**Metody numeryczne proj. 1 - wskaźnik giełdowy MACD**

**Maciej Danielewicz 188555 – Informatyka gr. 1**

**Wstęp**

Celem tego projektu była implementacja wskaźnika giełdowego MACD oraz ocenienie jego skuteczności na przykładowych danych. Wskaźnik MACD jest różnicą dwóch średnich kroczących, 12-okresowej i 26-okresowej. Porównywany jest on z wskaźnikiem SIGNAL, będącym średnią kroczącą z 9 okresów. Analizując oba wskaźniki można wskazać optymalny moment na zakup lub sprzedaż akcji.

Projekt został zrealizowany w języku *Python,* z wykorzystanie biblioteki *pandas* do odczytu danych z pliku, modułu *pyplot* z biblioteki *matplotlib* w celu wizualizacji danych, biblioteki *numpy* w celu transformacji matematycznych, biblioteki *math* do podstawowych działań matematycznych oraz biblioteki datetime do konwersji typów danych. Do obliczeń zostały wykorzystane dane od 14 marca 2019 do 10 marca 2023. Dane zostały pobrane ze strony *stooq.pl*.

**Wyniki**

![Chart

Description automatically generated with medium confidence](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAeAB4AAD/4RDgRXhpZgAATU0AKgAAAAgABAE7AAIAAAAHAAAISodpAAQAAAABAAAIUpydAAEAAAAOAAAQyuocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAE1hY2llagAAAAWQAwACAAAAFAAAEKCQBAACAAAAFAAAELSSkQACAAAAAzYxAACSkgACAAAAAzYxAADqHAAHAAAIDAAACJQAAAAAHOoAAAAIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAyMDIzOjA0OjAzIDExOjQ4OjE3ADIwMjM6MDQ6MDMgMTE6NDg6MTcAAABNAGEAYwBpAGUAagAAAP/hCxlodHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLjAvADw/eHBhY2tldCBiZWdpbj0n77u/JyBpZD0nVzVNME1wQ2VoaUh6cmVTek5UY3prYzlkJz8+DQo8eDp4bXBtZXRhIHhtbG5zOng9ImFkb2JlOm5zOm1ldGEvIj48cmRmOlJERiB4bWxuczpyZGY9Imh0dHA6Ly93d3cudzMub3JnLzE5OTkvMDIvMjItcmRmLXN5bnRheC1ucyMiPjxyZGY6RGVzY3JpcHRpb24gcmRmOmFib3V0PSJ1dWlkOmZhZjViZGQ1LWJhM2QtMTFkYS1hZDMxLWQzM2Q3NTE4MmYxYiIgeG1sbnM6ZGM9Imh0dHA6Ly9wdXJsLm9yZy9kYy9lbGVtZW50cy8xLjEvIi8+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczp4bXA9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8iPjx4bXA6Q3JlYXRlRGF0ZT4yMDIzLTA0LTAzVDExOjQ4OjE3LjYwNTwveG1wOkNyZWF0ZURhdGU+PC9yZGY6RGVzY3JpcHRpb24+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iPjxkYzpjcmVhdG9yPjxyZGY6U2VxIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpsaT5NYWNpZWo8L3JkZjpsaT48L3JkZjpTZXE+DQoJCQk8L2RjOmNyZWF0b3I+PC9yZGY6RGVzY3JpcHRpb24+PC9yZGY6UkRGPjwveDp4bXBtZXRhPg0KICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICA8P3hwYWNrZXQgZW5kPSd3Jz8+/9sAQwAHBQUGBQQHBgUGCAcHCAoRCwoJCQoVDxAMERgVGhkYFRgXGx4nIRsdJR0XGCIuIiUoKSssKxogLzMvKjInKisq/9sAQwEHCAgKCQoUCwsUKhwYHCoqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioq/8AAEQgCggNwAwEiAAIRAQMRAf/EAB8AAAEFAQEBAQEBAAAAAAAAAAABAgMEBQYHCAkKC//EALUQAAIBAwMCBAMFBQQEAAABfQECAwAEEQUSITFBBhNRYQcicRQygZGhCCNCscEVUtHwJDNicoIJChYXGBkaJSYnKCkqNDU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6g4SFhoeIiYqSk5SVlpeYmZqio6Slpqeoqaqys7S1tre4ubrCw8TFxsfIycrS09TV1tfY2drh4uPk5ebn6Onq8fLz9PX29/j5+v/EAB8BAAMBAQEBAQEBAQEAAAAAAAABAgMEBQYHCAkKC//EALURAAIBAgQEAwQHBQQEAAECdwABAgMRBAUhMQYSQVEHYXETIjKBCBRCkaGxwQkjM1LwFWJy0QoWJDThJfEXGBkaJicoKSo1Njc4OTpDREVGR0hJSlNUVVZXWFlaY2RlZmdoaWpzdHV2d3h5eoKDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uLj5OXm5+jp6vLz9PX29/j5+v/aAAwDAQACEQMRAD8A+kaKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigArhdQ+It3P4ivNE8E+G5/Ed1pzBL6f7SltbW7/8APPzGB3OO4AOPzx3VeY/ALH/Cu7rzv+P/APte7+3Z+953mc7vfbtoA6rwx4l1XV725sNf8MXehXluiyAvMk8Eyk4+SVeCRjkEAjIrpKwfHGtXHh3wFresWShrmysZZosjIDhTtJHoDg14Zb6TZXvg6O+j8F+PLjxbPaiePxCB8xuSu4Op8/8A1e49Nv3e2aAPpGivFvFlrqXiXWPhNBrrXGnaheC4+3iJjFIrfZlMqAjld2GXjkbuK0bfw9p/gD42+HrLwtHJZWGvWN2t5aCZ3jd4QrrJhicNzjPp9TQB6xRXiOvWPh/xh4n1mTRvh9qviqe2umtrnUzqn2aOKZQAUhLyAfL/ALIHPrnJ7D4K6xf6z8L7KTVpZZrq2mntWkmcO7CORlXcw4YgYGe+M0Ad9RXI/ETRvBl3oR1jx/ZW9zZ6UjujzFvk3bchQCMliqgDucVyHwv8E2PheHWPHmpacnh5L61Yw6fGWxY2S/Pl+pMh2hj6YxxyAAeu0V8069Y2Y8F3Hirwb4A1vTPIh+12niSfV1SbA5EjRvIWdWHbByDxXbeP4pPFOsfC4S3EtodRmkkme2co4VrcM6qw5XIyuRyM8c0AewUV4rqXgbTtD+L2ieH/AA/Ld6Zomv2Vw2qWVvdSBbjycMPmJ3KTkAkEErkdzWx4W0i08F/HS98N+HlkttGvvD41JrMys6RzrceWWXcTjKnn/wDVQB2HgrxX/wAJho91f/Yvsf2e+ns9nm+Zu8p9u7OBjPXHb1NdFXzj4M1i/wBau5fACXj6BY3+qahPPqGdst6omIa3t26BsfeJ5A6D17D4leGLKzk+Hnh7Qw2k2a6yIU+yHY0aeW27a3UMRn5uuTnrQB69Wbp9/qVzrOqWt7pJs7O1eMWl2Z1f7YGXLHaBlNp+XnOetebz+GtN+H/xi8HjwpHLY22uC8ttQtxO7pPsi3o5DE/MG79f1pLHVpdB8VfGPV7ZA81hFb3MakZBZLMsM+2RQB63RXzbp2m2Gr+DYdSu/Bnjq/8AFN5ai5XxDEBuE7LuV4yJgBGCRgbR8uOK63V73XfE7/Dnwl4kkutMOtQTT60kbGGWcwRAmLK4IDHJYDsaAPZazfD1/qWp6FBd63pJ0e+kL+ZZGdZvLw5C/OoAOVAb2zjtWb4b+H3hrwhfyXfhvT2sHli8qREuJGRxkHJVmIzx168mvNvBepaNpn7Lumt4jS8ns7ieaAW1i7LPcyNeybY0KkHLEY6jjNAHttFfPi29x4O8beE9Q0bwPfeEINQ1aLT7hpNVSaO8jlBG14g7EMMbg3bHPOK+g6AOY8D+M18X6Fe31xZjTZ7C+nsrq3M3mCJ4jz821exB6d6ofDP4jx/EbTdQuRpj6ZJZ3CoIXl8wvE6B45PurjcCeOenWvPNe1WTwXq/xW0mDKvqlrDf6eg6tJc4gcj38x1/KtS8mi+E/iW8ERWO2m8HK0R7SXNkNij6lJFoA27v4vfZ/hz4l8XxaH5tto2ptYwR/a8fbFEqR+bu2fIMuTjDfd610/jDxpY+DrS1+0QXF9f38vkWOn2ibprmT0A7AdSx4H5CvJvE2inQf2LzaSAiV7W1uZc9d8t1HIc+434/Cuu1rH/DTPhr7Z/qv7Dufse7p52878e+z9KAL0njrxlp8P2vWfhteR2KjdI1hqcN1Oi+vlADP0Umt3xP4g1rSbm1tfD3ha512edWZnFwlvDCAR9+Rs8nPAAJ4NY/xL8S+LfCGk3WuaHZ6Lc6TZWwkuBeSyrOX3EEKqrtIwV6kd66ibXrPT/C41zWbiOztY7ZZ55HPyoCoP49cAdT0oAwfCvj6XWfEt34a1/RJtB121gF19ledZ45oSdvmRyLgMAeDwP0OKmpfETUZPE2o6L4N8LTeIZNJCi/n+2pbRxOwyI1LA73x1HGPWs/wDY6h4r8bXnxI1e2ext7izFho1nIMSC137/Ncdi55A7A9+DSfBX/AFfjfzv+Pr/hLL7zs9f4Mfh1oA7Pwl4psfGPhyDV9NWWJJGaOWCZdskEinDRsOxBH9a2q83+EH/H1488r/j2/wCErvPLx03YTdj8a9IoAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKK5aX4m+B4LiSCfxXpEUsTtHIj3aKysDgggn1FAHU0Vyn/AAtLwH/0OGi/+Bqf40f8LS8B/wDQ4aL/AOBqf40AdXRXKf8AC0vAf/Q4aL/4Gp/jR/wtLwH/ANDhov8A4Gp/jQB1dFcp/wALS8B/9Dhov/gan+NH/C0vAf8A0OGi/wDgan+NAHV0Vyn/AAtLwH/0OGi/+Bqf40f8LS8B/wDQ4aL/AOBqf40AdXRXKf8AC0vAf/Q4aL/4Gp/jR/wtLwH/ANDhov8A4Gp/jQB1dFcp/wALS8B/9Dhov/gan+NH/C0vAf8A0OGi/wDgan+NAHV0Vyn/AAtLwH/0OGi/+Bqf40f8LS8B/wDQ4aL/AOBqf40AdXRXKf8AC0vAf/Q4aL/4Gp/jR/wtLwH/ANDhov8A4Gp/jQB1dFcp/wALS8B/9Dhov/gan+NH/C0vAf8A0OGi/wDgan+NAHV0Vyn/AAtLwH/0OGi/+Bqf40f8LS8B/wDQ4aL/AOBqf40AdXRXKf8AC0vAf/Q4aL/4Gp/jR/wtLwH/ANDhov8A4Gp/jQB1dFcp/wALS8B/9Dhov/gan+NH/C0vAf8A0OGi/wDgan+NAHV0Vyn/AAtLwH/0OGi/+Bqf40f8LS8B/wDQ4aL/AOBqf40AdXXC6h8Oru38R3mt+CfEk/hy61Fg99B9lS5trh/+enlsRtc9yCM/nm//AMLS8B/9Dhov/gan+NH/AAtLwH/0OGi/+Bqf40AGi+Dr2FdRPi3xFc+JH1CD7NLFLCkFukRzlViToTnBJJJ4rHsvh74q0W0TTPD/AMQrq10iEbLe3uNMhuJoI+yLKxGQBwMqcDFbH/C0vAf/AEOGi/8Agan+NH/C0vAf/Q4aL/4Gp/jQA/UfBj6h4g8J6pJqkjP4d80t5sQZ7syQ+WSzAgKf4jwc+1Tar4U/tPx54f8AEn23yv7GiuY/s/lbvO85VXO7Py42+hz7VW/4Wl4D/wChw0X/AMDU/wAaP+FpeA/+hw0X/wADU/xoAyE+GmradqWqDw54zu9J0jVbp7u5sUs45JEkk/1himblM/Q47Vt/D7wXH4C8KrocF4buJLiWVJDHswHYsFxuOcZxnPNR/wDC0vAf/Q4aL/4Gp/jR/wALS8B/9Dhov/gan+NAFL4g+AdR8a6ho1xZeIU02LSpmuBbTWAuoppeNjspdQSvOM561a0/wt4int9QsvGPimHXNNvrOS1e2i0tbQjeMFt4ds/LuGMd89qf/wALS8B/9Dhov/gan+NH/C0vAf8A0OGi/wDgan+NAHLXXwg1q/8AB8nhW/8AHl3NoiQeRa2/2CNXQKMRiSQMDIq4BwNucDPHFdPdeBftN74OuP7R2/8ACMZ+XyM/acw+V/e+T1/i9Penf8LS8B/9Dhov/gan+NH/AAtLwH/0OGi/+Bqf40AWdS8Kf2h4/wBE8TfbfL/sq3uIPs3lZ83zQBndnjG3pg59qD4Uz8Tl8X/bemjnS/snleswl8zfn2xtx757VW/4Wl4D/wChw0X/AMDU/wAaP+FpeA/+hw0X/wADU/xoAzLb4T6afBd54f1W6e687UJtQt7yKPyZbSV33K0ZycMp7559O1W5/A+paknhWTW/EC3l54fvPtL3K2Xl/a/kKgFd52nB5Izk9hVj/haXgP8A6HDRf/A1P8aP+FpeA/8AocNF/wDA1P8AGgCzrvhT+2vF3hrXPtvkf2FLPJ5HlbvP82PZjdkbcdehz7VHpXguGw8SeKtTubhbyHxG0PmWrQ4EapF5ZUnJ3Bh7D05qL/haXgP/AKHDRf8AwNT/ABo/4Wl4D/6HDRf/AANT/GgDhvEejeIPhlo1hDofjyex8PSX0doqXunx3H9nRNklvOPOxQuBuB5KjPeuy1rwXa+LvDehyw63dJqOmrHcadrkYUy7igBcjG1g4wWXABqf/haXgP8A6HDRf/A1P8aP+FpeA/8AocNF/wDA1P8AGgCfw3oXiXTr6S48SeLW1tDF5ccCafHaohyDvO0kk8Y645PFYNt8JoI/hRY+DZtXmMun3DXdrqUEQjeKbznlRwhLDjfjGefbtr/8LS8B/wDQ4aL/AOBqf40f8LS8B/8AQ4aL/wCBqf40AYN58LtZ1rVdD1PxL40m1K60XUYryFV09IYiiHLJsVvvMdvzknAXAXk16TXKf8LS8B/9Dhov/gan+NH/AAtLwH/0OGi/+Bqf40AZnjH4WW/i3x/oPid9Sa1Ol7BPbCDeLtElEqKW3DADDPQ074o/DCL4l2WmwNqj6Y9lMzGRIfMMkbgB4/vLjOF556dK0f8AhaXgP/ocNF/8DU/xo/4Wl4D/AOhw0X/wNT/GgCXx74NTxt8P77wvFdjTkuliVZxD5gjEciOBt3Ln7mOo60/xj4KsfGNra/aJ7ixv7CXz7HULR9s1tJ6g9wehU8H8jVf/AIWl4D/6HDRf/A1P8aP+FpeA/wDocNF/8DU/xoAw9R+HHijxFpsmkeKPiDNe6TOAtxBbaTDbyTKDnBky2Og6AVY8ffDa98ZLosFj4hXTbDSmD/YprEXUVw64CM4LrnaB0ORzWp/wtLwH/wBDhov/AIGp/jR/wtLwH/0OGi/+Bqf40ASeHtF8W6fqRl8QeLrfV7Tyyoto9IW2IbjDbxI3TnjHesrUvh3qUfibUda8G+KZvD0mrBTfwfYkuY5XUYEihiNj46nnPpWj/wALS8B/9Dhov/gan+NH/C0vAf8A0OGi/wDgan+NAGj4S8LWPg7w5BpGmtLKkbNJLPM26SeRjlnY9ySf6VtVyn/C0vAf/Q4aL/4Gp/jR/wALS8B/9Dhov/gan+NAHV0Vyn/C0vAf/Q4aL/4Gp/jR/wALS8B/9Dhov/gan+NAHV0Vyn/C0vAf/Q4aL/4Gp/jR/wALS8B/9Dhov/gan+NAHV0Vyn/C0vAf/Q4aL/4Gp/jR/wALS8B/9Dhov/gan+NAHV0Vyn/C0vAf/Q4aL/4Gp/jR/wALS8B/9Dhov/gan+NAHV0Vyn/C0vAf/Q4aL/4Gp/jR/wALS8B/9Dhov/gan+NAHV0Vyn/C0vAf/Q4aL/4Gp/jR/wALS8B/9Dhov/gan+NAHV0Vyn/C0vAf/Q4aL/4Gp/jR/wALS8B/9Dhov/gan+NAHV0Vyn/C0vAf/Q4aL/4Gp/jR/wALS8B/9Dhov/gan+NAHV0Vyn/C0vAf/Q4aL/4Gp/jR/wALS8B/9Dhov/gan+NAHV0Vyn/C0vAf/Q4aL/4Gp/jR/wALS8B/9Dhov/gan+NAHV0Vyn/C0vAf/Q4aL/4Gp/jR/wALS8B/9Dhov/gan+NAHV0Vyn/C0vAf/Q4aL/4Gp/jR/wALS8B/9Dhov/gan+NAHV0Vyn/C0vAf/Q4aL/4Gp/jR/wALS8B/9Dhov/gan+NAHV0VjaJ4u8PeJZpovD+tWWpSQKGlW1mEmwHOCcfQ1s0AFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXD/DC1t5PCt40kETt/bOo8sgJ/4+5a7iuM+Fv/ACKd5/2GtS/9K5aAOs+w2n/PrD/37FH2G0/59Yf+/YqeigCD7Daf8+sP/fsUfYbT/n1h/wC/YqeigCD7Daf8+sP/AH7FH2G0/wCfWH/v2KnooAg+w2n/AD6w/wDfsUfYbT/n1h/79ip6KAIPsNp/z6w/9+xR9htP+fWH/v2KnooAg+w2n/PrD/37FH2G0/59Yf8Av2KnooAg+w2n/PrD/wB+xR9htP8An1h/79ip6KAIPsNp/wA+sP8A37FH2G0/59Yf+/YqeigCD7Daf8+sP/fsUfYbT/n1h/79ip6KAIPsNp/z6w/9+xR9htP+fWH/AL9ip6KAIPsNp/z6w/8AfsUfYbT/AJ9Yf+/YqeigCD7Daf8APrD/AN+xR9htP+fWH/v2KnooAg+w2n/PrD/37FH2G0/59Yf+/YqeigCD7Daf8+sP/fsUfYbT/n1h/wC/YqeigCD7Daf8+sP/AH7FH2G0/wCfWH/v2KnooAg+w2n/AD6w/wDfsUfYbT/n1h/79ip6KAIPsNp/z6w/9+xR9htP+fWH/v2KnooAg+w2n/PrD/37FH2G0/59Yf8Av2KnooAg+w2n/PrD/wB+xR9htP8An1h/79ip6KAIPsNp/wA+sP8A37FH2G0/59Yf+/YqeigCD7Daf8+sP/fsUfYbT/n1h/79ip6KAIPsNp/z6w/9+xR9htP+fWH/AL9ip6KAIPsNp/z6w/8AfsUfYbT/AJ9Yf+/YqeigCD7Daf8APrD/AN+xR9htP+fWH/v2KnooAg+w2n/PrD/37FH2G0/59Yf+/YqeigCD7Daf8+sP/fsUfYbT/n1h/wC/YqeigCD7Daf8+sP/AH7FH2G0/wCfWH/v2KnooAg+w2n/AD6w/wDfsUfYbT/n1h/79ip6KAIPsNp/z6w/9+xR9htP+fWH/v2KnooAg+w2n/PrD/37FH2G0/59Yf8Av2KnooAg+w2n/PrD/wB+xR9htP8An1h/79ip6KAIPsNp/wA+sP8A37FH2G0/59Yf+/YqeigCD7Daf8+sP/fsUfYbT/n1h/79ip6KAIPsNp/z6w/9+xR9htP+fWH/AL9ip6KAIPsNp/z6w/8AfsUfYbT/AJ9Yf+/YqeigCD7Daf8APrD/AN+xR9htP+fWH/v2KnooAg+w2n/PrD/37FH2G0/59Yf+/YqeigCD7Daf8+sP/fsUfYbT/n1h/wC/YqeigCD7Daf8+sP/AH7FH2G0/wCfWH/v2KnooAg+w2n/AD6w/wDfsUfYbT/n1h/79ip6KAIPsNp/z6w/9+xR9htP+fWH/v2KnooAg+w2n/PrD/37FH2G0/59Yf8Av2KnooAg+w2n/PrD/wB+xR9htP8An1h/79ip6KAOK0iKOL40eIVijVB/Y1gcKuP+WtxXa1xmmf8AJavEP/YFsP8A0bc12dABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVxnwt/5FO8/7DWpf+lctdnXGfC3/kU7z/sNal/6Vy0AdnRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAGBYeK4L7xpqHh1bd0lsohL5xbIcfLkY7Y3j681v185eKfFV3ofxS1K+02R1liuyrhXKh1UjKNjqDtGRXqvw/wDiVbeNWmtJrX7HqEKeYYw+5ZFzgsp9iRwfXvRWrYdVVShLW2vr1O+llGZfU3jatO0N09Nujtvb5eZ3FFFFBwBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAcZpn/JavEP/AGBbD/0bc12dcZpn/JavEP8A2BbD/wBG3NdnQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFczrJ8cvqUw8OjQIbKNR5ZvxNJJM2OQdhAQZ4z8x9qg0Lx9aaj8NF8X6pCbCGOOU3MQbfteN2jZVP8WWXC+uRQB1tFcF4F8dapq+g+I9Q8YWdtpr6LeSI8NuGJiiWFJcOSTlwGIJGBkcCqEPjvxXZ6PpXinXdO0uLw7qc0KtBCZPtVnFOwWKR3J2tyybgFGM98UAemUVxWp+JPEepeMr7w/4Mi0xG0q3ilvrrUxIy75clIlVCDnauSxJxkcVreC/EreKvDi3txbfY72GeW0vLYNuEM8TlHUHuMjI9iKAN+uM+Fv/ACKd5/2GtS/9K5a7OuM+Fv8AyKd5/wBhrUv/AErloA7OiiigAoopskixRNJIdqIpZj6AUAOorM0DX7HxJpYv9MZzDvZCJF2spHYj8j+NadOUXF2YoyUldbBRRRSGFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRXHaZ4hv7r4s6voskytYW1orxR7Rw2I8nPX+Nv0rsa0nTcGk+qv95nTqKom10bX3Hyx4t0u/uNc1nWY7WWSxbUZladVyqMXzg+nUYzTfC0l/4f1bTtdXzIIPOKqwOPNVSu9cemCB+Net+CtETxN8NtYsZZmg+3ag7+aq7ipHlsOO/K15df3Crplvpp3GSzuZ9xIwCG2AfqprbD5RQeMdW+z2/4Pqeri+Msa8ojgXBaxtzdbLS1u9uv4H0+CGAIOQeQRRVXTH8zSbR/70CH/wAdFWq5mrOx5qd1cKKK5+z8VJd+OtQ8N/Zij2cCzCffkPkKSMdvvj8jTjCUr26EynGNr9dDoKKKKksKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooA4zTP+S1eIf+wLYf8Ao25rs64zTP8AktXiH/sC2H/o25rs6ACiiigAooooAKKKKACiiigAooooAKKKKACiiigDy34j/Eaxt/EC+CYNdt9ClliEmpapO4Q2sLD7kWesrA8HooOevRb3TJNU0bwonw1ttL1jwvpUjSNbNfGFJpY8CLLhG3BW3MQerBSeleo0UAeMeD7bxD4htPibpF7plnaDULm7heSK9MhjuXt40EYBQZXBzvyOeMd6i1DxJaeLPhfo/gbT1m/4SOc2VpeWDQsJLLyZI2meTI+VQIzg98jFe2UUAeaHXNP8BfFPxRdeKJzY2OuxWlzZ3boxjdoovKeLIB+cbVIXqQ1avwrs7mLwzf6leW8tqda1a71OOCZdrxxyyEpuHYlQDj3rtqKAMPX/AAjp/iSeGW/n1KJoVKqLPUZrYEE55EbAE+5rD+Edulp4Hmtoi7JDq2oRqZHLsQLuUDLHkn3PJruK4z4W/wDIp3n/AGGtS/8ASuWgDs6KKKACquptt0m7Y9BA5/8AHTVqqGvNs8Oak3920lP/AI4aqPxImWkWeV/CPxS9vfR+GzbqYrl5JhNu+YMEBxj0wh/OvY6+RpdRubK4VrKZ4JVH+sjYqwyMYBHtTn8U6/JerdvrV+1wv3ZDcvkfrWeaZhQp4lwgrtb+p9Hw9wljcZgY16k1FS1j1dul+1/Vn1vRXL/DnxFc+J/BNpf3/N0C0UrgYDlTjdj3GPxzXUUQkpxUl1PFxNCeGrSo1N4tp/IKKKKowCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKz9f1ePQfD99qkqF1tYWk2A/eIHA/E4FJtJXZdOEqk1CCu3ojxfw/44t7L4i3/AIg1OKRYrpXTZENxUFlx1PYLzXvBOBmvjqS9nkmaQvgk5wBxX014U8Wxa18O01y9xAYYXFzgEhWQckd+cZx74qpY/D4yoo0U0137dD0cVw1mGTUPa4qUXFvpfRu71ukUfhCP+KG3f3rqQ/yrynxvoNzoPiq5hufLIuGe5i2HP7tnbGfQ8HivWfhIuPAMJ9Z5D+tSfEbw9p9/4dvdVltg99Z2rCKUE5C5ycjvjJ69MmvVp1/ZYuSezdj5Oph/a4ODW6VzofD7+Z4Z0t/71nEf/HBWjWN4QlE3grRmU5/0KJSR6hAD+orZrzKitNo9Wm7wT8grzPSZcfH7Vh/fttv5JGf6V6RcTpbW0s8xxHEhdjjoAMmvlrUfG2q3PjG58Q6fM1jcSyEoI8HauMAHPXgDNZSxtPCqXPd8ysrHr5fkGKzmf7hpKDTbd/PRWTPqmiuM+GPjGfxh4beXUFUXtrJ5UzIMCTjIbHbPOR6iuzpU5qpFSjszkxWFqYSvKhV+KLswoooqzmCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooA4zTP+S1eIf+wLYf+jbmuzrjNM/5LV4h/wCwLYf+jbmuzoAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACuM+Fv8AyKd5/wBhrUv/AErlrs64z4W/8inef9hrUv8A0rloA7OiiigBk8yW9vJNKcJGpdj6ADJrxnSvEMuv+IvGOpB5Fgl0a48uJjjCqFCZGSM4/Vj616z4gfy/DOqP/ds5T/44a8B0/Uo9Es7lZA5a/wBHe3j2j+J5c8+2Aa9PBU1KEn10R5WOqOM4rpqyzY/CTV/EPhuPWLO4t45ZTmK3lJG9PXcM4Oe36iqVt8K9Tj8Waboms3MNo9+ruGi/elFUMfYZO3171714Rt/svg3SIsYIs4yR7lQT+prnfFn+ifEzwlet92Rpbf6EjA/9DrzKmCoYnFTnNb3/AAR9XheJcyy/L6eGoyVo2V2rtJvb+kdVoOiWnh3Q7bS9OUiC3XALHLMSclj7kkmtCiobxpksZ2tV3TrGxjU92xwPzpJKKsjzZSnVqOU3dt6t92Y+ueMtC0Pzbe91a1gvFjJWEuCwOOMjt+Nc/wDDrxM8ngG61PX9QaZbW4fdNIS7BMKRnueWOPyr51uJpri6lmunZ55HLSM5+ZmJ5J9811nhTWIrHwf4isp5CHvUhSBACdxD5P5DNYZfjHiqjoOO/XtY+n4i4ahlOCWNhVu46NPZ37fPp2PpLTdTs9Y0+O902dZ7eX7rrkZ7Hg8g1arzr4MzSHwxfW8jEiG8O1Sfu5Vcj8wa9Frur01SqOC6Hx1Co6tKM31CiiisTYKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKxvF8UM3grWUuRmI2Uuf8AvgkfjnFbNcl8TdTj03wJeK5bfdkW8YA6k8nP/AVatKcPaTUH1InVdGLqRdmtV6niC/DHX5PDo1uP7MbHyGuCxlwwUZ/hx14r1Kzhs9F+AnlJIkfn2LsS7AGSR8k/Xr+Qrons/I+Ez2mOV0Yqf97yf8a+ZL6+ub2RBdTPIIV8uJWORGo6ADtXBUWHy9e1pxu3LTXoj7TBzzHip/VcTVUYQjd2Wrk9E7ff5eR9M/DWyey+H+mrMu15VabGc8MxKn8Vwa6O+tlvdPuLWQArPE0bA+jAj+teSfAfWb64j1LSp3eW0t1SWHcciIkkFR7Hrj2PrXsVdNPEfWF7ZK1z5zMMteWV3g5Pm5ba91Y4v4UXRn8CQwMfntJ5IWBPI+bdj/x6u0rz34dWi6d4t8X2aMSkd1GUz6EyH+or0KuvFJe2k111+/U8jCtujFPpp92g2SNJonjlUMjqVZT0IPUV8u6x4Nlt/G9xoemSK6fbVtoXlOMbz8u7/H2r6krwu/8A+SpTy/3deth/483+FZQwVHF3VXotD08PnuNyd82Fa952aauj03wD4NTwX4e+xGZZ7qZ/NuJVGAWxjA9gB/M98V09FFYwgoRUY7IjEYipiasq1V3lLVhRRRVGAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHGaZ/yWrxD/2BbD/0bc12dcZpn/JavEP/AGBbD/0bc12dABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVxnwt/wCRTvP+w1qX/pXLXZ1xnwt/5FO8/wCw1qX/AKVy0AdnRRRQBFdW0N7ZzWtym+GeNo5FyRuVhgjI56GvP/FPwot9VazbQpo7BbeLyTHJucFckg5yTnk9favRaK1pVqlJ3gzGrRp1laaI7eFba1igT7sSBB9AMVxPxT/0bS9I1RfvWOpRuT6Dk/zUV3Vcn8ToVm+HepbusfluvsRIv9M1eHf76N+/5k4lXoSt2/I6wHPSmTTR28LzTyLFFGpZ3c4CgdST2FVNEma48P6dM/LSWsTn6lAa5X4tajHaeCJbYzBJruRURM8uAwLfh0/Oop03OoqfmVUqqFJ1PI8kTRINc+ISM1u09le6u0ZaInDr5gLYI/2Wzkdua7Hxt8LZ4Jpb/wANQK9uTGiWEEZ3INu0nOeeQCe/zEnpW38Fl/4pa+b/AKfSP/HF/wAa9HrqqThhsQ5UYJPZ6bmaqYjHYSNPE1ZSjuk23bpoef8Aw2i/s7XPE+lSDa8N2sgH+y27H6Y/OvQK4S0/0D4330fRdQ05ZMf7S7R/JDXd1jidZqXdJ/gGF0g4dm1+IUUUVzHUFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRWfr+rx6D4fvtUmQutrC0mwfxEDgficCk2krsunCVSahBXb0RoUV8u6p8S/FmqzSvJrE9ukmR5VsfLVR6DHP45zUvgjxvrOh+JrP/AE64ntJpljnt5JC6urEAkA9GHUH+leasypuSVnY+2lwXi40JVHUjzJXtr+Z9OMwRSzkKqjJJPAFfPXxM+JJ8S3Z0zS44xptrNuScg7pmAI3ey8nA69/avWvibrkug+Ab+4tlzNMBboSOF38E/gM/jivl/rRjcVOi1Gm7PcvhXJKONjPEYqClDZJ9+ra+63zPobwN44/4TXwlqdldwRwX1pbFHWPO2RCpAYA8jpgj6eteL2Ojw6rqtral3je5uI4sqM8McE/XkV658GPCL6doFxrN26l9UjCxIp+5GCeT7k/oB615z4Sj3eMdFYj5TfxD8nU17eWUo4rCSWJjfr+Z8hn2LllWcOWVTcFtpt0utd1f/gHvnhTwjpfg/TGs9JRz5jbpZpTl5D2yfbsBW5RRXLGKiuWOxz1q1SvUdWq7ye7ZwvhT5Pid4uT1MLfof8a7quF8O/J8XPFKesULf+Or/jXdV1Yj416L8kcOG+B+r/Nmd4h1F9I8OahqEQUyW9u8iBhwWA4z7ZxXhEVxPqXh/WtcuH/02PUbafeo28nzOw6dR+VevfEu4W2+HupknBkVI1HqS6/0zXA3/g248MfDPV7i5uEl+2tayKiqQYwG6H3y+Pw967sE4xp3e7aX5HBjlOVSy2Sb/M9nRt6Kw6MM0tQWLb9Ptm/vRKf0FT15T0Z661QUUUUhhRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAcZpn/ACWrxD/2BbD/ANG3NdnXGaZ/yWrxD/2BbD/0bc12dABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVxnwt/5FO8/7DWpf+lctdnXGfC3/AJFO8/7DWpf+lctAHZ0UUUAFFFFABXNfEQbvh9qw/wCmSn/x9a6Wud8fjd4B1cf9MM/qK1o/xY+qMa/8KXoy94XO7who59bGA/8AkMVzHjJRcfEXwfAwDBZZpCD/AMBP/stdH4RO7wXop/6cYR/44K5XV9QtNQ+MXh6C0uI5ntVnSZUOdjBGOD78VvST9tJ9lL8mYVWvYxXdx/NHYaJoGn+HrSW20qEwxSzNMylifmOBxntgAYrSoorklJyd2dkYqKsjzfxKjx/G/wAOy7WVHtwocDAY5kyM/QjP1r0iuF8a/J4+8Gv63Eq/+gf413VdNZ3hTfl+rOagrTqLz/RBRRRXKdQV538VPiAfC9kmmaXIy6rcqJA64/cx7upz3OCB+J44r0SvC/jh4bu49et9chUyW90i27AclZFzgY9CP1B9q5sTOrTp81Lf7z3Miw2DxWNjSxjtBp9bXfRX0Oo+HHxVHiS5h0XWYvK1Exny7hT8twQMnIx8rYGfQ4PTpXplfOnwj8L32peN4b5o2httLfzJmbg7sEKuPUn9AfavoupwlSrUp3q7m/EeEwWExns8G9Laq97PXS/6BRRRXWfOBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVR1qxtdT0O9stQO21ngZJWzjauOv4dfwp+ranBo2kXWo3hIgtYmlfHUgDoPc9K+Z5/iN4kl/tBF1CVYdQfdIhbO0c/Kp/hGOOMZArCtXpUlao9z2sryjHY+XtMMtI9b213VvP+mczOsa3Ei27tJEGIR2XaWXPBI5x9K7b4S6VY6l47tP7QBfyd0sSZwDIo3KT6jgnHtXFGFiu9BlPXPSr4K2WiwXFpebbuaaWOVI3wUQImOnOG3uPfBrxsLTVObqVo6JNrp6W7/wCR+o5xWnisOsLgqtpykotqzsvtc3bS/Z3sj1vxXrp8feKoPB1nJLaWqXckV0wIPm7Odwx6bWwOnQn25OH4YKvxNTwzcagz22PMadI9rFNm7GCSAe2efX2rhtN1G60jUoL/AE+ZobmBw8bqeh/wPQjuK+qbXRLG61i28SS2zR6i1qqEFuFyPT1GSM+letSrYbH/AMSnZxXfr+B8Jj8LmfC8VHC4i8aju7paWSTsnf718zUsrODT7GCztIxHBbxrHGg/hUDAFcfoHww0nRpraeaaW7uLW5aeFz8g5AChh3xtznjn8q7aiu6FSdNOMXZM+MqQjVlz1FdhRRRWZZ53Z6nZ6X8bdYivZxC19DBHBuB+d9qYX2z716JXk3jnSLmz+KOja06qbS4vLZAwbkMrLkEfQV6zXXiVHlhJdV+Whx4Zy5pwa2b/AB1OE+Jf+n3Hh3Q/4b/UFMg/2VwD/wCh5/Cr3xQXd8OdS/2fKP8A5FSqWv8A7/4w+GYW5WO3mlx6Ha/P5qK0/iOu/wCHmqj/AKZofydTWkfdlRXz+9/8Azl70az+X3L/AIJtaM2/QbBv71tGf/HRV2vNtP1y+i8b+EdOju3SwuNFjklh42s3lyHJ9/kX8vc16TXNWpuEteup00aiqR06afgFFFFYm4UUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHGaZ/wAlq8Q/9gWw/wDRtzXZ1xmmf8lq8Q/9gWw/9G3NdnQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFcp4j8Kw39xd6rqPinXNNto4twSz1D7NDbKq8v8o57k7iR7VjeEbPVvHfw10G817W9Vs5SsjPJYSfZXvI95ETuQNy5QK2FIzu/CgD0SivM/DOu3eiXPjyH+0rrWtF8OosltcXknmSLKImeaAy9X2kL15G7BrHuP7d8PfDjTPiHP4k1S61Jvst5f2ctwTaSwzOgeJYfuptWThhzle+aAPZKK88uorzxr8Stb0eTWdS0zTNBtrZRHptybd5p5lZy7OvJCqFAXpkkmtT4bavf6loF9Z6xcG7vdG1O40yS6YANOIm+VyBxkoy5980AdfXGfC3/AJFO8/7DWpf+lctbet+LvDvhuaKHX9bsdNkmUtGl1OsZcDjIyeawPhLcQ3ngma5tZVmgm1bUJI5EOVdTdykEHuCKAO3ooooAKKKKACsTxnD5/gjWU9LORvyUn+lbdZviRd/hXVl9bKYf+OGrpu00/MzqK8GvIpeBZvP8CaO3pbKn/fPH9K8z8G2d5d/GCXUo7aV7Vb27Mk4U7FJV+CfXLD86l1q8mt/gf4ea2mkhc3f3o3Kngy+nuAfwrrPhT82i6tL/AH9VlP8A46n+Nem06NOpPu2vxPLUlWqUqb+yk/wO6oooryT2DhfH/wAnifwdL6akE/76ZP8ACu6rhfib+6Xw7df88dVi5/X/ANlruq6Kn8KHz/M5qf8AGqfL8gqG1vLa+h82yuIriPcV3xOGGRwRkVT8R6mmjeGdR1CRwgt7d3Uk/wAWPlH4nA/GvGvhv8TtK8M2Mml6pb3CxzXJl+0oAwTKqvK9cfLnjP0rmlUo043nKz6I9TDZfjsY28NScordrp5eb8lqe715d8QtXmu/H+g6AET7Ol1bzFsHcXZ9uPTGK9JlukbS3ureRXQwmSN1OQRtyCK+evDd/eat8QNGn1G5kuZvtcQ8yVtzYDZ616OBp8zlU7I8PH1HHlpdWzvIYtT8O/Grn93Ya1I5wGBWUBM5x2IY/qexr1GuB8ezxWHjPwjfXEixQxzyrJI5wFHyck/ia7uGaK5gjmt5FlikUMjochgehBrLENyjCdun5Oxth0oTnBPr+aTH0VFc3MVnaTXNy4jhhRpJHP8ACoGSfyFQ6ZqdprGmw3+ny+bbTglHwRnBweD7giuWztfodXMr26luiiikMKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooA5L4ogN8NdWUnG5Yx/5FSvnfVPC+raReRW15akPNALiMowYNGQTu46cA9eeK+hPio234d3w/vPEP/Iin+la82hWereHYra5iTzGsjAk+wF4gyYO0npSrYOhXpxlUvu9u2h6mV8QY3K51KeHSaaTtK++uujR8s3du8FrDjcY2JG4jgsAMj8M1URdzqvqcV9TW/gPRB4Sg8P39qt7bxEsXcbXLkklwRyDzjr04rj/EXwdsYdPt18KWp+1NcjzZLicnbGQQevGAcHjmuKtgI1sWuV2hoteiWh9NgOLVhMrlGtByr+89LWcpNu/lZv8ADQp+APhFAjnUfFME4nt7kiK0cjy3C4wxx94Zzx0OO4New0UV1xp04N8kbXPkMTjsVjGniajm13/4GgUUUVZyBRRRQB5d8bNdi03TtJt4eb77WLmPPRVQEc/UsPyNc54N+MGr3Hi6CDxHKktldkQARxqghckbX9x2PPQ57VufHXQftWlafrETfvbeQ27J/eVgSD+BU/n7V41ZaVczRy3O3ZFbbS5J55OBiuCosdOvGNNPl6aaeZ9zl8OHo5TOpiZR9pZuV3711e1lvttbfr1PetPmuvEfxglvorUJZ6Iklm8m8Hc3zDOPck/lXRePl3+AtXH/AE7k/kQa5f4MF5dF1S4lZnkluxvdjksdoJJPfrXW+NF3+B9ZH/TnIfyXNe9V93ERgvs2R+bUfew0pv7V2fMl3qkqyKpkeRo02As5+Vf7o9uenvXu3wv8f23ibTo9IliaC/sbZAdz7hOigKXB9c4yPfqa+fbyB1mZwCVbnIr0n4F6LJceKLvVWbZHZQbAvdmkzj8MK36V5GJxWNnjXTmvdT2tpbvc/QqOUZFSyCOJpSXtHFPm5tXLrG1++lraL7z3qiiiug+NCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooA4zTP+S1eIf+wLYf8Ao25rs64zTP8AktXiH/sC2H/o25rs6ACiiigAooooAKKKKACiiigAooooAKKKKACiiigDzHx9a+Ktd8VQac/ha61PwlbKs0sVre28Z1CbghZBJIpEan+HHzEc8Vd8X6h44vvB9nb+GPDN1YXV5KYrwJeW3n2UA4zGTJsLsOhBO30zivQaKAOK8L6UZfCN34Xn8JXXhzTfsrW6+ddQTGbzAwc5jdju5yS3UmubPh7xnq/gzTPAOraNDBZWzW8F5rS3iNHPbQOrDZGPnDuEUHcABk816zRQBweoaf4g8NePtT8QeHtG/ty01q2hS5tkuo4JIZoQyq4MhClSrYPOQR0NangDw9e+H/D9wdYMX9p6nfT6jeLC25I5JWzsU9wqhVz7V1FFAEclvDMQZoo5COhZQcVyHwsAXwjdhQABrOogAdv9Llrs64z4W/8AIp3n/Ya1L/0rloA7OiiigAooooAKzfEW/wD4RfVfJRnk+xzbVUZLHYcACtKinF2aYpK6aPlO88VX8uiwaI0gksrWUyRIVHysc55645P517B8D9Strrwre2sch+0xXZlkjI+6rKoUj1B2GvLPGvgnWdE8S3o/s+4mtJZ3e3njjLq6kkgZHQ46ivSvgt4R1LRYb7VdWgktTdKscMMg2sVByWI6jtjPv7VwxzDGVq7pz+Ft6W2/r8T7nHZFkmFyiOIw7/eJK0uZty2umr2+VtD1Wiiiu0+HOF+Lfy+Ebaf/AJ4X8Un6MP613XWuO+KsJl+Ht4wGfKkif/x8D+tdFoWpQavoNnfWj+ZFNECD7jgj6ggj8K6ZJuhF9m/0OWLtiJLul+px/wAaPMPw8eOInMl1GpUfxDk4/QH8K+cyrB9pUhgcYxzmvpH4qfvdK0e1/wCe2qRD6jDD+teafFS2Fn4/1GUJxKiSjA6/IAf1BrjqZXDFctRz5dHfS+iPq8n4qrZVTlhIUfaNyXLrbWStZ6PTRHrmlWsuifCqKC+kBkttLYyHOQvyE4z7dPwrz74PaHZ6lq15qF2heXTzE0AzwGbfyR3+7Xneo+N/EOq2KWV5qUrWiIiC3UBUwuMZA69Opr3j4Uf2ZP4Htr3TrNLaeYCO7IyTJIny5yfXrjtuNVg8woulOjTvf9Ec+e8OY7DVYY3E8ri272vpJ69jL+NNu0uhabKilit0UGBn7yn/AOJrovhvc/avh7pbE5KI0Z/4C7AfoBXTSxrNE0bjKsMGuJ+Ejk+CWgb71vdyxH26H/2au7n58Ly/yv8AO58x7PkxfP8AzL8rG94yl8rwRrLetnKv5qR/WvHrbWVsbfwIJLn7PFbSySytuwArXJDE+21T+Ga9V+I0vk/D3Vm9Y1X83Uf1r5fuZ5Z5AJXZhHlUUnOwZJwPTkk/ia5qmNjg8OpON22/y/4J72U5BPO8ZKn7TkjCKbdrvWWllddj6/s7y31Cyiu7KVZoJl3RyL0YVPXjvwG1i9nj1LSpneS0t1SWLcciIkkFR7Hrj2Pqa9irmo1VWgppWuPM8BPLsVLDTle1te91fboFFFFannBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAcT8W3CeAJ9xA3Txjk++f6V2FmyPYwNE6unlrhlOQePWvmv4peIbnXPHN9C07NaWMpt4Iw3yrt4Y49SQefp6Vv8AwN1m+i8UzaSru9lPA0jRk5WNlIww9OuPfI9K4lmKnNUOXRN6/wBeh9dV4SqUcC8wdT3uVNxt033vvr28j3uiiiu0+RCiiigAooooAKKKKAOD+MIz4GX2u4/5NXlmm6dJ/wAIDrWouCI/OghQ44Y7iW/L5fzr1X4vDPgQ+1zH/Wsa+sbi7+AtjFZW8k8mEcpEpZiPMOTgdetezhqnJQiu8jxMVT58RJ9om78KtFu9H8JMb+NY2u5vtEYDBsxlF2k4+h4rf8WDPgzWs/8APhP/AOizVnQ4JLbw/p0E6FJYrWJHU/wsEAIqXUrJNS0u7sZWZI7qF4WZeoDKQSPzrzZ1OatzvuenCny0FBdj5hn026ttNtb6aIpb3hcQOT9/YQG/U4/OvS/gg2LnWV9UhP5F/wDGusl+Guk3XhfTtGvJp5Bp7O0c6EKx3tuYY5GD/QVyXwfhl03xNrOn3yGC6SJQ0L8MCGPb8a9WtioV8PNLdf56Hk0MJUoYiDtp/wADU9drMvvEek6Zq1tpt/exwXV0peNHOBgZ5J6DODjPXFadfKHjTWL3W/GGo3OosxkWd4kjY/6pFYgIB2x/PJ718zicSsPFNq9z73JMllm1WUFPlUdW7X/C6+8+rwQwBByDyCO9FeO/AfWb64j1LSp3eW0t1SWHcciIkkFR7Hrj2PrXsVaUaqrU1NHFmeAll2LlhpO9uvqrhRRRWx5oUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBxmmf8lq8Q/8AYFsP/RtzXZ1xmmf8lq8Q/wDYFsP/AEbc12dABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVxnwt/5FO8/wCw1qX/AKVy12dcZ8Lf+RTvP+w1qX/pXLQB2dFFFABRRRQAUUUUAFFFFABRRRQBzfxCjaT4f6sqKWIhDYAzwGBJ/IZrI+EmsW174PTTYRILjTiRNuXg+Y7spB78Z/Ku1vYPtVhcW/H76Jk59xivn/wR8QLPwM+pR3dlPdSXDRDbGwATZvzknv8AMK6XWpQwkvaO1mrf16EYfA4rF46McNBybTvbol59NbHVeJfFP/CQfEjS9FihT7NYarEBKDkuwYBs/Q5Fa/xH8HHUZ7rxCZ0ENtpkkbwlfmZtr4Of+Bf+O+/Hnfgq6j1n4oWdzCGCy3rzBW6j7zc17h4xG7wTrI/6cpT/AOOGumpOmnTVJ3i1999zjjSr0Z1fbpxqQl6NNar/AIB87aZ8P9U1fW7XTbOe1L3Nqt0HZyAiH+9xnPt9K+ivCnh2Dwr4btdJtnMohBLykYMjk5Jx9f0xXmfwh0rUZtfk1mWFvsS27W6zMcbmG0AAdTgDr04r2SvNqYGhhKzVI+grcRZhm+GjHFNWT6K1/N/8DQK4X4a/uJ/Etj0+z6rIcfXj/wBlruq4Dwtcw6Z488ZLcypDF50UpZ2CgE7j1P8AvV0U/wCFNen5ni1E/a07d2vwIPGEU3jPxrb+E7a7NvaWsBubx0+bJ4wCM9sr1/vZ7VxVj8N7HxD4/wBd0w3UtpHaOzoyKGyN2MEH2Ndj8HtIxp95r0svmS3rmMAj7oByTnvkn9Kk8JKV+MHifg42Z/8AHlrorU6dSE6MldRX431YsDjcVg60MTQk4Sk7P06J9PP1K3wks4PDlv4htbuaKN7W9EMszPtViu4dTjjOcfWvTY5EmjWSJ1dGGVZTkEfWvljx9LIfHmtxMWCLfSkJnj7x5xXT/BXxJcWHiwaPLMxsr5GAjZvlSQDIYehOCPfI9BXhPG03iPY04WW33eR93V4bxLyz+0q9bmqNczv2eu990vK3RH0FRRRXafHBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUVDd3cFjaSXV5KsMES7nkc4CijcL21Z8t+NtAn0TxtqFjnz905eMxncSHO5QcdGwRxXqnwW8HahoqXusavbPayXKCGCKVdr7M5ZiDyMkLj6fSqnheGy8RfGfVLqQJdQwGS4gYNlcq6qrDHXrkV7DWE8tp4aspJt6Xt2ufR1OLcVmOAeFnBLo2uqXl0v1/QKKKK3PnAooooAKKKKACiiigDlPiPo99rnhB7TS4PPuPORggYDIB56/Wtnw7pj6N4bsNOlYPJbwqjsvQt3x7ZrSorR1JOmqfS9zJUoqo6nW1gooorM1OQ+KWr3ui/D+9udNZo53ZIvNQ4MascEg9j2z718zQ3M9vcrcQTSRzo29ZUYhg3qD619f6lp1rq2mz2GoQrNbXCbJI27j+h968Zsvhboi/FKbRbia6lsIrUXSIXAZjlRtJA6cnpg+9ebisHWxE+ansl9x9zw7n2X5ZhZ0sSmpN9Fe+m3576Hq3hDUrnV/B2l398MXFxbI0hxjccfe/Hr+NeFfE+PSb7xzdy6QChHyXRCkBpgxDHB+g5HU5Ne2+L9Xl8K+DZrzS4YQ1sI44o3X5FBYL0GOgrwqC1k13+3tVkhOIYzckg8I7yrx78Fvyr38HgqVaneurpafM+BxWcYnBYlzwEnTk7vTtrp2Pc/A3hjTPDPhyBNLjbddIk00shy8jFe59Bngf/AF66OuT+H3iiHxHoflxQPC9gscDbjnf8v3v0PFdZXJKl7GXs7WsbPEzxb9vOXM5bthRRRUiCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAOM0z/AJLV4h/7Ath/6Nua7OuM0z/ktXiH/sC2H/o25rs6ACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigArjPhb/wAinef9hrUv/SuWuzrjPhb/AMinef8AYa1L/wBK5aAOzooooAKKKKACiiigAooooAKKKKACvknxTpsukeK9Tsp+WiuXAb+8M5B/EEV9bV4pe2CXfxo1SOeJZEWOaQq65H/HucH8yDUTwKxkWuazirnr5VxBLJKvP7PnU7Jq9n5O9n9xl/Bfw3qF14mi11YgNPtGkRpGYfM5jI2gdf4wc9K9r8TxPN4R1eKJS7vYzKqqMknYcAVyPwX/AORMu/8Ar/f/ANFx16FWyo/VWqSd+X/O5wY7MHm1aeMlHl5+m9tEl66I5H4X2str4AslnjaJ3aR9rrg4LnBx9K66iiipPnm59zjpw9nBQ7BXy/8AE+eSX4kawJFKBZgoU+gQAH8Rz+NfUFfPvxg0V4/H091Lwt5FHJGVPYKEIPvlT+YrnrYWti4OnSevbv5fqfQZHm2DynF/WMWvdta9r8rfX9NNdSb4G6xfQ+KptJV3eyngaVoycrG64w49PT3yPQV7wlvDHPJNHDGssuPMkVQGfHTJ74rlvAfgfSvCWmrPZCSW7uolM08pBbGM7RjoM/8A1662s8LSnRpck3qGfY7D4/HOvh1aNl833PnT4iWNi/jTXvPMqXfnRtAVxtIKjcG98EEfQ1h6Nqul+H7nTrsQSz31rfiaYg4DRLsIUe+Q3b0rsPilpM1r8QGuJNpi1ARvHg+iqhB/EZ/EVwvi/Qbrw74ovbK7haNRKzQttwskZPysvtj8uldOZyhhKdOvQgueW77aW9Ls6OE41c4qVsvx1aTpQ2he19b772Xa9tux9K+FPF2l+MNMa80l3HlttlhlGHjPbI9+xFbleO/AfRr63j1LVZ0eK0uFSKHcMCUgklh7Dpn3PpXsVc+HqSqUlKW5w5zhKODx1ShQd4r/AC2+QUUUV0HkhRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRVe11C0vnmWzuYp2t5DHKI3BMbDqD6GnZiuixRRRSGFFFFABXE/Fq7+zeAZov+fmeOL8jv/wDZK7auD+Lcaz+H9Lt3ztl1SJTj0KuP610YW3to37nNir+wlbsUfgtYxL4fvb4xL50lyYhJt+baFU4z6ZNelVleHPD1p4Y0ddOsDI0YdnLykFmJ7nAA9B+FatLEVFUqymisPTdKlGD3QUUUVgbhRRRQAUUUUAFFFFABRRRQAUUUUAFecavqSaP8cNPaSNmW9s0t8qful3YA/mBXo9eV+Nhn40+G/wDctz/5GeuvCJOck+zOPGNxhFrujoviscfD2895Ih/4+K5rw7ZxD4F6pKsSCSZJmdwoBbaeMnvjFdF8WTjwBP7zRj/x6tDVNKttO+Guo2GnQCKFNPmKxrk8lCT15JJranPloRj3l+VjGpT5sRKXaP53OJ+CV6RNqtiVGCqTBu/GQR+or1uvF/hxE+h+J9EkcMia1Yyg7hj5lkYj/wAdRcf71e0VGPS9u2uv/DfoXl7fsFF9P+H/AFCiiiuE7wooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDjNM/5LV4h/7Ath/wCjbmuzrjNM/wCS1eIf+wLYf+jbmuzoAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACuM+Fv/Ip3n/Ya1L/0rlrs64z4W/8AIp3n/Ya1L/0rloA7OiiigAooooAKKKKACiiigAooooAK46fwjLF471HxIZ4zbz2Jj8vB3h9gX6YwvX36V2NIQGUqwBBGCD3rSFSUL266GdSnGpbm6ann3wYGPBl1737/APouOvQqp6XpNjotiLTS7ZLaAMW2LnqepyeauVVaoqlRzXUmhTdKlGD6BRRRWJsFeZfGqwibRdP1Hb++juPI3eqspbH5r+pr02sbxT4ZtfFejiwvZJIlWVZUePqrAEd/YkfjW+HqKnVjN7HPiabq0ZQW5pWQ26fbj0iUfpU9IiCONUXooAFLWL3N1ojmfEng2HxJruk39xPsisHLSQ7M+cMggZ7DI59jWV8X41bwXHIyKxivI2GRnHDCu7riviym74f3B/uzRH/x7H9a6aE3KrCMtkzmrxUKU5w0bR2gACgKABjgClqK1fzLOF/70an9KlrlOrcKKKKACiiigAooooAKKKKACiiigAooooAKKKKACvHvhteyL8UNYhVyIrnzmZOzESZB/DJ/M17DXgHgjWrDSfiQbrUryG2hkMys8jYCk5xn05rtw8oRo1HN20OStSq1a9KNKLk79E3pp2Pf6KZFNHcQpLBIssbgMjowKsD3BHWn1xHY007MKKKKBBXkHxX8daUL+y0m28y5uNPvUnuNgG1doPyZ7tz+Fdn8SfFEvhTwbNd2bBbyZxBbkjO1jklseygn64r5immkuJ5Jp3aSWRi7uxyWJOSSfWvPxWOnh5JUviPtOHeHKOZ05VsX/D2STtd/5fqfVvhTxdpfjDTGvNJdx5bbZYZRh4z2yPfsRW5XjvwG0e+gj1LVZkeO0uFSKLcMCUgklh7Dpn3Poa9irow9SVSkpS3PCznCUcFjqlCg7xX+W3yCiiiug8gKKKKACiiigAooooAKKKKACiiigArz7xzZwp8QfCN8F/fSXPks2eqqylRj6u3516DXm/xZvZNMufD1/CFaS1uJJUDdCQFIz+VdWEu6qS63/JnJjLKi2+lvzRofF048BuPW5jH867dRtQD0GK8f8UeJxrvwr0v+0biE6nd3G9okGCVV3XdjsOB+Oa9hp1oOFKMX3l+gqE41KspR7R/U4T4gAQ+IvCF0vylNSWPI/usyZH6V3dcL8Uf3dnoVz/zy1WLn8Cf6V3VRU/hQ+f5l0/41Ren5BRRRXOdIUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBxmmf8lq8Q/8AYFsP/RtzXZ1xmmf8lq8Q/wDYFsP/AEbc12dABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBmal4l0LR7hINX1rTrCZ/uR3V2kTN9AxBNXLm+tLOxe9vLqGC1Rd7TyyBUVfUseAK53xb/winh/Tr7Xdf0qznluAsLA2qyzXjkbUhUEZYnoF/8ArmvPtN8PXdjb/C/wl4miVoJJ728uLJ23orRo0kMJz94J5gGOR8ntQB7Bp2q6frFmLvSL62v7YkgTWsyyoSO25SRUEPiDRrjV30qDV7CXUY877NLlDMuOuUByPyrzrVZP+ET+I/ir/hH4ktUn8JNqbwwqFX7TE7or7Rxkrx77ay9Z0PTdE/Z40bW9NtYY9UsIrDUYb1UHmvO8kZdi3U797A567qAPXNU1zSdDjjk1rVLLTkkbajXdwkQc+gLEZNXI5EmiSSF1kjdQyupyGB6EHuK8+0qwtNe+M/i+TWbWG8/su0srS0SeMOsUciPI+AePmbgn/ZxU/wAJv9G0TXdKiz9j0nX72zs1zny4VcMqD2UuR+FAHeVxnwt/5FO8/wCw1qX/AKVy1r6/r+oaPPDHYeGdS1lZFLNJZvCojOeh8yRTn6ZrD+Ecz3HgeaaWB7d5NW1B2hkILRk3cpKnBIyOnBIoA7iiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigArkfiim74c6if7piP/kVR/WuurmPiQu/4eaqP9hD+UimtsPpWj6r8zDEa0Z+j/I29IfzNEsX/AL1vGf8Ax0VcrN8Ntv8ACukt/esoT/44K0qznpJmsNYoKKKKkoKKKKACiiigAooooAKKKKACiiigAoorlvEXxG8OeGL4WWpXjNdcF4YELmMH+92H06+1TKcYK8nY3oYetiZ+zoxcn2SuM8f+OrbwTpMbtGZ7263LbQg4GQOWY+gyPrn8R8wMxdizElmOST3r1L4xajpviSHRNX0O8W7jdJomCggptKnkHkH5uh9q83Gm3a+U89tNFFITtd0KhsYzgnr1H5ivHxUK+IrRhFXT27PzP0/h6WAyzLp4irJRmr899GrXsrPbTZdbnufwKuLyXwfdx3BZraG6K25btlQWA9snP1Jr06s7w/ZWun+HrG3sIEggWBSqIMDkZJ+pJzmue07X7+f4uatos04Njb2avFFtHDYjOc9f42/SvZw+HlGnyX+FH5pmmPp4rGSxEY2U3ov8/u18zsqR3WNGd2CqoyWJwAPWvMvix4o1XRNQ0u30m8e1G1p32fxkHAB9RweOhzz2rr9ZvftXw6vr1gF8/S5JMDoC0ROP1rpdCSjCT2keWsRFynBbxPOfi5qUPipdH0zQFN9M4a5jeJgQ4+ZdoHdsofyxzmvKdK0K+1bXoNJhiaO5mmEJEoK+Wc4O70xz+VbMWuDS77R7tT89jtYKOpxKz4/Wu2+GOhr4m1k+I5NSUXFreGWaEAF5CwyCR/CCxP15xjFY4zLcHOtrVs0tV1f+R9Rk/EmcYDLrRwzlTb92bTSV99dnre2vlc9j06xi0vS7WwthiG1hWJPoowP5VZooqErKyPClJyk5S3YUUUUyQooooAKKKKACiiigAooooAKKKKACvL/jX/x4aT/10l/9BFeoV5f8bf8AkG6Sf+msn/oIrswX+8R/rocWO/3aX9dTzS5PmRaCvpb7f/JiX/GvpuvmNBvuNEUf3AP/ACO9fTldeZfZ+f5nHlf2/l+Rwvxa48KWjf3NQiP/AI61d1XC/F7jwQrf3buM/o1d1XBP+DD1f6HoQ/jz9F+oUUUVznSFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAcZpn/ACWrxD/2BbD/ANG3NdnXGaZ/yWrxD/2BbD/0bc12dABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBwfiHwFrusePIPEln4ntoFs4vLsrO70r7QlqxHzyL+9UFz/eIyBxV7VPB2o63o2nf2jryrr+l3JubTVbWyEao2Cu0xF2ypRipG7n2rrqKAOW0DwY9hqGp6p4h1L+29U1OFbaaY24hjSBc4iSME4XLMTknJNY1r8L7uO10/Rr7xNNeeGNOnSa30xrRVkYRtujjkmzl0UgcbQTgZNehUUAclrfg2/n8TPr/AIY13+xNQuLZbW732i3MVwiklCULLh13MA2ehwRWp4V8NW/hTQI9NtppblvMeae5mx5lxM7FnkbHckn6DArZooAK4z4W/wDIp3n/AGGtS/8ASuWuzrjPhb/yKd5/2GtS/wDSuWgDs6KKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACuc+II3eANWH/TEH/x4V0dc/47G7wHq4/6dmNa0f4sfVGVb+FL0Za8KHd4N0Y/9OEH/osVrVi+Dju8E6Mf+nKIf+OitqlU+N+o6X8OPoFFFFZmgUUUUAFFFFABRRRQAUUUUAFFFFABXyV4tt7y28YarHqYb7T9qkZy38WWJBHsQQR7V9S69rdp4d0O51TUWIgt1yQoyzEnAUe5JAr5x8beOV8Z6tDdS6ZFapChjXD7nIznk4GfpXnY2NKo4wnPlfz/AEPt+FZ4zDurXo0HUjazs0nda6Xav5r0IPAXh9/E/iKLTDObeKQMzSbd2MDPAyPTFe1fFLw1DqPhEXkRZJdJQtEgPylCVDA/guR9K4r4NILjxa7jGy3sH2YHTLr/APFGvVvGMZl8E6wqgk/Y5SAB6KTXuUqcsG6VFSvy/q9T4nNMZHNsRXxcqfLzaW6+6klfz0PM/hZr09x4uu5NUvdkI01UPmSYT5DGik5PXGfxJ9aS41uOx+O8l6t0qWryJHJIH+QoYVHJ6Yzg/hXkN47NcMD0XgCpLHzrjdZQ4JnIwD/e6Dnt1rmlmkHjZ0ow0acV6+nyPfhwbUWUUsZUrpP3ZvTRRe+t90nfby8zu/iB480rxF4lWewjne2htWt1kZQu5iW+YDOccjrg+1ekajqEcnwJS5hkV1bTIYiynudqEfnkV84kEHBGDXpsOv6dZfAy30ltRikvbu5ZvsytloVEm75h2BwD77vrXFgMwq1qsaVZrlT9Lanq8ScL4TBYP6xgIyc5aWV5c109f+G0PPdTtbi0vWS7hkiZgGUOpGVPQj2r0D4GW94/jaee3DC1jtWW4b+E5I2j65GfwNey/wBj6B4l0KzW5t7PVLWOMLFKMOBgY+Vh06djWjpuk2GjWgtdKs4bSAHOyFAoJ9T6n3NZSwjlinXvo3f7wnxJFZQsvdK01FQfbRWvbe/l0Zbooor0D4oKKKKACiiigAooooAKKKKACiiigAooooAK8v8Ajb/yC9K/67P/AOgivUK8z+M6CTT9HU9GuWBx7gV14L/eI/10OPHf7vL+up5fpbrPrWixjkpLGhGO5mJ/rX05Xh3wctYZ/GNw08SSGG0Z4y6g7G3oMj0PXn3r3GunMp3qKPb9TmyyDVJz7/ocR8XFz4ClPpcRn9a7WJt0KN6qDXJfFOPzPh3qB/55tE3/AJEUf1rpNKk87RrKX+/bxt+aiuOWtCPq/wBDsjpiJei/Ut0UUVznSFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAcZpn/JavEP/AGBbD/0bc12dcZpn/JavEP8A2BbD/wBG3NdnQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFcZ8Lf+RTvP8AsNal/wClctdnXGfC3/kU7z/sNal/6Vy0AdnRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVjeL4vP8F6wn/TlKR+Ck/wBK2azfEYz4W1UetlN/6AaunpNepFTWDXkUPAUvneAtIb0twv8A3ySP6V0Ncv8ADc5+Helf7j/+jGrqKqtpVl6sihrSi/JfkFFFFZGwUUUUAFFFFABRRRQAUUUUAFFFFAHL/Ebw7c+J/BN3YWHN0pWWJCcBypztz7jP44r5vtfDOt3usNpdtpd096jYeHyiCnu2fuj3PFfXFcL4Z+b4reK29FhH/jo/wrmq4CGJbm3ay/X/AIJ9FlfE9fKaX1eEFJSel+jt+K0209Tk/grZvaeIdThlH7yC38tseu8Z/lXsxGRg8ivMPhlD5fjjxUv/ADznKf8AkR/8K9Pr08UlGpyx2SX5HymHqTqxdSe8nJv1bZ8v+JdEtotY1kW6mKO01BreNQcgLukwOfZKkSLTNI8BrM7oNVudRV4xnL+QiMM47Dece5HtXvviDwfpWt6bexNZQrc3H7wSgFSZVUhGYjk43H8zXzR4l0PUvD+tPZaxAYZgodRuDAqehBHB7/jmufG4mjQgsTSpr2l1q/Tc+n4dwuLzWo8rxWIl9XUW+VPfVWV2tle9vLRFG8cSSIyMGUr0Hbk8H3qvXbfC3wnB4r8STwalbNLYRW7NKwYrtYkBcEd85/AGt3S/h9ot38Ur7QJ0m+xW6sygS4bgLjJ/GvCjhcRmEp4jTu/+Aff1s7yzhyNLLWpPlSSsk9++q176dTR+AVxeGTWLfLGxVY3weiyHI4+oHP0Fe0Vn6JoOm+HdOWx0a1S2gB3ELklj6knkn61oV6mHpOlSUGz83zjHQx+NniKcbJ2/BW1CiiitzygooooAKKKKACiiigAooooAKKKKACiiigArzb4x/wDHjo3/AF9n+Qr0mvMfjbOLXRdKnI3bLokD1+WujDzjTqqcnZK/5GNahUxEPY0leUmkl3baMT4NYHjDUF7/AGRsf9/Fr2mvlnwl44vvCeuHUIIIrgSRmKWKTI3IWBOD2Pyjnn6V9N6TqUGs6Ra6jZkmC6iWVM9QCOh9x0rGrjqOMquVL8T1K3D+OyajBYpLW+qd/l6mN8Qo/N+H+rL6QhvyYH+lXvCsnneD9HfubGHP12CmeMI/N8E6yv8A05St+SE/0qv4Dk83wFpDeluF/Ikf0rb/AJh/n+h5H/MR/wBu/qdDRRRXOdIUUUUAFFFFABRRRQAUUUUAFFFFABXGeDPiJaeKpms5oTa32XZYgSysgxzu9eentXV6hciy0y6umBIgheQgdTtBP9K+Q47+7guRPb3EsEqn5XicqV+hFZVsVRw8HzxvJ7fqe1lGRYnN6rdKajCO91e99kvuZ9iUVwPwi8VX3iXwvMmqyGa5spfL85usiEZGfUjkZ+ld9Tp1FUgprqcGNwlTBYieHqbxdgooorQ5AooooA4zTP8AktXiH/sC2H/o25rs64zTP+S1eIf+wLYf+jbmuzoAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACuM+Fv/ACKd5/2GtS/9K5a7OuM+Fv8AyKd5/wBhrUv/AErloA7OiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAqhrwz4b1IetpL/6Aav1S1oZ0HUB620n/oJqo/EiZ/Czl/hbqllc+C7OwhuEe7tVYzRA/MgMjEfpXa14r8FW/wCKovl9bMn/AMfX/Gvaq6sZTUK8kuuv3nJgajqUIt9NPuCiiiuM7QooooAKKKKACiiigAooooAKKKKACvPvAs7XfxD8YyuACtwsXHorOo/Ra9BrhPhyoOseLJgBl9VcE464Zj/WumlpSqei/M5a2tWmvN/kVfh2v/FceNG9L4j/AMiS/wCFei1FFaW8E00sEEUck5DSuiAGQgYBY9/xqWs61T2k+b0/I0o0/ZQ5fX8wrO1nw9pPiC3EOs2EN2i52mRfmX6MOR+BrRorFpNWZ0wqTpyUoOzXVFPS9I0/RLJbTSbOK0gX+CJcZPqT1J9zzXB6RFt+PmtY7Wgb81i/xr0iuT0/w3fW3xT1TX5PL+xXVosUZDfNuxGMEf8AAD+Yrpw8owjNbaf5HLiuerOEnq+a7+5nWUUUVzm4UUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFeYfG+3N1oelwqQGe6IUn1216fXnHxg/wCPPRf+vz+lb0KcatRU57O6/AieIqYVKvSdpRaa9U0eV2/wp8YT6kLNtJaH5sNPJIvlqPXcDz+GT7V9F6BpMeg+H7HS4WLrawrHvI+8QOT+Jya0KK86hhYUG3HqfQ5tn2KzWMYVUko9F376tmfr8fneG9TiHO+0lX80NYvwzk834d6Wf7qyKfwkYV1EkayxPG4yrqVI9jXC/CJTF4VvYC7N5OoyxjcegCp09PX8TXpx1oSXZr9T5iWmIi+6f6HeUUUVzHSFFFFABRRRQAUUUUAFFFFABRRRQBn+IJfI8M6nKekdpK35ITXzVrPg86boOjaqlzuXVElbyimPK2MB1zzkEHtX0P44m8jwLrDdM2rp/wB9DH9ar+GtHsr/AOHmk2mo20c8UlkhKuvTeuTg9QeeorV0KFSknWjdX/Q2wuaY7AV5fU6nK3HXRNb6aP5nh/gjxD/whus/bUgNyrRmN037cgkHP6V9LV82eNdKXR/F19aw2zW1ssmIFIOCmBjBPX619C6RrWn67p/23Srlbi33FCwBGCOoIPI/+vXdjKNOFOnKlGyt/wAMeRhcVXr16rxEuabd3fq+v9dC9RWL4V8T2vizSXv7KKWFEmaErLjOQAe3swrarzpRcHyy3O+MozipR2CiiipKOM0z/ktXiH/sC2H/AKNua7OuM0z/AJLV4h/7Ath/6Nua7OgAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAK4z4W/8inef9hrUv/SuWuzrjPhb/wAinef9hrUv/SuWgDs6KKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACqmqjOjXo9beT/0E1bqvqAzpl0PWF/8A0E047oUtmeM/Bc/8Vjdj/pwf/wBGR17dXh/wZbHjS5H96wcf+Px17hXfmP8AH+R52W/7v82FFFFeeekFFFeO/ETW9T0/4k2yWGoXFsqxw/LHKQpyxJyoOCPUHrW9Ci60uVM58RXVCHM1c9ipGZUUs5CqoySTgAVGLq3N4bUTxm4CeYYd43hc43Y64z3rm/iXcfZvhzq0gcp8iKSD2Migj8iazjG8knpc2k3ytxV32OoV1eMOrBkIyGB4I9a8i8J/EC4vfHN7d67qP2fTmtZDHE7bY0AYbcDu2M89TXPaX8aLvSdDttLh0mKWKCDyvMeY7mODg9OB7e1eZu7O25ySa4pZpQoxlGC5m9O2nc+vwfBePxcoyxMvZJK/STbfTR9Ov9W+x7a4hu7WO4tpFlhlUOjqchgehqSvNfgfqt3f+Dri1uizx2Nx5cDn+6QG2/gT+or0qtqdRVYKa6nz2Owc8FiZ4ebu4vdBRRRWhxnkfxb+Imp6Jqkeh6FN9lfyhJcXCgF/mzhVz045z15HSue+Efje7tfFZ0q/bz4dWlLNKw+dZsEg57g9D9Qa3vjX4Tju5rDWbSQC9mkWzMGP9b1KsPcdPxHpzR+D/gCVtS/4SLVd0X2OV4obZkIYyAYLHPYbiPqPbnzZU8Yq/Or8l/lY++o4nIP7G9nPl9ryvS3v83ddf0se20UUV6R8CFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXnHxg/wCPXRP+vz+gr0evOPi//wAe+h/9fn9BXVg/48f66HJjf4Ev66no9FFFcp1hXC/DL9yPEVofvQ6rLkfp/wCy13VcL4L/ANG8feMLQ8briOYD/e3E/wDoQrop60pr0/M5qulWm/X8v+AbfjfWbnQPB17qNgUW5i2CMuu4As6qePoTTvCniez8S6VHJBcRy3cUMRu0RSBHIy5I57ZyPwNef/GnxTdWbDQYkiNtNAkzsQd27ecDrjHyj868u8O+NNb8L3rXGlXWwSFfNidAySgZwCPxPTB5rmxOJoYamoTT5nrp28/xPfynIMfmznXoNKnH3db6yWull5rVn1dRWfoGrx694fsdUhQot1Csmwn7pI5H4HIrQoTTV0eZUhKnNwkrNaMKKKKZAUUUUAFFFFABRRRQBx/xSuvs3w+vVAyZ3jiB9PnBP6A10uk2pstFsrVsZgt44zj/AGVA/pXIfF3nwZFH/wA9L2Nf0au6rplpQivN/oc0dcRJ9kv1PP8A4waZb3HhNNQkQ/aLSULGwPQOQGB/IVyHhHxRP4Y8D67atb7bpGjmhSZSuRKAu71xgKR65Fe13FvBdwtDdQxzRNjKSKGU456Gvn74m63bReOtagtz53mCGNyh4VkVcj6jGK1pYujCl7Ou7K9/xWn5hHK8ZjMRzYKDlK2y9Hq3t2O0+CVzM2m6tbMR5EcsciDvuYEN+iLXqNeR/Aq5SZdbCE/8sDg9v9ZXrlZYqpCpWc6bunb8i6GHrYamqNeLjKN0091qFFFFcxscZpn/ACWrxD/2BbD/ANG3NdnXGaZ/yWrxD/2BbD/0bc12dABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBxfjvxxq3gxRdW/hd9R0xPJE98b5IVjaSURhQmGZiCynpjnrWn4s8Vnw3/ZttaafJqeparc/ZrO1WURBmCl2LOeFUKpPQn0Fc78bb60h+Gd9bS3UKTvcWTLE0gDMBdxZIHXHB/I1X+Jl7o+r3vhLTNRuII9I1DUJC+rRT7TbSxxlo1jlB+Rnb5c56AjqcgA39A8azX2sanpHiLSf7F1HTbdLuRRcrPC8LbsOsgA6FTkED8aybX4oXUltYazfeGZ7PwzqM6Q2+ptdKZFEjbY5JIcZRGJHO4kbhkVzumadDH4j8deGPCt62rW15oQlku5ZhcTQ3biSNYWnPzMNuGAYnbzjGah1nXdN1v9nfRtF026hk1S/isNOhslceas6SRh1K9Rs2MTnptoA77W/GN/b+Jn0DwxoX9t6hb2y3V3vu1tordGJCAuVbLttYhcdBkkVp+FfElv4r0CPUraGW2bzHhntpseZbzIxV42x3BB+vBrldKv7TQfjP4vj1m6hs/wC1LSyu7R55Aiyxxo8b4J4+VuSP9rNT/CY/adE13VYsmz1bX728s3xgSQs4VXHsxQn8aAO8rjPhb/yKd5/2GtS/9K5a19f0DUNYnhksPE2paMsalWjs0hYSHPU+ZGxz9MVh/COJ7fwPNDLO9w8eragjTSABpCLuUFjgAZPXgAUAdxRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVDeDNjOPWNv5VNTJxm3kHqh/lTW4nseHfB448cOPWzkH6rXuleD/CE48dqPW2kH8q94r0Mx/j/I83LP4HzCiiivOPTCvC/ijz8QLiT/nhbQv+o/xr3Svm74ra083xD1SK1crGipA5x97aFJ/8eH6VpTxlPBP2lT00OjD5Lic6n9Ww9k1q29kv+HO9sNYs1+NWu6h9oU2sFk26TOAPLSMN19Cpritb+KM2veB7rRdTV57ye43i4VVRFjBVguB1OQfwx1ri11O6lhu0d2ke4T945PLDcGOfxFUK8zH5opxiqC0aWrWul1Y+74f4PVCpOePlecZOyi9NbNS7+no9x8UMs8ixwxvI7kKqopJY+gHeul8KeAda8TaxFbiyuLa0Djz7mWMqsa98Z6t6D+lXPAelXMPjTREu4XiMtxHOiuMEqDkHHvjP0r6YrOGVxVOnUk/iV7FZjxlVp4ivhaEF7j5VK99ba6eW3qjhPg+kcXgMQRoEaG6kSTjktwcn3wQPwru64P4XuiL4hs1YbodUkbZnlQeAf/HT+Vd5Xs14RhUcYqyPzWlWqV4KpVleT3b3bCiiisTU8/8AGFxHd/FDwrpjAt5LNcsp+7yflP1BjNegV5TK1xfftCIMPLFaAAELkRr5GefQbmPXua9WrrxEeWNOPl+Zx4aXNKpL+9b7kkFFFFch2BRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVzPjPwpJ4pj05YrlYPslyJX3LncvfHvxXTUVcJyhLmjuROEakeWWwUUUVBYVwtr/oHxuvUX7uoacshHoy4Gf/AB0/nXdVwt58nxy0/wD29KP/AKE/+FdFD7S8mc2I+w/7yOD+LFtJq3xDSwhBaWSKGGMDqWY8D82rC0z4VavqHi680Jrq1iNiVM8+SRtOCCoxknB6HH1rc8HaPd+KPiNJfSXX/HldC6leQks+1+FH5AewrvdD+T4zeJF/v2sLD/vlP8a0x2BoVrKfxRj09V/md2S8Q5hl0JRoNck5bNXto9V9y8vI6/SdNg0bSLXTrMEQWsSxJnqQB1PuetW6KK4kklZESlKcnKTu2FFFFMkKKKKACiiigAooqhqWuabo81rFqd3Hbvdv5cIfPzn+g5HJ45FNJydkJyUVdnKfFf5tB0uP+/qkQ/8AHXruq8c8YTN4m+Jmi/2K7X9t5ULgwksoAlbc3tjHJ9q9jrqrx5KUIvfVnJQnz1akltogr5P8Z6TeaL4w1K11AN5hneRXb/lorMSGH1B/PNfWFcrf+DF1H4g2viC4kiktre2MZtpI925sMAeeMYbP1FeZXwscTGzla39WPqclzueUVXNU+dSsmr2a8+v3HnXwDhkXV9XlJKp9njG0/wAWWJB/z617fWHpvhpNN8U6nrKXBb+0FRTBswI9oA6556VuVrTowowUIO/+fU4MwzCpmOKniakeVt7eS0X4BRRRVnCcZpn/ACWrxD/2BbD/ANG3NdnXGaZ/yWrxD/2BbD/0bc12dABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBk6t4U8O69cpca5oOmalOieWst5ZxzMq5J2gsCQMknHvT4/Dehw6OdJh0XT49NJJNktqghJJyTsxt689K06KAKemaRpui2v2bRtOtdPt87vKtIFiXPrhQBUUPh7RbfV31W30iwi1GTO+8S2RZmz1y4GT+daNFAFHVND0nXI449a0uy1FI23It3bpKEPqAwODVyONIYkihRY40UKqKMBQOgA7CnUUAFcZ8Lf8AkU7z/sNal/6Vy12dcZ8Lf+RTvP8AsNal/wClctAHZ0UUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFIwypHqKWigDwr4X2lzY/EG2S8gkgaS3lKrIpUkcjOD7qR+Fe61wup/L8btGP97TXX/wBGGu6rtxlT2koz7r/M4cFT9lCUOz/RBRRRXEdwV88/Ebw1PqXjjxLfad5axWIhlnRjgnciAke+TmvoavKLqL7VqfxGbrstk/8AHVJ/9lrSOGpYmLjVWmn5pG2HzXFZXWjWwrs3dO+qas3Z/NI8sm8OzaTo2nanPIj/ANoJI0ca5+QI23k+pOa553MkjOcAscnAwK968P8Agmy8Y/DnQWvbmeB7YThTFjkGZuuR/s1Pq3wQ0DUNSN1a3V1Yo7Zkhj2svvtyOP1FceZYOPsoUcP9lyuvnufV8N8ScuKr4vMnrUULNLRJJ6W6LX/M4D4WXdzqXxA0n7ZI832dXRWc5IVYnIGfbp+VfRNYWg+DNC8NiFtLsVSaKIxCdjl2BOSSfUnv+HTit2uiLfsoQlvFWPmMdUpVsbWr0Y2jOTaX3fnv8zw1vFF94B8ea+iWcU32m7LukjEfIWZ1wR0JVx649K9vgmS4t454jujkQOp9QRkV4j8aNMh0vxDBqvmszakp3R4+60aqvB9wR+XvXSfDn4n6VqNrp3h+7Wa2vY4lgieTBSYqMAA9jx0P55rqxmIwzUPeXO90cmX5XmM6dSrGk3SjfX8/Xz7HptUtZuHtNBv7mJ9jw20kitjO0hSQau1jeMJPL8E6y3/TlKPzQj+tYQV5pE1HaDZwXwZmnvtQ129vJpJ52EIaSRizNnf1J+gr1avMfgvp13a2Gp3VzbyRQ3Ji8l3XHmABiSPUfMOelenV041p4iVvL8jlwKaw8b+f5hRRRXGdoUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAV5/r13Bp/xk0m5vJVhhXTJN7ucAAeYa9Aryn41x+W2j3SDDFZ4mPqCFwP1NdeESlV5H1TX4HHjJOFLnXRp/iW/g5pm2y1PWGcN9qm8pFA5ULkkn67h+VaOn/u/jhqo/56aYrfkYxWv4AsYLHwNpgto9nnQrNJznc7DJNZEfyfHKX/b0r/2Yf4VrKfPVqvyf4WMYw9nRpLzX43O6ooorzz0gooooAKKKKACmTSpBC8sp2pGpZj6ADJp9U9YO3Qr8noLaQ/8AjpppXdhSdlcoaR4s0zWPDkmtxO8FnEWEpnXBTb1zjPbB4z1ryz40eILG7uND+wSrcg27zjaeNjkAH8dh468VijxDeaf8PLfSbUoIL6acz5XJIGzAHpXNeJVgni0uazkMrLZiOdMH926u3H0xtP41046jXwlJ1sPvf1su50cO/Ucyx8MLmDXI1fV2vLSyvf8ArY634N6rE3jyOG6fY8lrJHCCcgnIbA9OAxr6Ar54+E3g7VL/AMWWWsS2ssGn2hMvnyKVEpwdqrnrz1xxgV9D15uHxFfEQ56+57Of5fgMvxfssBpG12r3s/x8tAoooroPnwooooAKKKKAOM0z/ktXiH/sC2H/AKNua7OuM0z/AJLV4h/7Ath/6Nua7OgAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAK4z4W/8inef9hrUv/SuWuzrjPhb/wAinef9hrUv/SuWgDs6KKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDhda+X40eHT/es5l/8AHZDXdVwviL5fi74Wf1imX/x1v8a7quit8MPT9Wc1D4qnr+iCiiiuc6QJABJOAOprz/wDbx67L4p1SePdZatdGFUORujAYH8w4H4V0vjPUDpngvVbpVZmFuyLt6gt8oP4Fs/hVb4fWn2PwDpSbNpeHzT77yWz+RFdMPdoyl3aX6/5HLO068Y9k3+n+ZtaZptro+mw2GnxCG2hXCIDnHOTye5JJq1RRXO227s6UklZBRRRSGeL/H6xn8zR78Em3AkhI7K/DD8xn/vmvH7eeW1uYri3cxyxOHRx1Vgcg/nX1tr+gaf4l0eXTdWiMkEhBBU4ZGHRlPYivmvWPDlrpGpXsCyySG2vpbdA+OUU8E+9edPLK+Kr3pdfwPv8r4swOW5YqOLvzRvZJX5uvp16ntvwv8Taj4l0zUJtWmEsqXAKgKFCKy52jHYYPWtfx9J5fgHVz6wbfzIH9a4v4IP+61qM9mhYfjv/AMK6v4myeX8OtUPqI1/OVa+gqU1HFqC7r9D8wp1HPBub7P8AU0/CKeX4L0Zf+nGE/mgNbFUNBTyvDmmx/wBy0iX8kFX645u82ztpq0EvIKKKKgsKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAK83+NUO7w1YT4+5d7PzRj/wCy16RXFfFr7N/wr66a5kRHSWNoQzYLNuAIHr8paujDTUK0ZPa5hiKU61KUIK7fRG54PGPBOjf9eUX/AKAK56b5Pjlb/wC3pR/9Cb/CtfwLq2n6l4Q0yPT7yG4ktrOGOZI3BaNggBDDqOQa4b4r6jPofiy31C1Zklk0uWBXTqpO8ZH03Zp05pyqSjrpIqWHnzUqM1yvmitdLXaWozxn4wNt8QLy1t9ZCWv9lzwOiTfIsvlSEDjgPv2j1zxXZfDC7a7+H1gZJGkeNpI2ZmyeHJA/AECvmCvf/glepF4An+1zJGiX7IjSMFHKpgc+5rz8NmLxUXRcLWs9PLTX7z63POFqeUU44qnVcruzT81fTy02/Eh/4T7VVHjKdbiNksJFWyXyxhAZTGD75GDz3rqPh1r994j8LG81R1knW4eMsqBcgAEcDjvXhqaxbWema5bTyYkvRGI1AJ3FZQx/QGvVvgpfW9x4RuoIpVaWO8Zmjz8yqUXBI9Dg/ka9nFPDxUqcWudNaddkfFYXDY+UI4mdOXsmn71ny3u+ux6PRRRXmnaFZPiubyPB2sSdCLKXH12ECtavO/jRr8+keDUtLUYfUZfJd8fdQDJx7ngfTNTKrGivaS2R04XB1MdWjhqXxS01PJEhuNQ0+ws7OGS4m86ULHGpZjwh4ArrPBPgeO68a3+keI7UypZW+5wjsFDlk2/MMdQT+tecaFr194e1q21Owk/fW77gG5VgRggj3BIr6zs5Y7q1iu402faI1fkc4IyM/nXZSzr6zGUYRsGa8I1MnnCVWampeXZbND7e3itLaK3to1jhiQIiKOFUDAFSUUVynNsFFFFABRRRQAUUUUAcZpn/ACWrxD/2BbD/ANG3NdnXGaZ/yWrxD/2BbD/0bc12dABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVxnwt/5FO8/7DWpf+lctdnXGfC3/AJFO8/7DWpf+lctAHZ0UUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHC+Kvk+J/hJ/UzL+n/167quF8Z/J8QvBr+s8y/8AoH+Nd1XRV+Cn6fqzmo/xKnr+iCiq1zqVnZ3VtbXVzHFNdMVgjdsGQjqB+Y/MVZrCzOi6Zy/xIOPh5qv+4g/8iLWt4cG3wrpQ9LKEf+OCsb4mnHw51T6RD/yKlbmhDb4d00elpEP/ABwVu/8Ad16v8kc6/wB4f+Ffmy/RRRXOdIUUUUAFfNfjG5sn+IeqQSXixQNePulCl1QnrwOTzxxX0deLM9jOtq22do2EbHs2OD+dfHtzDNb3UsN0jpPG5WRXHzBgeQffNc9bMKuCs6SV33Ppci4dwmduf1qTShbROzd7+T0Pd/h6bLTPHFzY6bdpd2V7psMsM6dJCgCk47c7+O2MVvfFd9vw+ux/eliH/j4P9K8F8IeLLjwlrcWoQ263PlhlMTsRlSOQD2r1jxd4ss/GHwpS/sFaIvepDLC5yY3AJxnv2IPvXXhMbTxdem7+9pf1R5ed8O4rKKNVtXpXfK9NntfsenWKeXp9un92JR+lT0ijaoA6AYpal6s81aIKKKKQwooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAr5++OdxeP42gguCwtY7VWt1/hOSdx+uRj8BX0DWP4i8KaP4qtEg1q0E4jJMcgJV4yeuGH8ulc2KoyrU+WLPbyLMaeXY1V6sbqzWm6v1X9bHz58Kbi8g+JGmLYlv3rMkyjo0e0ls/TGfqBXf/G+MCfRZO7LMp/Ap/jXeeGvA+g+Ey76PZ7Z5BteeRi7kemT0H0xVjxN4YsPFOlmz1BdpBzFMgG+I5GcE+uMGtsri8HJOo/6sRxXj6ec1XLDxskktd3Z3/wCAj5nXRWlsZL9IGNtFIscjjorMCRn64Na0l+0Xge305Sgik1GWZh3yscarj2w7Vr2iCL4T67IeiahCOfYf/XrzdmLsWY5JrvxuOw+WytTprmb6abd/v0MMjyTH8TQbxOJl7OCSV7y1fRXfZa+qJLl99y7bt2T1roPAXixvB3iiO/ZGltpFMNwinBKEjke4IB/DHeuarpfCXgbVPFesLZwR/Z4kCSTzS8eXG3IIHU5HT8K+MUqtau6sFq3f72fs9angsHl0cLipJU1FR1dr2VtPPTp8j6ljkSaJJImDI6hlYdCD0NOqO3gS2tooIRiOJAij0AGBUlfTn4Q7X0CuD+MdrDdeAH85AXjuI2ibujZIz+RIrvK4b4un/ihSB/FdRj+da0acatRQmrpkSxFXCxdejK0o6p9medeG/hWr/ESXSNZmeW1s4FuS0cZUTg7cLk9B8xBx/dI969+ACgADAHAA7UgGFAHYUtc0KNKlpTjY9HG5ljMwkpYqfNbbRK33fmFFFFaHAFFFFABRRRQAUUUUAcZpn/JavEP/AGBbD/0bc12dcZpn/JavEP8A2BbD/wBG3NdnQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFcZ8Lf+RTvP8AsNal/wClctdnXGfC3/kU7z/sNal/6Vy0AdnRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAcL46+Xxp4Mf/p9dfzMdd1XC/ED5fEvg9/TUwv5sld1XRV/hU/R/mzmpfxanqvyR5l8QbqP/AIWV4VhmkWOO3lSdmY4Cgyjknt9ytm88eCw8eHS7nyBpf2E3P2hSSRhC5bPQjaDwK86+Llz5/jySPOfIt44/pwW/9mrHtQPE2uWFhBmF5LL7ErOeN/lMoP0JIr0ZYe+GU7XtF29d0cFHER+u+zm7Rc43fls/wLnjT4u3XiWCXTrGzW201yAwkO6SXDBgSei8gcDP1r23wlqdtq/hHTbyxfdE1uq8jlWUbWB9wQRXytb6Tf3d/wDYrK0lubjJASBTIT7jHUe/Svpn4c+Hbnwx4JtLC/4uiWllQHIQsc7c+wx+Oa+VwmIxM5OnV2XlazP1HiPK8owuHhXwbXO7LSV7x113f3rudRRRRXonwwUUUUAFYWs+DPD+uyPPqOl20lyylfP8sb+mASe+Pet2iplGMlaSua0q1WjLnpScX5Ox8leIvC+q+GNTaz1S1kjO4iKUKdkwHdT36j6Z5rSstcsdL8FjTD5s15PqCXUqqMJGiKVC5PVjnPHGMc54r27x14fvNb8Q+GJbe0Fza2t2TdBsbVQtGTkHqMK3+TXz34k0x9G8Tajp7/8ALvcuin+8u44P5YrzK1D+z1DEUXeX5f8ADn6PluZx4n9pgMdBKKSejac/Tsl1t5an074U8XaX4w0xrzSXceW22WGUYeM9sj37EVuV478B9GvrePUtVnR4rS4VIodwwJSCSWHsOmfc+lexV24epKpSUpbnxOc4Sjg8dUoUHeK/y2+QUUUV0HkhRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAeSeNvBB8PfC/VILK4luhJfpckbMEJnaFOOuM5z+grw4gqxDAgg4IPavsyvJdJ0TT9X+M/iG21SzhuofJdykqBhndHz7HnrXPicDLGylV5rNL7z6bI+JY5JRWFlS5oSlpZ2avv67eX+Xmvw40c634+02BrZbiCOTzp1dcqEXn5vbOB+Ir1TdJaftChIHKR3UOJFXgMBb5A/NAfwr0DSdA0rQYWi0fT4LNXOX8pAC31PU/jXCeMbgad8YPDNzbxr50oSFyR1V3ZPzAY/pXRlWH9gpweraZ5vFOcLNK1OtFcsYNWXXfV/iel0UUUHlhXBfF2VR4Ws4T96a/jAAHYK2f6V3tcL8Rfn1bwnD/f1WP8A9CX/ABrpwv8AGizmxf8ABkjuqKKK5jpCiiigAooooAKKKKACiiigDjNM/wCS1eIf+wLYf+jbmuzrjNM/5LV4h/7Ath/6Nua7OgAooooAKKKKACiiigAooooAKKKKACiiigAooooA88+K154q0LR31/QfESWFnavbRtYiwjkaZpLhY2JkfOBtccBe3Xmr3xJ8aHwnZ6ba293b2N1q1yYEvLlC6W0aoXkk2Dl2AACr3Zh9DlfGjUp5fCM+gWGi61qN3cvazo9jp0s8QVLlHYF1BAbahOPp60zxjHP4lj8K+MdM0LU5xoOptNNp1xaNDctERtZ0jfBLKQrAd8cUAaHg/wATQSWOs3k3jCfxAmnw+bPBdaatnPagKzElNiNhgOMr26msFvEnjLTPAtj8Q9S1eGWxnMF1c6ItogjitZnUDZL98uqurZJwcEYq/ZaddeNvHmsa0dLv9I0qbw+2jhtQtzBLcyO5YuIz821BwCcZLHFYk669rfwvsPhvP4c1S31QJb6deXj25FnHDEyhplm+6wKJwo5y3TigDrdS1HX/ABH8QL/w74e1j+xLXR7SGa7uktY5pZZpixRAJAVChUJJxk5xxWl4A8QX2vaJeR6z5R1PSdQm027khXakrxkYdR2DKynHuaxb2S88GfEzV9bfR9S1PS9ds7cNJptsbiSCeDeu1kXnayuMN0yMHFaXw20m/wBP0XU7/V7ZrO71vVbjU2tHILQLIQqI2ON2xFz7mgDrJLiGEgTSxxk9AzAZrkPhYQ3hG7KkEHWdRII7/wCly1t634R8O+JJoptf0Sx1KSFSsb3UCyFAecDI4rA+EtvDZ+CZra1iWGCHVtQjjjQYVFF3KAAOwAoA7eiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooA4X4lfJdeGZv+eeqx/wAwf6V3VcL8UeLLQm9NVi/k1d1XRU/gw+ZzU/40/l+R85+P7hb7xzrFzESUS4EJJHdV2n9UNY+i6idI1yy1AJ5n2WdJSgONwByRntmty61jQ7STxYmtQPcXN1cMbJYwcrJukw5ORgDcPrnoaw7KfS5vDt0ftEg1LzE227xgLsyclWycn7vGB3617EcbhozWFlL3tFb1R57yXMZ4d5jCk/Z6vm9G/nbz2O4+C0efFl7J/dsWH5un+Fe2V498F7d4te1cSLteKFY2Hod3/wBavYa87MHeu/kdOXK2HXzCiiiuA9AKKKKACiiigArwnUokl+MbQyorq2swEqwyCM//AF692rwzUB/xfVV/6icJ/wDQa9DApNzT7HnY6TjyNfzHuYAUAAYA4AHaiiivPPRCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACsLTvCltp3izUdfSaSSe+QJsYcRjjOPXJUfSt2iqjKUU0upMoRk030CuE+ISKviTwhcEDK6mqFvYsn+Fd3XC/Ff8Ac6Bp18OtpqMUmfQYb+uK3wv8ZL+tjDFfwW/63O6oo60VzHSFcJ4o/wCJj8UvDGmj7tsr3j/0/WP9a7uuFn+f45W3+xpR/wDQm/xrow+kpPsn+RzYnWMV3a/M7qiiiuc6QooooAKKKKACiiigAooooA4zTP8AktXiH/sC2H/o25rs64zTP+S1eIf+wLYf+jbmuzoAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACuM+Fv/ACKd5/2GtS/9K5a7OuM+Fv8AyKd5/wBhrUv/AErloA7OiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooA4X4q8aRo7emqxf+gvXdVwvxX48P6WfTVYf/QXruWYIhY9AM10z/gw+f6HNT/jT+X6nyj4g029ZpdY8l2sprmSMTAZAcHOD6cMMevPpS+E/CmreKdSMWkW+8QjdJK52onsT6n0r3P4TwpL4CImRXWa5kLKwyG6Dp+FdvBbw20Qitoo4Yx0SNQoH4CvPxODSxzrJ7O9vNH2GD4nmskWAdPVw5b36NW2tvb/M5/wx4Og8M3+oXcNw8rX2wshXAQjJOD3yST7V0lFFdU5ym+aW58rCEaceWK0CiiioLCiiigAooooAK8R1Ff8Ai/aD/p/hP/jqmvbq8evrMn9oOJTyHmjlH0EIP/sprvwTs5/4WefjldQ/xI9hooorgPQCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigArjviqgf4eXpI+48TD2/eKP612Ncp8Tl3fDnVPYRH/yKlb4f+ND1RhidaE/R/kaC+I9PsP7Gsr6fZc6jGohG0ncdo6ntkkAe9bdePa/qlvB428GSXkixwW9lbyyO3RdxPJ/IV7DVV6SpqL7/AOZFCs6jku3+QV5xpkrT/HzVdzsyxWYVATnaNsfA9OST+Nej1wfg1En+I3i+6KgvHLHErY5A+bIz/wAAH5CnQdozfl+bQYhXnTXn+SZ3lFFFcp1BRRRQAUUUUAFFFFABRRRQBxmmf8lq8Q/9gWw/9G3NdnXGaZ/yWrxD/wBgWw/9G3NdnQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFcZ8Lf8AkU7z/sNal/6Vy12dcZ8Lf+RTvP8AsNal/wClctAHZ0UUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHC/FnjwxYH01KI/8Ajr12Oov5Wl3Un92F2/JTXHfFv/kUbY+l/Ef0arvxPnkg+HuoGJ2QuY0JU4yC65H0IyK7Ix54U492/wBDilLknVl2S/Uj+FSbPh5ZH+/JK3/j5H9K7GuX+G0flfDvSlPdHb85GP8AWuorLEO9aXqzbDq1GHovyCiiisDcKKKKACiiigAooooAK80uYwf2grRh2tSx/wC/TCvS6pnSbE6wNUNrH9uEXlCfHzbc5x/9etqNRU+a/VNfeYVqbqctujT+4uUUUVibhRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVz3j2FZ/AWrq3QW5f8VII/lXQ1ieMxnwRrP/XnIf8Ax01pS0qR9UZVtacvRng/iydri40t3OSNLtl/JK938H+IP+Em8L22pOI1nbck0cZyEcHGPbIwcehFeBB59Zt7h47UyNZaeitsGdio6jf+XX6ntXq/wX/5Ey7/AOwg/wD6Ljr2cdBewXdM8XAVH9YfaS/I9Crhfhr/AKTdeJtR6i51RwD7DJH/AKHXZahcmy026ugATBC8mD3wCf6VynwptjB4CgmY5a7mlmb67tv/ALLXlw0ozfey/U9aeteC7Xf5L9Ts6KKK5jpCiiigAooooAKKKKACiiigDjNM/wCS1eIf+wLYf+jbmuzrjNM/5LV4h/7Ath/6Nua7OgAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAK4z4W/8AIp3n/Ya1L/0rlrs64z4W/wDIp3n/AGGtS/8ASuWgDs6KKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDhfi5/yJ0J9L6L+TV5n488T6rq3iC/sLu6Y2dpdyxwwoNq7Q2BnH3j8o5Oe9emfF3/kS4z6Xkf8AJq898MwRX3xiVLmNJka+uHKuoIJAdhwfcZr28Hyxo87V7X/Q8LHc0q3s07c1l+Z7L4UspNO8I6XazoUljtU3oeqsRkj8zWvRRXjSk5Scn1PbjFRioroFFFFSUFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFc/47vILHwHrM10+xDaPGPdmG1R+JIroK5b4j+HrnxN4Iu7Gx5ulKzRJnG8qc7fxGce+KmcpQi5Q3Wx04SnRq4iFOu7QbSb8up4b4G8cxeFNekuruxNzbzwmCRVfDKpYEkA8Hp04+teu/CGSKTw5qTW2PJOpSNHgYG0omP0r57Ol36yXKNZXAa0z9oBiP7nBwd393kY5rR0Txlr/hxBHo+oyW8W/eYgAUY4xyCOeBXnU82rLnWJu726dvuP0HMODMHWVOWV8sOW99W00189T6c8Uv5fg/WGHVbGcj/v2az/AIeJs+H+kgf88ifzYmsmDxOfFXwbv9VkjWKdrKaOZF6BwCDj2PB/GtvwIu3wHpA/6dlP517MJKWG5l1f6H5lXozoY2VKorSimn950FFFFYlhRRRQAUUUUAFFFFABRRRQBxmmf8lq8Q/9gWw/9G3NdnXGaZ/yWrxD/wBgWw/9G3NdnQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFcZ8Lf8AkU7z/sNal/6Vy12dcZ8Lf+RTvP8AsNal/wClctAHZ0UUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHC/F7/kRwfS7j/ka4PwJG83xgV0Xcsc1y7n0G1xn8yPzrvPi9/wAiKf8Ar6j/AK1w3wfYzeO5XZ97/ZJGYk5JO5eT+dezh2lg5P1PFxEXLGRsux7nRTJpkgjLyHCj9ag+3elrc/8AfuvGPaLVFVft3/Trc/8Afuj7d/063P8A37oAtUVV+3f9Otz/AN+6Pt3/AE63P/fugC1RVX7d/wBOtz/37o+3f9Otz/37oAtUVV+3f9Otz/37o+3f9Otz/wB+6ALVFVft3/Trc/8Afuj7d/063P8A37oAtUVV+3f9Otz/AN+6Pt3/AE63P/fugC1RVX7d/wBOtz/37o+3f9Otz/37oAtUVV+3f9Otz/37o+3f9Otz/wB+6ALVFVft3/Trc/8Afuj7d/063P8A37oAtUVV+3f9Otz/AN+6Pt3/AE63P/fugC1RVX7d/wBOtz/37o+3f9Otz/37oAtUVV+3f9Otz/37o+3f9Otz/wB+6ALVFVft3/Trc/8Afuj7d/063P8A37oAtUVV+3f9Otz/AN+6Pt3/AE63P/fugC1RVX7d/wBOtz/37o+3f9Otz/37oAtUVV+3f9Otz/37o+3f9Otz/wB+6ALVFVft3/Trc/8Afuj7d/063P8A37oAtUVBDdpLJ5ZSSN8ZCyLjI9qnoAKKKKACiiigAooooAKKKKACiiigDEm8I6RJa6xAtt5f9sg/a2VjliQeRnoQST9TXzRr/hm40HxDd6XJKsv2eTaJAMbh1Bx24Ir6yrwr4w20Vv44SSJArXFokkhH8TbmXP5KB+Fa08FRxtW1e+x10M+x2SUJfU2rN6pq69V5ndXmiW3hT4M3enW7mRUtGLykYMjueT+Z/LFdD4OjMXgnRlbg/Yoj+ag/1rzD4l+Jb57fS9NtLjbp93pkNxIgUfvNzEjJ/wCAD9a9isbYWen29qvSCJYx+AA/pW06XscPGPd/loeX9Zli8XOrN3fV923cnooorkOkKKKKACiiigAooooAKKKKAOM0z/ktXiH/ALAth/6Nua7OuM0z/ktXiH/sC2H/AKNua7OgAooooAKKKKACiiigAooooAKKKKACiiigAooooA8t+OHhfSbnwlP4iuLd5NTtZbKKCUzvtjU3cYOEztyQ7DOM812HjTXrjRtJittIVZda1SUWmnRNyPMIJMjD+4igu3suO4rG+J3h/wAW+K9HfRfDqaKtjN5Mks19cSpKskcyyYASNgVOxRknPJq1c+C38WRWF940H2PWLISpG+h6jPEio5GQH+RjkKucigDj/AinwP4O+JLWcslzJpF/dTLLOdzTSJaRuXb1LMCT9aq6h4btPCfwv0fxzp7zf8JHAbK7vL9pmL3vnSRrMkmT8ykSHA7YGK6jwh8LItAuPFH9o3l1d22syyxxxvfzTA27oinzA/BlypG7k4wM9qrQ+BPFl5o+leFdd1HS5fDumTQs08Ik+1XkUDBoo3QjanKpuIY5x2oAU6Hp/j34p+J7XxRAb6x0KK0trO0d2EaNLF5ry4BHzncoDdQFrV+Fd5cy+Gb/AE28uJbo6Lq13pkc8zbnkjikITce5CkDPtS6n4b8R6b4yvvEHgyXTHbVbeKK+tNTaRF3xZCSqyAnO1sFSBnA5rW8F+Gm8K+HFsri5+2Xs08t3eXIXaJp5XLuwHYZOB7AUAP1/wAXaf4bnhiv7fUpWmUsps9OmuQADjkxqQD7GsP4R3CXfgea5iDqk2rahIokQowBu5SMqeQfY8iu4rjPhb/yKd5/2GtS/wDSuWgDs6KKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDzD47Xs0HhCytolIjuLseY/ptUkD8c5/CvDNM1O70fUob/Tp2guIWDI6n9D6g9x3r6H+MUEc/gBxIoO25jIPoeRkfnXLfDX4YaPqGmWev6nJNct5jFLY4EeVYgbu7dM46fWvPxeBxFVqtF+7t6H3OQ8RZbgcJLCV4vn1b0vzJ+f4anqjTNc2OnzSR+W8jxuyH+EkZxWhVW+/5dv8Aruv9azvEl14itkt/+EY0+2vWYt5wuH27RxjHzD3r0oRcna58LUmo3lb7tTborhf7V+JH/QvaZ/3/AB/8XR/avxI/6F7TP+/4/wDi62+rv+Zfejn+sL+WX3M7qiuF/tX4kf8AQvaZ/wB/x/8AF0f2r8SP+he0z/v+P/i6Pq7/AJl96D6wv5ZfczuqKpaPLqE2kwSazBHb3rA+bFE2VU5OMHJ7Y71U8Xz3dr4I1yfTCwvYtOuHtyvXzBGxXHvnFYNWdjoTurmXffE/wfp19PaXGsb5bZilwbe2lnSFh1DuiFVI75IxXTWd5bahZQ3ljPHcW06CSKaJgyupGQQR1BFc38Mbaxtfhb4cTS1QQPp0MhKfxuyBnY/7RYkn3zXL+O9X1D/hPNN8J6Za61/ZyaY9/ND4fkjgnkPmCNV3s6bUXknacksvakM9Sorxm5v/ABZpfwx8d/bF12wtbS1Euj3Wp3CG8Xcp3qZI3YnawBDE5w3XitaSz1Twrqvg3VG8R6tqEur3yWOoQXdwXgk8yCR9yR9I9rRjG3t1zQB6hRXjfi/Vftt74gu/Dlx44urnTWkRrrTrmOOxtJo0yU2O6hwpHzDa3fmvTvCmqS654M0XVrkKs1/p8FzIFHAZ41Y4/E0Aa1FFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBVuP+Qjaf8D/lVqqtx/yEbT/gf8qtUAFFFFABRRRQAUUUUAFFFFABRRRQAV4l8aB/xV9mfWxUf+RHr22vL/iR4ZvvEHjnRoreCU280QiknVcrGA5LEntwe/Wu7AyUa132ZwZhFzoWj3RxFhK3iXxb4dtzbtcwWyWtrIm3cNinLZ9sFq+h68l+DNrLa6vrkNwhjmgEcciHqrBmBH5ivWqrHzTqKC2X66kZdBqk5vd/poFFFFeeekFFFFABRRRQAUUUUAFFFFAHGaZ/yWrxD/2BbD/0bc12dcZpn/JavEP/AGBbD/0bc12dABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVxnwt/wCRTvP+w1qX/pXLXZ1xnwt/5FO8/wCw1qX/AKVy0AdnRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAcR8W/+RBl/67x/zqx8LRj4dad7tL/6Naq3xcOPAUnvcR/zNavw/wBPm0vwHpltdbRJ5bSEKc4DsXH44YV3Nr6ml/e/Q4En9db/ALv6mzff8u3/AF3X+tWqq33/AC7f9d1/rVquE7wooooAKKKKACjr1oooA4pfhjY2jSx6Hr2vaJYyuztYafeBIFLHLbAysYwSScIVHpirup+ANJ1C10xILjUNOutJj8qzv7O6K3EaEAMpdt28HAyGByea6iigDlZPAVtc+F9W0PUta1nUY9Vj8qe4u7lXkRcY+QbQi9ey/WtLU/DNnqq6MLiSdf7HvI7y38tgNzpG6ANkHIw56Y5xzWxRQBxN98LdJvbrUyuqaza2OrSvNe6bbXYS3mkcYdiNu4bupAbB7gjiuo0TSoNB0DT9Is2ke30+1jtYmlILsqKFBYgAZwOcAVeooAKKKKACiiigAooooAKKKKACiiigAoqCO9tZryezhuYZLm3VWmgWQF4g2dpZeoB2nGeuD6VPQAUVBJe2sN5BZzXMMdzcKzQwNIA8oXG4qvUgbhnHTI9anoAKKKg+32n9o/2f9qh+2+V5/wBm8weZ5edu/b1254z0zQBPRRRQAUUUUAFFFFAFW4/5CNp/wP8AlVqqtx/yEbT/AIH/ACq1QAUUUUAFFFFABRRRQAUUUUAFFFFABXLfEbxFc+GPBN3f2HF0xWKJyMhCxxux7DP44rqaz9e0S08RaHc6XqKkwXC4JU4ZSDkMPcEA1FRScGo7nVg50qeJpzrK8E1deV9T5VsvEesadqr6lZalcxXcj+ZJKJDmQk5O7s3PY19S+F9XbXvC2napIgjkuoFd1HQN3x7ZzXllv8AnGpD7VritYhsny4MSMPTk4H15+lexWVnBp9jBZ2kYjgt41jjQfwqBgCuDBUq0G3U2PreJ8wy3FwpxwdnJdUrWXbZf8Amooor0j4gKKKKACiiigAooooAKKKKAOM0z/ktXiH/sC2H/AKNua7OuM0z/AJLV4h/7Ath/6Nua7OgAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAK4z4W/8inef9hrUv/SuWuzrjPhb/wAinef9hrUv/SuWgDs6KKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDhfi+ceBT73Uf8AWut0UY0HTx6W0f8A6CKq+JvDtr4o0ZtOvZJIkLrIHjIypH19sitSCFLe3jhiGEjUIoJ7AYFbymnRjDqmznjTkq0p9Gl+pBff8u3/AF3X+tWqq33/AC7f9d1/rVqsDoCvnrxp8Vtfu/EV1Bo169hY20rRxCIANJtONzEjPPp0r6FrxLxj8GNTudfuL7w5JbyW11IZDBK+xomJyQOMFc9O/b3rgxqrOC9l87H1fDFTLqeJk8dbb3ebbz8r9jpvhL48vvFdrd2Osssl5ZhXWdVC+ah45A4yD+ea9Hrh/hr8P28FWNxLfTRz6hd7RIYs7I1GcKCeTyck/T0ruK3w6qKklU3PLzmWEnjqjwfwdLbba28rhVbUv+QVd/8AXF//AEE1ZqG7iaeynhQgNJGygnpkjFdB5B4L8LvER+H3w5vIZ8yRz6PFremRnnzJHxC8Q/7bCM4/6a1oeALofC/wx4+utSEl7Npl3C84Dcz3D28RYZ7bpH69s12eifDCwHhbwhZ+Jo47nUfDSKYpLeRvLLgqe4BZcopwR1UU25+HEuq2njmy1O6jjt/Elyk1tJASzw7YkVWYEAZDoDgE5HcUAIvinxh4f1bQ18a2ejmx1q5WyU6aZBJZzupKK+8kSA7Su4bcGqR8ZeONSvPFi6FZaItv4evJIke7Epa5VY1fYArcNyfm6fMo28E1dXwv4w8QatojeNbvRxY6LcreqNNEhkvJ0UhGfeAIwNxbaN2T3rS0PwpfaYvjATy27f25fy3NtsZjsVoUQB8jg5U9M8UAc6nxF8Sto2heK5tN02Dw5qtzbwNalna7iWZgiy787MbiDtx0I5z0l8TfEyS08ZX3h/S9X8NaO2mxxm4uNfuCvmvIu4JGispICkEsT1YDFWZ/AOqS/CPQPCyz2YvtNexaaQu3lN5MiM+07cnIU4yB+FT6p4Q1ux8Zajr/AIVXR7tdWSL7bZ6srqFkjXYskciKxGVwCpXtnNAGNJ8WNQuvh/p+taNY2N1qMmvR6PcQJMZIJWMm0mKQY4YbSrHIG7kGt3T/ABB4qg8XP4b8Qpo/2m806W8066skl8tWRlVkkVmy2C6nIK5GeBSat4U17XNB0SG9bSYL2x1y11GdbRXSHyopNxVcglnx3OAT6VrXvh+6ufiNpWvpJCLSz0+5tZELHzC0jxFSBjGMIc8+lAHJ/BJ/E9x4KtLjVr7T7jTWe7EarDL9p8wXUgy0jSFSvDYG3IG0Z452vH/jG88M3mi2VjLplkdUllRtR1dmFtb7FBCnaRlmzwCw+6aPAPh3xD4Rt30O8OmXGiQy3EtrcxSyC5PmTNIFeMrtGN7chuw4rV8U23iG6jhj0C20S8t2DC6ttX8wK/TbtKhh/eyCpzkdMUAc94l8X+JPC3w3OtzJo+qah9sgihFjv8ieOSRE4y2Q3Jx8xHQ89KntfE3ijSPGOk6R4wttKa21sSpaT6b5gMEyJvMcm8/MCoOGGOR0Ga4rxX4MvfDPwi1C0mubW2uNT8QWtykWnRkW9iXniULErdQCN3QAk9BXa2vhnxRq/jLSdX8YXOlLbaIJXtINN8wmeZ02GSTePlAUnCjPJ6nFAFXwp4n8aeLLzVJIIdFs9P07Vbqw3yxyvJOI3KqQA4C4+XJJOTuwF4NQDxH48g+IGmeHDceHdSZyLjUhaWM8Zs7bP3i7TMA7dFXBz1PAre8KeHNV8NeH9bt1ks5L681G9vbQ7mMY81y0YfgHjI3Yz7ZrD8D+HfHPhliuo2vh67lvrrz9V1IahO1xcEnlgpgA+VeFTIAAA9TQBl6h8Xbme+1VtG1jwjYW2m3ElulrrF6VubxozhiMMBGpIIUkNnGeM1sv8RNQ1+DwxbeC7S1Goa/Ztfs+olmis4UChtwQgu25gowR0zTbfwb4l8NX2oxeGIvD9/pl7dyXkaaqsiS2ryHc6AorB03ZIztIzjJq7rPhTxBJqGg+INDuNLTXtNtntrmGVHjtLqOQKXUbdzJhlBXr75oAyvBVzrb/ABJ8e/2tb2ceqQWenKDFIwt5SEuCrgkblU5GQckc9epZp/xMvbfxdpWl6rrXhPV4tSuTaGPRLljPayFSVLKXbcmV2k4XBIqe2+H3iHUG8cSeI9Uskm8UWEFtG1gH22pRJVIwwBK4dec5b5uF4FVYvAXiu5m8Lrer4asLTQb+G4aLTUkBuFRGUtkoNp54TkHJJbgZAJPH2reLtA1O1u7D/hGb+/uLh7bRLOTTZnu2343DzPOAUBVBdgAuFGewrpNN8SanF47uPDviFLOMtpkV/aTW6sqvj5LhSWJztfaR0+VhnpmufTw349tvHuq+I/s/hzUpJmaDT3ur6eM2loD8qBBCQGbq5ycnjoKqfGO0uNQ07w7Dp97DZ+J7i6+wRJC28mO5jaOfA4OwL8+4gY2DoaALs/jnU9Q+D+r+I1iiikvppbbQ0iVlZ0kk8m3Zsk5Ysd3GBgjjvWHNf6X8NvilYWTrJMLfwhBY2Vrbpumu5RckKiL3Y4J9ByTXY6t4ckfV/Bmh6faMuh6RIbuZx91fIj2QJn13OG/7Z1B4k+HEXirx5LquqmP+z20ZbOFopGW5t7hZzIs0ZxhSAeDnOeMYoAkHiPxPp2oeFrTXrfTYp9cvpo54LdXb7LGsDyKgcthnBQAtgA84Her8/iW8j+IOoaEscH2W20OPUUcqd5kaWVCCc424jHGM5zzWPe+FvGF7o+kS3N/pc+v6BqBntLp94ivYtjRnzlC5jdlc527hkZHXAXTvDXiSHxZrHibxLc6c/wBr0ZbNLeyL4gKO7bQWA3Lhs7jg5JG0ADIBg2HxH8bn4dWXjvUtM0b+x/LSW7s4fNFyYt21pUJYqP7wQ5+UfezxXQap4q8UXPxJl8L+F4NK8ldJi1D7ZfLIwjLSOuMKw3Z2rgfLj5iT0FcZ4N8LeLfE3wW0Tw+2oaXH4evrWMz3O2T7YsJbc0SrjYT1UPkfKemea9JtfDNzbfE678Qh4BYy6RDYRxBj5iukruSRjG3DDvn2oAoaT4t1fVPA+pXkq6TYazpd7LY3T3UrLZq8cgDSbvvbSh3AHHJAJ71S8G/EOfWPGUnh3UNT8Pau72bXcF5oM5ZF2uqtHIpZiG+YEHOCM1X1L4bapfeG9Xs1ubA3Fx4lOt20cwZ4JkDqyxTDAODtOQM9utW9F8I+JB8RLLxLrZ0W2gt9Pms/sWmB8IWZGDbmUbs7TnhcYXAPJoA7a4/5CNp/wP8AlVqqtx/yEbT/AIH/ACq1QAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBxmmf8AJavEP/YFsP8A0bc12dcZpn/JavEP/YFsP/RtzXZ0AFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXGfC3/kU7z/sNal/6Vy12dcZ8Lf8AkU7z/sNal/6Vy0AdnRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAFTUDtjhc/dSZWY+gqb7Vbn/lvH/32KlIyMHpUX2W3/54R/8AfAoAPtVv/wA94/8AvsUfarf/AJ7x/wDfYo+y2/8Azwj/AO+BR9lt/wDnhH/3wKAD7Vb/APPeP/vsUfarf/nvH/32KPstv/zwj/74FH2W3/54R/8AfAoAPtVv/wA94/8AvsUfarf/AJ7x/wDfYo+y2/8Azwj/AO+BR9lt/wDnhH/3wKAD7Vb/APPeP/vsUfarf/nvH/32KPstv/zwj/74FH2W3/54R/8AfAoAPtVv/wA94/8AvsUfarf/AJ7x/wDfYo+y2/8Azwj/AO+BR9lt/wDnhH/3wKAD7Vb/APPeP/vsUfarf/nvH/32KPstv/zwj/74FH2W3/54R/8AfAoAPtVv/wA94/8AvsUfarf/AJ7x/wDfYo+y2/8Azwj/AO+BR9lt/wDnhH/3wKAD7Vb/APPeP/vsUfarf/nvH/32KPstv/zwj/74FH2W3/54R/8AfAoAgvItM1GAQaglpdRB1cRzhXUMpyrYPcEAg9iKn+1W/wDz3j/77FH2W3/54R/98Cj7Lb/88I/++BQAfarf/nvH/wB9ij7Vb/8APeP/AL7FH2W3/wCeEf8A3wKPstv/AM8I/wDvgUAH2q3/AOe8f/fYo+1W/wDz3j/77FH2W3/54R/98Cj7Lb/88I/++BQAfarf/nvH/wB9ij7Vb/8APeP/AL7FH2W3/wCeEf8A3wKPstv/AM8I/wDvgUAH2q3/AOe8f/fYqmbHRW1gas1rYHUVj8oXhjTzgn93f97HJ4z3q59lt/8AnhH/AN8Cj7Lb/wDPCP8A74FAB9qt/wDnvH/32KPtVv8A894/++xR9lt/+eEf/fAo+y2//PCP/vgUAH2q3/57x/8AfYpGuLZ1KvLCysMEFgQRS/Zbf/nhH/3wKPstv/zwj/74FAENmunafZxWlgtra20K7Y4YAqIg9Ao4Aqb7Vb/894/++xR9lt/+eEf/AHwKPstv/wA8I/8AvgUAH2q3/wCe8f8A32KPtVv/AM94/wDvsUfZbf8A54R/98Cj7Lb/APPCP/vgUAV3lSbUrbynV9gcttOccVdpqRRx58tFTPXaMU6gAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDjNM/wCS1eIf+wLYf+jbmuzrjNM/5LV4h/7Ath/6Nua7OgAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiqmqapZaLpk+o6rcpa2luu6WaQ8KM4/maydD8eeG/EeoGw0rUt94I/NFvNBJA7p/eVZFUsPcZoA6GiuZvPiN4TsNbbSbvWY47qOVYZP3bmOKQ9EeULsVuRwWBqfxR458OeDI4W8S6mtl56u0S+U8jOFxuIVFJwMjP1oA368p8D/DvTtR0a9utSm1uCd9Wv/ki1W5gXb9pkCkIrgcjBzjnOa9LGqWR0caq1zHHYGAXH2iQ7FEe3duOcYGOeaxtC+IPhjxLqAsdH1QTXLRmWOOSCSIyoOrJvUbx7rmgCh/wq3Qv+f3xB/wCD67/+OUf8Kt0L/n98Qf8Ag+u//jldnXM/8LG8J/29/Y/9sx/bPP8As3+rfyvO/wCefm7dm/tt3ZzxigCl/wAKt0L/AJ/fEH/g+u//AI5R/wAKt0L/AJ/fEH/g+u//AI5V/wAUfEHwv4Lkjj8S6qtnJKhkRBDJIxUHG7CKTjPeujVg6hl5DDINAHG/8Kt0L/n98Qf+D67/APjlH/CrdC/5/fEH/g+u/wD45XRa5r+l+G9N+363draW28Rh2UsWY9FAAJJPoBVXQPGOg+KJJ4tFvxNPbYM0EkTwyxg9CY3CsAfXGKAMf/hVuhf8/viD/wAH13/8co/4VboX/P74g/8AB9d//HKu2fxG8J3+trpNprMcl1JK0Mf7txHLIOqJKV2M3B4DE0viH4h+FvCmpRafr2rLa3cyqyQiGSRtrNtUnYpwCwxk0AZtz8MNES0meO98Qb1Riv8AxPrs84/66Vj+CPh7Y6r4D0S/1m+8Q/b7mxilud2t3aHzCoLfL5gxz2r0PVtX0/QtLn1LWLuKzs4F3STSthV5wPxJ4A6k1neH/GmgeKJp4dEv/Ont1DSQSwyQyKp6NskVW2n1xigDJ/4VboX/AD++IP8AwfXf/wAco/4VboX/AD++IP8AwfXf/wAcrsiQqksQABkk9q5rSfiL4U1zV00zS9YjnuZdwhHlOqT7fveW7KFkx/sk0AUv+FW6F/z++IP/AAfXf/xyj/hVuhf8/viD/wAH13/8cq7q3xC8O6JqU1hqMt+s8GPM8rSrqVBkA8OkZU8Hsa1dB17TvE+h22saJcG5sLoEwymJ49wDFSdrgEcg9R70Ac7/AMKt0L/n98Qf+D67/wDjlH/CrdC/5/fEH/g+u/8A45XRa5r+l+G9N+363draW28Rh2UsWY9FAAJJPoBVXQPGOg+KJJ4tFvxNPbYM0EkTwyxg9CY3CsAfXGKAMf8A4VboX/P74g/8H13/APHKP+FW6F/z++IP/B9d/wDxyrtn8RvCd/ra6TaazHJdSStDH+7cRyyDqiSldjNweAxNLrXxC8MeHtSksNV1Ix3USCSWOK2lm8pSMguUUhRjnJxQBm3Pww0RLSZ473xBvVGK/wDE+uzzj/rpWP4I+HtjqvgPRL/Wb7xD9vubGKW53a3dofMKgt8vmDHPau+fxBpEfh466+pWw0oQ+d9s8wGPZ67qp+H/ABpoHimaaDRL/wA6eBQ8kMkMkMgU9G2SKpKn+8BigDJ/4VboX/P74g/8H13/APHKP+FW6F/z++IP/B9d/wDxyuyZgilnIVVGSScACub0f4ieFde1ZNN0rV457mQMYQYpEWfb97y3ZQsmP9kmgCj/AMKt0L/n98Qf+D67/wDjlH/CrdC/5/fEH/g+u/8A45V7U/iH4W0fxLB4f1DVlj1W4migjtlhkc75CAgJVSFzkdSK6WgDjP8AhVuhf8/viD/wfXf/AMco/wCFW6F/z++IP/B9d/8AxytzxB4q0bwvFA+uXn2f7QxSFFieV5SBkhUQFjj2FJovivQ/EGmz32k6lFNb2zFbhmzG0BAyQ6uAU45+YDigDE/4VboX/P74g/8AB9d//HKP+FW6F/z++IP/AAfXf/xyr+h/EHwv4j1IWGj6qs9yyGSNGhkj85R1aMuoEgHqpNQ6h8TPCGl6lPZX2sLHLbSeVO4t5Wihf0eQKUU/UigDmvG/w9sdK8B63f6NfeIft9tYyy223W7tz5gUlfl8w557VsW3ww0R7SF5L3xBvZFLf8T67HOP+uldLq/iHSdB0f8AtTVr6K3siVCyklt5b7oUDJYnsACTUfh/xRo3ii3mm0O9FwIH8uZGjaOSJsZwyOAy8eo5oAwv+FW6F/z++IP/AAfXf/xyj/hVuhf8/viD/wAH13/8crrb29ttOsZry/njt7aBDJLNKwVUUDJJJ6CsXw/468OeKLuS10TURPcRxiUwyQyQu0ZON6h1Usuf4hkUAZn/AAq3Qv8An98Qf+D67/8AjlH/AAq3Qv8An98Qf+D67/8AjlO1D4q+EtKe5XULu/gFqzLM7aReFE2nBO8RbccdQcV1dleQ6hYW95aMXguIlliYqVJVhkHBAI4PQjNAHJf8Kt0L/n98Qf8Ag+u//jlH/CrdC/5/fEH/AIPrv/45XRa5r+l+G9N+363draW28Rh2UsWY9FAAJJPoBVXQPGOg+KJJ4tFvxNPbYM0EkTwyxg9CY3CsAfXGKAMf/hVuhf8AP74g/wDB9d//AByj/hVuhf8AP74g/wDB9d//AByrtn8RvCd/ra6TaazHJdSStDH+7cRyyDqiSldjNweAxNLrXxC8MeHtSksNV1Ix3USCSWOK2lm8pSMguUUhRjnJxQByvjf4e2OleA9bv9GvvEP2+2sZZbbbrd258wKSvy+Yc89q2Lb4YaI9pC8l74g3silv+J9djnH/AF0robzxVodh4ZHiG61O3XSCiuLxW3owYgLgjOckgcUeHPFGkeLdLbUfD92bq1WVoWcxPHh16jDgHjPpQBhf8Kt0L/n98Qf+D67/APjlH/CrdC/5/fEH/g+u/wD45XZMwRSzkKqjJJOABXN6P8RPCuvasmm6Vq8c9zIGMIMUiLPt+95bsoWTH+yTQBR/4VboX/P74g/8H13/APHKP+FW6F/z++IP/B9d/wDxyr2p/EPwto/iWDw/qGrLHqtxNFBHbLDI53yEBASqkLnI6kV0tAHGf8Kt0L/n98Qf+D67/wDjlH/CrdC/5/fEH/g+u/8A45Wtr3jXQPDN3Da6xfNFczIZI4IreSeQqDjdtjVjjPfGKlt/FugXXhl/EMGrWzaTGpZ7vfhEA4IOeQQeMHnPGKAMT/hVuhf8/viD/wAH13/8co/4VboX/P74g/8AB9d//HK1vD/jTQPFM00GiX/nTwKHkhkhkhkCno2yRVJU/wB4DFUIvih4Om1BLNNaTfJN5CStBKsLSZxtExXyyc8Y3UAcv42+H9npWhW8+j33iL7Q2o2cLbdau3/dvcIsnHmH+Etz2610P/CrdC/5/fEH/g+u/wD45Wp4o8c+HPBkcLeJdTWy89XaJfKeRnC43EKik4GRn61s2l1DfWUF3av5kFxGssb4I3KwyDg8jg0Acl/wq3Qv+f3xB/4Prv8A+OUf8Kt0L/n98Qf+D67/APjldLrGs6d4f0qXUtZu47OzhxvlkPAycAAdSSeAByap6F4v0PxLDcyaNfeebQgXETQvHLFkZG6N1DDI6cc9qAMb/hVuhf8AP74g/wDB9d//AByj/hVuhf8AP74g/wDB9d//ABymTfF7wbbIr3N7qECMwQNLo14gLE4AyYsZJ4rtqAOM/wCFW6F/z++IP/B9d/8Axyj/AIVboX/P74g/8H13/wDHK3PEHirRvC8UD65efZ/tDFIUWJ5XlIGSFRAWOPYUmi+K9D8QabPfaTqUU1vbMVuGbMbQEDJDq4BTjn5gOKAMT/hVuhf8/viD/wAH13/8co/4VboX/P74g/8AB9d//HKv6H8QfC/iPUhYaPqqz3LIZI0aGSPzlHVoy6gSAeqk1DqHxM8IaXqU9lfawscttJ5U7i3laKF/R5ApRT9SKAOa8b/D2x0rwHrd/o194h+321jLLbbdbu3PmBSV+XzDnntWxbfDDRHtIXkvfEG9kUt/xPrsc4/66Vva54u0Pw5bW0+r36xJdnFuI43mabjPyKgJbgg8CpNA8TaP4otJLnQr5LpIXMcqhWR4m/uujAMp9iBQBg/8Kt0L/n98Qf8Ag+u//jlH/CrdC/5/fEH/AIPrv/45XW3t7badYzXl/PHb20CGSWaVgqooGSST0FYvh/x14c8UXclromoie4jjEphkhkhdoycb1DqpZc/xDIoAzP8AhVuhf8/viD/wfXf/AMco/wCFW6F/z++IP/B9d/8Axyr0PxD8LXHi9fC8GrLJrDSSRC2SGQgOilnUvt2ggKTgntXS0AcZ/wAKt0L/AJ/fEH/g+u//AI5R/wAKt0L/AJ/fEH/g+u//AI5V7WviF4Y8PalJYarqRjuokEkscVtLN5SkZBcopCjHOTirt74s0HT/AA7Hr11qluumShTFco29Zd33QgXJYnsACaAMT/hVuhf8/viD/wAH13/8co/4VboX/P74g/8AB9d//HK2dH8YaDr2nXd9pmopJBZZ+1eYjRPBgbjvRwGXjnkCqOlfEnwnrWpQWGn6sGuLnP2cSwSxLPj/AJ5s6hX/AOAk0Acn4k+H9nY674Yg0++8RfZ73UWhvMa1dt+7FvKwyfM+X5lXnj0710P/AAq3Qv8An98Qf+D67/8AjlXta+IXhjw9qUlhqupGO6iQSSxxW0s3lKRkFyikKMc5OK3rG/tdTsIb3TriO6tZ0DxTRMGV1PQgigDk/wDhVuhf8/viD/wfXf8A8co/4VboX/P74g/8H13/APHK39f8SaR4YsUu9cvFtYpJBFGNjO8jnoqooLMeOgBqGw8X6Hqnh+41rTr03NjbbhM0UMjSRlfvKYtu8MP7u3PtQBjf8Kt0L/n98Qf+D67/APjlH/CrdC/5/fEH/g+u/wD45Ulv8U/Cdzqdnp6Xl7Hc30wgt0n0q7iEjnoNzxAfmeK6+gDjP+FW6F/z++IP/B9d/wDxyj/hVuhf8/viD/wfXf8A8crW17xroHhm7htdYvmiuZkMkcEVvJPIVBxu2xqxxnvjFS2/i3QLrwy/iGDVrZtJjUs93vwiAcEHPIIPGDznjFAGJ/wq3Qv+f3xB/wCD67/+OUf8Kt0L/n98Qf8Ag+u//jla3h/xpoHimaaDRL/zp4FDyQyQyQyBT0bZIqkqf7wGKoRfFDwdNqCWaa0m+SbyElaCVYWkzjaJivlk54xuoA5fxt8P7PStCt59HvvEX2htRs4W261dv+7e4RZOPMP8Jbnt1rof+FW6F/z++IP/AAfXf/xytjX/ABhovhmWGLWLmWOScFo44bWWdmA6nEasQORVvRNe0vxHpq3+iXsd5bFihdMgqw6qwPKsPQgGgDnP+FW6F/z++IP/AAfXf/xyj/hVuhf8/viD/wAH13/8crpdY1nTvD+lS6lrN3HZ2cON8sh4GTgADqSTwAOTVTw/4t0TxStwdDvfPe2YLPE8TxSREjI3I4DAHsSOaAMX/hVuhf8AP74g/wDB9d//AByj/hVuhf8AP74g/wDB9d//AByr2hfEPwt4m12bR9C1Zby+hhad0SGQLsVgpIcqFOGYDg966WgDjP8AhVuhf8/viD/wfXf/AMco/wCFW6F/z++IP/B9d/8AxyuzooA53w74I0jwxqV1f6a19Jc3cSRSyXl7LcEqhJUAyMSOWP510VFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAIyq64cBhkHBHpzXnkE48e/E7TNW0lR/YnhdrhRqHa9uZE8to4z3jQZy3QtgDOM12XiHRY/Efh690ie7urOK8j8p5rOQJKqnrtJBAyODx0JrC8OfD8+GWsks/FOvTWVkuyOwme38grjABCQqcd+COaAON8OwW1z+y/rEmoKrPcWmpz3jOOTN5kxLH/aBA/IV0mtSTz/s73897k3UnhWRpWbruNqS2fxqe9+Fei3t1d7r7VYdNvrj7Td6RDdBbS4kJBYsu3cAxGSAwB9K1PF3g+PxfpY06bWdU0u0aKSGaLTpI0E6OApV9yNxjIGMdTQBi6x4duvFfwJj0XTpEjurrSbcRGQ4VmVUYKT6Hbg+xrlvFms+INR8TeAGuPC02hNb67FG7TXETs26NhIkQjY5j2Bssdv8ADx6eh6J4PGieG7jRl17WbyKWPyo57m4TzrZdu0CNkRduOoODzUOkeBLPTdbi1e+1TVdbv7dGjtptUuFk+zBuG2KqqoJHBbBOOM0ASHxlYXmoXukacmof2jAsyr5mnTpEXQHpIyBDyOCDz2zXnPk2f/DH+7K4/sj7Rvzz9o3792f73md+ua9qriP+FU6J9o2fbNU/sn7V9r/sT7SPsXm7t+dm3dt3/Ns3bc9qAK/xYMj/AAL16S5XE7aaDJxzu+XP65ru7b/j1i/3B/Kub8a+BofHFl9ivtb1ews3jMc1vYSxok4JB+fcjE9O2K1PD+ivoOmmzk1bUdWPmFxPqMiPIowBtBRVGBj07mgDQuJIIIWuLp444oQZGkkICxgA5Yk9OM815U8t54nvPEvj/S4XtrC38PXGnaRIVKyXvWQz46hNygJnk8njIruvGfhG18b+HX0XUL2+s7aSRXkNlIqtIF52NuVgVzgkY5wKj0LwjNol15knibWtUgERiFpfNAYgOOQEiU8AY6456UAcD4igtrb9l/R5NPVVe3tNMns2QcibzISGH+0STn6mul+NIH/CqtROOTdWOT/2+Q1NZfCvRbK6tNt9qs2m2Nx9ptNImug1pbyAkqVXbuIUnIBYgelWvGngCDxughv9e1qxtNqB7SxmiSKRkferkNGx3BgO/wDCOKAGfEjQdS1zQbCTRoI7u60vVLfUVs5JAi3QibJj3HgEg5BPGQK5J9V1nU/jz4SubnQZ9FiewvonS4mjeaVAqsSwjZgED7NuTknPArvk8MSDwu2jSeIdaldn3DUWuEF0vzBgAyoFxxjG3kZBzTPD/gyy0HUp9Te9v9V1SeMQtfalMJJREDkRrgKqrnnCgZPXNAHNeMfGtlrvwy8WJoI1FLiDSZ3LXGnXFthdpBIaRFBOCenNV/G8FrafDfwgdMVFa11PSv7P2eu9FAH1QsPpmvSp4Irq2kt7mNZYZUKSI4yGUjBBHoRXIaV8MdJ0u+0+Y6hq19a6W+/TtPvLrzLezbBClF2gkqCQu4tjtQAnxW1a50/wLNY6Y2NT1uZNKsv+ukx2k+2E3tn2rptE0m20HQbHSbFdtvY26QRj2VQMn34qrqfhmz1bxHo+s3ks5l0cyvbQBh5ReRdpdhjJIGccjGTWxQBHcSQQQtcXTxxxQgyNJIQFjAByxJ6cZ5ryp5bzxPeeJfH+lwvbWFv4euNO0iQqVkveshnx1CblATPJ5PGRXdeM/CNr438OvouoXt9Z20kivIbKRVaQLzsbcrArnBIxzgVHoXhGbRLrzJPE2tapAIjELS+aAxAccgJEp4Ax1xz0oA4HxFBbW37L+jyaeqq9vaaZPZsg5E3mQkMP9oknP1NegeLfFNr4U05XW3a81O+fybDT4ceZeTY4A9ABgsx4UD6Csqy+Fei2V1abb7VZtNsbj7TaaRNdBrS3kBJUqu3cQpOQCxA9KfrPw2g1fxk3iaPxFrmn35gFugtJYdkUfcIHiYrk8nB5NAHI6r4am8LfDPwT4f1OSOVW8SWn9oLGP3R8yd5SgH9wSFVHsBXSeJ8QfGjwRNAMSy2uoxXBUctCI0YA+oD7ce5ren8IWmoeEZPD+uXt9q8EvLXN3Ionzu3KwaNVAKkDBA7DrUOgeB7PQ9Yk1abUdT1jUmg+zJdanOJHiizkogVVABIBJxk45NAHNeOfGlnr3wr8WLoI1BJ4dMlZjcafPbYQjDYMiKDxnpR48gtbTwf4LOmKqm21rTFsNnoWC4HsULD6V6Lc20N5aTWt1Es0E6NHJG4yHUjBBHoQa5LSfhlpWlahYXDajq2oQaWSdOsr668yCzONoKDaCSFJALFsDpQBV+KoAs/CpAwT4q03Pv8Ava7yuP8AFnw7h8X6hBc3niPXbJLeaK4htrKeJYo5YzlZAGjY7s89a6TSbB9L0uCzkvrrUGiBBubxlaWTknLFQB3xwB0oANV1LT9E0yfVdWuIrW1tYy8k8nARe/58cDqcV4z4ntdRufhx4/8AGd1bSaYviGK1jhtGG2VLSNgnmSDs7o7kjsuB616X408DWnjeLT47/U9RslsJ/tEa2TxhXkH3S6ujBtvbjjJqWw8HrBY39lrGt6rr9pfw+TLBqjxMoUgggeXGnUHnOeg6UAYPxFhhtLnwI9giRyw+IraG38sY2xNHIrqP9nYOfoKufEHWxDpb+FtGto77Xdchkht7PHyxowKvPL/djXJJP8R4HPSbRfhxpukarZX0up6tqjacjJp8Wo3QljswRtOwBRk7flyxY471Uk+F8P8Awk+p69ZeKvEVjeam4M5gmtyAo+6il4WIQdhmgDK1HR10XxV8KtAmlNxaWC3EYeQcSTQ2m2NiPX75HpVua7h0r47apdYcW/8AwiyXF6IY2dmZLhwh2qCWbbvAABOBxXR6t4Os9c0Cz03U7y+lmsXSW31FZQl1HKowJQyqBuwTn5cHJ4p3hvwhZeG5726jur3UdQvipub6/lEk0gUYVcgABRk4AAHJoA4z4heJNP8AE/gKMWS3YsW1mwgvhd2U1tmJrhMjEiqSOgOOK1fGYEXxQ+H8tuALlrq8iOOrQm2YuD7Aqh+uK67W9GsfEOi3Wk6vAJ7O6TZLGSRkdQQRyCCAQR0IFYuh+A7LRtZTVrnU9V1m+hhNvbzapcCU28ZxuCAKoBOBljljjrQBjfFMnW20HwTCTnX74G7APSzgxJLz2zhV991egKoVQqgBQMAAdKyB4Zs/+E0bxPJLPJffYfsMaOw8uKPfvJUYzuJxkkngCtigCO4kggha4unjjihBkaSQgLGADliT04zzXlTy3nie88S+P9Lhe2sLfw9cadpEhUrJe9ZDPjqE3KAmeTyeMiu68Z+EbXxv4dfRdQvb6ztpJFeQ2Uiq0gXnY25WBXOCRjnAqPQvCM2iXXmSeJta1SARGIWl80BiA45ASJTwBjrjnpQBwPiKC2tv2X9Hk09VV7e00yezZByJvMhIYf7RJOfqa9A8W+KbXwppyutu15qd8/k2Gnw48y8mxwB6ADBZjwoH0FZVl8K9Fsrq0232qzabY3H2m00ia6DWlvICSpVdu4hScgFiB6U/WfhtBq/jJvE0fiLXNPvzALdBaSw7Io+4QPExXJ5ODyaAL3w+8MzeE/AenaPfPHLcwh5ZvLHyLJJI0jKv+yCxA9hWR8Kjt0/xUT0HinUjwP8AptXRDw7P/wAIu+jt4h1dpWP/ACEzJELpfm3cMI9nt93p+dZPhL4eQ+D7+4uLPxFrt7HcyyzzW17NE0TyyHLSELGp3E+9AGL458aWevfCvxYugjUEnh0yVmNxp89thCMNgyIoPGelHjyC1tPB/gs6YqqbbWtMWw2ehYLgexQsPpXotzbQ3lpNa3USzQTo0ckbjIdSMEEehBrktJ+GWlaVqFhcNqOrahBpZJ06yvrrzILM42goNoJIUkAsWwOlAFX4qgCz8KkDBPirTc+/72u8rj/Fnw7h8X6hBc3niPXbJLeaK4htrKeJYo5YzlZAGjY7s89a6TSbB9L0uCzkvrrUGiBBubxlaWTknLFQB3xwB0oAq+I/EOm+FdHm1bVWKouI0SNd0s7k/JGi9WYk8D/69eU6hoV/pvhXS5dfgS2fxJ42tb+/sVOUt0kcbYmPRuY49x6Fia7/AMU/D628VeINO1ibWtX0+501GFstlJFsRm6vtkjf58cZ9BVg+CLa78M3mh69qup63b3TBzLfSoJYiMFSjRom0hlDA4zmgDI8SgRfGrwPJb8TTW2oxTlerQiNGAPsH249zVb4jzL4qhb4c6HGk15fLG1/KBmPTbYMG3t/tnbhF6nrwBXQaB4Hs9D1iTVptR1PWNSaD7Ml1qc4keKLOSiBVUAEgEnGTjk1i6d8J49IlvJNL8ZeJ7Vr6dri4ZZrYtJIepLNASfxPFAGz8RlA+FfinuRot2AT1/1LU7StWttE+G+k398JzBFp9sGFvbvO/KKBhEBY8nsKXxb4PXxdpS6dc65q2n2zRSQzrYSxp9pR1CkSbkbPGemOpqx4W8Nf8Itpf2FNY1PVIl2iM6jIjtEoUAKuxF4475oA4/xRrNn4j1zwBNAtx/ZsmuuXF1bSQEypBIY8pIoP3uRx2q/cARftB2RtuHn8NzfagO6rcJ5ZP4s4H1NdN4k8N2HinSRYal5qhJUnhngkMcsEqHKyIw+6w9aqeHfBtn4ev7vUDe3+qaldosct9qMwkl8tc7UG1VVVBJOABknJzQBz/i3/ipvil4Z8ML81rpudd1AdvkOy3U/WQlsei16DWPpnhmz0vxJrGuRSzzXurmLzmmYERrGu1UQADC8k85ySTmtigCnqupafommT6rq1xFa2trGXknk4CL3/PjgdTivGfE9rqNz8OPH/jO6tpNMXxDFaxw2jDbKlpGwTzJB2d0dyR2XA9a9L8aeBrTxvFp8d/qeo2S2E/2iNbJ4wryD7pdXRg23txxk1LYeD1gsb+y1jW9V1+0v4fJlg1R4mUKQQQPLjTqDznPQdKAMH4iww2lz4EewRI5YfEVtDb+WMbYmjkV1H+zsHP0FXPiDrYh0t/C2jW0d9ruuQyQ29nj5Y0YFXnl/uxrkkn+I8DnpNovw403SNVsr6XU9W1RtORk0+LUboSx2YI2nYAoydvy5Yscd6qSfC+H/AISfU9esvFXiKxvNTcGcwTW5AUfdRS8LEIOwzQBt2UeneBfAtmmqXqJaaLYRwSXk3HyogXP44HA6nArnfBi3CXfibx9rFnNp8GsLC8Fl5TPMttAjBXdFBJkcMTtAJA2jrWl4l+Hlt4q0rSbLUtc1hf7LkEyTRSRbp5ABteUNGVYjGRhQMk1qaB4euNEkna48Q6vrAlAAXUXiYR4zyvlxp1zznPSgDiPiF4k0/wAT+AoxZLdixbWbCC+F3ZTW2YmuEyMSKpI6A44rV8ZgRfFD4fy24AuWuryI46tCbZi4PsCqH64rrtb0ax8Q6LdaTq8Ans7pNksZJGR1BBHIIIBBHQgVi6H4DstG1lNWudT1XWb6GE29vNqlwJTbxnG4IAqgE4GWOWOOtAGX4wAHxY+HWBj/AErUDx/16PXeVxGufDKPXfEcOtTeK/EdtcW0jyWiW1xCqWxddjBAYiQCpI5J612VrCbazhgaaScxRqhllILyYGNzEADJ6nAFAGH4t8U2vhTTldbdrzU75/JsNPhx5l5NjgD0AGCzHhQPoK8/sPDU3hfVvhboGqSRy+VcahczKg/dC5MTyKFHopkcL9M112s/DaDV/GTeJo/EWuaffmAW6C0lh2RR9wgeJiuTycHk1dvfA9rqnh220vVdU1S8mtJxc22pvMiXUMoJwysiqowCR93BHXNAGRCip+0FfRwqPLufDMT3agcO4uGVC3qdpYfQVX8STDx14z0zw9oqiS18P6lDqGqagPuQSRfMluh7yEn5sfdXrycV0Oj+CLPRoNUaLUNSudQ1RNlzqlzOGucBSqbWChV25JAC4zzzWR4e+FsfhiC3ttJ8XeI47SCXzfsxlttkhLbm3/uMncepzn3oA2vFvim18KacrrbteanfP5Nhp8OPMvJscAegAwWY8KB9BWR4ajg+F/w30qx1555ZVd/N+wWctwFlkd5WVVjViEBJAJAHA9al1n4bQav4ybxNH4i1zT78wC3QWksOyKPuEDxMVyeTg8mul0fTpNK01LSbUrzU3Qkm5vWQytk5wSiqOOnSgDiLi/t9a+M3hK6Ak+yHRr2ezE8LRMJS8SsdjgEHYT1GcGrPhoCL40+No7biF7XT5ZgOgmKSDP1KqufoK6DxL4TsvE4s5Lie7srywkMtpfWMvlzQEjDbSQQQRwQQQfSneGvCtj4XguhaS3N3c3s3n3d7eS+ZNcPgAFmwBgAAAAAAdBQBzH/I0fHP+/Y+ELL8DeXI/XbEPwLV6DWP4d8M2fhpdR+xyzzy6lfSX1zNcMGdpHxxwAAoAAA7AVsUAZPiPxDpvhXR5tW1ViqLiNEjXdLO5PyRovVmJPA/+vXlOoaFf6b4V0uXX4Etn8SeNrW/v7FTlLdJHG2Jj0bmOPcehYmu/wDFPw+tvFXiDTtYm1rV9PudNRhbLZSRbEZur7ZI3+fHGfQVYPgi2u/DN5oevarqet290wcy30qCWIjBUo0aJtIZQwOM5oAyPEoEXxq8DyW/E01tqMU5Xq0IjRgD7B9uPc1W+I8y+KoW+HOhxpNeXyxtfygZj022DBt7f7Z24Rep68AV0GgeB7PQ9Yk1abUdT1jUmg+zJdanOJHiizkogVVABIBJxk45NYunfCePSJbyTS/GXie1a+na4uGWa2LSSHqSzQEn8TxQB1+sxau+lmPw7c2ltegjbJewtMmO+VVlOffNcF4D1KDwxZeLT4hlnn1e21fzdWe0tXlR3lRPLMUcaltuzbwQSCGz611ut+FH1m5hni8Ra5pckUXlH7BcoqyDOcsrIy7ueoANTeGfCuneFLKeHTjcTS3Uxnurq6lMs1xIQBudj1OABgYA9KAOO8UazZ+I9c8ATQLcf2bJrrlxdW0kBMqQSGPKSKD97kcdqv3AEX7Qdkbbh5/Dc32oDuq3CeWT+LOB9TXTeJPDdh4p0kWGpeaoSVJ4Z4JDHLBKhysiMPusPWqnh3wbZ+Hr+71A3t/qmpXaLHLfajMJJfLXO1BtVVVQSTgAZJyc0AYkgC/tEWgUYA8KzYA/6+4q7yuDk+FaSeJv7e/4TLxQt8I2gV1uYMLEXDmMfufu5A9+Otd5QAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAEN3d21hZy3d9cRW1tCpeWaZwiIo6kseAPc1mad4w8M6xci30jxFpN/OekVrfRysfwViay/it/wAkj8Uf9gyf/wBANUtc8IaDrHwwYXmn2scsemCaG6SJUkt5Fj3LIrjlSCM5oA7qmTTRW8LTXEiRRIMs7sFVR6kmvLB4wuJfh14PvNR8XS6FfajYLJIttpovbm8bYvzKm1sDqSdp+8OR3xNa8S6l4q+CHji2utTlkn0d2iN4bD7M93CUVwHidcoTuIOAOgI60Ae4ghgCDkHkEd6K4C7kvfCvgKObWPHktu0zxLFe3GnQyOgK/wCqjjjQb2OOMhj14NVfh/4yvdR8ZX/h+71W51mBLFL23vLzS2sJl+coyMhRAw+6QwUdSO1AHaeIfEuleFtOS+1y4eCCSZYEKQSTM0jfdUKiliTj0rQtLqK9soLq3LGKeNZELoyNtYZGVYAg4PQgEVxvxO/49vC3/Yzaf/6MqLx5q3iK38Z+ENF8NajHYDV5btLl5LdZQFSIOGAPORyRggE4zkcUAd5VDWdb0/w9pp1DV7j7ParJHEZNjP8AM7hFGFBPLMB+NcMbjxXqXjCTwjp/ih7UaTYpc32qtYwvPcySu/loEK+WqhV5IXJ/Wub8V+JNQ1D4Sa/a+I3jlv8AQdftbKe5giKrcKtxA6yBBnBKsMqM8g4oA9sqFL21lvZrOK5he6gVXlgWQF41bO0svUA7Tgnrg+lcl4M1vVvGlx/wksd0tn4cdWSwsUVHkucHBlmbBKHIOI1II/i9K4y+1zVbD4feJ/HOgzLFqGsa3ClnK6KwNtHOltGCCCMMA5zj/lpketAHs1VdU1K00bSbrU9Sl8mzs4Wmnk2ltiKMk4AJPA6AV51f3XjnR/HWkeHm8TQXkfiC3uH+0yafGhsGh2sxjUfeBD7QHJweSTjBYfFPiLS/DPxF0++1Rb3U/DNuZbTUvs0aM6yW3mpuQDYWU5HTB9KAPTra4iu7WK5t23wzIJI2wRlSMg4PtUleVeJfH9/BqGgaHDqVxpj3WkrqV5qFrpbXspyQqokaoyrltxLMpAwAOtR6d428WT+EfFa6fFd6ve6UYW0+/n0iS2e6jkPznyGC7njAc4UANheOaAPV5JFhieSQ4RFLMcdAKq6Rq9lr2j2uqaTN9osruMSwy7GXep6HDAEfiK4nwbr51Aai8HjttfkgtWZ7K506O1nt37OUCqwHbDKevX1oW/i+6m+EvhbVdX8WnRr/AFKFGknh05bme6baSVjiVSM9CSEOPQZoA9Rorynw98S7q20PxnJqVzNrI8N28d1Bcz2DWMtwkiOVR4yq4IaMjcAAQQcV0vhfTPF8gsNW17xWs4njEtxpkWnxLCu5chEf7/ykj5iTnHTmgDW0zxhomr+Ir3QrG5lbUrFS88EtrLFhQ5TcGdQrDcCMqSD2rbrhIv8Ak4i7/wCxVg/9K5a7ugAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAMjxXoX/AAk/hHVND+0fZf7QtXt/P2b/AC9wxnbkZ+mRXLzeAfEmq6QujeIPGnm6QYxDPb6dpi2rzxgY2NIXcgEcHGCRkZrv6KAOP1nwLNLrGl6r4V1VdCu9Nsm09A1oLiJrclSE2FlxgoMEH86p2XwxVNC8V6bqut3GonxMxee4aJUeNjEEJGDg8jIGAAMDnGa7yigDhLvwFrep6Hp9vqfimOTUtJvI7vTr+HTQgjKIU2yRlyHyGOcFataD4J1DTvG03ifWfELareTaf9hdPsghRAJN42AMdo68HJJJOew7GigDjfiVY6jd6To02ladPqMlhrVpeyW9uUDtHGxLY3EDP41fvPD7a94i8L+I5JJLF9JWeRrKWIM7GaHZtZg2FK98bgf1ro6KAOS17wbe3fidfEXhrXDouptbC0uS9qLmK4iDFl3IWXDKScMD0OOlUJfhhE/ga60L+1pXu77UY9SvdSmhDNPMsqSMdgICgiMKADwMde/eUUAcNq3gzUtLm1vUfAt4tpJqdrL5umSJ+5kumXCTo2R5TZ5bAIbHQHmrep+AYb74b2PhG1u/skNmLQLN5W/PkOj9Mj72zrnvnmuuooAwdT8M/wBpeNdB8Qfa/L/seK6j+z+VnzvOVBndn5cbPQ5z2rKv/h/9ufxu39p+X/wldtHB/wAe+fsu2AxZ+98+c5x8vp712dFAHH6l4Fmmk0jUNE1qTSta0uz+xLeC3WVJ4cLlJIiRkZUMMMCD3q3DoXicaLeQXPi8vqMzI0F3FpsaJbhTkgRkncG5ByxPPGK6WigDjdM8DX6+I5te8R6+NU1E6e+nwGGyW2jijdgzEqGYscgdWx14qinwyuLPQfCkGk6+bXVfDMLw2981mJI5VdQrhoi3cAdGyMV6BRQB5b4R0G0vPF3j7TfEGsHVrzUo4LS8t5kEUjRJCcyKi/djPn7F/wBwnJJNdJ4c8LeI9Bms7afxg1/pFmuyO2l05BM6BSqq8wbnHHIUE45PWuuooA4TSrbVL341alrU+jXdjp8Wjrp0c9yY8Tulw77kCsTtKsCM4PqBXd0UUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAH/9k=)

Wykres 1: Cena zamknięcia WIG20

Powyżej zaprezentowano dane, na podstawie których zostały wykonane obliczenia. Jak widać sygnały do sprzedaży kupna, są bardzo trafne i w większości przypadków są bardzo blisko ekstremów lokalnych.

![Chart

Description automatically generated with medium confidence](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAeAB4AAD/4RDgRXhpZgAATU0AKgAAAAgABAE7AAIAAAAHAAAISodpAAQAAAABAAAIUpydAAEAAAAOAAAQyuocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAE1hY2llagAAAAWQAwACAAAAFAAAEKCQBAACAAAAFAAAELSSkQACAAAAAzY3AACSkgACAAAAAzY3AADqHAAHAAAIDAAACJQAAAAAHOoAAAAIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAyMDIzOjA0OjAzIDExOjQ3OjI0ADIwMjM6MDQ6MDMgMTE6NDc6MjQAAABNAGEAYwBpAGUAagAAAP/hCxlodHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLjAvADw/eHBhY2tldCBiZWdpbj0n77u/JyBpZD0nVzVNME1wQ2VoaUh6cmVTek5UY3prYzlkJz8+DQo8eDp4bXBtZXRhIHhtbG5zOng9ImFkb2JlOm5zOm1ldGEvIj48cmRmOlJERiB4bWxuczpyZGY9Imh0dHA6Ly93d3cudzMub3JnLzE5OTkvMDIvMjItcmRmLXN5bnRheC1ucyMiPjxyZGY6RGVzY3JpcHRpb24gcmRmOmFib3V0PSJ1dWlkOmZhZjViZGQ1LWJhM2QtMTFkYS1hZDMxLWQzM2Q3NTE4MmYxYiIgeG1sbnM6ZGM9Imh0dHA6Ly9wdXJsLm9yZy9kYy9lbGVtZW50cy8xLjEvIi8+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczp4bXA9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8iPjx4bXA6Q3JlYXRlRGF0ZT4yMDIzLTA0LTAzVDExOjQ3OjI0LjY2NjwveG1wOkNyZWF0ZURhdGU+PC9yZGY6RGVzY3JpcHRpb24+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iPjxkYzpjcmVhdG9yPjxyZGY6U2VxIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpsaT5NYWNpZWo8L3JkZjpsaT48L3JkZjpTZXE+DQoJCQk8L2RjOmNyZWF0b3I+PC9yZGY6RGVzY3JpcHRpb24+PC9yZGY6UkRGPjwveDp4bXBtZXRhPg0KICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICA8P3hwYWNrZXQgZW5kPSd3Jz8+/9sAQwAHBQUGBQQHBgUGCAcHCAoRCwoJCQoVDxAMERgVGhkYFRgXGx4nIRsdJR0XGCIuIiUoKSssKxogLzMvKjInKisq/9sAQwEHCAgKCQoUCwsUKhwYHCoqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioq/8AAEQgCmAOIAwEiAAIRAQMRAf/EAB8AAAEFAQEBAQEBAAAAAAAAAAABAgMEBQYHCAkKC//EALUQAAIBAwMCBAMFBQQEAAABfQECAwAEEQUSITFBBhNRYQcicRQygZGhCCNCscEVUtHwJDNicoIJChYXGBkaJSYnKCkqNDU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6g4SFhoeIiYqSk5SVlpeYmZqio6Slpqeoqaqys7S1tre4ubrCw8TFxsfIycrS09TV1tfY2drh4uPk5ebn6Onq8fLz9PX29/j5+v/EAB8BAAMBAQEBAQEBAQEAAAAAAAABAgMEBQYHCAkKC//EALURAAIBAgQEAwQHBQQEAAECdwABAgMRBAUhMQYSQVEHYXETIjKBCBRCkaGxwQkjM1LwFWJy0QoWJDThJfEXGBkaJicoKSo1Njc4OTpDREVGR0hJSlNUVVZXWFlaY2RlZmdoaWpzdHV2d3h5eoKDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uLj5OXm5+jp6vLz9PX29/j5+v/aAAwDAQACEQMRAD8A+kaKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKzfEHiHTPC2iTavr1z9lsIColm8t327mCjhQT1IHTvWlXP+PdD/wCEk+H2uaQF3PdWUixD/poFyn/jwFAF3xB4j0nwtoM2s69eLa6fBt8ybYz43MFGAoJOSR0FF14i0qy8MN4hubxU0pbYXRudrEeURkNgDJyCOMZryWPVI/iB4L+FujXH75NUmFxfA8h0s42EgPsZAtZepXs998BdE8EvITqFzrieGpsdVEM5yfoEjTP1oA9oj8WaLLqel6el4fterWxu7KIwuDLEACWyVwvBHDYPtUXiTxv4b8IeUPEWrQ2ck/8AqoSGeST3VFBYj3ArktejSH9oPwXHEoVE0q9VVHQAAYFQ/Ce3i1vxP418Vaggm1P+3Z9NhkcZaC3hChUX+797nHXAoA6zw98Q/Cniq9ay0PWYZ7tV3G2kR4ZcdzskCsR+FVNY+K/gnQdTn0/U9djS6tzieOKGWbyT6OUUhfxIqtD460C/+IGm6PeaDqtpq8r3EdhdX+mGFXEaEyeXI3Vdo7cHK+oroNd1XRPB/h6/1fVPIs7KMNNcFUAMrHtj+JmPHqSaANDTtSstX02HUNLuoru0nXfFPC4ZXHsRXNWvxV8E3uuLpFr4htpLt5fJTCuI3k/uLKV2MfYNzXnel2mreEv2YfEl5NA+nT34uru2tOjWcUxCqnsQDu9s+tdB4l8O6fD+zHNp8UKJFZaGlzEVGCsqRiQOD2YsCc+59aAPUqwL3xx4d07xjZ+Fb3UhDrV7GJLe2MT/ADqd2Pn27R9xuCc8e4q14VvptT8HaNf3JzNdWEE0hPdmjVj+prxr4m6Tcal8YtTutNGdT0fwvDqlicciWC734/FQy/8AAqAPYvE/ivRPBuj/ANqeJb4WNn5ixCQxu+WOcAKoJPQ9u1aNleQajp9ve2b+Zb3MSzRPtI3IwyDg8jg968L+JurW/wARLGaSwPmaVo3hmbWZecj7RcRFYEb/AGlTe1df4g8RS+Gv2ebG5ssnULrSrWyskX7zTyxqi7fcZLf8BoA7Dwz4z0DxjHdyeGtRS+Wym8icqjrsf/gQGR7jIPrU3iLxVofhOxW88RanBYQu21DK3zSH0VRksfYA15f4Y8PRfCb4m6BpkGF0/wARaQtlOw+61/bjdvP+8rMAO5NavhyCPxF+0D4vv9UQTP4dgtLTTkkGRAJULu4HZiR164OKAOp0D4k+EfE+pjTtG1mOW+KlltpopIJHAGSVWRVLcAnjPAqjefGHwPYaleWFzq8q3FlO9vcBdPuXWORThlLLGV4+tddPp9pc3dtdXFtFLcWjM1vK6AtEWUqSp6jKkg/WvPvhB/x/+P8A/sbbz+SUAdtoPiTRvFGn/bfD2pW+oW+dpeBw20+jDqp9jitOvLL21h8OftI6K+kxrbp4j024TUIoxhZHiG9ZSP73bP19TXqdABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFMlmigj3zyJGmQNzsAOfrQA+ioPt1p/wA/UP8A38FH260/5+of+/goAnoqD7daf8/UP/fwUfbrT/n6h/7+CgCeioPt1p/z9Q/9/BR9utP+fqH/AL+CgCeioPt1p/z9Q/8AfwUfbrT/AJ+of+/goAnoqD7daf8AP1D/AN/BR9utP+fqH/v4KAJ6Kg+3Wn/P1D/38FH260/5+of+/goAnoqD7daf8/UP/fwUfbrT/n6h/wC/goAnoqD7daf8/UP/AH8FH260/wCfqH/v4KAJ6Kg+3Wn/AD9Q/wDfwUfbrT/n6h/7+CgCeioPt1p/z9Q/9/BR9utP+fqH/v4KAJ6Kg+3Wn/P1D/38FH260/5+of8Av4KAJ6Kg+3Wn/P1D/wB/BR9utP8An6h/7+CgCeioPt1p/wA/UP8A38FH260/5+of+/goAnoqD7daf8/UP/fwUfbrT/n6h/7+CgCeioPt1p/z9Q/9/BR9utP+fqH/AL+CgCeioPt1p/z9Q/8AfwUfbrT/AJ+of+/goAnoqD7daf8AP1D/AN/BR9utP+fqH/v4KAJ6Kg+3Wn/P1D/38FH260/5+of+/goA8m+GXw81/wAN/EjV7rV7ZYtEsRcxaIfNRtyTz+Yx2gkqQFA5A60QfDzX1/aA/tWS2UeFYLmbVIZPNT5rqWBI2BXO77y7gcY969Z+3Wn/AD9Q/wDfwUfbrT/n6h/7+CgDj9Z8Papd/Gbw1rtva79NsbG6huJ/MUbHcDaNpO459gazX8P+KPA/i/V9W8G6db65pOtzfarvS5LoW80FwRhpI3YbSG6kHBzjFehfbrT/AJ+of+/go+3Wn/P1D/38FAHnkOl+LfFfxK8M+Itb0CDw9Y+H1u/3Ul+lxNcNPF5fAjG1QMA8msXxHYeN9Y+Jh1DV/BM2s6BpMmdIs4tTto4pJB/y8SB3yzf3QQNv559d+3Wn/P1D/wB/BR9utP8An6h/7+CgDnntb7xz4G1TTPE+iS6A99HJa+S9zHcMFKjEgaMkdT0/2a4WbRfiPq3gKH4fX+jWlrD5SWNz4hW/R0e2TALLDjfvZBjBwMk9M8et/brT/n6h/wC/go+3Wn/P1D/38FAC2dpFYWMFnbLtht41ijX0VRgD8hXHR+HtTHx2uPEL2v8AxKZPDq2Qn8xeZhcbym3O77vOcY967D7daf8AP1D/AN/BR9utP+fqH/v4KAPPbj4V2Phv4ZeLdF8HQ3FxdazBKUS4lXJYx7UjViFAQdBnpk81Q1bwBqfiufwNoOv6cw8OaRpwm1LF0F8y6WIRpENjb8qcncOMHrXqP260/wCfqH/v4KPt1p/z9Q/9/BQB5T4v+CWj2egnUfh7pckHiTT54rqwL6hM4Z0cEr+9kKjIB5OPrWvq3h3xLpPjP/hN/CFlBc3Go2kcOsaJdXAiMpQfIySjKh1Hy88ED3rv/t1p/wA/UP8A38FH260/5+of+/goA5bR9Y8c6tr1qNR8LW2gaVHuN09xqCXE03yEKsax/KvzbSSx6A1ynhuPxx4N1rxWlt4Fl1W31TXbi/t7ldUtoVMb4C5DMWH3c9O/SvVPt1p/z9Q/9/BR9utP+fqH/v4KAOH8M+Fdfv8Ax5J428bi1trxLU2enaZaSGVbSMnLMz4G5z0yBjH4Y7+oPt1p/wA/UP8A38FH260/5+of+/goAnoqD7daf8/UP/fwUfbrT/n6h/7+CgCeioPt1p/z9Q/9/BR9utP+fqH/AL+CgCeioPt1p/z9Q/8AfwUfbrT/AJ+of+/goAnoqD7daf8AP1D/AN/BR9utP+fqH/v4KAJ6Kg+3Wn/P1D/38FH260/5+of+/goAnoqD7daf8/UP/fwUfbrT/n6h/wC/goAnoqD7daf8/UP/AH8FH260/wCfqH/v4KAJ6Kg+3Wn/AD9Q/wDfwUfbrT/n6h/7+CgCeioPt1p/z9Q/9/BR9utP+fqH/v4KAJ6Kg+3Wn/P1D/38FH260/5+of8Av4KAJ6Kg+3Wn/P1D/wB/BR9utP8An6h/7+CgCeioPt1p/wA/UP8A38FH260/5+of+/goAnoqD7daf8/UP/fwUfbrT/n6h/7+CgCeioPt1p/z9Q/9/BR9utP+fqH/AL+CgCeioPt1p/z9Q/8AfwUfbrT/AJ+of+/goAnoqD7daf8AP1D/AN/BR9utP+fqH/v4KAJ6Kg+3Wn/P1D/38FH260/5+of+/goAnoqD7faZA+1Q5JAH7wck9BU9ABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHLeOvFWreE9Ik1HS/Db6zBb281zdSfbUt1gSNdxzuBLEjOAoPSpdU8Z2+keBrbxFc2ssjXccHkWUJDSSzTbQkSk4ySWAz6ZNQfE68tbb4X+JY7m5hhebSLtYlkkCmQ+S3AB6nkdPWuR8S3ls3ww8FarFcRTWei6jpd1fvE4cQxqArM2Om0uCfpQB1uieMb+48TJoHifQv7E1C4tmubTZdrcxXCKQHAcKuHXcuVx0OQTWTdfFC6jtr/WbHwzPeeGNOneG41NbpRIRG22SSOHGXRSDzuBO04FJqt/aa98Z/CEejXUN5/Zdpe3d28EgdYo5ESNMkcfM3IH+zmuY0bXdN0T9nfWdE1K6hj1Swiv9Omsmcea07ySBFC9Tv3qRjruoA9nhmjuII5oHEkUih0dTwwIyCK4r4t2sF74Kt7e7hSaGXV9PR45FyrKbqMEEehBI/Guj8LWU+m+D9GsbsYuLWwghlB/vLGoP6iuA+IHhvU7HTbO+ufFuq39v/bdgfsM8duIubuPAysYbjPHPbnNAHU/8Kt8B/8AQn6L/wCASf4Uf8Kt8B/9Cfov/gEn+FdHfyNHYyMh2tgAEducUwaZa45jJPqWPP60Ac//AMKt8B/9Cfov/gEn+FH/AAq3wH/0J+i/+ASf4V0P9m2n/PL/AMeP+NH9m2n/ADy/8eP+NAHPf8Kt8B/9Cfov/gEn+FH/AAq3wH/0J+i/+ASf4V0P9m2n/PL/AMeP+NH9m2n/ADy/8eP+NAHPf8Kt8B/9Cfov/gEn+FH/AAq3wH/0J+i/+ASf4V0P9m2n/PL/AMeP+NH9m2n/ADy/8eP+NAHPf8Kt8B/9Cfov/gEn+FH/AAq3wH/0J+i/+ASf4V0P9m2n/PL/AMeP+NH9m2n/ADy/8eP+NAHPf8Kt8B/9Cfov/gEn+FH/AAq3wH/0J+i/+ASf4V0P9m2n/PL/AMeP+NH9m2n/ADy/8eP+NAHPf8Kt8B/9Cfov/gEn+FH/AAq3wH/0J+i/+ASf4V0P9m2n/PL/AMeP+NH9m2n/ADy/8eP+NAHPf8Kt8B/9Cfov/gEn+FH/AAq3wH/0J+i/+ASf4V0P9m2n/PL/AMeP+NH9m2n/ADy/8eP+NAHPf8Kt8B/9Cfov/gEn+FH/AAq3wH/0J+i/+ASf4VuiFLS/gWDKrKGDLkkHAyKvUAcp/wAKt8B/9Cfov/gEn+FH/CrfAf8A0J+i/wDgEn+FdXRQByn/AAq3wH/0J+i/+ASf4Uf8Kt8B/wDQn6L/AOASf4V1dFAHKf8ACrfAf/Qn6L/4BJ/hR/wq3wH/ANCfov8A4BJ/hXV0UAcp/wAKt8B/9Cfov/gEn+FH/CrfAf8A0J+i/wDgEn+FdXRQByn/AAq3wH/0J+i/+ASf4Uf8Kt8B/wDQn6L/AOASf4V1dFAHKf8ACrfAf/Qn6L/4BJ/hR/wq3wH/ANCfov8A4BJ/hXV0UAcp/wAKt8B/9Cfov/gEn+FH/CrfAf8A0J+i/wDgEn+FdXRQByn/AAq3wH/0J+i/+ASf4Uf8Kt8B/wDQn6L/AOASf4V1dFAHKf8ACrfAf/Qn6L/4BJ/hR/wq3wH/ANCfov8A4BJ/hXV0UAcp/wAKt8B/9Cfov/gEn+FH/CrfAf8A0J+i/wDgEn+FdXRQByn/AAq3wH/0J+i/+ASf4Uf8Kt8B/wDQn6L/AOASf4V1dFAHKf8ACrfAf/Qn6L/4BJ/hR/wq3wH/ANCfov8A4BJ/hXV0UAcp/wAKt8B/9Cfov/gEn+FH/CrfAf8A0J+i/wDgEn+FdXRQByn/AAq3wH/0J+i/+ASf4Uf8Kt8B/wDQn6L/AOASf4V1dFAHKf8ACrfAf/Qn6L/4BJ/hR/wq3wH/ANCfov8A4BJ/hXV0UAcp/wAKt8B/9Cfov/gEn+FH/CrfAf8A0J+i/wDgEn+FdXRQByn/AAq3wH/0J+i/+ASf4Uf8Kt8B/wDQn6L/AOASf4V1dFAHKf8ACrfAf/Qn6L/4BJ/hR/wq3wH/ANCfov8A4BJ/hXV0UAcp/wAKt8B/9Cfov/gEn+FH/CrfAf8A0J+i/wDgEn+FdXRQByn/AAq3wH/0J+i/+ASf4Uf8Kt8B/wDQn6L/AOASf4V1dFAHKf8ACrfAf/Qn6L/4BJ/hR/wq3wH/ANCfov8A4BJ/hXV0UAcp/wAKt8B/9Cfov/gEn+FH/CrfAf8A0J+i/wDgEn+FdXRQByn/AAq3wH/0J+i/+ASf4Uf8Kt8B/wDQn6L/AOASf4V1dFAHKf8ACrfAf/Qn6L/4BJ/hR/wq3wH/ANCfov8A4BJ/hXV0UAcp/wAKt8B/9Cfov/gEn+FH/CrfAf8A0J+i/wDgEn+FdXRQByn/AAq3wH/0J+i/+ASf4Uf8Kt8B/wDQn6L/AOASf4V1dFAHKf8ACrfAf/Qn6L/4BJ/hR/wq3wH/ANCfov8A4BJ/hXV0UAcp/wAKt8B/9Cfov/gEn+FH/CrfAf8A0J+i/wDgEn+FdXRQByn/AAq3wH/0J+i/+ASf4Uf8Kt8B/wDQn6L/AOASf4V1dFAHKf8ACrfAf/Qn6L/4BJ/hR/wq3wH/ANCfov8A4BJ/hXV0UAcp/wAKt8B/9Cfov/gEn+FH/CrfAf8A0J+i/wDgEn+FdXRQByn/AAq3wH/0J+i/+ASf4Uf8Kt8B/wDQn6L/AOASf4V1dFAHKf8ACrfAf/Qn6L/4BJ/hR/wq3wH/ANCfov8A4BJ/hXV0UAcp/wAKt8B/9Cfov/gEn+FH/CrfAf8A0J+i/wDgEn+FdXRQByn/AAq3wH/0J+i/+ASf4Uf8Kt8B/wDQn6L/AOASf4V1dFAHlnj/AMA+EtF0GxvdJ8OaZZXSaxp6rNBaojAG6jBGQO4JFep1xnxS/wCRTs/+w1pv/pXFXZ0AFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAZur+HdE8QCIa9o+n6mIc+UL21Sby84zt3A4zgdPQUum+HdE0ezmtNI0ewsLac5mhtbVIkk4x8yqADxxzWjRQBR0vQ9J0OOSPRdLstOSRtzraW6RBz6kKBk0ybw9otxq6arcaRYS6jHjZePbI0y46YcjI/OtGigArjPil/wAinZ/9hrTf/SuKuzrjPil/yKdn/wBhrTf/AErioA6nUv8AkHS/h/MVJdXltYw+be3ENvGTtDzOEGfTJqPUv+QdL+H8xUeraNp+u2YtNWthcQBw4QsR8wyAeCPU042v72xMua3u7kf/AAkeif8AQY0//wACk/xo/wCEj0T/AKDGn/8AgUn+NZP/AArfwl/0Bo/+/sn/AMVR/wAK38Jf9AaP/v7J/wDFVvbD939y/wAzC+I7L73/AJGt/wAJHon/AEGNP/8AApP8aP8AhI9E/wCgxp//AIFJ/jWT/wAK38Jf9AaP/v7J/wDFUf8ACt/CX/QGj/7+yf8AxVFsP3f3L/ML4jsvvf8AkdJBcQ3UCzWssc0T/dkjYMrfQipKrafp9rpVhFZafEIbeIEJGCTtyc9+epqzWDtfQ6Fe2p418MfE2pWXizWYvEerXN1p+pT30tk95Ozi2a1uGWSNck4Xy2RsdPlapvhbrms6n4+12/1vUbs2eoabDqltZ3EzGK0hkllEYVScL+6VCSMck1btPhZLrvgi40jxA9xpVwNbvbyGa2kRnMMzyKVyCeHjkII688jim+LfCXiSXXvEX/CM6eFttV0ez0mCdZo0EKea4mbBYH5Y2445JGM0hkPg/X9Y/wCEw0/xDql/dSaN4ykuYrO1mkPl2ZjO622qeFMkSOTjqSK2JW1Hx18Qtc0j+2L7StE0AQwsmmzeTLdzyJvJaQfMqqpAwuMkk5qj4i+ENva+F9/hO71eTVdL8u50qC51WWSFZYiCihHbYMgFR0Az2rRfTPEnhzxdfeJdB0ZdTttehgbUNLN0kU9tcRptDIzHYwK8MMjkAgmgCHxjpV/4P+Fviy4sPEmsXI+wmS1N3cl5bRwDkpNw/OV6k428Hmm6l4R1LR/CEut+GfFWvJqdrafakiv9Qe7gnKpuKOkpPDYIyCCM5qz4lh8WeL/hz4nsLjw7Hp011Z+TYWhvY5JpXOdxdh+7Ufdx8x75PSodQufHWveGX0Cx8Kf2I91bfZZdR1C/hkWBCu1mVImYs2M4BwM4yaAOy8Ma0viPwnpWtJH5Q1C0iuPLznYXUEr+BOK1Ko6HpMGgeH9P0izJMFhbR28ZbqVRQoJ9+KvUAVbj/kI2n/A/5Vaqrcf8hG0/4H/KrVABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAFaHUrO5vriyguY5Lm22+dErZZM8jNWa8v8F3kS/F7xNFJIivI0gQMwySJAMD/AD2r1Ctq1NU5cqfRGVGcqkOaStuFFFFYmoUUUUAFFFFABRRRQBxnxS/5FOz/AOw1pv8A6VxV2dcZ8Uv+RTs/+w1pv/pXFXZ0AFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVxnxS/5FOz/7DWm/+lcVdnXGfFL/AJFOz/7DWm/+lcVAHU6l/wAg6X8P5irVVdS/5B0v4fzFWqACiiigAooooAKKKr6hfQaZptzf3j7Le1heaVsZ2ooJJ/IUAWKK4jSfGXijWYLHULbwQy6TfbJI5n1SMTrC+CJGi24HynO0OT+NX7TxxaPceKv7SiWxtPDcwSa5aTcJF8lZC2MDGN2Mc5x74oA6iiuGtfGfi3UrNNS0zwFI+nSqJIftGqRw3MiHkN5RUgEjnDODTPHHxPXwTbeH7m50S5mi1ZiZ1aTZLZRqgeRmQBtxVdxIyPunmgDvKK5/VPFcen+JvDWlQ263MevvOqXKzYEQjhMoYDB3bsY6jrnmszxx8RIvBmp6danTmvlnHn3siTbPsNsJI4zMRg7gGkHHHQ88UAdnRWD4r8Tf8Ixb6VJ9k+1f2hqttp2PN2eX5z7d/Q5x1xxn1Fb1AFW4/wCQjaf8D/lVqqtx/wAhG0/4H/KrVABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFY3i/UrnSPB2qX9iM3EFs7RnGdpx978Ov4Vs1HcJFJaypcqrwshEisMgrjkEemKmSbTSNaM4wqxnNXSabXfyPjqW4mmuXuJpXeZ3LtIzEszE5JJ9c19NfC3V73Wvh/ZXOpM0k6M8XmucmRVOASe57Z9q8V0bwjp+p31k1xLNHDcSjfGhHC78cE+xr6Q03TrXSdNgsNPhWG2t02Rxr2H9T714+XwlGvUjf4W0/W//APvOJ82wmNwVFUY6ytJXVrK234rTYs0UUV7R+fBRRRQAUUUUAFFFFAHGfFL/kU7P/sNab/6VxV2dcZ8Uv8AkU7P/sNab/6VxV2dABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFcZ8Uv8AkU7P/sNab/6VxV2dcZ8Uv+RTs/8AsNab/wClcVAHU6l/yDpfw/mKZqsWozWYXSLiOCfeCXlXI285HQ+1P1L/AJB0v4fzFWqiceeLje3oVCXJJSt95zP2Hxh/0FrL/v1/9jR9h8Yf9Bay/wC/X/2NdNRXH9Rj/PL/AMCZ2fXZfyR/8BRzP2Hxh/0FrL/v1/8AY0fYfGH/AEFrL/v1/wDY101FH1GP88v/AAJh9dl/JH/wFFbT0u47CJdRlSW5AO90GAefoO2KNSNmuk3Z1QxixEDm5Mv3PL2ndu9sZzVmkZVdCjqGVhgqRkEV2xjyxSOOT5m2eJ675Pw68P2+r/D/AMdT31uk0MdtoFxdx3kN0jOq+TCfvrwcjBPSjXdIvdd0L4v6fpcTTXUl9A6RIMmTZBC5UDuSFIx3zXq1p4S8N6fqH26w8P6Xa3gOftENlGkn/fQGa0LextLSe4ntbWGGW6cPPJHGFaZgAAzEfeOABk9hVEnD614u0zXvAf8AbHhzxnHowigafMTW5bIQnynWVW2kHgjAORXPi5m8R3XwguNdxdzaja3TXfmIAJS+ntvyoAHOTwBXo8/hDw1daidQufD2lTXpbcbmSyjaQn13Fc5rQmsLO4ura5ntIJbi0LG3leMFoSw2sUJ5XIODjqOKAPEdJluNF+LngzwPqLO8ug3d6bGZ+TPYyWkhhOe5XDRn/cFaEY8ReMNc8X6rpXh+w1bSNTVtFt5brUTARBDuR9gEbZDSM7Zz2HpXrU2kabcapb6ncafay39qrLBdvArSxAgghXIyoIJBwe5qSxsLPS7KOz0y0gs7WLPlwW8YjRMnJwowBySfxoA8Zutbnvvhj4Pj1uRY9R0bxXY6dqRZ+Flgm2lifdQrZ/2q9jtdW06+mMVlqFrcSAbikMyuceuAarXfhjQb+G4hvtE025iuphPOk1pG6zSAYDsCPmbHGTzTNL8I+G9DuzdaJ4f0rTrgoUM1pZRxOVOCRuVQccDj2oAu3H/IRtP+B/yq1VW4/wCQjaf8D/lVqgAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKrRajZT3clrDeW8lxFxJCkql0+q5yKs0Daa3CiiigQUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABWd4imNt4X1SdesdnM4/BCa0axfGT7PBGsn/pylH5qRV01eaXmRUdoN+R4vpebYadIOgTP4nDf0r6CByMivAoxs0LTp+xmjj/OJq9y0q4+16PaTj/lpCjH645rx8HpXm/5rv/ypNf5HrYrWhBfy2X/kkH/mW6KKK9U8wKKKKACiiigAooooA4z4pf8AIp2f/Ya03/0rirs64z4pf8inZ/8AYa03/wBK4q7OgAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACuM+KX/Ip2f/AGGtN/8ASuKuzrjPil/yKdn/ANhrTf8A0rioA6+4hFxbvExwGGM+lQAagBjNucdzu5q3RQBV/wCJh/07f+PUf8TD/p2/8eq1RQBV/wCJh/07f+PUf8TD/p2/8eq1RQBV/wCJh/07f+PUf8TD/p2/8eq1RQBV/wCJh/07f+PUf8TD/p2/8eq1RQBV/wCJh/07f+PUf8TD/p2/8eq1RQBV/wCJh/07f+PUf8TD/p2/8eq1RQBV/wCJh/07f+PUf8TD/p2/8eq1RQBVjgne5Wa6aPKAhVjBxz35q1RRQAUUUUAFFFFABRRRQAUUUUAFFFFAGb4i1gaB4dvNTaLzfs8e4JnG4kgAZ+pFLoGq/wBueH7LUvK8k3MQcx5ztPcZrz/42+KX0zRYNDtlHmagN8rn+BFYEAe5I/IH1rhPh98StX0TVrHTby4NzpUkiwtE6jMQY43KevBOcdOtc9TG0Kb9k0+a+/Q+gwnDWYYvDPGQa5LOy6uz9Pu1Poyiiiug+fCiiigAooooAK5D4pave6L8P72501mjndki81DgxqxwSD2PbPvXX1z/AI88r/hAdYFwiujWrLhhnk8A/UHBqZU5VE4Rer0OjC16eGrwrVY3jFptd0tT5XhuZ7e5W4gmkjnRt6yoxDBvUH1r6v8ACGpXOr+DtLv74YuLi2RpDjG44+9+PX8a+doNJ0HSp7O81t7me2YI720WA0nGSoPHH5fWvYfCHxY0DXr6DR47WXTJWAjtkk2mNsDhQR0PoMV4mXzjCpKMnbp8z9D4mk8zwlOthaTlGOrlbZW27+b6Kx6DRRRXun5oFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVzfxBl8r4f6s3rCF/NgP610lct8SPm8B3sf8Az0khT85Uq6clGak9kzOrFypyit2jzq5sGi+HNrcn/ljqkIP0CEH9SK9T8HPv8JWJ/wBlh+TkVyOq2P8AxZd2A+dXW4/8jD/2Wuo8DNu8J24/uu4/8eJ/rXj4a9qEnu4y/Fxl+p62IteulspR/BSj+h0NFFFeqeaFFFFABRRRQAUUUUAcZ8Uv+RTs/wDsNab/AOlcVdnXGfFL/kU7P/sNab/6VxV2dABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABVXUdTsNHsXvdWvbextI8B57mVY41ycDLMQBkkD8atVzPxC8M3fi/wbPpGnzW8E8k8EqvcKWQeXMkhyByeFxigDR0nxT4f1+aSHQtd03U5Y13OlneRzMgzjJCk4FSQ+INGuNXfSoNXsJdRjzvs0uUMy465QHI/KvPrnxHrnhS61bSNasdIW9l0S61DTdQ0iBoVkMK5aN0YsQwJUg5II96x9Z0PTdE/Z40bW9NtYY9UsIrDUYb1UHmvO8kZdi3U797A567qAPaq4z4pf8inZ/8AYa03/wBK4q7OvK/iB4k1O+02zsbnwlqthb/23YD7dPJbmLi7jwcLIW5xxx35xQB6pRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABWd4g1T+xPD19qQQO1tCXVScBm7A/jitGuC+MesJpfgKSDd+9vZkiRR3AO4n6fLj8aFKEHzVNluaU8PWxM1RoK85aL1NL4da9feI/CzXmqSLJOtw8e5VC8DBHA+tdXXzf4F+KF94TZbK4giuNMkm3yqFxImcAlT9AOD+lfR0ciTRJJEwZHUMrDoQehqFiaOInKVLY7cbk2NyqMIYu12t07rTc8r+N+kRX9ro8seFvPOeJGJ4KEZIP4gfma5b4bfDabU9eS/1SaJLbT5EkaFTuaVskqPQLkc/l713XxWObnQE9ZZm/JRR8MJSLzUYT1y2R/uyMP615eLhFY2lpo1r6+9b/wBJPYy7OcZSyyth4S0V7d0vdvb/AMC+R6LRRRXrnywUUUUAFFFFABXK/Ex9nw61U/7MY/OVBXVVyXxNG/wHdRf89ZoU/wDIi1pSko1IyeyZlWi5U5RW7TPnrxTdifVfIQYW2URg+p70vg3S7vWPGWmWlhkS/aEkLj/lmqncW/ADNd1qfwl1HXbC31nQ5oWkuFJmt5m28hiAVPTkAZBxVz4SeHW0LxveJqe37ZFHJbhVOQjAqSc98ivkqNGb5JzVlK34n7NPOcDhstlSoTTnGLXL1ut9O3U9rooor6k/HgooooAKKKKACiiigAoqvfX9pptm91qFzFbW8f3pZXCqPxNUtI8UaJrzumj6pbXciDLJG/zAeuOuPepcop2bNY0asoOpGLcVu7aL5mrRRRVGQUUUUAFFFFABRRRQAUUUUABIAJJwB1Jrirj4t+D7fUzZtqTPhtrTxws0YP8AvAc/UZFbXjSC8uvBOrw6buNy9o4QL1bjkD3IyPxr5O6da87GYqdBpRR9nw3kOGzSnUqV5PR2srfe9H8j7IgniureOe2kSWGVQ6SIcqwPQg1JXFfCS3vLf4b2C34ZdzO8Kt1EZYlfz5I9iK7Wu6nLngpPqfLYygsNialGLuotq/ezCvLPEfxHtNI+KtnGdVkOlW8BivYoQXRZDv6gdSDs6dMEeor028WZ7GdbVts7RsI2PZscH86+PbmGa3upYbpHSeNysiuPmDA8g++a5cVi54a3Ik733PoOHciw+buft5tKFtE7N7+umh9f6dqVnq2nxX2m3CXNtMMpIhyD/gfarNeY/Aq3vIvB93JcBltprotbhu+FAYj2yMfUGvTq6KNR1Kam1ueLmWFjg8ZUw8JXUXa/9de4UUUVqeeFFFFABRRRQAUUUUAFcZ8ULjyvDNrFnm4v4kx7DLf+yiuzrzv4sOSdCizw1xI+P91R/jUz/hzfaMn9ybHH44ru4r72kbEtsJvhNcRHvpsjD67Sw/WpPh8+/wAL/Sdh+gP9atwxbvh+sX97TcfnHWX8M5N/hmQf9N8/mi158VZ4f0a/CP8AkehJ3WI9U/xl/mdjRRXF+PfHo8H3GnQRJC8tzJul83OFiBwcY7nsfY8V6kVd2POtJu0U2+yV39yO0oqppurWGs2gutKvIbuAnG+FwwB9D6H2NW6hNNXRUoyhJxkrNBRRRTJCiiigDjPil/yKdn/2GtN/9K4q7OuM+KX/ACKdn/2GtN/9K4q7OgAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigArM16x1TUNPWLQ9X/sm6WQOJzbLOrAZypRiODnsQeK06KAOP0nwNcL4gl1zxZrJ16/a0ayhUWq28EELHLhYwWyWwMsWJxxWba/C+7jtdP0a+8TTXnhjTp0mt9Ma0VZGEbbo45Js5dFIHG0E4GTXoVFABXGfFL/AJFOz/7DWm/+lcVdnXGfFL/kU7P/ALDWm/8ApXFQB2dFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFeZ/G6xF94b0xIhm6N8EiBOMhkbI/PbXplecfFhy934ftlOCZpZuP9gKf60pQhOMlPazf3Js2w+KrYStCtQdpJq3zdv1PIfDHgLVvEeupYLGLZFO6aWRh8ijGSB3PPAFfUNvAltbRQQjEcSBFHoAMCvJfAjmDx2YyeGPP/AAKEH+levV5eWw5YS5t9Pxin+p9BxBmtbMakObSKvZL/ABNP8jzf4o5k1rQY15KLcOR9dgFHgtRY+P8AVbQn/lpMgHvuV/8AGrHi9Rc/EbRrduQIkz9Glwf/AEGsuGR7P40XyjgG6i/8iRgH+dVifeqTqf8APv2f/pTv/wClnlYf3YQh/wA/Paf+kr/5A9Uooor0zzgooooAKKKKACuQ+JbY8Jov968hH/j2f6V19cT8UpdugafGOsmoIPwCOf6CoqO1OT8n+TKjrOK81+aOg8Lrt8L2A/6ZA/nzXFBjp/xoud6FEmkiZCf4w8Wwkf8AAgR+Fd14eG3w3pw/6dkP/joriPHjG38eaTODj/RuD7rKD/WuGatgL/yqL/8AAWn+h2xd8d6uS+9NfqekUUUV6JwBRRRQAUUUUAFFFFAHi3x+ubsTaNa7iLNlkkwDw0gIHP0B4/3jXmnhK4vLbxhpUmmFvtP2qNUC/wAWWAIPsQSD7V678R7KPW/H9jpt0nmQ/Y0wucYZ5SMj3wBUHww0XStN8XX0Ys1e6t3lijmkO5oyjYOPTIPXrXiYqi/rV76Xj8m07fl+KP0LKc/w9DKPq84e9adl0lZ6t/f9yZ69RRRXtn56FFFFABUdxOltbSzzHEcSF2OOgAyakpskaTRPHKoZHUqynoQeooGrX1PmzWfi14p1HVXubPUHsLcOTDbwquFXtnI+Y+ua9i+GPjGfxh4beXUFUXtrJ5UzIMCTjIbHbPOR6ivCtQ8I3A1i+i01ka1gvJYEMj/MArcZ49CK9/8Ah94Qi8H+GltVmW4uLhvOnmUYDEgYA74A/qe+K8bCuusTKnN6rdX+4/Qs+qZPPK6c8Ild25bKzt1v/wAHqdTRRRXsn54FeFaLpFnffF65ur22gltv7UuEMUiBgxJYLx04JU17rXiulyLD4tRx1fUnlJ/7bVx43FPDULpJuUktVfTVv8EduAozq1/dm4pRb0bV9klp5vY9qAAAAGAOgooorsOIK8G1+O01zxdrF/c2scm28MCEr2QBM/jjNe818/WRMkepzHnN2Xz9ZUH9a4MzjzYKSW7cV+P/AAD0MrrTo46Mou1lJ/h/wT3TRgg0Kw8pFRPs8ZVVGABtHQVdrN8Ovv8ADenn/p3QfkMVpV1UHzUovyRyVlarJebCiiitTIKKKKACiiigAooooAK82+Kr/wDE38PR/wDXwx/75SvSa8u+J77/ABbo8f8AzztpH/M4/pWVd2w9V/3J/wDpLNKKvXpL+/D/ANKR6DZxbvDcEPraKv8A45iuT+FNwsmhTxjqvlsfxXH/ALLXb2qGKzhjPVY1U/gK8z+EkhjuLi2zwImz/wABkwP51z1Y8kaM+0kvvjL/ACRvTlzSqw7xb+6Uf82eo18yfFa4vJ/iTqa3xb90ypCp6LHtBXH1zn6k19N14b8StOg1Lxvq8lwhY21vHsIOOfL3UY2k6lHR7NfO7SS/E9fh3M6WXY32lWN001ddLLmv+BQ+BlxeJ42ngtyxtZLVmuF/hGCNp+uTj8TX0DXC/CjTrCx8NTNY26xyPN+8k6s42gjJ9sniu6pYBf7On3J4ixkMZmEqkI2VkvXz/roFFFFdx8+FFFFAHGfFL/kU7P8A7DWm/wDpXFXZ1xnxS/5FOz/7DWm/+lcVdnQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXGfFL/kU7P/sNab/6VxV2dcZ8Uv8AkU7P/sNab/6VxUAdnRRRQAUUUUAFFFFABRRRQBBe3kGn2M95dyCOC3jaSRz/AAqBkmvHrj4+uNTP2XQ1axDYHmT4kYevAwPpz9a674vXU8PgVrW1Yh764S3IAyWBBbH/AI6K+eho2pNfJZpYzvcSEBI1jJL5OOMdeQa83H1a1Hk5XZO/4f8ADn23CuAy3HRrfWtZRto21ZNb7rs/Sx9X6Drdp4i0O21TTmJguFyAwwykHBU+4IIrQrl/hz4dufDHgm0sL/i6JaWVAchCxztz7DH45rqK76bk4Jy3Pk8ZClTxNSFF3gm7PyvoFMlmjt4XlnkWKNAWd3YBVA7knpT68x+OtxeReD7SO3LLbTXQW4K98KSoPtkZ+oFTWqezpufY0y7CfXcXDD3tzO1ztdN8X+HtXvTaabrFpc3A6RpIMt9PX8M1s18b2001vdRTWruk8bho2Q/MGB4I9819hWbTPYwNdKFnaNTIo7NjkfnXNhMU66d1ax7fEORwyl03TnzKV999Lf5kWpatYaNaG61W8htIAcb5nCgn0HqfYVFpGv6Vr0LS6PqEF4qHD+U+Sv1HUfjXh3xzuLx/G0EFwWFrHaq1uv8ACck7j9cjH4CsX4U3F5B8SNMWxLfvWZJlHRo9pLZ+mM/UCspY5qv7O2l7HdS4XhUyr677T3uVyt0stbep9N0UUV6Z8QFFFFABRRRQAV5f8SJDJ440mHtDZTSH/gQYfzAr1CvKviCf+LiQ/wCzpI/WRhSqO2HrPtCX/pLCCvXorvOP/pSK2ixmy+JFvngSxWjj/gUIU/rXr1eR+IZf7L8aaLcqOum28mPVkY/0r1pHWSNXQ5VgCCO4NcWHXLVlF9VB/wDkqj+cWdlZ81KLXRzX/kzl+Ukef6nILr4wW6A5MEcCH2OXf/2YVm+IENp8YUkPAmW2m+uG2/8AstP0SRr34wahM3O28kj/AO/cZUfyFXfiFb+T4p0a/H8UTxsf910Yf+hGssRpDFP0/wDJYwf6GlDWWF+f4ymv1PRKKKK9M88KKKKACiiigArz34qyf8gOD+9cSP8A98p/9evQq8z+Kkmde8Px/wB1bhvzC/4VnW0oVX/cn/6Sy6f8amv78P8A0pHf6KNugaePS2jH/jorhviem3V9EmXqUnQn/vgj+td5pg26TaL6QIP/AB0VxXxUUrb6LMoyfthh/wC+1I/pWMqUqmElTju4NL/wE1VWNPFRqS2Uk3/4EjvlYMgYdCM0tfPnxJ8eajqEFlo1rM9vbLbKbpUODM+SMH/ZwAce/wBKZ8KPGerWfi6z0me7mubC8YxGGRywjODtZc9OevbB+lc8MxpzlFJaO2vqfTf6q4r6lLFuSuk3y+S8+59DUUUV6R8iFFFFABXPeOPEp8J+ErrVI41lnXEcKN0LscDPsOT+FdDXmnxfu3vbex8ORbE+17p5JW/hCdAPqc/kKiopezk4u1k39yudODlRWKpe3V4uUU16tI8h/wCE88QP4jj1q4u1uLpGUgSRrsIU5C7RjA5PTBr0T4cawNV8aSX4i8kX1xLMUznaXUkgHuNwIrhF+GHi6SeKOLSJJFmUMkquuwqRkEnPH0PNeiaD4cbwd4s0TTZJFkm+zxvM69C7SS5A9hkD8K+fpusqcpS2vB6/4or8j9E4gjlbjSWGcef3klG2zhJu6Xnb5/M9cooor6M/MgrD8XeK7PwfoL6lfK0pLCOKFDgyOckDPbgEk+1bleefGbw/caz4NW7tCC+myGZ0JxuQjDY9xwfzrKs5qm3BanoZbTw9XGU4Yl2g3q9vx6epz2h/Hcz6osOvaZFBaySYE9u5JiBPBYH72O5GPp2r2QEMAQcg8gjvXyRoXhrUvEOsQadYW7eZM2N7jCoOpYn2GTX1laW62llBbISywxrGCepAGK4sDWqVVLn1sfRcU5fgMFOmsJo2ndXvp0et99fU8BilZri+kHIfUZGJ9icV7rosnm6DYOeS1tGT9dorxbRbbz/DGpXePumNvxa5T+gNexeF33+F7A/9MQPy4qadnmFWa6uX/krsfPSusvpQfRR/8mVzVooor1DzgrwkOYr+G6HeZ8fXIb+le0a1qsOiaLdalcqzR20ZcqvVvQfieK8WZSNA0ycjlrsof+/Wa8zMqbnTS8pv7oS/zPRy+ooVG/OC++cf8j3YEMoI5BGRS1V0uQy6RZyHq8CMfxUVar0Yy5oqXc4JR5ZOPYK8D0ZPM8P6jJ/siQn/ALeY697dtqM3oM14V4fhZvAOsy90sj/6OB/9lrLEQ9pCFP8AmnFfhIqhL2dSdT+WEn+MT13wlIJPCliQc4Qr+TEf0rZrlvh5cef4XA7RzMo+hAb+tdTWeBlzYam/JG+Njy4maXdhRRRXWcgUUUUAFFFFABRRRQAV5j41j+1/E/T4Oo+xxpj3aZv8K9OrzHVZPtHxmRf+eBtU/Xd/WubGf7rU9Evvkl+pvhf95p+rf3Rb/Q9Oryn4aHyvFd/F6STp+Tg/0r1avKvBsTWXxL1K2cYb7dc8exBYfpTxX8Ff44fnb9RYb+M/8M/yv+h6rXmUumw618UtYtLnPkzAxNjqB9mUZH516bXnXheX7Z8TdYnHO2eZc/7u1P6VOKbUI2/mj+d/0KwyTnK/8svyt+pc+FxZNHuYH+9Gybvrtx/Su5rg/h0+3UNYhz0lPH+67j+td5U4PSk49pSX3SZeL1qKXeMX98UFFFFdhyBRRRQBxnxS/wCRTs/+w1pv/pXFXZ1xnxS/5FOz/wCw1pv/AKVxV2dABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFcZ8Uv+RTs/8AsNab/wClcVdnXGfFL/kU7P8A7DWm/wDpXFQB2dFFFABRRRQAUUUUAFFFFAHnnxWLM2hRK2MXLzf98AH+tZHi3RJdFtfD9/FuA8s21w6n7rMS6f8AjzMM/StH4ly+f4k0ezXrHBLIf+BMqj/0E12XifSV1fwtfWATe7QkwgHBEijKH/voCuSpBV68qU9uS3pzOV3+CfyOmE3QoKrDfnv68qjp+LXzLml3g1DSba7X/lrGGPse4/PNW64v4Y3r3Ph6SORidjqwB/h3LnH5g12lXhakqlGMpb9fVaP8RYmEadWUY7dPR6r8ArlfiYEPw51XzUV12IMMM8mRRn9a6quP+Kj7fh7eoP8AlpJEv/kRT/Su2jFSqRUtro46s5U6cpwdmlpbe55/4A8O6RbeM7Iy2wmkUFl807gjbSQQPXIr3CvG9DP2PxZpc5OBNs/D94yn+deyV4OUt+zkn5P74pn0OdVqlerGc5N2Tjr5SaPO/i1Fpd9Y6dYXaRyXrz7o+0iRhW3EHsCQB7/hWf8AC7SrDRPEV9axwqLkxlfMbluCDtB7cEH8Kj8X2kutfFVLe35aG3jgHsWy36Biantx9h+M13EnCedER/wOECtcXFe3dWH2OS/rJtNfdKP4GWExeIWE+qyk+Wo52V9LRSa09YyPUaKKK9Q8cjnuIbaIy3MscMY6vIwUD8TTo5EmjWSJ1dGGVZTkEfWvmb4oeI59f8a3ai582xtW8q2VHygAAyw7ZJyc/T0roPgbrN9F4pm0lXd7KeBpGjJysbKRhh6dce+R6V56xqdf2XL1sfY1OF5wyz697RN8qla2lnrvfe3ke90UUV6B8cFeT+PTu+Ib/wCzpSf+jv8A69esV5L42OfiNd/7OmIP/Ii1niHbCV3/AHJfkXRV8VQX9+P5j/iLbS2+oeG75Qpja3Nsc9jt/wAGP5V6PoD+Z4d09v8Ap2jH5KBXN/EWw+0eC7aYDmyuIJfwJ2H/ANC/Stzwo/meFbA/9M8fkSP6Vi3/ALRT/wAFvul/wTaKtQqf47/fH/gHBeAz9o8f6nP13Xl1J+Zx/Wtz4mDFtpb/APTd1/NM/wBKofC21DXd/dnrzz/vuT/7LWj8Ufk0fTJPS/Cn8Y5KwqR9rRxLj1c7fJNfobU5eyq4ZS6KF/m0/wBTtY23xq394A06qWjz/adEspu7wIT9cDNXa7oS54KS6nHOPLJxfQKKKKsgKKKKACvK/ie27xlpCf3LV2/Mkf0r1SvJ/iI2/wCIUC/889MB/EytWOJdsLWf9yX5WNKCviaK/vx/O56laDbYwL6RqP0ri/iz8vhrT5f+eWpRN/469dxGNsSr6KBXG/Fe1luvAU5gRneKaOQBRk9cZ/WuzC+7UicuKXPTkjx7x0dHl1Q2ouPLvLa5mjlkVCyhARtU49Dv6etdX8FvC1i2oSa3NL59xAg+zqBhU3bgx9zgY/E15BPHLDcSR3KOkyMRIrghg2eQc969j+AxlRtQR8+XIu5AfYgE/rXyGFtGtTjbr/n/AMD7j9lzqhUwmUTVOq2reWt7Xt1tvpfZs9mooor6k/IAoopk00dvC807rHHGpZ3Y4CgDJJNA0m3ZD68z8XRLqfxQsbQjcqW0Ube2+Rif0FQ3fx40SG8eO1028uYVJCzZVN/uAecfXn2rL8J+Krbxf8VftaxtbtMVaOGQgnCRHv8AUE/jXnYnEUqlGVKEruVl98kn+Fz3qeS5hh5RxNWk1GN23ppaLa033seygBVAUYAGAB2rz/xnMtn4+0a4bgeUrE+ySgn/ANCr0GvNfimpXW9AcfxrcIfwCGunFQ5sNUS6Rb/8BXN+h4+Gny4im31kl/4E+X9T0qioLGQzadbSk5LxK2fqBU9bxfMk0YyXK2grl/iTKYfh7qhX7zKiD33SKP611Fcl8SmH/CKpEekt3EuPXB3f+y1SqKl+8f2dfu1IlTdVezX2tPv0OI8NRy2HijS5mwIZ2VI/wYo3/oQr2KVtkLt6KTXmOsRrpp8IyD5R5DSH6743P/oRr0m+bZp9w3pEx/Q15GW03Tbg+qi/vVn+R62YzU0pLo5L7ndfmeSeHIh/wrTWWx/yztz+TZr0bwa+/wAI2R9A4/J2rg9AjP8AwqfXCOotVP5Jmur+HF8Lvw0Uz/q5Mgf7LAEfrmihpOnP+b2i+fMn/mKtrCcP5VTfy5Wv8jraKKK9Y8w4v4sTmLwBcID/AK6aNPr827/2WuN1WIJ4SsZFGAdYYD6eV/8AWrrfiuN/hmxi7SajGCPba5P8qxfEtj9l+G+hk/efUEmY/wC8r4/QiuXFWnKEF0jUb+aSX5M6MNeMZzfWVNL5Nt/mj0TQTu8O6cf+nWP/ANBFX6zPDbbvDOnn/pgo/StOrw7vRg/JfkTiFatNeb/MhvG2WM7f3Y2P6V5L4dtcfC3xA+OtmuPwUsf516rqzbNFvW/u28h/8dNeeeG4s/CjXv8Ar0k/SHNOT/2igv7zf3J/5iS/2eu/7tvva/yNj4XPu8OSj/bVvzQf4V21cD8KGzos6+iwn81P+Fd9WOC0o27OS+6TNsW71b91H8kFQreWz3LWyXETTry0QcFh+HWuW+KWr3ui/D+9udNZo53ZIvNQ4MascEg9j2z718zQ3M9vcrcQTSRzo29ZUYhg3qD61GJxioTUbXPosl4blmmHlXdTlSdlpfXz1Xc+yKKxvCGpXOr+DtLv74YuLi2RpDjG44+9+PX8a2a7YyUkmj5arTlSqSpy3Ta+4KKKKozCiiigArye0k+1fGbUH64vI0/74TH9K9Yrybw4vm/FbUG/6ic4/wC+Q1YYv/dpLu4L/wAnj/kbYb/eYPspv/ySX+Z6zXnZQW3xnkZRjzfLc++Yiv8ASvRK828SXI0/4s2crdHt4JCfYSOp/Q1GM/3eUuzi/ulF/kXhP94jHvzL74yR6STgEnoK8t+FLm61W7vG6zJLIfq0o/wr0rUJPJ0y6k/uQu35A1558ILV0s55WXCiJRn/AHmLVWJs4049XNfhGT/yJw1+epLooP8AGUf+CM8Eztb/ABC1e2PRry6iA9t+8fyr06vK9Hza/GLUIzxm8Zv++4yf616pRSVq1aP96/3xT/UJu9GjL+7b7pNfoFFFFdBgFFFFAHGfFL/kU7P/ALDWm/8ApXFXZ1xnxS/5FOz/AOw1pv8A6VxV2dABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFcZ8Uv+RTs/wDsNab/AOlcVdnXGfFL/kU7P/sNab/6VxUAdnRRRQAUUUUAFFFFABRRRQB5X4tY3Hxat4zyEtoYwPrJn+teqV5Zqo8740MP7j2q/wAjXqdc6/3qp6Q/9Jv+pv8A8wtP1n/6Vb9DhPh+3laxrdr/AHZ2AH+5I613deZ+Gb77F8TtWtGGBLdzKf8AgR3g/n/OvTKjDLkdSm+kpfc3zL8GViHzqnUXWK+9Llf4oK4v4qfN4Tgi/wCet9Ep/U/0rtK4j4oNnR9Mj/vX4P5RSV0VKjp05VF0Tf3JswjBVJxpvq0vvaRx3iC3exTwvIuVM9vPk/8AAt4/mK9ispjcWFvMeTJErn8RmuD8b6V5ng7Q7xBhrAxA/wC46BT+u2ut0qfZ4RtJv7lkp/JP/rVxUIqFWEI/8+4r5pv9GjsrSc6dScv+fkn8ml+qZ5x8N3n1LxdNqF3I08sryymRjkkY2j/DHYVr+JbX7F8UtOvF4W6WEt7skm0/oVqt8IrF1hkuWHCQbB7723fyH61o+Pz5XiXQZfaXn6PEf61FeXNRxE1s5N/KLVv/AEkrDx5amHg91FffJO//AKUd7UV1L5NnNL02Rs35Cpay/E0/2bwnq03QpZykfXYcV6sVeSR5snaLZ8/aD4IfxLcxrIZIPOUtHIoB3Kudxx/wEj616h8INA07TNFuby2QveSybHmc5OzapAHoMk/5Aqv8MoP9ItARxBp5P4u+7+Tmr3wsmAsby1J5j2YH0yp/kK8qq+fHyrd5yj9y/O8X957tPF4iOVwwTm3FQjK3q1p6K6stlY7+iiivTPECvIfGTZ+JWoD/AKh8Y/8AH0NevV5H4iiNx8X50H8SW8RH121jiv8AdK3nFr72ka4f/e6P+JP7k2d940jz4I1If3Id3/fJB/pTfBUmfCFtn+AyA/8AfZP9aseLl3+C9ZHpYzH8kJrB8F6lF/wgt5KzhFtxJIxJ6KU3Z/n+VZ1FbE0n3Ul/6S/8zSm74equzi//AEpf5EXwqQjQ55D1bywf++c/1qb4qj/ik7d/+ed/C38x/WpPhnFs8MyH1nx+SLSfFQf8UHM/9yeJv/HgP608uXPSj/ev+Lf+ZOYvkqS/upfgl/ka/g5/M8JWJPZWH5ORWtcXdvaKGu7iKBWOAZHCgn8awvAr7vCkI/uyOP8Ax7P9a+cvGmtX2ueLdQuNRkcsk7xxxseIkViAoHbGPz5rip4r2ODpStdtL8j6TAZI81x9aHPyqLbel93ofR3iTxzoHhTy11a8xNKu5IYlLuV9cDoPc4qz4d8V6P4qtHn0W7E4jIEkZBV4yemVP8+lfJjOz43sWwMDJzgelelfAy3vH8bTz24YWsdqy3DfwnJG0fXIz+BpUcfOpWUbaM9rMOE8Ng8vnW9o3OKvfSz8rflrufQNFFFeufnQV5J40Bm+KRi67rKNPzevW68t12Pz/jIi+gtlP4tmufFv/ZKq7q33tL9TbDL/AGql5O/3Jv8AQ9SoooroMTG1Lwh4e1e9F3qWj2lzcDrI8Yy319fxzXMeGY47P4latbQIsUa71REGAowjAADoK9Arz+zYW/xivkPHmsCPxgX+qmuLFRioxkl9qP52/U76FarNunKTa5ZWV9tL6fcegUUVBe3kGn2M95dyCOC3jaSRz/CoGSa7djhinJ2W5NvXfs3DdjO3POPWsXxnYz6n4K1eztG2zS2rhOcZOM4/HGPxrxBPinJb/Ee58RpZNPbyqYVgeXawi4A9QDwDjpkn617Wuv2mueA7jWdOYmCWzlcbhhlIU5B9wQRWUalCu/Z05X79D1a+XZjlShicRT5dbrVPbVXtt6HykQQcEYNaXhzWZPD3iOx1WJN5tZQ5TONy9CM+4JFdxJ8KtS8QaeuqaHJBuLeW9vK2w8AfMp6fgcdKl0P4H65calH/AG5Jb2lmrAyeXJvdx6LjgfU9Pevm6VGrNqdNOz2Z+tSzvLp4ZrEVEna0o9dtVbdnvNvOlzbRTwnMcqB1OOoIyK88+Lzra2+jX0p2xQ3Eis3puX/7GvRY40hiSOJQqIoVVHQAdBXjPx+nvBJo9v8AMLIiR+OjSDA5+gPH1NfRYip7OjJtXumvvVv1PyTKsCswx9Ogpcqvf/wH3vv0NDRfjdocSWlheWd5DFHEkTXOFYAgAZKg5x9Mn2r1WGWO4hSaB1kjkUMjqchgRkEGvjavpD4R+JLTWvBkFhEzi60xFhmR/Tnaw9sDHtivPwOJlN+zn8j6ribIKGDorE4VPf3uu/Xy10+ZU+LXjy+8KWtpY6Myx3l4Gdp2UN5SDjgHjJP5YryWDx7r1/Nb2ms6hJe2vniTbKASrYK5Bxn+I8V6R8c9MgurLTLkMsdzCJTk/wAUYCkj8yMfWvEbSf7Lew3BjWXypFfY/RsHOD7Vy5hOoqsoc2jX4PT/ADPY4awmAxOWJ+zTmm7trXmWqs/S1rf5n0B8SIfs1v4dGP8AVmSE/wDfA/8Aia7C9uyfBVxeHqdPaU/9+81wXirX4PFXgXQNbtkMYkvgkkZOTG+xwVz9R+WK6fVbjy/hHcPnrpez802/1r2KSi8XDl2cF+En/mfmWIjUpYerCqrSjN38vdV/yMDw7Fn4T69/16y/pDmrPwok/wBDuE9YID+QIqbwpBv+Gmqx/wDPRJl/8hAVm/CKUssgP8Vv/wCgviuSl/umHn/f/OMjer/vdeH9z8pRPT6KKK9Q8485+KN9u1HRtOU95Llx9BtX+bVe+INuIvAlggHEFzbD8uP61z3j1vP+JUUX93TkUfUyE/1rrviQmfBE7D/lnPA3/kVR/WueSvipL+5Ffe5M2i7YWL/vyf3KK/Q1PCrbvCtgf+meP1Na9Yng9t3hKxP+yw/8fNbdLBu+Gpv+6vyLxatiKi83+Zn6+2zw1qbf3bSU/wDjhrlfAtkL7wHf2jcC4Lwn8YlH9a6HxfP9n8F6xJ/05yqPqVIH86zPhyu3wu3vcN/6CtKtdV6L/wAX5R/zFSs6NZf4fzf+Ri/CRmFldxyDDBIwQe2Cwr0avM/h5diDxVqlk3H76eMfVZCR+hNemUYfTng+k5f+lN/kwr6qnNdYx/8ASUvzRgeOhEfAesieNZENq42sMjOOD9QcH8K8f8FfDvSNY1u3XUZriSBrdZjErBdzYU7ScZxyemD716x8RpPL+Huqn1RF/ORR/WuM8DyC08WWUI4UxlR9CGA/Va5sycV7FW3lr6e6vzkj1MnxmKoKuqVRxXLt/e9539bRep6vDFHbwpDAixxxqFRFGAoAwABT6KK9M8Rtt3YVmaX4j0nWbq6ttOvI5prWQxyx5wQR1IB6j3HFcL8S/iXp+naPe6Rod+W1ZiImeEHEIz83zdN2MjjkH0IrwSC4mtrhJ7eV4po23JIjEMp9Qa8+vj4UpcqV/mfYZVwpXx9B1qsvZronHV+e60/M+yKKxvCGpXOr+DtLv74YuLi2RpDjG44+9+PX8a2a7oyUkmj5KrTlSqSpy3Ta+4K8q8EL53xG1ST0v7t/zJH9a9VrzP4cQ+Z4n1S4PTfO34mXH9DWOKf7uMe84/hd/oXhl+9lLtCX42X6npleV/ExSnjbS3Uf62zdP++WLV6pXmnxispUtNM1uMZisZWSbHYNtwfplSPxFdEqaq050m7c0ZL8Hb8TGMpQq05xV2pRdlu9Udpqtz5/gm9ulP8ArNPeQH6xk1n/AA/tVt/CyOi482Rm/AfKP5V5RbeNr7Xbq30S21dorOTZBFbiMJ5p6bSxHQ59a9u0LT20rQ7WykYM8SncV6ZJJP6mvMpVFiKtOS15YtvfRu2mvXR7HrYrCVsDCdOtBxcpK1+sVfX0u0cJqcP2L4yLJ0+1fZpP5x/+y16XXnnjQiD4gaNcE4zCvP8Auyg/+zV6HXTB/wC01f8At1/+SpfocMl/s1P/ALe/9Kb/AFCiiiuo5gooooA4z4pf8inZ/wDYa03/ANK4q7OuM+KX/Ip2f/Ya03/0rirs6ACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAoorxu3/t3xD8ONT+IcHiTVLXUlF1e2FnFcEWkUMLuEiaH7r7lj5Y85btigD2SuM+KX/Ip2f/AGGtN/8ASuKul0TUhrPh/TtUVNi3trFcBf7odA2P1rz74heN/C+q6VZ6XpviDTrq/wD7b08fZYblWkyt3HuG0HPGDn6UAen0UUUAFFFUNX1i10W1Se9LhHfYNi5OcE/0qZzjCLlJ2SKjGU5csVdl+uS+J2sHRfh9qE0bsk0wWCIqcHLHB5/3d1T/APCfaL63H/fr/wCvXiPxE+Id94r1CexhbytIhm/cw7BucrkB2PXPXjoP1rhqZhRUG6U035WZ9Fk2RV8bilGrC0FZyvdXXb1ZS0z4meK9KmhaLVpJooQFEE4DoVHYjr+I596+kdA1ePXvD9jqkKFFuoVk2E/dJHI/A5FfLnhbw5J4n1yHT47mO2DsA0sgJ2g+gHU/lX1RpOmwaNpFrp1mCILWJYkz1IA6n3PWsMuqVKjk5O6/U9zjClgKCpUqEFGa7K3u+dvwPPY4TdfGq9I6CaL8NkINem1554aAn+KGsSnkpNL+m1K9Drtovmq1ZP8Amt90Uv0Ph6q5aVKK7X++Tf6nk99/xLvjNcsQVE01tKuR1UqAx/PNesV5t8VnXTr7RtUVcNmSB3A5x8rL+RBP4muz8Na0Nd0ZLk4EqnZKF6bh3HsQQaqV4YpuS0mk158q5X89E/mKNpYZKL1g2n5cz5l+bXyNauF+J5/0bSV/6eXb8oyP613Ved/E6Xdqmi26/wB2dyP++AP5mljHbC1f8MvyY8Lriaf+KP5o3fGEX/Fv5k/uLB+kif4U+xmx8NjJ/csJP0Vv8Km8aLjwVqAHRYwfyYH+lYb3v2X4M3Uuefs0sQ+rOUH/AKEKUI2xlNd4v8HH/Mc5f7HUfZr8VL/Im+GEWzw3I3/TUL+SL/jVT4nHZcaLJ33zKPxCn/2Wtf4fR+X4XGP4pmP6Af0rI+LIK6do8o7X4T/vpT/hXPh6ftsvcf5oy/FNm+Jn7HHKX8so/g0jvIZVngjlT7sihh9CM1znxEuRa/D/AFVycbohGPfcwX+taXhqUzeGdPYnJ8lV/Lj+lcx8VpPO0bTNLU4a/wBQjjI9VGc/qVr1MFL2rpzfWz/U8zGx9nGpBdLr9B3wzs3SwnuZR8ypFbDH+wgz/SsjwAXtPG2qWZ4CT3EWPYPkV1ngJdvhZD/elc/rj+lc5pSfZfjFqEXQPMX/AO+oA1ePTbeCpze7lGXzlLX/ANKPXqLlxk4LZRlH5Rj/APano9Fc94l8caD4TKJrF3tnkG5IIlLuR64HQfXFWfDvivR/FVo8+i3YnEZAkjIKvGT0yp/n0r0/aQ5uS+pyvB4lUfrDpvk72dvvNivMZ4vP+NdwMZ2yW5/75jDV6dXntmgk+M1+5/hdf0tlH9awxb/cuPdxX/k8f8icKv3yl2Un/wCSSOx8Qx+b4Y1SP+/Zyr+aGvGLHUmi+G+pwRsVa5jgiH4SYP6ZFe6zRLcW8kMnKSKVbHoRivnO7v7bQJpdH1CQ+ZZXLxlVUnIViQ35nNViqqo04VrXcJp/+SyX52KwOEq4ytPDU1fng1/5NHX8z2rwFH5fhZD/AH5Xb9cf0pPiJa/a/h/qqAZKRCUe21g38hVvwhqOl6l4ZtH0S5S4gjQIxXIKvjLAg8g5OefWrXiGMTeGdUjbo9nKpz7oarL4+xpUl2sRmSlOrVUlZtvR7mF8PLpT4Vkd2CrHMzEnsNqn/GvGtR8O22p2ra3I8kLXV6FfGCCZPMcH/wAdA/GoIPiRqmm6LcaVpaxJDcR+XLJIu5um0lfTI9c/hUJ8TPqXgC60Z7cC4guI7kSoeDGoKEY9QWHTsT0xXiqdP2McNL7PNe3kpKNn80z7rC5RmtCt9dpe458q81zSi3deX3mrFofhy71A6Xok0M00lqBH9omXc8+wsQGOBkthQBj+dd98JNRihgm0rylgY/N5e3aRIvDA+5GD+FeAZx0r3HweLqDxVo1zqAKz31lDO5I5YtGybj7nYCfc0qNVW57e8pR18naDX439S+IMtqYVR/fOUZqV0/5leakvu5fSx63RRRX0J+dhXml0N/xokH902/8A6ATXpdeZRN53xsvT2WaJR+EArmxf+7yXnH/0uJ0YX/eIvyl/6RI9NooorpOcK8x1aY2vxkVh/GLZvw+6a9OryzxkfI+K1q/rZxP+UpH9K58X/utR9kn90k/0N8K/9pp+ba++LX6npd/eR6fp1xeTkCK3iaVyTjhRnr+FeUt8UNH8Z+G9S0TVnXSLq7jaKCRizREn7u5sfLz1zxiuo+L0V1L8Nb/7GThWjaYDqYw4z+uD9BXzTXLjMXKk/ZqK16n2fDWQ0MdTeLnUalF6JW0as03dP+vwn+w3XmrGLeQu33QFJ3fT1r3FrG78EfBaLTLnH23UJfKdQchDKSSvv8gI+tcjZ2MieF9B1BsECeW2cj1MalR+hrtviRcNPoXhlF586ZZv++UB/wDZqxy6MYVPaP8AlcvRJy/+RT+ZjxLm9fG0vqlkuWfK2urtHVdl7z019Tq/A0ezwnbt/fd2/wDHiP6V0NZXheEweF7BCMExBsf73P8AWtWu7Bx5MNTj5L8j5XGS5sTUl5v8wrnvHPh3/hJ/CN3p6RRyXBAe3MnG1wc8HsSMjPvXQ0V1adVc54ynB80G0+60a9GfHF1Cba7mgbrE7IfqDivV/gD5P9r6xucifyI9idiu47j+B2/nT/GPwY1O51+4vvDklvJbXUhkMEr7GiYnJA4wVz079verfw00Cbwf44udO1B43u3j8t2jJK4KCQYJA+n4V8/ClUo11OUdL/LV2X5n6rmmb4LF5RKlTq3nKK066au/3P8AQm8XRyeLviDdaI0uyCGNLWNgM7S4DM31Bx/3yK4C4+FPjCDUjZrpLTfNhZ45F8th67iePxwfavV/CNgl54+1nUH58q6mZT6neUX9Aa9Ertlh4YqtUqPRXsv+3Uk/xTPjstzzFZPQjRppPmXM733k211X2bI8t1fwsfC3wo07TpHWWeC+immdehdmIOPYbgPwrT16XHwSmYH/AJYIn/kVRWv8Ro9/gW9PeN4XH4Sr/Sud1qTd8EGXuXRP/JgV2UkqeMopbWf4OP8AmeFiqs8Rh69Wo7ylJN+rUv8AI6LwFEp8KlXUFXlcEHuMAVynw5j/ALI8WXulSNzA01sue+HDD9ATXY+BVx4UhP8Aekc/+PVwdu/2X4v6j82D/aEOBnsw5P6iuGkmsshP+Xkl+NvykzqrNPM5x/m54/hf84o9eooor1TzDy7VrJtT+MboM4QQRn6bQ7fpXWfEJd3gPUPbym/KVD/SsLw9cxan8UdUu7dt8au6hvXYiRnHtkGug8fDPgTVPaIH8mFc+HvUxFST7qP/AICkvzubV7Qw8Irs5f8AgTb/ACsSeCWz4Rs/YuP/AB9q3q53wK2fCkI9Hcf+PV0VZ4B3wlP/AAr8jbHK2Kqf4n+ZynxMn8j4eamR1cRoPxkXP6ZqT4frt8MfWdv6VT+Kxx4CnH96eIf+PVf8BjHhWP3lc/rWlb+NR9J/+2GNH+FW/wC3P/bzhNCc23xOv1XjGryfk5I/lXr9eQxL5HxW1P8A7Cdu355P9a9ep7Yysl/df3wiKOuDov8AxL7pyOP+KMm3wRJH/wA9riFP/Hwf6VxGlO1t4w0dhxviiY/9/wCRf5V1nxYk2+HtNj/56alED9ArH/CuUlHk+KNAbpmwjb/yYc/1rkzBXXpBv/yeH+R1YB2l6zS/8kn/AJns1Q3izPYzrattnaNhGx7Njg/nU1FekcKdnc+N7mGa3upYbpHSeNysiuPmDA8g++a6n4c6FpHiHxVBY6y8pViSsKNt8zAJwT6cdBg074mRyz+OtVvQhMJuDFvA4BTC4P5VX+HMEsnj/SZY8qkVyjOw7DOMfjnFfK1KapV+RvZ/qfuTxv1zKHioS5HKDenR2/zPqKGKO3hSGBFjjjUKiKMBQBgACn0UV9UfhrbbuwrgfhjGCNSm7sy4/EuTXfVwvwsGdFuJP7xj/wDQc/1rkr61aS82/wDyWX+Z00NKdV+S/wDSo/5HdV5j8dbe8l8H2kluGa2hug1wF7ZUhSfbJx9SK9OpksMdxC8U8ayxuCro6gqwPYg9a2rU/aU3DuaZdi/qWLhiLX5Xex8dW0M1xdRQ2qO88jhY1QfMWJ4A9819hWazJYwLdMGnWNRIw7tjk/nWZpvhDw9pF6bvTdHtLa4PSRIxlfp6fhitmubCYV0E7u9z2+Ic8hmzpqnDlUb7762/yPNPikCmvaC44DpcIT9Apr0LTbg3WlWlw3WWFHP1Kg1xvxVtPM0bTbxR81tfICfRXBB/XbXTeF5PN8L2DekIX8uP6VtOyxUWusPyk/8AM+dhd4aSfSf5xX+Rq0UUV0GAUUUUAcZ8Uv8AkU7P/sNab/6VxV2dcZ8Uv+RTs/8AsNab/wClcVdnQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFeTDw94z0jwZqfgHSdHhnsrlriCz1prxFjgtp3ZjvjPzl0DsBtBBwOa9ZooAq6Xp8Wk6PZ6db5MNnAkEeeu1FCj9BXJfE+2gTwvZukMav/bWnfMEAP/H3F3rt64z4pf8AIp2f/Ya03/0rioA7OiiigAqOaCG4ULcRJKoOQHUMAfxqSigCr/Zlh/z5W3/fpf8ACvG/GHwW1KfXbi98NPbva3Mhk8iR9jQknJA4wVz0/LHevbqKwrYenWVpI9TLc1xOW1HUoPfRp6pngWi+FrrwV40trLUJY5bh0inJiztA8zGAT16V77XnXxDtvK8VaPfgffheIn/ddWH/AKEa9CmlEFvJK33Y1LH6AZrGjThTxE4QWlo/qv0JxuLrYyCxGId5Ny/S33I898BuLjxprdyvKvLcFT7Gbj+Vei15j8Ii0v2mZ+WaMkn3Lk16dWmHXvVf8c//AEpo5azvGl/gh/6SmVr7TbPUo40v7aO4WKQSoJFztYdDXC/D9H03xJqulOTiFpFUeoV8L/46wr0OuDsj5Pxfv06CXGP+/CH+ampxbfLB9pL8br9R4VLmmu8X+Gv6HeV5l48fzviJptv2WzDf99S4/wDZa9Nry3xI32n4vwRjny4reP8AN8/1qsX/ALrU9PzaX6k4X/eqfr+Sb/Q7fxoCfBGsY6i0kb8hmvPbrUPtHwilgz969iQD/ZZlcfqDXo/itd/g3WV/6cJ//RZryC1lD+DoLYnrdW749hFIf5haWKmqDp1305//AEnm/wDbR4eDrKpQXXl/9K5f/bj1fwSmzwjaHuxdv/HzWJ8WF/4pmwkP/LPUom/8dcf1rrNHtBY6LaWw/wCWcSg/XGT+uaxfiLp41DwLqA6PboLhD6FDk/pkVtgKfJTp05dkvwsZY+pz1KlSPdv8blrwW+/wjZ+q71P/AH2a5fxxN9p+IGi2p+5Y2k963sdrY/WMfnW/4Ak8zwuoH8Ezj+R/rXI67N53xA8STnlbPTo7Zfq5T+hasMDU5Mv9r/LTf5WNsdT58eqX81Rfnc7jwbD5PhOzB6sGc/ix/pXNXa/Z/jGj/wDPVIm/NGT/ANlrtNGh+zaHZQkYKQID9dozXGeIv3XxX0t/78MA/wDIrj+tc84ezwCj25PwlE6IT9pjm+7n+MZHknxWt7yD4kam18G/esrwsejR7QFx9MY+oNbXwMt7x/G089uGFrHastw38JyRtH1yM/ga3viV5Oo+OJYbuJZYbKyQBWHQklifyxXfeALW2tPB1qlpBHCNz7vLUDcdx5PqcYrnVFRzB079Ob8nb8T66pxDGrkKpKnrbk8tLq/4bdzpa8+0dvM+LmqMO0rD8oUFeg15v4WfzfifrDelzOPywP6V6OK+CP8Aij+Z8Thfjl/hl+R6RXyV4tt7y28YarHqYb7T9qkZy38WWJBHsQQR7V9a1i6v4Q0DX72O71jTIbqeNNiu+fu5zjg8/jU4rDuvFJO1j2+H85hlNaUpw5lJW03VjzH4BW94JNYuMMLFljTJ6NIMnj6A8/UV7DfWqX2n3FpISEuImiYjqAwIP86WzsrXT7VLawt4raCMYSKJAqr9AKmrWhS9lTUL3ODNcw+v42WKUeW9rfJWPk7XfCGt+HtRktL/AE+f5WISZIy0co7FW6H+dd98IfAd9Jq8ur65YPDYrA8UcdwmPPLjaflPVdpP1yPevc6K5KeXwhU573PfxnF2JxOEeH5FFtWbT/JdPvZxVv8ACTwfb6kLxdNZ8NuWGSZmjB/3SefocioPEzC3+JGjOOA0ca8eglI/9mrvK88+Ikos/FGh3JHWOXHuUZG/qa0xVKMcNPkVtL/c0/0PnqeMxGJxNN16jl0V3fdW/U9DrkfG/j+28FXOnJdWzXC3ZYybHw0arjkDHJ59uldYjrJGrocqwBB9RXz78ckuF8exNM2YmskMPsNzZH55P41tiK7o0+dK5vkuW08yxiw9WfKtXpu7dFf/AC2uex+GvHGg+LC6aPebp4xueCRSjgeuD1H0zXI6H+/+L+oyf3buQf8AfMWK8z+FNveT/EjTGsQ37pmeZh0WPaQ2frnH1Ir0zwZ+++JOsSel7dEfTdiuNV5V8MnJfbivxT/Q783yujlmYeyoyuuST13WjR6fRRRXqHywV5d8SIzD42025H/LSyaMf8Bfd/7NXqNee/FKD/SNDucfdkmiJ/3kB/8AZawxSvhqq/uy/Js2w+mJpP8AvR/NI3fiA2fAOo46SLGn/fUij+tfOniy0Sz1aNYrcQI8IcbVwH5Iz+mPwr6D8aSeb8Oi3/PU2x/8iIf6VnXPw90nxh4R0sah5kF1DD+6uYSAwDEnBB4Iyc/y6muDGQliJwhHpFv73H/I+k4ex9LLK0q1a/K2ou3kpdOu54N4fvri31KG3jkbyJpV3x5+UnoGx6jJ59z617B4jlF8nhS0HLJaMx/Eog/kaTUvhlo/g3wbqeoW7y3t8ioVmnwAgEik7QOmcdeTWFo2tWmp+NNJie7hIhWKBPnAz+9ZiPrzXJOjUw9N8/2ouK++On3SbO/M8bQzXGKpg4NqDi27b6Sd/wAEtT3REWONUQYVQAAOwpaKK+hPhgooooAK8P8Airr9x4c+IQm0mVRcyWsUjMRny2BYD9B+te4V5J8Wvh1qmu6pHregxfaX8oR3FuGAb5c4Zc9eOMdeB1rkxim6DjBXvb87/mj3uHo4N5hB4t2ir2vor2tr5WbMr4QeOSNebRtTjUvf/wCquQed6gnDeucnn1+te4V4f8MvhlrNr4mt9Z162Nlb2ZLxxSMN8j4IHA6AdefQV7hUYFTVK011f46/mdHEywSx3+xtWsr22vtp8rbHO+PxnwFqvtCG/Jga4zUJRL8J44gchtQRD/32GruvGcJuPBOsRryfskjD8Fz/AEryy2uzJ4Hhtycg3sD/AImGQn/0AVWMk6XJWXRVF/5Kpf8Atp4eFj7Xnovq4f8ApTj/AO3HqvhKHyPCliv95C//AH0xP9a5Lx1p1npfiXTtYtodlxcu3nuGPzlNhXjoOAeld3pEflaLZRjjbbxj/wAdFcb8Vf3dhpE3pe+X/wB9Iw/pS9jJ4F0o/wAn5K6/FFOtFY1VZfz/AJuz/BnegggEcg9KiupfIs5pv+ecbN+QzVPQLn7Z4esZjyWhUMfUgYP6io/FN0ll4S1SeRgu21kCknqxUhR+JIFdlGSqqMl1t+JyVouk5RfS/wCBwHwfjy0kuORbsCfXMn/1q7Xx0M+BNX9rZj+VZfw00uOy0B51+9I2wH/ZX/65NbXjCPzPBOsr/wBOUp/JCf6VjgJ+0ftuk5OXycrr8DTHQdOPsesIqPzUbP8AEo/D+QP4XGP4ZmH8j/WunrifhdP5nh2VfR1f80H+FdtWOAVsNCPbT7tDfHO+IlLvr9+pxPxYP/FFqv8AevIh/OtXwOMeE7b3Zz/48ayfiv8A8ipaj+9qEQ/Rq2fBQx4Qsvfef/H2rWr/ALxSX92f5xMaX8Cq/wC9D8pHDeI4GsPi0XHCXa29z+KnZ/Q16vXn3xDhWPxJol2PvNHKjH2V4yP5mvQaUZXxVR+Ufya/Qpx5cLBecvzT/U89+LTf6FosfrfbvyU/41ha5H5GoeGpv72nY/KQH+tbXxYOZdBT1nkb8lFZ3jGPy7HwlIP4rSRT/wB8xkf1rnx+vMv+nUn+Lf6G2B05X/09ivwS/U9WJABJOAOpry/xx8WdMt9Curfw3qDNqYn8lWRMhQD8zgngjjAPv+NbPxWu7yP4Y3ktgWHm+WszJ1EbMM/nwD7E181UsVjZUZKMFrvc+p4d4coZlSeIxEnyp25Vpfbd7rfpZ+Z6h8M/G1ovidrXX49zakWj89sMrSO4Pzg+p4z712/jO2h07xdocttDHChjYBY1Cj5ZEPQf71fPlvDNc3MUFsjSTSOFjRBksxOAB719A/EMTwJ4ca5bdcKskcjDu+1CT+a1x05yq4avfezlf8X+R0cQ5dhsBisM6HuqTUeW/ayT/Gx6PRUdvMLi2imX7siBx+IzUle6mmro+BaadmQ3snk2FxJ02RM35CuR+GCbfDch/wCmoX8kX/GtXxzemw8C6tODg/ZzGD6F/k/9mqn8OY/L8Lt73Df+gqP6VzVl+/o/9vfgl/mdFF/uaq/w/i3/AJHV0UUV1HMFFFFAHN/ECIS+BNSyM+Wiyj22urf0p3gWYS+FIVBz5Tuh/PP9a1das11HQb+zbpcW8kefTKkZriPhJetNplxCzZ+RHA9xlSf0Fc1ZctWlPzlH70mv/SWdFF81OrDyjL7m0/8A0pG34g8YHRfF2jaMtusi6g4EkjNgoGbauPxrqa821lV1L4x2qFVY2aQINyhsHLSE4PfBHPavSa6XVpyk6cVrG1/NtX/JnNGnUjH2knpK9vJJ2/NBRRRQM4z4pf8AIp2f/Ya03/0rirs64z4pf8inZ/8AYa03/wBK4q7OgAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACuM+KX/Ip2f/AGGtN/8ASuKuzrjPil/yKdn/ANhrTf8A0rioA7OiiigAooooAKKKKAOH+JgxbaY3/TZx/wCO5/pXVavJjw/fSDtayN/46a5f4mj/AIlumN/09kf+Q3/wre1qTHgfUJf+odI3/kM1zUl/trXeMfzkdFR/7Gn2lL8onH/CCPGn3Lekcf6ljXpFcB8Jkxos7eqxD/x0/wCNd/SwrvBy7yk//JmPEq04x7Rj/wCkoK4DUZFtPi/bN082KI/XdvT+grv68y8cMYPiVpsynH+hoc+6zE/1oxi/2acu1n90k/0DCP8A2iC73X3pr9T02vMoIje/Gi9Y8qk0YHtshB/nXpteceGf3/xR1eQc7bmb9Aq08X/C5e8or/yZP9BYX+LzdlJ/+StfqdX41vRp/gbWbgpv22cige7LtH6mvlcX92HVxcyhl+6Q54+lfXt7ZwahYz2d3GJILiNo5EP8SkYIrx2f4BSnVT9m1tFsCcgvCTKo9MA4P14+lcuPo1q1lDVdj7DhbMctwUan1qym9na+nbRPrr5/I9A+HPiG48TeCbS/vsG6UtDKwGA5U43Y9xj8c1ta5B9p8O6jBjPm2sqY+qEUmg6JaeHdDttL05SILdcAscsxJyWPuSSavsodCrchhg16NHmhGPNuj5DHSpVcRUlRVoNuy8uhxHwtvVuPD80Q6q6yf99KB/7LXL3JN14y8SwL964v7aAfTDj+YFaPwkzDJc27H5ljYH/gMhH9aqeHrf7Z8U9SPVRqkrN/2zyR+tcDShga1Bfzci/8GW/I1Tc8bQrv+Xnf/gu/5nrQAVQBwBwK82+IE5svG2kXA6/ZyR9UcN/WvSa8w+LckVrq2gXNxIsce24VmY47Lj+ddWIhz4epH+7J/NK6/FGGGcliaXKr+9Ffe7P8GUtUs/7V8beJJ87kW3dvwSAAfqRXb+Am3eFkH92Vx+uf61xvg67g1iDxFewSpIfsUqkK2SM5x+i11nw6bd4Xb2nb/wBBU15tGTqYmNZ/ac18lyJfkelXpOhQlh5K3KoO3m+Zv8zq68x8Bv53j3WJf71zdN+cgr06vK/hgd/ia/c9/Pb/AMiLXo4r+HH/ABx/U83DfxZf4JfoeqUUUV0GAUUUUAFFFFABXnPxYXbLoM/92eSP/vpR/hXo1cN8VrOSbw7Z3caFksr2OSXHZDlc/mRT5eeMod0196aJcuRxn2af3NM6jw/J5vhzT26/6OgP4ACvN/iTbRaj4ou45Y1l8nS8qGGcFRK+fr0rvfBs3neE7I91DIfwY1x1skeufFTVY5vmg3PbMB6LDsP6k15vMp4Km3s/Z/8ApUT01zU8bPldnHnt/wCAyLXwkW1h0m5it7eGF2EcrMiAM24dCepAI/Wqfw8/eeNNWf1luW/8iio/BOfC/jK60K7l8wxt9nVwMZDYaMn6g49s1L8MAX17UJezCY5+so/wqWlCn7H+Wql8vekvwsU6k61X283dyptv192L/G56dRRRXpnmBXC/Fc7PDunSjjZqUeT7FHBruq434q6b/aHgO4k89YfsTrc/OcB8Artz6/Nx6nAq6ahKXLU+F6P0ZE/aW/dK8ult79Dn9e1ZrjwDolsT+8kuije6xq3/ANjXoujx+VodjH/dt4x/46K+e4fGtlezadaXySwW1vM7GfGdvmbATtHYBT69a+jLZoXtIWtmV4WRTGynIZccEH6V4uAk6kot/Zgov1u7/hY+izXBV8GmqsHFTm5L0sv1vocb8X5LmP4aX/2UHDPGsxHZN4z+uB+NfNWcdK+xb2zg1Cxns7uMSQXEbRyIf4lIwRXH2fwh8IWV8lyLCSYpgiOaZmTI7kd/oePatcXhJ1pqUWexw9xDhssw06NaDve6atrps9v6/Hc8GT3l14J0ibUtxuXtELlurccE+5GD+NbdAAAAAwB0FFehFcsUj42tUVSrKaVrtu3a4UUUVRkFFFFABRRRQBX1CH7Tpt1ARnzYXTH1BFeC6VIW8P2yf9Nw35LIP6173e3kGn2M95eSCOC3jaSRz/CoGSa+Y4/F8VpfMlrZl7FZ2aNXba+wsSB3AOD715WbT/2bkj8V/wAHGUX+aPoMhy3E4vEupTjeKWr8+aMkvwZ9PwJ5VvHH/dQL+QrjvirDv8HJOB/x7XkUv05K/wDs1dLoOt2niLQ7bVNOYmC4XIDDDKQcFT7ggis7x9bfa/AWrIBnbB5v/fBD/wDstevQs5Rtsz57FRnT54zVpK/3od4Jff4RtB/dLj/x81h/FmYr4f0+2zhbjUI1cZ6qAxx+eK1Ph/J5nhcY/hmYfyP9awfivJvm0K1wfmmkmJ9NgH/xVcGAqKGCjUf2YX+6P/AOzH03PFypr7U0vvl/wTqfBkfleErP1YMx/FzVzxBH5vhrU4/79pKv5oadolsbPQrKBuGSFQ31xz+tS6iu/S7pf70Lj/x01vg4unRpxfRIyxklUq1JLq2cJ8I5N2mXK/8ATOHH/jwr0SvKfhjqlrpOhX97qEyw20ECvI7dgGYfiecYqe2+O2gzal5E9jeQWxbatydrYHqVHIH0zXNRq06SlCbt70//AEpnpQy7GY1Kph6bklGF7f4V+Pka3xXP/FNaePXU4R/469b/AIPG3wlY/wC6x/8AHjXO/FGWO58M6TJA6yRyajE6OpyGXy3IINdR4aj8vwzp6+sCt+fP9a2m74mHlF/jJf5HnwTWHnf+ZfhF/wCZy3xN+V9Hk7h5VH5Kf6V3cbiSNXHRgCK4X4p/LaaO/pdlfzjauw0iXztEsZP79vGT/wB8ilblxb84r8JSQ782FXlJ/jGJwfxVP/E08PL6m4P5Kn+NM8fx+Tonhcnqh8v84v8A61P+J4MmvaGg5KxTkfiUFWPirFs0TRdv8GoRoPxVv8KKkPbV5w/6d2+/nFCXsaEZ/wDTy/3KB0d3JFP8PZpJgrxtpjM4YZBHlc5r5ZW6ihuklitYmVCDslywb6jPT2r6Vjl8/wCEt0Tz/wAS6dMfRWX+leFf8K48TTbJNP0yS8t5WIjmiZcHBxzk8fjXmYqTq0KKirtq/nsvw1Pu+FZYehicT7afLay1do7yv1tfT5L5nsfwvfw3rulnWNO0Ky0/UopDFOIkzsbGcoT90EHt7jnFP+K6Y0vSJh1XUFT/AL6Rv8KtfDHwdP4P8NvFqDKb26k82ZUORHxgLnvjnJ9TTfinGX8LWrgcRahC59uo/rXrUIv2HLJWbT/FM+QzerTlj5SoycoKSs229E1s307eR0XhtzJ4Z09ic/uFH5DH9K8z0n4lWmgeO/Edv4gvriS2ku2WEqDIsW12XAA6Dbjp/dr0Dw950vgWAWrbZzbusbHs2SAfzr5UmWRJnSYMJFYhw3UHvmuL67OhhYKKT5ktX8j3cmyHD5ri6zrza9m9EtL3utd9EfR/xE1W01T4ZPdabcpcW13LEqSIeG+cH8/l6Vr+A02+FYj/AH5HP64/pXjvh2G9T4XxLcBha3WtK0AbuFjYsR7ZAH1Br3Lw1a/Y/DVjF0PlBz9W+Y/zraNR1qlJtbRk/wDwJpf+2s8XHYSOBqYijGV0pRin6Jv8OZXNSiiiu48gKKKKACvFvDmpv4S8cXmlqAYoLh4ue8JcH8xwa9prgfibbWOn6XBqYhhgllvUW4nCgM48twNx744rDFLmw00lqveXrHX8rr5m2FusTDs3yvzUtPzs/kZ/hidNX+KOo38bCSMXEmxh0ZUQIDXp1ecfCmXSplvHtLyCW6ztEQcbwucs23rgkjn2r0essLJVVOstpSbXpsvwRvjKM8PKNCorOKSfq9X+LCiiiuw4jjPil/yKdn/2GtN/9K4q7OuM+KX/ACKdn/2GtN/9K4q7OgAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACuM+KX/ACKdn/2GtN/9K4q7OuM+KX/Ip2f/AGGtN/8ASuKgDs6KKKACiiigAooooA4z4mj/AIkmnH0vx/6KkrQ12T/i2d8/97S2/WL/AOvVD4nceHLRvS/j/VWH9ak1aff8J5H/AL1ikZ/Ra5ovlxyk/wCVfhJ/5m8lzYKUV/M/xiv8hnw0tvI8NOxGC0u38FUf/Xrsa5/wOgTwlbEfxs5P/fRH9K6Cs8Bf6rBvqr/fqa4631maXR2+7QK8z+JamPxVpE3962kUfgyn+temV578UYs3OiTf3XmT81U/+y1ri9cLV/wy/JmWF/3ml/ij+aPQgcjIrzX4et9p8Y6vc9fMkuH/ADmFei2z7rSJ/WMH9K81+EeZWuZ26tGSfxkJqcTrCn5zj/6TJ/oPD6VKnlCX/pUV+p6fRRRXUc4UUUUAec+C4PsHj/WbXookn2j2MisP0NJ4Ct/N8ZazdHp9ouG/FpcfyBqzp58r4wakn98j9YEP9KPhsN93q0vrJn83c15Tbc+TvVv/AOSuR6cUlBS7Urf+TKJ31fPvxznvH8bQQXG4Wsdoptx2OSdx+uRj8BX0FWD4t8H6Z4x01bXU0KvGd0NxGBviPfB9D3H+FdmJoutT5E7HRkeY08txixFWN1ZrTdX6o+ePh5NeReMYEsS376GaOZR0aPy2LZ+mM/UCvdPhm2fDEg/6b5/8cWrWi+BdB8KWN0dItCJ5YWR55WLyMMdMnoPYYqj8L2z4bkH/AE0U/wDjgrhpUJUJ0lJ9Zfkv8j0c7zSjmdWpVoxslGK13dm/8zta8r+FHzatcv8A3opT/wCRRXqleV/CD5pZH9YH/wDRld+K/hw/xx/KR8zhv4s/8EvzgeqUUUV0GIUUUUAFFFFABXM/EaQRfDvWXIziDge+4YrpqyvFGkNr/hXUdLjcI9zAyIx6Buq59sgUpOUU3DfobYdUpVoKt8F1f0vr+B8sx+INYhuVng1S7ikU5Vo5mXb9ADxXsPwc8/Vri71e6cyS7naZyMbpHbr+QNeP6h4c1jSr02moabcwTBtoDRnDH2PQ9Oor374QaNJpHgnNwMS3E7OfYcDH55r5vCRk60aT0S1t6bfifqXFTwawCq0+Vy2TVtnvt0sN8badBY+KNM1qEbZpWCTejbCpU/XGR+VRfCqH9zeznuFx/wACLMf6Ve+JYxp2nOP+fkr+aMf6Unwwi8vw/MT18xV/JB/jXdUk3j1B9bS+6M0fnlOKWBc10uvvcGdtRRRXrnlBXIfFLSL3Wvh/e22mq0k6MkvlIMmRVOSAO5749q6+ionBTi4vqdGFxEsLXhXjvFp/cfG8NtPcXK28EMkk7tsWJFJYt6AetfV/hDTbnSPB2l2F8c3FvbIsgznacfd/Dp+Faa2dsly1wlvEs7DDShAGP49amrkwuE9g273ufQ55xC82hCmqfKo6731+5BRRRXcfLBRRRQAUUUUAFFFFABRRRQBleKNIbXvC2o6XG4jkuoGRGPQN1GfbOK+XJvDOtway+kvpd0b5DgwJEWb68dR79K+uKTaNxbA3EYJxzXHiMJGu027NH0mTcQVsqhKnCKkpa66WZzHw58O3PhjwTaWF/wAXRLSyoDkIWOdufYY/HNbWtxfaPD+oQ9fMtZF/NSKvU10EkbI3RgQa66cVTSS6Hg4qtPFVZ1am8m2/mcf8MZN/hmQf9Nt35ov+FZnxEXzvFOixf9MZf1dBUvwnuN+k3EB6qI2/Qg/yqr4qn+1/FTT7UcrDDCpH+00pJ/TFeUlbL5x7XX/k3KdrlfHwl35X/wCS8x6VUdwu61lX1Qj9KkoIyMGvWPMPnuy0u81f4e6jbaeGeVYBOYl6yKkvI/LnHtXnUEE1zcJBbRPLNI21I0UlmPoAK9Binez8KalaglXVTbPjj/lsjGuq8Colt4xs1EagmMruC8kbWHX6rXz+OpKNdv8AmqTXouZa/wDk6Pu+H8+lg8H7Hkuo04yWtteVq3/khd8Q6bc6T8OvC2nXxzcQSoJBnO0iJ/l/DOPwr0bSo/K0eyj/ALkCL+SiuS+Jp/0PSx/08sf/ACG3+NdpbjbaxD0QD9K9SKtirLpCK/8AJpHyVWo6lF1JbynJv7o/5nEfFcf8SPS29NSjH5o9dP4Zbd4Y08/9MVFc38Vhnw3p5/u6nCf/AB166Dwm27wrYH/pmR+pq5/71D/C/wD0pf5mFP8A3ef+Jf8ApL/yOU8djzPGuixn/nk36yL/AIVZ+LPHhixk/wCeepRN/wCOv/jVfxj8/wARtHT/AKZJ+sv/ANarnxbj3+ApXH/LK4jf9cf1rbBq+Pkn/dX4P/MxxjawEWv7z/Ff5HNavrEtr8OtN062dlkvrxo32nGY1O5h+q/hmvQfB8Zi8JWIPdWb82J/rXkepT7rjR4OqwvdH6blX/CvadGg+zaHZQngpAgP1wM15uD1VBdqf5yt/wC2npYu96771Pyjf/24u1zfxBt/tHge/AHMZjkHttkUn9Aa6SsbxgM+DNW9rSQ/kM160dWeVL4WQ+DJQPBtqzHAQSZP/A2rxe1tLG4uLK8v7OKYyMXYMoO853YPrxnrXqei3P2b4XXs+ceTb3DD8ATXmjRMnh3SJUHzG7SL84//AK9eH7J18FQgt2nb1VN2/Gx7scRLCY6tVi7WaT9JVI3/AAueg/EZYU0vRYrVESFZmaNUXChRGQMAdBzXc2sflWcMf9yNV/IV5prd4NR0/wALW4O4mN1b2KlE/wAa9Qrrw9RVqzqL+SP4uT/U468HSpcj355fgor9Aooor0DgCiiigArxf4/T3gk0e3+YWLCR+OjSDA5+gPH1Ne0Vn63oOm+ItOax1m1S5gJ3ANkFT6gjkH6VhiKTq0nBM9XJ8dDAY2GIqRulf8VbTzR8t+Eri8tvGGlSaYW+0/ao1QL/ABZYAg+xBIPtX1pXL+Hfhz4b8MXv2zTbNmuhkLNPIXZAf7ueB9etdRWODw8qEWpPc9LiPN6GaV4SoRaUVa73f/AQUUUV2nzBxnxS/wCRTs/+w1pv/pXFXZ1xnxS/5FOz/wCw1pv/AKVxV2dABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFcZ8Uv+RTs/8AsNab/wClcVdnXGfFL/kU7P8A7DWm/wDpXFQB2dFFFABRRRQAUUUUAcX8VPl8Gq//ADzvIW/WqV5Pu+DZz13pH/5MKP5Gr/xWH/FA3Lf3Zoj/AOPiuc1G78r4XWsOf9fqSR4+hL/+y1y4j3atOX92f4crOih71KpH+9D8eZHd+EF2eE7Ef7LH82JrarL8Mrs8MaeP+mIP581qU8IrYemvJfkGKd8RN+b/ADCuJ+J6D+ydMk7rfbfzik/wFdtXG/E0Z8O2bf3b6M/+OuP61eIV6FRd4y/JkUXatTfaUfzR0lpJ/wAU9BL/ANOqt/45XC/CCPGn3LekcY/Msa6yGcReAVnJ4j03cT9I/wD61YvwutfI8OyvjBZ1j/75Uf8AxVc0pcyoLu7/AHRa/U6FHllXfZW++S/yO2ooorvOIKKKKAPPGlW3+M0hY43+X/49DtH6irHwtG7Tbyb/AJ6GM/oT/Wue8bvJa/Ex5YyVP2KOVSPUNgV1Hwvj2eG5D/01C/ki/wCNeVUXJj1Du1L74W/NHpU3z4Jz7Jx/8nv+TO0ooor1TzRsq7oXX1UiuH+FTZ8Pyj3jP/jld1Xnvwmk/wCJbdx/3Vix/wCPD+lclf8Ai0n5tf8Akr/yOqj/AA6q8k//ACZf5nfzNtgkb0Un9K8v+Do+SU/9MD/6Mr0y9bbp9w3pEx/SvNvg8v7iY/8ATH/2c1eK+Cn/AI1/6TMzw38Sp/gf/pUD1CiiiugxCiiigAooooAKKKKAPDPjh4nvG1uHw/A5itII1nkxwZJDnHPoB+pPtWX8JfGOqWHiyz0eW5ln068YxeQ7FhGxBIZc9OeuPU16f8QPhrbeNXhu4br7FqEKeWJCm5ZFzkBh7EnkeveqHgP4Sw+FNVGq6jei9vIwRCqJtSLIwTzyTg47Yya8mVHEPE862v8AgfoNDM8ojkjw8kuflatbVy73t87302IPjV4hj0rStMtIQGvJLgzqD0VFRlOfqX4+hrkvhx8ULnTtVh0nVYYXs7ycDzlG1onbCgnsV4H8/aul+OXh03uj2etQNiS0byZEP8St0I9wR+vtXEfD34b6truq2Op3UH2fSY5RK0zsMy7W+6o68kYz0HNTiKeI+tKrGPknbp2v95WVf2K8mlTryXPq5Jv3r9Glvsla2j+8+jaKKK9g/PAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDy74VuY9XvbfsqyjH0kH+NMnPn/Gu7HXZPagfggP8AOm/Ds+V421KL0uLhPyYH+lLpgNx8ZNQbr/peP++Yz/hXn1tKWIj3qL8ZxZ20damGl2g/whJHqtFFFegcR4JqFvHH4n13T5F+Vb95QPUFsgfoPzrtodNTSPHGhwx5ybRC5Pdi0hP868Y8Z65Nq3jTVLxM26vcMqohI4X5QT7kDJ96634c+JNR1fxNYw6rcyXT27osUsrbm2Fj8pPU8nvXzeKrU54mpUjf3nC3k7x5vvtc++XD2KwmW06k5L3VLmtvZqXLr1tzWPRPiaf3WlD/AKayH/x3/wCvXdINqKPQYrg/iUc3WjR/3mmP/oA/rXe17MP96n/hj+cj4uX+7Q/xS/KJxXxUUnwjC4/5Z30LH8yP61s+DW3eEbE+zj/x9qz/AImR7/Ad43/POSF//Iqj+tXPBDZ8I2o9Gcf+Pmqqf7zT/wAMvziRT/gVP8Ufykc54nO/4raSn92GAn8Zm/wrZ+JcJn+HeqADJVY3/KRSf0zWDrDeb8Yrdf8Anmlsv/jzN/Wu28R2Zv8AwxqdqBlprWRVHvtOP1xV4aXLjZy7OH/pKZGIjz4KEe6n/wClNHkOj26an4g09XGUkZQfozDP6CvcK+f/AAl4t0TTtc01tQuTHHEAJJPLZlUhTjoPWvfIJ4rq3jntpElhlUOkiHKsD0INebll71L9HZei/S7Z7ObYerRjSc4tKSvqrav9bWJKyfFa7vBusj/pwn/9Fmtas7xEu/wvqq/3rOYf+OGvbp/Gj5+p8DOG+0+V8GdWcf7Sf99FR/7NXLazZP8A8KrS4UcW+orvPoPKxn8yK2J5s/BLVQDy1xGB+LRGta00OTXfhLqmnW65muC7RAnG512lRn3KgV5ODqOjTwskr25/wUV+p62IoxxNfE05y5VJwV+13J3/AAPMdI8cWdtqenyahFcPHbyAyMgB43AnAJ77RX0Vpuo2urabBf6fMs1tcJvjkXuP6H2r5Amtp7e5a3nhkjnRtjROpDBvQj1r6Z+FukXui/D+yttSVo53Z5fKcYMascgEdj3x71z5bJqpNJaPX08vTsj6/ijK8JhMJSqUpe9e2rvzaav10V3tqdfRRRXtn56FFFFABRRRQAUUUUAFFFFAHGfFL/kU7P8A7DWm/wDpXFXZ1xnxS/5FOz/7DWm/+lcVdnQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUVx/wASvFV94R8P2V5pkmnwyXWpW9m8+oqxhhSRsNI2GXhevXoDQB2FFcx4O1fUtVs7m81HXfDur2gwIptERgqEZ3b2Mrg9umMc1yn/AAsTxR/wi3/Cc/2dpv8Awivmb/sv7z7b9l37PP3Z2Zx8+zHT+LNAHqVcZ8Uv+RTs/wDsNab/AOlcVdkrK6BkIZWGQR3Fcb8Uv+RTs/8AsNab/wClcVAHZ0UUUAFFFFABRRRQByPxRTd8OdRP90xH/wAiqP61wWqylvDejQA8HUZmx/uxr/8AFV6L8RYjN8PdWUDOI1b8nU/0ryyaU3Fvo8ac7ZbiUj/eSICuLHS5YRl2jV/9IVvyOrBR5qko95Uv/S3f8z2vRE8vQNPX0to//QRV6orSIwWcMR6xxqp/AYqWumnHlgo9kYVJc02+7CuP+Jx2+EVkPRLyEn/vrH9a7CuP+KaFvh5fMP8Alm8TfT94o/rW9OCqSUH10+8wqTdODmumv3ala9u9/wAG53Bwfsph/wDH9la3gOPZ4ViP9+R2/XH9K4fUr7y/halqD/x8aokH4cSf+y16D4Pj8vwnYj1Vm/Nia8fCyc1h2+kJf+2r9D18SlB4hLrOP/tz/U2qKKK9U8wKKKKAPD/jLrX9neNbYWW1rgWASTcMhQXYj8e/5VP8JPiG76knh3U4YwLp2aCdODv2/dYdOQvBHf68L8bvCMz3UXiW0IaNlW3uI88g87WHtjg/QetVPhZ8N9WXxBZ6/q8H2Wztx5sCsw3TMR8pwOg5zk+1ePUhiHjFV5fJO2lvU/Q8PHJVkMoOS57NtX97n9N99ulvme50UUV7B+eBXmnwofE15F/st+khH9a9Lry74XHb4gv09BMP/IormxXw03/fX/pMkb4b45r+5L/0qLPRtVbbo963pbuf/HTXBfCCPGn3LekcY/Msa7rXG2+HtRb0tZT/AOOGuP8AhPHt0OdvURD/AMdP+NGI+Kkv7zf3Rl/mFDaq/wC6l98o/wCR31FFFdJgFFFFABRRRQAUUUUAFFFFAHMfETSbvWfBd1aadCZ7jejrGCAWwwzjPtmrHgfTrnSfBWnWV9EYriNG3oSDtJct2+tb9Fa+1fsvZ9L3MfZR9r7XrawUUUVkbBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHl3hyA6f8WNRtjxuvJpB9Hj3j+Yq14Rt/O+JGtTn+C5uGB99+z/ABqW7T7P8Y0fp5yRP+asn/stS+BBv8T67L63Ex/OZj/SvLqyvVlDvUj/AOkc35o9KlG1KMu1OX/pfL+TO9ooor1DzTyrxd8Fo9a1ubUtG1BLM3LmSaCWMsoY8llI6ZPOP17VX0/wVbeB/EmiW0Nw11PcSq80zLtyd4AAHYDPr3r12uA8d3H2bxhocnTajP8A98yIa8zF4alGjOpFa7/c0z6GjnWOrqnhKtS8Nraa6WV3uxPiI4fxBoUPcJMx/Foh/Q16BXm/jh/M+ImlQf3bVW/76lx/7LXpFdMF/tVT0j+rPHk74aHrL9F+hz3j2PzfAeqj0hD/APfLA/0pvgRs+FYh6SOP1qz4yXd4I1kf9Ocp/JSao/D5t3hf6Tt/IUVv94pek/8A2wKX8Cr6w/8Abzmpm83413C/883t1/8AIef612XjSC8uvBOrw6buNy9o4QL1bjkD3IyPxriLM+b8aL8/9PKD8ov/AK1epUKPNXrL/Cv/ACSJdOq6VOhUSva7/wDKkmfGfSvpf4SW95b/AA3sFvwy7md4VbqIyxK/nyR7EVbtfhv4ZttWutRl09Lue5mM3+kgOsZJJIVcYxk9811QAAAAwB0FY4bBuhUcua59LnnEkM0w0aMKbjrd3d++337/AIBVPWF36Hfr/etpB/46auVBfrv065X+9Ew/Q16Md0fGS1TPGLK58/4aXNsT964tc/nz/wCg16r4Rg+z+FbFe7IXP/AiT/WvF9Kmx4XiiP8Ay1uEH/fJkP8ASvc9ETy/D+nr6W0ef++RXlUFbEun/Jzr76jX/tp6lZ82GVT+fkf3QT/UsNZ2z3K3D28TTqMLKUBYfj1qaiivUPObb3CiiigQUUUUAFFFFABRRRQAUUUUAcZ8Uv8AkU7P/sNab/6VxV2dcZ8Uv+RTs/8AsNab/wClcVdnQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABSMCVIBwccH0paKAOM/4RDxX/wBFI1X/AMF1l/8AGqlvbrTPCOgwD4ga5/akcl1+6vL+yjARtpIBEaBVwA2GIHXGelddRQB5V4YXTfEXxS1vUvB0ezQLjRRaXd3BCY4Lm7MhKsvADlYywLD1Arn/APhIIv8AhR//AArzypP+Ev8Asv8AY/8AZXlNv37tnmZxjy9vz7+mO9e60UAQ2kH2Wygtw24QxqmfXAxXmPxA8E6ZpWm2eqW1zqr3H9t2B2T6pcSxfNdxg/u2cr34447V6pXGfFL/AJFOz/7DWm/+lcVAHZ0UUUAFFFFABRRRQBmeJLb7Z4W1S3xkyWkqj67Dj9a8h8LRC71LRVYZG5AfoSuf/Qa9i1y+t9M0C+vbwkQQQO746kY6D3PSvmXR/G+paJfWtxbJA4tmyscikhvqQc968nNGnThG+vN+HU+lyDLMTjJ1KlKOija/97dL+tj6porH8KeIoPFXhu11a2QxCYEPETkxuDgjP1/TFbFerGSklJHz1WlOjUlTqK0k7P1QVzfxCj834f6svXEIb8mB/pXSVm+JLM6j4X1O0XlprWRV/wB7acfritaT5akX5o56q5qcl5M8duLjzvCGmRE/e1ES/wDkKvY/D0fl+G9PX/p3Q/mM/wBa8O02Rby30yAyInIChjj5sbK9/hiWC3jhjGEjUKo9gMV42D1quH/PtOL9eeX6JHr4pNUlUf8Ay8akvTkj+rY+iiivVPMCiiigCvfWFrqdm9pqEEdxBJjdHIMg4OR+tTqoRQqAKqjAAHQUtFO7tYVle4UUUUhhXlfw2O3xbqK/9NLgf+PivVK8o+Hh2+ONRX/p5uV/WufFfwov+/H9TbDfxmv7kv0PRfEh2+FdWPpZTH/xw1zvwwj2+G5D/wBNQv5Iv+Nb/ik48H6yfSwn/wDRbVjfDUY8Lv8A9fB/9ASprfxqK/xfki6P8Kq/8P5s66iiiuo5gooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDzrxhL9i+JWlXPQG3jJ99kpz+jVc+Ha7rrWJf70wI/FnNZXxP+XxNozf34Jl/Iqa2PhhC0eiXDPktvVCT3IX/wCvXk1tMwjHvaX3RnH9EenR1wEpdm4/e4S/VnbUUUV6x5gV5n8UTt8Q6H/tRTj/ANBNemV5n8VB/wAVB4fP+zcf+grWVePNh6q/uT/9JZpRly16T/vw/wDSkQa5K138VNPLc/6Naj83J/rXqdeTsfP+Junt1/0eyP6Zr1isKL5q9R+UP/SU/wBTaouWhBec/wD0pr9DK8Urv8H6yvrYz/8Aos1j/Ddt3hd/a4P/AKAtbuvrv8N6mv8AetJR/wCOGuV+FU/m6BMmehjf81x/7LVV/wCLRfnJfek/0FR/hVV5Rf3Nr9TG0T958YtQP/T44/KM16nXlnhf5/itqb+l/cD8lIr1Oqp/x63+L/22JM/4FH/C/wD0qQUUUV0GAU2Vd8Lr/eUinUUAfO2mc6Vp47CVifyk/wAa+grFPL0+3T+7Eo/QV4Ppdu3mSWZGHgu3hA9DnH9a9/AwoA6CvLoXeY4nyf5ylL9T0aumX4bzX5RjH9Aooor1DzgooooAKKKKACiiigAooooAKKKKAOM+KX/Ip2f/AGGtN/8ASuKuzrjPil/yKdn/ANhrTf8A0rirs6ACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAK4z4pf8inZ/wDYa03/ANK4q7OuM+KX/Ip2f/Ya03/0rioA7OiiigAooooAKKKKAM/X9Ij17w/faXM5RbqFo94H3SRwfwODXzpcfCnxhBqRs10lpvmws8ci+Ww9dxPH44PtX03RXLXwsK7Tl0PeynPsVlUZQpJNS6Pv30aOf8D+Gj4T8JWulySLLOuZJnXoXY5OPYcD8K6CiiuiMVCKitkePXrTxFWVWo7yk7v5hUN5M1vYzzxx+Y8cbOqD+IgZxU1FUZJpO7PjWSRpZGdupOfpX0F8E9ZvtU8I3Fvfu8y2U/lwyucnaVB259v5ECsG4+DZ1Xx7qTS77DRy/mxvFtO8tg7VHbGT24wK9U0DQNP8NaPFpukxGOCMkkscs7HqzHuTXmUMJWo13Kbv873ufeZ3n+XY/Lo0MPBqV1ZNW5bdvyVtLGlRRRXpnwQUUUUAFFFFABRRRQAV5N4E+T4gagPW/uhXrNeS+Dz5fxIvR/1FLsH8jWGK/gX/AL0P/SjbDf7xb+7P/wBJPQ/Fpx4L1r/rwm/9ANZfw6GPC7f9d2/9BWtHxkceCdZ/68pf/QTVH4fDHhj/ALbt/IVFb+PR/wC3/wD20uj/AAav/bn/ALcdRRRRXUcwUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQB4L8cdbmk8WWmnQ5iWzt929Tgs0nX8MAfrVH4SeLtS07xda6S88k1hfuUeFjnY+OGHpyAD7fhXZfG3wvFfafZazbxyG8SVbZyi5DIQxGfo3AP+1j0q94A+E0XhbUk1bU7sXd8ikRIibUhJGCf9o4JHbqa8uphcS8QqvTo/Lsff4fNsnjkssI1+8trG2rk9pXtbzvfS1vI9Iooor1D4AK81+KY/wCJ54dP+zdf+gpXpVebfFmZLW+8PXUv3I5Jw2PQhP8ACrhD2ilDvGS++LM6k/Z8s+0ov7pIz9DU3fxCsmHO2C3H/fEWa9Zry7wBGZfFjyP/AMs4iy/Taq/1r1GvHyyp7Wm6ve34Riv0PXzGn7KoqXa/4yk/1KuqJ5mkXif3oHH/AI6a88+D8xNrOn96JT/3yzD+telTJ5kLp/eUj9K8r+EMm2cJ/etn/MSCu7FfBTl2mvxjJHFhv4k494P8JRZP4JTzfiNrEnpe3T/+PY/rXqFec/D2Pd4q1if1ln/Wb/61ejVNB3nVl/fl+Gn6FVVanSj/AHI/jr+oUUUV0nOFFFYnjSe8tfBOrzabuFylo5Qr1Xjkj3AyfwqZS5YtmtGm6tWNNO12l955jDqGmWHxrubS5urVbJ7xpnkeQBVkKbsZzj7+Bz3r2kEEAg5B6GvjPOetfS/wkuLy4+G9g1+WbazpCzdTGGIX8uQPYCuDD4tV6svcSb3t1tpqfWZ5w4sqwkKkarkr2s7aXu9PLy19TtaKKK9E+OCiiigAooooAKKKKACiiigAooooA4z4pf8AIp2f/Ya03/0rirs64z4pf8inZ/8AYa03/wBK4q7OgAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACuM+KX/Ip2f/AGGtN/8ASuKuzrjPil/yKdn/ANhrTf8A0rioA7OiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAK8m0UG3+LuoRdB/aDv/AN9qTXrNeVsv2b413nYPcW7D/gUY/qa58X/us/Jwf/k8TbC/7zDzU1/5JI7jxsceB9Y97Vx+Yqt4BGPC6+8z0/x82zwHqp9YgPzYCk8CDHhWL3kf+dTV/wB4pek//bC6X8Cr6w/9vOjooorqOYKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigArgPjBpX2zwil+H2mwlDFcfeDkL/ADIrv6434r3cNp8N9R8/cTKY0jC933gj8OM1pTrKhNVJbLf06i+qzxn+z01eUtF69PxMP4W7pr5pzz/oYBPuSv8Aga9Or5R8PeM9b8MXxudLutofAkidQySAHoR+J6YNfT2gavHr3h+x1SFCi3UKybCfukjkfgcivJwEqMYyp0u7eqtu/V7H0+eZTjMFyVsRZ3SWjb1S80t9zQryL4WNs154f7nnR/rmvXa8n8Dw/Y/iJqFt02X1yo+mDj+VdeK/gL/HD87fqfPYb+P/ANuT/JP9DZ+G43X+rP6yH9ZHNd/XA/DAZXU39WT9S5rvqzwmsJPvKf8A6UzXFaSiu0Yf+koKKKK6zlCggEEEZB6iiigDirj4SeD7jUjeNprJltzQxzMsZP8Aug8fQYFdjBBFa28cFtGkUMShEjQYVQOgAqSiojThDWKsdVfGYnEpRrVHJLa7bsFFFFWcoUUUUAFFFFABRRRQAUUUUAFFFFAHGfFL/kU7P/sNab/6VxV2dcZ8Uv8AkU7P/sNab/6VxV2dABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFcZ8Uv8AkU7P/sNab/6VxV2dcZ8Uv+RTs/8AsNab/wClcVAHZ0UUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXmvi1VtPilp1wox5lvC7e5WUjP5EV6VXmnxJJh8V6RKvU20g/JlNc2M/3Wp6X+7X9Dowv+80/W336fqdH8R22fD/AFI+vlD85UFT+Bhjwnb+7v8A+hGqXxOfHgO5H9+aEf8AkRT/AEq/4IGPCNr7l/8A0M0VP94p+k/zgFP+BU9Yf+3m/RRRXSc4UUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABWP4r8OweKvDd1pNy5iEwBSUDJjcHIOPr+ma2KKUoqSaZpSqzo1I1KbtJO69UfP1v8DPEj6kIbi4sorUN81yshbI9lxnPscfWvdtJ02DRtItdOswRBaxLEmepAHU+561borCjhqdG7h1PVzLOsZmajHENWj0Str3CvM9PjFp8Z75Ogaff/AN9wZ/ma9Mry7xBcDTfi4J+zRQSt9ASp/Sli7/V5Ps4v7pRPNwtvrEV3Ul98ZGt8LRnS7t/7xj/kT/Wu7riPhauPDsp/2kH5IP8AGu3qMF/Bv5y/9KZpi/4tvKP/AKSgooorsOQKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDjPil/yKdn/ANhrTf8A0rirs64z4pf8inZ/9hrTf/SuKuzoAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKK5rVviH4W0PxFBoWp6ssWpzyRxJbrDI53SEBASqkLkkckitjV9Y0/QdKm1LWLuOzs4BmSaQ4AycAe5JIAA5JoAu0VjeH/F2h+KftA0S+8+S2IE8MkTwyR5GQWRwGAPY4wapf8ACxvCf9vf2P8A2zH9s8/7N/q38rzv+efm7dm/tt3ZzxigDpq4z4pf8inZ/wDYa03/ANK4q7OuM+KX/Ip2f/Ya03/0rioA7OiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAK82+KK41rQ2/vR3A/LZ/jXpNeefFJP8ATNCf0adfzVf8K58V/u1X/DL/ANJZvhv94pf4o/8ApSLvxPf/AIoeP/ppdQj9c/0rZ8FDHhCy/wCB/wDoxqwfiW2fBNh/tXkH8jXQeDRjwjY/R/8A0NqmWtel/hl+cRw0o1f8UfykbdFFFdRzhRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAV5J8RAU+IiMOp0tT/5EavW68p+JY8vxxpz/wDPWxaP8nJrHEpvC1rfyt/dr+hrh2liaV/5l+On6nS/DNNvhiQ/9N8fki12Ncz4BhMPhdCRgSSuy+44H9K6asMvv9Vg+6v9+pvjtMTNdnb7tAooortOMKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDjPil/wAinZ/9hrTf/SuKuzrjPil/yKdn/wBhrTf/AErirs6ACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAy9e1mbRLKOe30bUdXZ5Nhh09Yy6jBO473UY4x1zyKwU8e6g8iqfAPipQxA3NFbYHv/r67KigDg/iyANF0EgcnxJp2ff8Afij4jgS6/wCBYLjmzk8QI0gPQyLDK0YP/Ahn6gVc8XfDyHxjewzXniLXbKKGSOaO1spoliSSM7lkAaNjuz79qvXngyz1PwnFoWsX2oagIXEsd/NMBdJKrbkkDoqgMp6EDoMHPNAHPa2ZLf432MmmjN1L4auxMFHVUljMRP8AwIkD6muY8mz/AOGP92Vx/ZH2jfnn7Rv37s/3vM79c16R4e8GWfh/UbrUmvtQ1XU7qNYZL7UZhJIIlJIjXaqqq5JOABk8nNZX/CqdE+0bPtmqf2T9q+1/2J9pH2Lzd2/Ozbu27/m2btue1AHYWLSvp9u1yMTNEpkHo2Bn9a8y+IF74vl02zi1bRtKt9N/tuw/0iDUXklx9rj2/IYgOeM/Nx716pXGfFL/AJFOz/7DWm/+lcVAHZ0UUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXB/FBP3Ojv6XLr+cZ/wrvK4n4npnR9Nf+7fgfnFJWGJ/wB3q/4Zf+ks2w/+8U/8Uf8A0pFb4jtnwPpH+1eW/wD6A1dN4RGPCdj/ALh/9CNcp8Q2z4E0D/avLb/0W1db4UGPCth/1z/qay3rUv8AA/zRptSq/wCNfkzXooorsOUKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACvHvjZrNvYato625D38McjshHARsAZ/ENXsNeJfGfwbqlzrqa7p1rLd20kKxzCJSzRMueSBztIxz6g57Vy4uc4UZci30fo9Ge7kGGwmJx8IYt2jutbXa1Wv9dje+GfxNttae28PXtoLS7SLbDIjZSYqMnj+E8E9x1r0+vnr4U+C9Xu/F9pqtzZz2tjZMZDLKhTzGwQFXPXnr7A19C1GBlOVL316eh0cS4XB4bHcuEejV2r3s9ev4hRRRXafNBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAcZ8Uv+RTs/wDsNab/AOlcVdnXGfFL/kU7P/sNab/6VxV2dABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFcZ8Uv+RTs/+w1pv/pXFXZ1xnxS/wCRTs/+w1pv/pXFQB2dFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVyHxKXd4ctj/dvUP8A46w/rXX1yfxHGfC8Z9LqP+tY4j+BP/C/yZrQ/jQ/xL80YXj9s+BPDfvdW5/8hNXaeFxjwvYf9cRXEeOjnwP4YH/TaE/lEa7nw2NvhnTx/wBMFP6Vzw1q0v8Ar3+pvPSnV/x/oadFFFdxxhRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHGfFL/kU7P/ALDWm/8ApXFXZ1xnxS/5FOz/AOw1pv8A6VxV2dABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFcZ8Uv+RTs/wDsNab/AOlcVdnXGfFL/kU7P/sNab/6VxUAdnRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFcr8RRnwnn0uYv8A0Kuqrl/iIM+D5D6XEP8A6MFZ1taUvR/kaUv4kfVfmcz4zO7wb4XH/TRT+URr0DRF2aBp6+ltH/6CK898WHd4T8L/AO8T/wCQyK9JsF2abbJ/diUfoK4qDvVh5U4/i5f5HXWVqc/OpL8FH/Mnooor0TgCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAOM+KX/Ip2f/Ya03/0rirs64z4pf8AIp2f/Ya03/0rirs6ACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAK4z4pf8AIp2f/Ya03/0rirs64z4pf8inZ/8AYa03/wBK4qAOzooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACuZ+IQ/4ou4PpNB/6OSumrm/iAM+Cbv8A66wH/wAjpUVNYP0Kh8SOR8THd4V8Mj2kP/juP616gi7I1X+6AK8u147vD/hdfVZv5qK9TrzsFrJP+5D/ANuPQxmkWv78/wD20KKKK9Q80KKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooA4z4pf8AIp2f/Ya03/0rirs64z4pf8inZ/8AYa03/wBK4q7OgAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACuM+KX/Ip2f/AGGtN/8ASuKuzrjPil/yKdn/ANhrTf8A0rioA7OiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAK53x7/yJN97NEf/ACKldFXOePzjwLqR9FQ/+PrRy83u9xOXKr9jjNUbfpPhRR3W4/SSMV6tXkc7+Za+Fk/utcj85Y69cryMud0n/ch+TPWzBWbX9+f6BRRRXrnlBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHGfFL/kU7P8A7DWm/wDpXFXZ1xnxS/5FOz/7DWm/+lcVdnQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAFDVtc0nQLVLnXdTs9Ngd/LSW8nWJWbBO0FiATgE49qyl+I3gl3Cp4w0FmY4AGpQkk/99Vv3Frb3cYS7ginQHIWVAwB9earjRdLBBGm2YI6HyF/woA86+LHhfSRfaF4iNu7aodf06ITNO5Cp5yjCpnaPqBmtz4qeGb7xV4b0+y07T4NRMOq211Pa3EwjjliRiXVmIOARx0PXpVb4ieH/GXiSayttAj0JbCzvba+WS9uZklaSJ920hY2G04HOc1u3LeND4fs3s4tBXWBIftcMssxtynzYCOF3A/dOSvqPQ0Acv4IudJ8O6trOjjwbbeF9Zhs1vZIbSUSxXkClgHWQBScMSCCoI3d65T+wIv+FH/8LE82T/hL/sv9sf2r5rb927f5WM48vb8mzpjtXofh/wALa0/i+78UeMJ7B72WxGnW9np4cwwQb97ZZwC7M2OwAArn/wDhXXij/hFf+EG/tHTf+EV8zZ9q/efbfsu/f5G3GzOPk356fw5oA9MtLj7VZQXAXaJo1fHpkZrzH4geNtM1XTbPS7a21VLj+27Ab59LuIovlu48/vGQL24557V6mqqiBUAVVGAB2Fcb8Uv+RTs/+w1pv/pXFQB2dFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVzfxC/wCSf6t/1yH/AKEK6Sud8fjPgHV/+uH9RWtH+LH1RlW/hS9GefW7+bNoC/3ZpR+bxGvY68T0R/M1LRUzkicHH1aL/CvbK8HK9E12UV9yZ7mZatPu5P77BRRRXsnkBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAHGfFL/kU7P8A7DWm/wDpXFXZ1xnxS/5FOz/7DWm/+lcVdnQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXGfFL/kU7P/sNab/6VxV2dcZ8Uv8AkU7P/sNab/6VxUAdnRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFc949GfAWr/8AXuf5iuhrA8dDPgTWP+vZq1o/xI+qMq38KXozyvwspfxNpR7Zg/8AQ/8A61e514l4MXdr+kn/AK4/417bXhZZ8VXydvuR7eY/DT81f8Qooor2DyQooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDjPil/yKdn/wBhrTf/AErirs64z4pf8inZ/wDYa03/ANK4q7OgAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACuM+KX/Ip2f8A2GtN/wDSuKuzrjPil/yKdn/2GtN/9K4qAOzooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACsLxuM+BdY/69X/AJVu1i+Mhu8EayP+nOU/+OmtKX8SPqjOr/Dl6M828DR79c0gAZ/dqfyjzXsdeV/CporrU3I5a1s0ByOhYLjH4A16pXmYPC1MPKqqis3OT+XQ9HFYmniI0nTd0oRXz6hRRRXecQUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBxnxS/5FOz/AOw1pv8A6VxV2dcZ8Uv+RTs/+w1pv/pXFXZ0AFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVxnxS/5FOz/7DWm/+lcVdnXGfFL/AJFOz/7DWm/+lcVAHZ0UUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABWR4tGfBetf9eE5/8hmteuK+Lc95b/DbUDY7hvKJMy9RGWAb8+AfYmplU9kvaW21OjDYZ4utDDp252lftfQ4v4N6zp1vq2owXd9BDPcJEkKSOF8wjdwM9T04r2mvjPOOlfWPgye8uvBOkTaluNy9ohct1bjgn3IwfxrnpZhLG1ZSlG3ofQZzw1SyTD03SqOSbtra9976dDbooorqPlwooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDjPil/yKdn/wBhrTf/AErirs64z4pf8inZ/wDYa03/ANK4q7OgAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACuM+KX/Ip2f8A2GtN/wDSuKuzrjPil/yKdn/2GtN/9K4qAOzooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACq+oWqX2m3NpKiuk8TRsrDIIIxViigNVseJ/CjwNoWtW91qOq2f2l7ecLEjudnTPK9/oeK9sAAAAGAOgrlfAHhW58JaRd2l5NFM0t00iNHnlMADOeh46frXVVpVhSjVl7FJLyKWKxeIpQ+tTcml1bYUUUVmSFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAcZ8Uv8AkU7P/sNab/6VxV2dcZ8Uv+RTs/8AsNab/wClcVdnQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRWXr2m6jqllHDpOuXGiyrJuae3gilZ1wRtxIrDGSDkDPFYKeEfFSyKW+I2qOoIJU6dZ8+3+qoAm1qXx6t7eS6HH4eWxhGYI7wzNLcYUE5ZSFj5yBw3qazpviRJd/D/w/rWi6cr6l4jlitrK0uJCEjlcEsXYDJRQjHIGSAOmawfiB8QtJv8AxNN4FfX7fQrSNAdZ1CWXy5NjDP2eHP8AEwPzP0UHuTV7xS2mQ+H/AAZ4j8MKt1oGhagjt9iUyLHamN4WdQMkhCQTjJwCe1AG3ofibWrfxdN4a8Yx6eLprI39reaeHSKWNWCOpVySrKSp6kEHtiuf/wCFieKP+EW/4Tn+ztN/4RXzN/2X959t+y79nn7s7M4+fZjp/FmpbW9s/iB8UU1HQJjc6Rpuiz2sl/GpEbzzuv7tScbiqoScdMgVy/8AwkEX/Cj/APhXnlSf8Jf9l/sf+yvKbfv3bPMzjHl7fn39Md6APdFZXQMhDKwyCO4rjfil/wAinZ/9hrTf/SuKuttIPstlBbhtwhjVM+uBivMfiB4J0zStNs9UtrnVXuP7bsDsn1S4li+a7jB/ds5Xvxxx2oA9UooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAOM+KX/Ip2f/Ya03/0rirs64z4pf8AIp2f/Ya03/0rirs6ACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAK4b4vLcv4IgWxljinOr6eEeVC6q32qPaSARkA4OM9M13NVr/AE2z1S3WDULdLiJZUmVH6B0YMrfUMAfwoA5X+zPiP/0M3h//AMEsv/yRR/ZnxH/6Gbw//wCCWX/5Irs6KAOM/sz4j/8AQzeH/wDwSy//ACRR/ZnxH/6Gbw//AOCWX/5Irs6KAOM/sz4j/wDQzeH/APwSy/8AyRR/ZnxH/wChm8P/APgll/8AkiuzooA4z+zPiP8A9DN4f/8ABLL/APJFH9mfEf8A6Gbw/wD+CWX/AOSK7OigDjP7M+I//QzeH/8AwSy//JFZfie4+Ivhrwpqetvr+gXC6fayXBhGkSqX2qTjPnnHSvR6r39ha6pp1xYahAtxa3MZimifo6kYINAHIwWHxHmt45f+El8PjeobH9jS8ZH/AF3p/wDZnxH/AOhm8P8A/gll/wDkiuyRVRFRBhVGAPQUtAHGf2Z8R/8AoZvD/wD4JZf/AJIo/sz4j/8AQzeH/wDwSy//ACRXZ0UAcZ/ZnxH/AOhm8P8A/gll/wDkij+zPiP/ANDN4f8A/BLL/wDJFdnRQBxn9mfEf/oZvD//AIJZf/kij+zPiP8A9DN4f/8ABLL/APJFdnRQBxn9mfEf/oZvD/8A4JZf/kimT2HxHht5Jf8AhJfD52KWx/Y0vOB/13rtqR1V0ZHGVYYI9RQB5z4YuPiL4l8KaZraa/oFuuoWsdwITpErFNyg4z54z1rU/sz4j/8AQzeH/wDwSy//ACRXV2Fha6Xp1vYafAtva20YihiToigYAFWKAOM/sz4j/wDQzeH/APwSy/8AyRR/ZnxH/wChm8P/APgll/8AkiuzooA4z+zPiP8A9DN4f/8ABLL/APJFH9mfEf8A6Gbw/wD+CWX/AOSK7OigDjP7M+I//QzeH/8AwSy//JFH9mfEf/oZvD//AIJZf/kiuzooA4z+zPiP/wBDN4f/APBLL/8AJFH9mfEf/oZvD/8A4JZf/kiuzooA808MXvxF8SaVLepr2gW4jvLi12HSJWz5MrR7s+eOu3OO2a2P7M+I/wD0M3h//wAEsv8A8kV1Vhptnpdu0Gn26W8TSvMyJ0LuxZm+pYk/jVmgDjP7M+I//QzeH/8AwSy//JFH9mfEf/oZvD//AIJZf/kiuzooA4z+zPiP/wBDN4f/APBLL/8AJFH9mfEf/oZvD/8A4JZf/kiuzooA4z+zPiP/ANDN4f8A/BLL/wDJFH9mfEf/AKGbw/8A+CWX/wCSK7OigDjP7M+I/wD0M3h//wAEsv8A8kUf2Z8R/wDoZvD/AP4JZf8A5Irs6KAPNLa9+Itz4z1Dw+Ne0BWsrOC6M/8AZEuH81pF248/jHl9c962P7M+I/8A0M3h/wD8Esv/AMkV1Uem2cWqTajHbot5PEkMsw+86IWKqfYFm/OrNAHGf2Z8R/8AoZvD/wD4JZf/AJIo/sz4j/8AQzeH/wDwSy//ACRXZ0UAcZ/ZnxH/AOhm8P8A/gll/wDkij+zPiP/ANDN4f8A/BLL/wDJFdnRQBxn9mfEf/oZvD//AIJZf/kij+zPiP8A9DN4f/8ABLL/APJFdnRQBxn9mfEf/oZvD/8A4JZf/kij+zPiP/0M3h//AMEsv/yRXZ0UAeaXN78Rbbxnp/h869oDNe2c90J/7IlwnlNGu3Hn858zrntWx/ZnxH/6Gbw//wCCWX/5IrqpNNs5dUh1GS3RryCJ4Ypj95EcqWUexKr+VWaAOM/sz4j/APQzeH//AASy/wDyRR/ZnxH/AOhm8P8A/gll/wDkiuzooA4z+zPiP/0M3h//AMEsv/yRR/ZnxH/6Gbw//wCCWX/5Irs6KAOM/sz4j/8AQzeH/wDwSy//ACRR/ZnxH/6Gbw//AOCWX/5Irs6KAOM/sz4j/wDQzeH/APwSy/8AyRR/ZnxH/wChm8P/APgll/8AkiuzooA801q9+Iuj6rodk2vaBKdXvGtQ40iUeViJ5N2PP5/1eMcda2P7M+I//QzeH/8AwSy//JFdVdabZ3txaT3dukstlKZrd26xuVK7h77WYfjVmgDjP7M+I/8A0M3h/wD8Esv/AMkUf2Z8R/8AoZvD/wD4JZf/AJIrs6KAOM/sz4j/APQzeH//AASy/wDyRR/ZnxH/AOhm8P8A/gll/wDkiuzooA4z+zPiP/0M3h//AMEsv/yRR/ZnxH/6Gbw//wCCWX/5Irs6KAOM/sz4j/8AQzeH/wDwSy//ACRR/ZnxH/6Gbw//AOCWX/5Irs6KAPNPE978RfDelRXr69oFwJLy3tdg0iVcedKse7Pnnpuzjvitj+zPiP8A9DN4f/8ABLL/APJFdVf6bZ6pbrBqFulxEsqTKj9A6MGVvqGAP4VZoA4z+zPiP/0M3h//AMEsv/yRR/ZnxH/6Gbw//wCCWX/5Irs6KAOM/sz4j/8AQzeH/wDwSy//ACRR/ZnxH/6Gbw//AOCWX/5Irs6KAOM/sz4j/wDQzeH/APwSy/8AyRR/ZnxH/wChm8P/APgll/8AkiuzooA4z+zPiP8A9DN4f/8ABLL/APJFH9mfEf8A6Gbw/wD+CWX/AOSK7OigDiZ7D4jw28kv/CS+HzsUtj+xpecD/rvWd4YuPiL4l8KaZraa/oFuuoWsdwITpErFNyg4z54z1r0Z1V0ZHGVYYI9RUFhYWul6db2GnwLb2ttGIoYk6IoGABQByn9mfEf/AKGbw/8A+CWX/wCSKP7M+I//AEM3h/8A8Esv/wAkV2dFAHGf2Z8R/wDoZvD/AP4JZf8A5Io/sz4j/wDQzeH/APwSy/8AyRXZ0UAcZ/ZnxH/6Gbw//wCCWX/5Io/sz4j/APQzeH//AASy/wDyRXZ0UAefat4R8ca9BbWureJNFe1ivLe6dYNKkjdvKlWQAMZjjlfSvQaKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACsDXvC39v3sU02u6zYwRR7fs+nXhtlZsk72ZfmJ6DGccdK3689+JsXizVJbLRtD0W6u9CuFLarPZXkEM0q5/1CmR12hv4mGTg4HegDm7XxXrp8BS2dlrE9z9u8UDQtJ1qUK0rWzMAZc4w7LiVQ+OSoNdHaxXngv4laJo8esalqema9bXKmPUrk3Dwzwqrh1duQGUsCvTIGKNU0PVfEPge1g03w5/wjl9oV9b3el2VzPE0chhIIXMTMFUgsvr3qfT9P8QeJfH2meIPEOjf2HaaLbTJbWz3Uc8k00wVWcmMlQoVcDnJLdBQBQubC+0L41+G1XxFrN7b6vHqMs9pdXeYE2LGUVI1AAC7zjOTwOaseLLi41X4paX4Xu9avNG0qTTJL1Wsrg28l5OJAvl+YOcKp3bVIJzzwKpeJZPGNx8TNF1iw8DXdzZ6IL2EONRtV+0iUIquoaQFR8mcEZ5rovGltJqVlZQ3HgSHxRCwLyQyzQA2z4GMeaQDnJBKnt3zQBmfDHxFJf6p4p8PNqsmsQ6DfJFbX0zh5Hidc7GYfeKsrru6nFXviJqV/EmhaHpN5JYz67qa2kl1DgSQwhGkkKE9GITAPbOap+E/h+1vpOtvrMS6Vc67PFI9ro9w0IsoYlVYYUkj2nIC/MVwDuI6dZPEXgi6t9F0mXwvJcXuoaJqa6jBHqV9JK1wNpSSLzZCxXKscdgQPegCPRvtnhT4nxeGzqt/qWl6ppkl3ANRuDPLBNE6qwEjfMVZXBwScEcdap6XYX2g/HC3sH8RazqdteaJcXUkN/d741cTxgFUACrgEgcZ561p6Hpmu618Qf+Ep8Q6V/Y0Nnp7WNlZPcJNIzO4aSVihKgfKqgAnuTisS9m8Zn4qweIYfAd5LZ2unTaeMalaAybpUYSDMnAwnQ880Aep1j+IPD7eIFt4zrGqadDEzM66dceQ02cYDOBuAHP3SOtbFcb8SZfFx0WCy8E6dNcSXkmy8ureeKOW1h4yYxIyguckA5+Xr6UAcc/izVfCmjfEIabqdzrFloZgh027vn8547qUbXiMh/1gRmQ88jOCa1r2w1P4f6x4XvF8Ratqsep6jHpmpQ6hcmVJGlVtsqKf9WQ6jhcDBxUkXhefXfhjqfgyPwvc+Frf7MFtJbm6gm3y7twdjE7EneoLE8nNSPY+LfGOseHY/Emgx6NZ6NeLqF1MLyOb7VOiMqLEFyQu5txLYPAGKAIfHdhfaT408L6xa+ItZC6h4gt7STTxd7bVYjFISojUDOSgJ3E9TV74i6jdLr3hXQxqk+j6brF3NHeX1vJ5UnyRFo4lk/gLtxkc8YHWqfxFXxVqWu6JFovg+5v7XR9Xh1E3S39tGs6rE4KqruGBzJjkdjXQeIWvNU8JW323wUustcMv2rSLi4gJhGCc5Y+WxBAHBHXIPFAGB4M1o6f8Utb8FRa1c6zZ29jFfQyXdx58ts5bbJEZDyw5RhnkZrd+JOuX2g+CLifR5Fi1C6ngsrWVl3CN5pVj34PXAYn6gVi+D/Abxapqur6jpFv4djvLAaZZ6Zp0oVrW3yzOxkjwBIztnKnjA5Jq3r/w5WfwRqGl6HqF617JLDdWsup301yEmhcOgy7EqpK4OPXNAFJrW98B+N/DUEOu6rqen63LLZXcWp3RuCsoiMkcqE/cJKMCo+XB6cVn/FHQBo3h64vNI13xImtareJaafCmuXKxi4mfAAQPgKo3HHQBcVrw2PibxZ4y0HUfEGhLoVjoZluDG95HO11cPGY127M4RQzHJwSSOKv6toWo638VNEvLq326HolrLcxSF1PnXknyAbc5+RNxBI6tQB1Gm2jafpVpZvcS3LW8CRGedy0kpVQNzE8knGST3pmrWMmp6XPZw31xYPMAv2m1IEkYyM7SQQDjjOO9XKzfEV1qll4dvbjw9p66lqaRn7NatKsayP0GWYgADqeR0xQBw6QXXhb4qeHtG0fXtW1OLUILiTUrPUbtrryYkT5JgW5jzJhfQ56cVi2/9u+IfhxqfxDg8Sapa6kour2ws4rgi0ihhdwkTQ/dfcsfLHnLdsVs/Dy18QaTeM+veEdR/tTVH8zU9buLy0YFgDhQiSlhGv3VVRx+dUR4e8Z6R4M1PwDpOjwz2Vy1xBZ6014ixwW07sx3xn5y6B2A2gg4HNAHWPpA8caXpWtSa1rOnW1xYxzC0068NupLrv3MyjcSAQMZxx0rj7Dxpq+k/B/xXq8V9Jqo02/ntNG1C5AZrmPckcbsQMPiRmG7+LbWj450vxOum6N4V8NaLeXnh2O2SLUZ7O8ghnljQbRApkddoYAbmHY4HetO80G58X/C/UvDUmgyeFg0At7OGWWGRU24aNh5TMAoYDjrwaAMu9sNT+H+seF7xfEWrarHqeox6ZqUOoXJlSRpVbbKin/VkOo4XAwcV6Pe3SWVhcXUgJSCJpGA9FGT/KuAex8W+MdY8Ox+JNBj0az0a8XULqYXkc32qdEZUWILkhdzbiWweAMV0kHgvT4NUur77Zq0zXQkWSGfU5pIQJM7gImYqOvGBx2oA83eTxBa/CiL4lt4h1N9X8pNTksTcH7E0DMCYBD90Dyzjd97POa3PjRaXn/Cv9R8S6X4i1rTZLGzVoYLC78iNyXHzPtG4nDY+8BxWcfDHjOf4fxfDefSYlsl22b6+LtPLazVwciL7/mFBtxjGec4rd+Lll4g1jwRe+G/DPhubUvt9uE+0JdwxJAQwIBEjAngdqAPQap6tYyanpc9nDfXFg8wC/abUgSRjIztJBAOOM471DoOoajqWnGfWNFm0a48wqLaaeOZivGG3RkjnnjOeKPEV1qll4dvbjw9p66lqaRn7NatKsayP0GWYgADqeR0xQBw6QXXhb4qeHtG0fXtW1OLUILiTUrPUbtrryYkT5JgW5jzJhfQ56cVi2/9u+IfhxqfxDg8Sapa6kour2ws4rgi0ihhdwkTQ/dfcsfLHnLdsVs/Dy18QaTeM+veEdR/tTVH8zU9buLy0YFgDhQiSlhGv3VVRx+dUR4e8Z6R4M1PwDpOjwz2Vy1xBZ6014ixwW07sx3xn5y6B2A2gg4HNAHWPpA8caXpWtSa1rOnW1xYxzC0068NupLrv3MyjcSAQMZxx0rj7Dxpq+k/B/xXq8V9Jqo02/ntNG1C5AZrmPckcbsQMPiRmG7+LbWj450vxOum6N4V8NaLeXnh2O2SLUZ7O8ghnljQbRApkddoYAbmHY4HetO80G58X/C/UvDUmgyeFg0At7OGWWGRU24aNh5TMAoYDjrwaAMu9sNT+H+seF7xfEWrarHqeox6ZqUOoXJlSRpVbbKin/VkOo4XAwcV6Pe3SWVhcXUgJSCJpGA9FGT/ACrgHsfFvjHWPDsfiTQY9Gs9GvF1C6mF5HN9qnRGVFiC5IXc24lsHgDFdJB4L0+DVLq++2atM10JFkhn1OaSECTO4CJmKjrxgcdqAPN3k8QWvwoi+JbeIdTfV/KTU5LE3B+xNAzAmAQ/dA8s43fezzmu88VaHpd5Zz+IdS1nXLG2tbQzSCw1We2jEaqWLbEYDOO/0rjj4Y8Zz/D+L4bz6TEtku2zfXxdp5bWauDkRff8woNuMYzznFdd8RtC1LxH4btPD2lW5Npf3sMWoyrIqeRaK26TGSCSdoXAz940AQ/CO01OD4b2F1rl5e3V3qJa9P225ed4kkOY4wzknATbx6k121IiLHGqRqFRQAqqMAD0paAPKvHuk3vg3wzJrumeLden137TGlnBcXfmRXkruAIPs+AhBBPQAgDOeK0bmK98a/EjWtHm1jUtL03Qba2XytMujA808ys5ZnXkhVCgL0ySTWRZjxnP40n8R+JvAd9fT2zNFpNvDqNn5NlEeC4DSgmVu7EcDgYFb17YeIvDnjvUfEOg6H/bVrrdrAl1aLdxwy288IZVbLkKVKtg4OQV70AR+FP7T8XeD73SNU1y/gu9H1efTp7+ydYprpIm+UlsHaWVkyRg5B6ZpnhprvSPizfeG7DWdQ1bSYtKW5ulv7g3D2dwZAEUSN83zpubaSeme9Qw6T4z8KfDW/bQdPg1DxVq+oTXtwkcyCO1eZiSVMhUPsUKAM8n2q/8OrS/0W3OmXHhLUdOEm64utUvr22mku5yRuZ/LkZix+mABj0oAz7mwvtC+NfhtV8Raze2+rx6jLPaXV3mBNixlFSNQAAu84zk8DmvS68v8SyeMbj4maLrFh4Gu7mz0QXsIcajar9pEoRVdQ0gKj5M4IzzXY6j4Utdc1C21O8utWtZ40QeRa6nNDGMHOGRGCscnBOOaAOWhs77x74v8TCXX9W0uw0a4TT7KLTLowfvRErySvj75y4AB+XA6c1a8LPqHxA+GNj/AGnrF/p1/HPJBd3WmSLDJK8MjxnnadobaGOAPbFMex8T+EfFmv3fh7QV12w1yRLtFW8jga1uBGEcPvxlG2qcrkjkYq94e0rVvAfw3s7K201tf1RHaW5itpo4d8ksjSSENIQMAsQM8kAUAR/B67u734WabNqN5c31x512jXF1K0sjhbqVV3M3JwAB+FdvXnvwjtvEei+GYtB8ReGptMFs1xMt015BKshkneQKFjckEB+p44r0KgDzzxzoA0rQtb8S3HjLXrGaCOS4gKXuyCBh9yMQgbXBOBhgSc9eapfbtd8Xa94a8Oape3mjM3h9dX1YWEhgmklYrGIg4+ZAGLkgegFRa5B4u1X4gtd6x4MvNT0LSpQ2lWtvfWqxzSj/AJeZQ8gJYfwqRhevWtnV7DxBD4q0jxrpGiNc3J057DUNIe6iSVUZhIpV8+WWVgQfmwQeDQBD4YGp3dz4t8FXeuagzaVPB9l1MOpulgmjEgUuQQWBDruIJxiq6QXXhb4qeHtG0fXtW1OLUILiTUrPUbtrryYkT5JgW5jzJhfQ56cVZ0nTvFOk6f4r8U/2PDP4j1mVJLbSRdJtiSNBHEjSEhScbmbBxzgGqvw8tfEGk3jPr3hHUf7U1R/M1PW7i8tGBYA4UIkpYRr91VUcfnQAeO7C+0nxp4X1i18RayF1DxBb2kmni722qxGKQlRGoGclATuJ6mvS682+Iq+KtS13RItF8H3N/a6Pq8Oom6W/to1nVYnBVVdwwOZMcjsa6a+8Pp4t0+wudaGraRcJGS1rZ6pJCULYyrmFwrkY65PfHWgDC1Vbzxd8Trvw9/a2oabpWkadFcTLp1wbeSeeZm27nX5tqqh4GMk85xR4RF34i0HXfDeu6pqEk2jaq9kt/b3LQXEsQCSRs0keDu2uFOOuOetSalpGueG/HR8ReG9LbW7a906OxvLT7WkUyvEzGOUNIQGGGZSCc9DzWh4E0LUdE0vVL7W44xqmsahLqM9vA4cQ7gFSIMcBsKijPAzntQBzPhzSZYvjZd2ema3rtxpehaev2yO91We4SS6myUUq7EELGC31I9q9SrkPhtoGoaN4furvxBCIda1i+mv76MOH8tnbCxhgSCFQKODjrXX0Acp4j8Kw39xd6rqPinXNNto4twSz1D7NDbKq8v8AKOe5O4ke1cTpviPxH4j8K+A9HvNSubO68QzXLXOowKIp5LSAMysvHyNIvlHI6ZOOtafj618Va74qg05/C11qfhK2VZpYrW9t4zqE3BCyCSRSI1P8OPmI54rQ13Tte1aPw54n03QjaatodzKf7IubmIGWCRDG6iRCyBsbWXnHGDigBmhjUNG8far4MOs393Z3GkrqNjc3cvnT2rF2idd7ZLDO1huzjkVn69p934K13wx/YvibW9Q1DUtVjtprLULw3C3NucmZ9hGE2L825QAOnetbRdO8QXHizV/GesaOLO6/s1bDTtK+1I8jIrNIxd1JQF3IAwSABzWH4Qj8XW/iKXXPFfgm+udbvnEL3Yv7Qw2Fvu4jiXzSwUDljjcx/CgDrPEfhWG/uLvVdR8U65pttHFuCWeofZobZVXl/lHPcncSPaj4Y6rqmt/DfSdQ112lu5kc+c8expoxIwjkK9iyBW/Guc8fWvirXfFUGnP4WutT8JWyrNLFa3tvGdQm4IWQSSKRGp/hx8xHPFdY+lt4t8O28etWWp6A6SFvs1tqPlSJjKgF4HwVIOcZ9O4oAx/F9xe6x480PwjZ6jdabaXFrPqF/NZS+VM6RlESNXHKgs+SRzgYyKj8KSahb+I/FPgy61e9uorOGCewvp5A9zFHOjAqXI+Yo6Egtk8jOcU7XPDOp6Nrfh/XvC1tLq0mlW81lc2lzefvriCTaciWQ8srKD8x5BPIqx4T0nWYta8ReK9c09bW/wBUWKO301J1kaGGFWCqzj5dzMzE4OBxzQBnfD+2vNK+I/jPRrjW9W1a2tIdPeFtTujMyGRZi+OgXJA6AdBXoteYeGX8YW/xM1vWNQ8D3VrZa2tlCZG1G1f7MIVdWZgshLD584AzxXp9AGBr3hb+372KabXdZsYIo9v2fTrw2ys2Sd7MvzE9BjOOOlecWvivXT4Cls7LWJ7n7d4oGhaTrUoVpWtmYAy5xh2XEqh8clQa6T4mxeLNUlstG0PRbq70K4Utqs9leQQzSrn/AFCmR12hv4mGTg4Hek1TQ9V8Q+B7WDTfDn/COX2hX1vd6XZXM8TRyGEghcxMwVSCy+vegAtYrzwX8StE0ePWNS1PTNetrlTHqVybh4Z4VVw6u3IDKWBXpkDFZvj3Sb3wb4Zk13TPFuvT679pjSzguLvzIryV3AEH2fAQggnoAQBnPFbOn6f4g8S+PtM8QeIdG/sO00W2mS2tnuo55Jppgqs5MZKhQq4HOSW6CsCzHjOfxpP4j8TeA76+ntmaLSbeHUbPybKI8FwGlBMrd2I4HAwKAO713wsdfu4p7jXNYsIYotv2bTrw26s2clmZRuJ6DGccdKyPhZql9qeg6mLu/l1SztNVntdN1CbBe6t0wAxYAB8NvXd321T+JSeLtWax0fRdDu7nRLlN+rS2d5BFO6/8+6mR12g/xMM8HA71t6XYNrfhNtI1DQb7wtbQlIobe3vkRwi4IKPbudo4xjIJ57GgCp8QtRvxN4f8P6Vey2E2u6j9nluoCBJFAkbSSbCejEKAD2yTVLRlvPDXxMfwq+rahqOl6jpTXtub+4aaa3ljkCOokPzFSrqeScEcdak8ReCbu00vRrnws899qGhaj9uii1G+eRrlGVkki82QkrlWOCeAQKl0DS9c1f4gS+K/EOljR47fT/7PsrF7hJpDukDySuUJUfdVQATwDnFAHL+M/C507WvDOiaD4k8ULqGr6gN7Prty4S1iG+dsF8ZxhRnu1ev1x2m6FqN18WNW8R6vb+Va2tlHp+k5dW3oTvmkwCdpLbVGcHC12NAGbrukPrenizTU77TFMgZ5bCQRysoz8u4g4B45HPHUV5/bapc+D/HOv6fZ6tqGs6RpugPqV3Hf3BuHtLhTlEEp+Yb0DHaSeme9dh45u/Etn4VnPgnTVv8AV5GEcQaSNBCD1k+dlDY7Lnkkds1zng7RLqPQL3w3qHhPUtNh1CCU32q3t7bTSXcsg2uz+XIzFjk9sADHpQBgXH9u+HvhxpnxDn8Sapdak32W8v7OW4JtJYZnQPEsP3U2rJww5yvfNdz4j8Kw39xd6rqPinXNNto4twSz1D7NDbKq8v8AKOe5O4ke1cifD3jPV/BmmeAdW0aGCytmt4LzWlvEaOe2gdWGyMfOHcIoO4ADJ5q34+tfFWu+KoNOfwtdan4StlWaWK1vbeM6hNwQsgkkUiNT/Dj5iOeKANHwhNqPiz4PWFz4i1HULa4mjeRryyJgnmiWRtj4UZBeMKSFGTnjrWT4B1Z7n4jXdh4f1PXL/QYdP33Q1wyeZFclxs8vzgJcFd2cjbwO9dk+sa8nhmG8s/CcgvfM2Ppcl7CjpGMjcHUsh6AgZHB6isLTtO8R+IPiLZeI9Z0ceH7PTbGe1SFrpJp7ppSpO4xkqqLsyBknNAHQ+N9efwv4F1nW4FV5rKzkliVuhcD5c+2cVw95Z6x4Gt/DWvSeJNV1Ka7v7a01eC9uDJBKJztZkj6RlXII244GDmujvfhtp83hjWtJg1DVZP7Us3ti9/qM10sZI+VgsjEAg4PHXFYjaZ4x8VL4d0fxFocWmWulXkF3f34vElW8aDlViRfmAZwCd4XAGOaAHfEiwvtO17w9rdp4i1mEXPiDT7RrCK78u18tpAHBRQC27HO4kcnivS684+JkfijVLzSLTQvCdxqNvp2q2epNdLfW8ayCJ9zRhXcMD2zjFd3pN1d3ulwXGo6fJptzICZLSSVJGiOSMFkJU8c8HvQBcooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKK881CfxJrPxY1HQtM8T3GjWNnpdvdKkFpby7nd5FJJkRj0UdDVzw/ruuab48l8IeKbmDUXlsjf6fqUUHktKiuEeORASA4JByuAR2FAHb0Vx0XxHsxqNpb6joWvaVBezrb297f2YjheRjhFOGLKWPA3KOTWbH8QNVT4r6v4fbw/ql3Y20Nt5TW0UP7suzBpWLSA7DgY6n5Tx6gHodFcjrXxDt9BuLr7d4f1/7BaMRcalHZA28YHV/vbyo7sqkcV1kUqTwpLC6vHIoZGU5DA8gigB1FcH8PoZ7zxH4u1O81LUbh4dauLGG3mvJHgiiCxMAsRO1SCTyBnBIqXQvippHiG0+3Wem6tDpsazNdajcW6pBa+UGLB23c8Ln5Qw5GSDkAA7eiuL0v4oaVqN/p8E2maxptvqr7NPvb+0EcF2xGVVW3EgsBlQwXPas3TfFsOieKfH914h1KYWFjfWsdvE7s+0tbIfLiT+8zH7qjkmgD0aiuO8W+JNRh8EWk+lQ3GlavrFzb2VnHdxxmSB5XAJZcsuVQO2OenPeor/4oadZa1q+k2+ja3qd5oxT7WtjarIFVow4fO4DGDjHDEg4BxQB21FcMnxa8PzR2N3bW2pzaReSRwrrCWuLSOSQgKrMSCPmIUkKQG4JBBrSi1GyX4nX9m15qQuYtIinkgklX7EkZlcB1XORJkEE9NoWgDp6K4iP4raO/kXLabrEWj3EqxRa1LZ7bRyzbVbdu3BSSAGKheRzV3VPHttYa7daTY6LrOs3NkqNd/wBm2yutvvG5Qxd1ySvOFycEUAdVRXKz6rZy+PtAhebWLe6u9NuJ4rTIS3Kgx585Cc+Yu4AemWqC8+I9npt5t1PQtesrAXAtzqk9mFtlYttBJ3bwpOAGK45HNAHY0VzniHxtY+H9UttKWy1DVdUuYzMlhpsIklEQODI2SqqueMkjJ6VkeN7l9d+Eer6tAdb0K5srK5u4UEz2c6SRRyYD7G5XIzjJB4PpQB3VFZfhiaS48I6PNPI0ssljC7u7EszGMEkk9TWpQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAeaX2py+G/jRqmpXWja1d2d1o9tDFNp+mTXKl1kkJUlFIBwR+dS2Frrvibx3c+Lv7Kn0m3sdJksdKg1ABZp5nYM0roCdi/KqgHk9eK9GooA+ebzTda1Tw3pYudM8cXniGO+s5NTa+kmFrGyzoXMcYPluueRsUgL8xIxXocs1z4d+M2pahdaTqdzY6vp9pBBc2Vm86JIjyBlk2A7Pvg5PGO9eh0UAeE+I7PXdRt/FdrrVh4yvtZkluk06Kxmli0425B8ogxkIw243K2WY5GCTXr/hGGa38E6HDdRvFNHp1ukkcilWRhGoIIPIIPateigDiPhsR9q8ZjIz/wk1ycf9s4qwPDvhLU9R/Ztn8NtbS2GpXVveIsNyhiYO08jKGB5AbI59DmvQrPwzomna3c6xY6Va2+pXYIuLuOICSUEgnc3U8gH8K1KAPJ9QvdV8cWnhnQYPC+r6XcWeo2l3qE97amKC1WAhmEch4kJIwu3PBycVn3Xg7XD8UfEvi/SrKSe702/hltLK8QrBfxm1RZPLZhhZBghZB0OQeDx7RRQB59DqS+M/iToBS1u7a30fTpNTmt7yBopI55iYYkdGHDBROfyIyMGrfhDT7q2+IHjy5ubOaKG7vbZoJZIiqzKLZASpIwwByOO+a7NYYkmeVI0WSQAO4UAtjpk98Zp9AHiy6Dqy/so2WkLpV6NSVLfNkLZ/OBF4jH5MbuBlunTmum1Tw/fat8TvEkaxTQW2oeFUso7wxt5YkaSYEBuhIDA469K9DooA8H0zw3px8NWnh7xR4d8ezXsUMdrc2sN3cyWUhXA3I/meUI+AQMjA4xxXR+N4reLxFqV1pGl+MrDXmiVUvtFgdre9YIPL39Y2Ck7SXAPB5xg16rRQB51aWevz/EDwTf67Zv9qi0G5TUZoYyYorhvJypYfKCSGwM9jivMvFltrl58ONWj8QWXjG58UMzLPunlj05SZcL5aqwjdSCoVQGYsRx3r6SrM1/Q4fEOliznuLi1KTRXEU9syiSKSNw6sNwZTgqOCCKAOQ1g33hX4qTeJW0i/1TS9S0yOzd9OgM8trLHIzDMa/MUYP1AOCOa0PGGqDVvgx4mvTZ3diJdHvQsN9F5UoxE4BK5yM4yAecHoK66CIw28cTSvMUQKZJMbnwOpwAMn2Aqlrfh7SPElklpr+m22o28cglWK5jDqrgEBsHvgkfjQBD4T/5EvRP+wfB/wCi1rXpkEEVtbxwW8axxRIERFGAqgYAHtin0AFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAH/9k=)

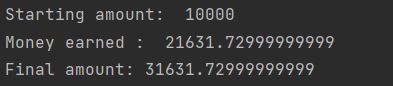
Wykres 2: Wartość wskaźnika MACD i SIGNAL

Powyższy wykres przedstawia wartości wskaźnika MACD oraz SIGNAL dla zadanego zestawu danych. Zaznaczone zostały również miejsca przecięcia sygnalizujące moment sprzedaży lub zakupu akcji.

Kolejnym postawionym zadaniem było wykorzystanie wskaźnika MACD do symulacji grania na giełdzie. Założenia początkowe to:

* Ilość posiadanych akcji na start: 0
* Kapitał początkowy: 10000 jednostek
* Kupno jak największej ilości akcji (kapitał nie spada poniżej 0) następuje w momencie przecięcia linii SIGNAL linią MACD od dołu
* Kupowane były tylko całościowe akcje
* Sprzedaż wszystkich posiadanych akcji w momencie przecięcia linii SIGNAL linią MACD od góry
* Na końcu symulacji sprzedano wszystkie pozostałe akcje za cenę z ostatniego dnia.

Wynik symulacji:



Rysunek Wyniki symulacji

**Analiza symulacji**

Powyższy rysunek pokazuje przychody osiągnięte w trakcie symulacji. W ten sposób, kapitał 10000 jednostek został przekształcony w 31632 jednostki, co oznacza ponad 200% zysk. Ze względu na drobną niedokładność wynikającą z dużego zestawu danych o małej dokładności, zaznaczone miejsca przecięcia wskaźników na wykresie nieznacznie różnią się z rzeczywistym miejscem przecięcia. Dokładniejsze wyznaczenie tego przecięcia pozwoliłoby na jeszcze bardziej wydajną symulację i możliwie większe zyski.

Na następnej stronie kod programu, dostępy również pod adresem <https://github.com/danielewiczmaciej/macd>

**Kod**

**import** pandas **as** pd

**import** matplotlib**.**pyplot **as** mp

**import** numpy **as** np

**import** math

**def** ema**(**data**,** day**,** n**,** signal**):**

alpha **=** 2 **/** **(**n **+** 1**)**

total **=** 0

div **=** 0

**if** signal**:**

**for** row **in** **range(**n**):**

total **+=** data**[**day **-** row**]** **\*** **pow((**1 **-** alpha**),** row**)**

div **+=** **pow((**1 **-** alpha**),** row**)**

**else:**

**for** row **in** **range(**n**):**

total **+=** data**.**loc**[**day **-** row**]** **\*** **pow((**1 **-** alpha**),** row**)**

div **+=** **pow((**1 **-** alpha**),** row**)**

**return** **(**total **/** div**)**

**def** buy**(**money**,** fund**,** price**):**

available **=** math**.**floor**(**money **/** price**)**

fund **=** fund **+** available

money **=** money **-** available **\*** price

**return** money**,** fund

**def** sell**(**money**,** fund**,** price**):**

sold **=** fund **\*** price

fund **=** 0

money **=** money **+** sold

**return** money**,** fund

**def** trade**(**idx**,** macd**,** signal**,** lista\_cen**):**

money **=** 10000

fund **=** 0

**for** index **in** idx**:**

**if** signal**[**index**]** **>** macd**[**index**]:**

money**,** fund **=** buy**(**money**,** fund**,** lista\_cen**[**index**])**

**else:**

money**,** fund **=** sell**(**money**,** fund**,** lista\_cen**[**index**])**

money**,** fund **=** sell**(**money**,** fund**,** lista\_cen**[**index**])**

**return** money

**def** establish\_stock\_indicies**(**ema12**,** ema26**,** macd**,** signal**,** ceny\_zamk**):**

**for** row **in** **range(**12**,** 1000**):**

ema12**[**row**]** **=** ema**(**ceny\_zamk**,** row**,** 12**,** **False)**

**for** row **in** **range(**26**,** 1000**):**

ema26**[**row**]** **=** ema**(**ceny\_zamk**,** row**,** 26**,** **False)**

macd**[**row**]** **=** ema12**[**row**]** **-** ema26**[**row**]**

**for** row **in** **range(**26**,** 1000**):**

signal**[**row**]** **=** ema**(**macd**,** row**,** 9**,** **True)**

**def** find\_intersection**(**macd**,** signal**,** x**):**

idx **=** np**.**argwhere**(**np**.**diff**(**np**.**sign**(**np**.**array**(**macd**)** **-** np**.**array**(**signal**)))).**flatten**()**

mp**.**plot**(**x**[**idx**],** np**.**array**(**macd**)[**idx**],** 'ro'**)**

**return** idx

**def** main**():**

# Use a breakpoint in the code line below to debug your script.

data **=** pd**.**read\_csv**(**'wig20\_d.csv'**)**

ceny\_zamk **=** data**.**loc**[:,** 'Zamkniecie'**]**

ema12 **=** **[**0**]** **\*** 1000

ema26 **=** **[**0**]** **\*** 1000

macd **=** **[**0**]** **\*** 1000

signal **=** **[**0**]** **\*** 1000

establish\_stock\_indicies**(**ema12**,** ema26**,** macd**,** signal**,** ceny\_zamk**)**

x **=** np**.**arange**(**0**,** 1000**)**

mp**.**plot**(**x**,** macd**,** '-'**,** label**=**'MACD'**)**

mp**.**plot**(**x**,** signal**,** '-'**,** label**=**'SIGNAL'**)**

idx **=** find\_intersection**(**macd**,** signal**,** x**)**

lista\_cen **=** ceny\_zamk**.**values**.**tolist**()**

**print(**trade**(**idx**,** macd**,** signal**,** lista\_cen**))**

mp**.**legend**()**

mp**.**show**()**

mp**.**plot**(**x**,** lista\_cen**,** '-'**,** label**=**'Cena'**)**

mp**.**plot**(**x**[**idx**],** np**.**array**(**lista\_cen**)[**idx**],** 'ro'**,** label**=**'Moment sprzedaży/kupna'**)**

mp**.**legend**()**

mp**.**show**()**

**if** \_\_name\_\_ **==** '\_\_main\_\_'**:**

main**()**