by minimizing the need for subsequent revisions.

**Components:**

* **Actors**
* **Systems**
* **Goals**
* **Preconditions**
* **Basic Flow**
* **Alternative Flows**

This collaborative approach to use case documentation empowers our team, fostering shared understanding and efficient resource allocation across various initiatives.

### Use Case Examples (McFaddan Instruments)

A white paper with black text

Description automatically generated

A white paper with black text

Description automatically generated

These Use Case Examples were created from the Product Backlog and User Stories, and follow the components such as an Actor, a description of the Use Case, Preconditions (Entry Clause), The Flow of Events, Postconditions and Alternative Flows.

## User Personas

**User personas** are character profiles that represent the main clientele of a company. User personas are written as if the subject were a real person, but they also represent traits that are shared by a group of individuals.

**Why we used them?**

To assist in directing any ideation process, we require user personas. A persona aids in our comprehension of a user's behaviour, experiences, and objectives. Our group gains empathy with the user as a result, which helps them concentrate their efforts. A company may better serve its customers by being aware of their varied wants and expectations thanks to this insight.

**How we create them?**

* **Segmenting our audience.** Our team starts by identifying the customers who buy our items and noting their common traits.
* **Customer’s Characteristics**. Consider the characteristics, attitudes, and difficulties of our clients. Ex: Where do they get information (through social media, online news sites or traditional media)?
* **Triggers and objections**. Consider the reasons why our clients buy our goods as well as any potential complaints.

Moreover, it's crucial to humanize these personas by incorporating anecdotal elements, turning them into relatable characters. This includes giving them names, occupations, and even personal anecdotes that mirror real-life scenarios. Humanizing personas aids in fostering a deeper connection within the team, making it easier to empathize with and understand the needs of the end-users. By envisioning these personas as real people with distinct personalities and experiences, the team can more effectively tailor their strategies and solutions, ensuring a customer-centric approach throughout the product development and marketing processes.

## User Personas Examples (McFaddan Instruments)

A screenshot of a music store

Description automatically generated

A screenshot of a computer

Description automatically generated

# Wireframes

A screen shot of a computer screen

Description automatically generated

Adam oversaw the creation of the wireframes for the McFaddan Instruments website. Before creating the wireframes, he checked the product backlog to make sure that all User Stories were accessible. By doing this, it made it easier to know and understand exactly what had to be included, espceially in the most important wireframe, the home or better known, Landing page.

Wireframes are essential blueprints in our design process, offering a simplified visual representation of a digital product's basic structure and layout without intricate design details. Acting as an early guide, they enhance communication and alignment among stakeholders, serving as a visual bridge that connects conceptual ideas to detailed design, fostering collaboration. With a deliberate focus on structure and functionality, wireframes facilitate quick iterations, efficient feedback, and early identification of potential design issues, contributing to a refined user experience.

In the iterative design process, wireframes support teams in making swift adjustments based on feedback, evolving project goals, or emerging business requirements. Serving as a common language for interdisciplinary teams, wireframes ensure a shared vision among designers, developers, and stakeholders, minimizing misunderstandings and reducing the likelihood of costly revisions. Additionally, by addressing potential design issues early on, wireframes contribute to significant cost and time savings, as changes at this stage are less resource-intensive compared to altering a fully developed interface.

A screen shot of a phone

Description automatically generatedIn summary, wireframes are foundational tools in design, providing a low-fidelity representation that aids collaboration, aligns stakeholders, and ensures a user-centric approach in digital product development.

## Mobile Layout and Wireframes: Enhancing User Experience

In the realm of mobile-friendly design, our focus is on ensuring seamless accessibility of website content across all devices, particularly smaller screens. Recognizing challenges like limited space, scarce attention, and goal-oriented users, mobile version wireframes become crucial.

Once Adam had created the desktop version wireframe, this made creating the mobile orientated wireframe much simpler, as he had a base to go from.

**Challenges:**

1. ***Limited Space****:* Mobile wireframes optimize layouts for smaller screens.
2. ***Scarce Attention:*** Prioritize clarity and simplicity to capture user focus.
3. ***Goal-Oriented Users****:* Streamline navigation for efficient task completion.

**Importance of Mobile Version Wireframes:** Dedicated mobile wireframes visualize and optimize the user experience for smaller screens. They address unique challenges, guide the placement of elements, and facilitate efficient communication among design and development teams. These wireframes ensure a cohesive and user-centric approach to responsive design, meeting the distinctive needs of mobile users effectively.

# Moodboards & Logo Design

At this stage in the agile methodology, the project is still in the design stage after the wireframe, as the layout of the website needs to be created before the design/display sprint is started.

The purpose of the mood board is to clearly show what type of style and theme that the product owner want’s/ needs on the website. A mood board will help creating brand design, product designs, and pretty much any other type of design that the website needs. Each member of the group created their own moodboards, which we provided to the product owner. The owner decided that Gabriela’s styling and colouring was best suited to what they want, so we moved forward with the moodboard displayed below.

### Color/theme

The first thing that was added to the mood board were images that the owner wanted to have on the website, from this it is easier to know what type of style the website should have based on the products.

From there we looked at the most popular colours, which were bright colours with some light ones mixed in, these were primarily turqoise, red and a background white.

After coming up with the colour template our next step was to show the project owner, this is so that they can be altered if the owner does not like the colours.

### Fonts

Then, after looking at all the colours we decided to look at font’s and what type the project owner wants, we decided on two to use on the website: one for regular text and the other for discounts, making it easier to determine whether a product has a discount or not.

### 

### Final Feedback

A screenshot of a computer

Description automatically generatedAt the end we made two mood boards with different styles, and presented them to the project owner, after some feedback from the owner we want back and changed the mood board a small bit.

After a meeting with the Product Owner, the moodboard and colour scheme above was what was decided, and we could move on to the next sprint after designing our logo.

## Logo Design

A red guitar with red text

Description automatically generated

A **logo** is a vital component of every brand and is also a required component of any website. A logo identifies the store and helps existing and future consumers recognize and remember it. Gabriela was in charge of creating a simple but effective logo, this is displayed above and really fits the style of the website.

* Logos are often featured in the top left-hand corner of the website header and are clickable to assist users in returning to the site's homepage.

**Designing:**

* When Gabriela was designing a good logo, it had to be **distinctive, suitable, practical, visual,** and **basic** in form, and it expresses the desired message of the owner.
* She employed a simple logo design to make it more memorable. Users are more inclined to trust what they recognize; thus, they must be able to recall our logo quickly.

Additionally, a well-designed logo serves as a visual representation of a brand's identity and values. It should encapsulate the essence of the business, communicating its personality and establishing a connection with the target audience. Colors, shapes, and typography play crucial roles in conveying the desired message and eliciting specific emotions from consumers. Consistency in logo usage across various platforms and marketing materials enhances brand recognition and fosters a sense of trust. A thoughtful and intentional logo design not only contributes to the overall aesthetics of a website but also plays a pivotal role in building a lasting and positive brand image in the minds of consumers.

# Database Design

As a group, we came together to decide on what tables were required to be added to the database, as well as what fields and information these tables would require. Michael oversaw the creation of our database, as well as creating our SQL files and implementing this with PHPMyAdmin so that the website could run smoothly from the storing of data in the back end.

A screenshot of a checklist

Description automatically generated

### Initial tables

Initially we looked at the website pages to determine what tables would likely be needed for the website, afterwards we spoke to the project owner to see if they had any feedback on them, such as requesting to add more tables or removing some unneccessary ones.

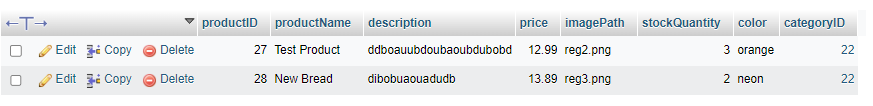
### Table Example1

A screenshot of a computer

Description automatically generatedA Members table, to allow users to save information so that it isn't necessary to repeat it when creating or making an order on the website. This will benefit consumers by ensuring that they don't forget their information or misspell their information for orders, as well as making it easier for them to log in with their credentials.

### Table Example2

Another table that the project owner wanted to have was a products table, since a lot of information regarding a product needs to be maintained, products would also need their own table. Creating this table would aid in product organization by making it evident which products have the same information, which can help locate duplicate products.

This is just an example of the kinds of tables that were needed for the website. Once the table is organized, we then added columns for the data the owner wished to keep. Products, for instance, has Name, Description, ProductID, Stock Quantity, and so forth.

### Clearly displaying\Tables

Then, to see them more clearly, we decided the best approach to join the tables together was to put all the tables into visual paradigm. This is so the project owner could understand on a basic level how the tables will work together.

A screenshot of a computer

Description automatically generatedVisualizing the interconnected tables in Visual Paradigm not only provided clarity for the project owner but also facilitated collaborative discussions within the team, ensuring a shared understanding of the relational dynamics among the tables and fostering a more streamlined and efficient database design process.

# Front & Back End Design and Implementation

Once the conclusion of the planning and design stage was reached, we began coding the php’s for the website. Critical pages were delegated amongst the group so that everyone knew which page they were responsible for.

The front-end coding for the website was made much easier due to the planning and design stages, as well as meeting with the project owner to determine which styles best suited their webpage and which layouts, they felt were happiest with and the cleanest looking.

A screenshot of a music store

Description automatically generatedGabriela and Adam were responsible for the front-end implementation of the website. The home page, also known as the landing page, is the most crucial part of the whole website as it is the first thing the customer sees once they enter. As we had already decided on a suitable layout and design for the landing page, this is the result that was created.

The Landing Page followed the same design from the wireframes, as well as the style and colouring from the moodboards. This is yet another reason why the planning stage/sprint is so vital for consistency throughout the entire process of building the website.

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generatedWhen a User/Member Wants to buy a product, they can click on one of the product categories and are redirected to a product page, which looks like the illustration above.

Once a user adds an item to the cart, they are redirected to the cart, where their added product is displayed, as well as the price, an option to remove it from the cart and a button to proceed to checkout.

A screenshot of a computer

Description automatically generatedTo be able to checkout and pay for a product, a new user must register as a member, where they will have all their details saved, such as their billing addresss, email, as well as a username and password so they can log in to make future purchases.

A screenshot of a login registration

Description automatically generated

A new User can register as a member to avail of purchasing items from the McFaddan Instruments website, each form on the website has form validation so there are no issues storing the data in the database.

A screenshot of a contact form

Description automatically generated

If a user or member has enquiries about a product or an issue they are having, McFaddan Instruments provides a service where their messages will be replied to by email from a meber of the McFaddan staff.

A screenshot of a login screen

Description automatically generated

An icon in the top left of the website will allow a member, a staff member, or an admin to log in. When a member logs In, they will be permitted to add items to both the cart and their wishlist, and checkout if they have an address and credit card linked to their account.

A screenshot of a computer

Description automatically generated

When an admin or staff member logs in, they are redirected to the Dashboard, where they have control over staff, members, categories, products, sales, and orders.

Some Snippets of how the dashboard looks can be found in the pages below↓

A close up of a number

Description automatically generated

An admin only can add new staff, as well as delete current staff, if they are no longer employed by the company.

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generatedAny member that registers an account on the website is displayed in the member’s section.

Categories can be seen in the Category section. An admin or staff member can add, delete, and update any category from this page, and concurrently these categories will update on the McFaddan website.

A screenshot of a video game

Description automatically generated

Like the categories, the products page functions exactly the same, the only difference is is that the product will be added to the drill down product page on the website, corresponding to whichever category the product belongs to.

A screenshot of a computer

Description automatically generated

A close-up of a computer screen

Description automatically generatedThe sales section allows both admins and members of staff to view the sales on the website, as well as the total amount of members the website has, the total amount of sales and its total amount of staff members. The orders page below displays all orders made from members of McFaddan Instruments website.

## Back-End Implementation (PHP)

For the back-end implementation of our website, we used PHP to code all aspects of our website to ensure the front end worked exactly how we needed it to. Below are our reasons for using PHP.

**Dynamic and Personalized Content:** PHP was chosen for the McFaddan Instruments website due to its server-side scripting capabilities, allowing us to generate dynamic and personalized content in real-time. This ensures an engaging user experience.

A screen shot of a computer program

Description automatically generated

Our Index page, otherwise known as our landing page, created using PHP.

**A screenshot of a computer program

Description automatically generated**

AdminDashboardController

**A screen shot of a computer program

Description automatically generated**

LoginController

**A computer screen shot of a program code

Description automatically generated**

MemberController

**A screen shot of a computer program

Description automatically generated**

Products Dashboards PHP file

**Database Integration:** PHP seamlessly integrates with databases like MySQL and PostgreSQL, enabling efficient organization and retrieval of information. This ensures that McFaddan Instruments can manage its data effectively.

A screenshot of a computer

Description automatically generated

A view of our sql database displayed in PHPMyAdmin. Each table contained the data required to run the website through the back end.

**Cost-Effectiveness and Open Source:** The cost-effectiveness of PHP as an open-source language was a key factor in its selection. This choice allowed for resource efficiency and access to a wide range of libraries and tools for innovation.

**Scalability and Flexibility:** PHP's scalability and flexibility were essential for McFaddan Instruments. Its modular and extensible nature enables easy integration of new features, ensuring the website can adapt and scale with evolving requirements.

In summary, PHP was chosen for McFaddan Instruments for its ability to deliver dynamic content, seamless database integration, cost-effectiveness, and scalability. These factors collectively contributed to an efficient development process and a website tailored to the specific needs of McFaddan Instruments.