Opgave 1.1:

![Et billede, der indeholder tekst

Automatisk genereret beskrivelse](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAYABgAAD/4RD4RXhpZgAATU0AKgAAAAgABAE7AAIAAAAPAAAISodpAAQAAAABAAAIWpydAAEAAAAeAAAQ0uocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAENsYWVzIExpbmRob2xtAAAABZADAAIAAAAUAAAQqJAEAAIAAAAUAAAQvJKRAAIAAAADOTIAAJKSAAIAAAADOTIAAOocAAcAAAgMAAAInAAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADIwMjI6MDk6MjggMTY6NTg6MjYAMjAyMjowOToyOCAxNjo1ODoyNgAAAEMAbABhAGUAcwAgAEwAaQBuAGQAaABvAGwAbQAAAP/hCyFodHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLjAvADw/eHBhY2tldCBiZWdpbj0n77u/JyBpZD0nVzVNME1wQ2VoaUh6cmVTek5UY3prYzlkJz8+DQo8eDp4bXBtZXRhIHhtbG5zOng9ImFkb2JlOm5zOm1ldGEvIj48cmRmOlJERiB4bWxuczpyZGY9Imh0dHA6Ly93d3cudzMub3JnLzE5OTkvMDIvMjItcmRmLXN5bnRheC1ucyMiPjxyZGY6RGVzY3JpcHRpb24gcmRmOmFib3V0PSJ1dWlkOmZhZjViZGQ1LWJhM2QtMTFkYS1hZDMxLWQzM2Q3NTE4MmYxYiIgeG1sbnM6ZGM9Imh0dHA6Ly9wdXJsLm9yZy9kYy9lbGVtZW50cy8xLjEvIi8+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczp4bXA9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8iPjx4bXA6Q3JlYXRlRGF0ZT4yMDIyLTA5LTI4VDE2OjU4OjI2LjkyNDwveG1wOkNyZWF0ZURhdGU+PC9yZGY6RGVzY3JpcHRpb24+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iPjxkYzpjcmVhdG9yPjxyZGY6U2VxIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpsaT5DbGFlcyBMaW5kaG9sbTwvcmRmOmxpPjwvcmRmOlNlcT4NCgkJCTwvZGM6Y3JlYXRvcj48L3JkZjpEZXNjcmlwdGlvbj48L3JkZjpSREY+PC94OnhtcG1ldGE+DQogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgIDw/eHBhY2tldCBlbmQ9J3cnPz7/2wBDAAcFBQYFBAcGBQYIBwcIChELCgkJChUPEAwRGBUaGRgVGBcbHichGx0lHRcYIi4iJSgpKywrGiAvMy8qMicqKyr/2wBDAQcICAoJChQLCxQqHBgcKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKir/wAARCAEQBCsDASIAAhEBAxEB/8QAHwAAAQUBAQEBAQEAAAAAAAAAAAECAwQFBgcICQoL/8QAtRAAAgEDAwIEAwUFBAQAAAF9AQIDAAQRBRIhMUEGE1FhByJxFDKBkaEII0KxwRVS0fAkM2JyggkKFhcYGRolJicoKSo0NTY3ODk6Q0RFRkdISUpTVFVWV1hZWmNkZWZnaGlqc3R1dnd4eXqDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uHi4+Tl5ufo6erx8vP09fb3+Pn6/8QAHwEAAwEBAQEBAQEBAQAAAAAAAAECAwQFBgcICQoL/8QAtREAAgECBAQDBAcFBAQAAQJ3AAECAxEEBSExBhJBUQdhcRMiMoEIFEKRobHBCSMzUvAVYnLRChYkNOEl8RcYGRomJygpKjU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6goOEhYaHiImKkpOUlZaXmJmaoqOkpaanqKmqsrO0tba3uLm6wsPExcbHyMnK0tPU1dbX2Nna4uPk5ebn6Onq8vP09fb3+Pn6/9oADAMBAAIRAxEAPwD6RooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAqK5m+z2k023d5aM+3OM4GalqtqX/IJu/wDrg/8A6CamTtFsqKvJIxPA3i7/AITTQX1L7F9i2TtD5fm+ZnABznaPX0rpK82+Bn/IhT/9fz/+gpXpNa1ElKyMoNuN2FFcv4y8bQ+FVtrW3tJNR1W9bbbWcRwW5xknBwP5/mRz1x4q+I2j2zajrPhewlsI1LzR2s372NfUne2cewP4VKV1cp6aHpJIAJPAHWsvQfEem+Jbe4n0eYzwW85gaTaQGYAE4zyR83WsybxDea94IXVvBUdvczzAbY7vIC84cNgjkc964D4Kz+I1tWis7WybRGvXN1M5PnK/lrwvzYx93sepqoxu5J9BOSsmup3Pgrx1/wAJhf6tbf2d9j/s2RU3ef5nmZLDONox933611tcl4Q8Jt4V1DxDe3MsJTULszx+WT8kQLEBsgYPzHpmsO38c+L/ABRJNceCNBs202KQxrc38hBlI9AGXH6/Wp3tbsr/ANeo9r37npNFcV4S8dXmqa9ceHfEml/2ZrFvH5m1H3Ryrxkj06g9Tx3rtaGrAncKK5bxn4ybwybKzsLFtR1XUXKW1sG2g9OSfTJH+IrnL3xj8QPDlr/aXiPw3p8mnJjzvscpDxAnGT8zfyx7ihK+oN20PR7q6hsrSW6upBFBChkkduiqBkmqmh61Z+IdJj1LTGZ7WVnEbMu0ttYrnB5xkd65bxtq+o6p8Nn1DwvFbz2d5aO9ybjIZIShyVwR8w/Gsr4OT+Ij4ds4rm2sl0FY5TDOpPnF/MPB+bGM7u3YU1He/T/gictFbqenUV5y3xA8Q+ItTurbwDokF3bWcnlyX17JiNj7AEenqTjsKSz+IHiLSPEtlpHjrRLe0GoSeXb3Vo+UznA43NnkjPIIz0oUWxtpHo9FcV8Q/G9z4LfSJIYIZre6nK3IdCzhBtzswwGcE9c1XtNa+I967zf8I7pltbTQu9ussxLxtjKB8NznjsPwpJXVwbs7HUaZ4k03WNW1DT9OmM02nFVuCFIVWJYbQT1I2nPatWvDvh3ceLV8a699gs9PdpL5P7U8xj+6+d8+X83+/wBc9BXuNOUbJAndtGX4h8R6b4Y0s3+sTGKHdsQKpZnbGQoA78fStNTuUEdxmvIPjnLrX2O2jeC2/sYToY5QT5pm2twecbce1dzpet6vpfhe71Px3FZWX2Y7l+xkkGPAx1Y/MTxj6UWXJzf10B/Ekjp6K80tfGnjvxJCb/wr4Zs49NJPlPfy/PNjuPmX+o9zWz4Q8enXNUuND1vT20rW7UZe3ZsrIB1Kn8c4545BNHKxcyOyoorj/Hfi6/8ADF7oUNhFbyLqN35EpnViVXKj5cEc8nrmpWrSK2VzsKKK434f+ML3xTp+qXOqx20P2K6aJTArKNoGcnJPNHcDsqK82t/HPi/xRJNceCNBs202KQxrc38hBlI9AGXH6/WtTwl46vNU1648O+JNL/szWLePzNqPujlXjJHp1B6njvVcrFzI7WiuO8WeOpdH1aDQvD+nNq2t3C7hAG2pEvYsf1xxxySOM41z418ceGo1vvF3hu0fTMgSy6fJ80OT1ILNn9B70krg3Y9KqK5m+z2k023d5aM+3OM4GaZYX1vqenwXtjKJbe4QSRuO4NTSIJI2RxlWBBHsamSaTXUcWnZ9DziD4u+f4FuvEf8AYm37PeLa/Z/ted2QDu3bOOvTFd5o2o/2voVjqPleT9rt0m8vdu2blBxnAz164rgYvhhdw/C2+8NLPam9nu/tEcu5tgwy4ydufurjp3rV8a+Irn4f+EdKbTo7eQJLFaP5yswCBDkjBHPy1o+XW3dfl/mR73Xz/P8AyO2orze48Y+O7+yfV/D3hm1GlBTJF9rfM00Y/iChhjI5xg+2aTTvibqninT4ovB+g/aNSC7rv7TJtgtucD5uN2eoAwf1pcrK5kek0VwPhrx1rEni4+GPGOlw2OoyRmSCS2YlJABnGCT2BOc9sYFafjHxwnhue103T7J9T1m9/wCPezjOOOm5j2HX8j060mmreYJrXyOrpruscbO5CqoJYnsK83ufF3xC0G2Oo+IfDNjLp0Y3TCyl/eRL6n52zj2GPcVv6vrl9rPgMap4LS2ujcISRdZAWPBD9CPmB460pJqNxxabsbGg+IdP8S2Ml5pErTWyTNCJCpUMQBkjPOOareJ/F+keEbFbjV5yrPnyoIxuklPsP6nArzz4KzeIxpcUUNtZnQTcSmWZifOD7RwPmxjOO3rUvg+FPGvxW1zXdTUTw6U4hs435VPmIU49gpP1bNaShaVvK5EZe7fzNUfErxBMhntPh/qstp1WRnKuy+oTYc/gTW/4V8e6P4rkktrUy2t/DnzbK6XbIuOCR2Iz+I7gV01eV/GDTf7Ik03xjpIEGoWlyqSuox5i4O3d69NvuGxUpxvZjtK10dd468Y/8IVo0F/9h+2+dcCHy/O8vGVJznafSulU7lB9RmvK/jNeJf8Aw60m9j+5cXUUq/RomP8AWrqeLvHmrWo1Hw14Ytf7LIzELyTE06/3gAwxkex9s0+XR36P/IObVW6o9IormfBXjS28YafM4t3s761fy7q0kOTGfXtxwew5BrAfx14m8Q6peW/gPRbW4tLKUxSXt9JhXYf3QGX+Z4xnGamzvYd1a56LRXCeHfHepyeKF8NeMNJTTdTkjMkMkL7o5hgnjk44B7noRxXUeI9Yj0Dw5fapNjFtCzqD/E3RR+JwKUvdVxx1djkrv4r2lp48/wCEfbTy1styttJf+d8qSEdNu3seOvYmvQK8Ss/Bk+o/BO+1GcM+p3U51RWI+Yhc/wA13H/gQr0zwL4gHibwbY6gzAz7PLn9pF4P59fxq3Gyt1W/9etyOa7v0e39ehleNviDN4S1ix0610STVZr1CyLHMVbOcbQoRiTWR/wtDxP/ANE21b85f/jNRePf+Sw+Df8AfH/oyvUulKNuRSfdjd+dpeRxnhT4l6f4l1RtJubO40rVFB/0W5H3sdQDwcgc4IFWPGHjf/hFNV0ez/s/7X/acxj3+ds8r5lGcbTn73t0rivFtxa6t8cPDkehSJNd27J9rkhO4AKxJBI7hc5+uKs/F/8A5Grwd/19n/0OOnFJuL7sTbXMuyOq8d+Of+EKTT2/s77b9tkaP/X+Xsxjn7pz1pI/HfmfEx/CP9nY2x7/ALX5/X92Hxs2++OtP8c+EZPFi6QIXhT7FfJNL5pI3RfxAYB56eg96IvCEkfxSm8Ub4fIksRCEyd/m5Az0xjaMdc0o26+f5afiOV+nl+ev4HV0UVyEPiy/j+Kc3hjUIrdbSS18+zlRWDucDIYkkHo/QDpSSu7FPRXOvorgvid49vPBcOnppUNtNc3TOWFwrMFRQOflYdz+hrpE8QwnwUviF8CL7D9qI7fc3Y/Pil9ly6B9pRGeMfEn/CJ+GLjV/sv2vyWRfK8zZncwXrg+vpVmLXbYeF4dcvyLS2a2S4kyS3lhlBxwOevpXFf8J9r0XwifxXc2tit40oEMQjcR+WZAmSN+c9T19KPiBqWvX3wvgu7G2s2tryxEuos+QYwwQjyxu9SeuabTjF+T/QSalJf11O507WLbVtDj1Wx3NbzRmSPeNpYDP5dKyvA3i7/AITTQX1L7F9i2TtD5fm+ZnABznaPX0rnfhlP4jfwfFHqdrZx6QtifscsRPmuc/xfMR0z2Fcj8MPEeuweGZtH8J6Kt/eC4aaW4uH2QQqQoGeQSTtPGR+NXyrmkv63I5m4xf8AWx7pRXnujePtbtvFtv4d8b6RDY3N5/x7XFqxMbnsMEnrjGc9cZFehVDVlctPWxzvjjxZ/wAIb4eGqfYvtuZli8rzfL6g85wfT0rJuPiR5HiPw9pX9lbv7at4Z/N+0Y8nzCRjG35sY65Fanj7wzN4t8Iz6XaPFHcM6PE8xIUENzkgE9M9qpX3ghrjxn4b1eF4Vt9JgMMqMTubC4Tbxjgk9SKcLX97v+Fv8xTvb3e343/yKXjz4n/8IRrUGn/2R9u863E3mfafLxlmGMbD/drtNL1CLVtJtdQtv9VdQrKvsGGcV5X8QdOh1f4zaFp9yMxXNiYm9s+aM1u/B/UJW8NXeh3pxdaNdPAyk9FJJH67h+FOKThfr/wf+GCTtO3T/gf8Odb4k1yHw34cvNWuE8xbaPcI923e3QLntkkCsTwB48/4Tm2vZv7O+w/ZXRcef5m7cCf7ox0rM+JJOt614f8ACURJF9c/aLoDtCnr9fm/75rK+DqyInixbIRrKt3iIOMqD8+MgY4pRtytv+rNf5/gEm+ZJf1dP/I9Xorj/h54wu/FmnXo1aCG31GxuDDNFCCAB2OCSeoYde1HjPxbf6NrWiaNocNvNfanPtYTqzCOMYBbCkepP/ATRyu6Xcd9G+x2FI7rGjO7BVUZZicAD1pa85+NOsXFj4Sg06zYrJqc4ibHUoBkj8TtH0zU67IenUsXfxUhuL6W08JaHfeIZIWxJLbqViH/AALB/PAHoTTLf4qrZ30Vr4v8P33h/wA5tsc0uZIj9W2j9Afeut8N6Fa+G/D9rptlGqLEg3sBgyPj5mPuTTfE3h+18UeH7nS73AWZfkk27jE/Zh7g/wCFU7J2WpKvJXehcvr9bTR7jUIwJ0hgaZQrcOAu7g+/rXmll8YNb1K2Fxp3gG/u4CSBLBM7rkdRkRYrr10T/hHfhrdaULuW7W2sZlWWUAEjaxxx2HQe1YvwV/5JzF/18y/zFCSvLyBt2j5lFvi/e6eyyeIvBWqaZaM20ztuPP0ZFB/Ou7Gu2lx4ZfXNOcXVsLdp48HbvCgnHTg8Y6cVR8dahplj4M1MaxJGsUts6JG7DMjFTgKO5zj6da5D4dQXMHwRvzchgssd08IP9zYR/MGk7OEmuhSVpRT6nXeCPFn/AAmXh46p9i+xfvmi8rzfM6Ac5wPX0rojwK8q+D3iHRdM8Cm31LV7Czm+1yN5dxcpG2CF5wTnFd2fGXhjaf8Aio9J/wDA6L/4qqqKz0IhK61M7wJ43/4Ta1vZv7P+xfZZhFt87zN2RnP3Riurryj4EEHSdaI5Bu1/9Br1eiaSdl5fkUne/q/zOV0TxsdV8b6r4buNP+yTaeCySefv85cgZxtGOGU9T1rc1rVItF0O91OcbktYWlK5xuwMgZ9+lee6+n9g/HjRNSGFh1aE28h/vPjb/wDG60fjBeSf8IrbaPan/SNXvI7dR6jOT+u0fjU2bjG270+d7BdKTvstfla5c8A/ENPHDXsbacdPmtQjbDN5m9Wzz90Y6frW34r8Qx+FvDN3q8sPni3C7Yt+3eSwAGcHHX0rhEs4/Bvxp0uO3Hl2Wq6etr7b0UKPx+RP++qsfGSWS9s9E8PWx/fanfKMD+6OP5uD+FVJJtcvXT8bf8EUW1fm6a/hc7rw9qkmt+HrLU5rX7I13EJfJ8zftB5HOBnjB6d60a5nxT4qsfA2iWqCB7m4kAgsrOI/NKQAAPYDjnB6iudfxL8TLa3OoXPhXT3tFBdraOU+eF6/3zz9FJ9qTs22tgV0knuekUVi+F/FNh4r0FNUsSUTJWaNz80TDqD/ADz6VyMfj/xL4nu7keAtCt57K2kMbXt/JhXPsoKn9TwRnGaXK72HdWuekVla/wCJNN8NWcdxqsxjWWQRxIqlmkc9gP8AHArkNL8f6/YeKrTQfHGiw2Ut8dttc2r5Rj0Axlup465GRkc1z/xpl137Zp6Pb2o0xbpDaSAnzHl28huenXsKajquzE5aPukeleLvEP8Awivhi61j7L9q+zlP3PmbN25gvXBx19Ku6NqP9r6FY6j5Xk/a7dJvL3btm5QcZwM9euK4DxvNr8/wd1VvFVvaW975sYVLQkps8xMHknnOaq+HPFHjLUPCmnR+D/D1u9paWscDXWoSYEzooDbFDLxkEZyR9OlNR91+v6A3qvmerUVxngfxzP4jvb3SNZ0/+ztYsP8AXRA5VhnBI9OccZPUEE0ninx3cafrieHvDGmnVtadd7x7tscAxkFj+XcdRzUtO9hpqx2lFebXHjjxl4YMd1408PWv9mM4R7nTpCTDnuQWbP6D3ro/F/imTRvAc/iDRfIuSFjeEygsjq7KM8EHofWhqyuCd3Y6aivOdK8YeN/EUdpf6J4esv7LkKK8lzLteQ9HdRu4UHOOCcDvXo1Nxa3EpJ7BRRRUlBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFVtS/wCQTd/9cH/9BNWagvo2m0+4ijGXeJlUZ6kg1M/hZUfiR578DP8AkQp/+v5//QUr0mvF/Clh8UPB+kNp2meG7GWFpTKWuJ42bJAHaYccV0FtrXxYa7hW68MaUkJdRIyyrlVzyR+/9K3n70tDCPux1MHxOmt3fx6SPQri1gvo7QfZnvASgXYS2MA88t2ro2034rOhVtX8PlWGCCj8j/v3Vzx14Hu9cv7LXfDt2tlrdhgRu/CyKDnBODjqexByQazLi7+KuqWbad/Y+m6c0qlHvxcA7Qe6gOxB/A1C1jYt/Fc1fh14S1Pwd4dvrHVp7aYyzNNH9mZmVQVAP3lHpWR8C/8AkTL/AP7CL/8AoCV1fg3wpF4T8MppiztPKxLzzH+JyMHA7AYAFcl4D0Pxf4L1STR30u3utFmumla/SdQygrjO0tnsvGPXrV3vKWu6Qtor1PTJI1liaOQZR1KsPUGvKIvBvjzwRJMvgrULe/0xpTItlcbQ3PruwPTkMM+leq3Nul1ay28ufLlQo2Dg4Iwa8y0vSfiD4GWXTtEtLPX9MMjPC0swjkjyeh3MPrjn61nHdlS2J/DPjeS58aRaV4v8NRaXrssZWK7WP/WAAnaCckDg4IYgmvSq880Xwp4i1nxpb+KPGv2W2ezj2WtjbHdtPPLHJHfPU5PpivQ6qVrLuJbvscd488E3Hig2N9pF/wDYNV05i1vK2dpzg4JHI5A5we/Fcrea/wDEbw5ZTL4q0Gz17TFBE8qKp3p3yF6L9Urp/HXhPVdWv9O1vw1eJBqmmklI5ifLlX0+vUe4Pasi8n+KGuafLpcuh6Zpq3EZiluzcBgFIwcAOxHHsaUb8tkN2vqa8+s6fr3wf1C/0eAW1q+nzqIAoXyiFYFcDjrTPhRJHF8KdOkmYLGgmZ2boAJXzmr+meC49K+Hcvhm3uNzTW0sbzlcZdwctj0yenoKwPAmkeK9M0t/CviDSYI9IEU0a30NwpY7yT03Z53HnA7U5W95R/rcSvaNyppvjLW9X+0r8NfCFmmnpMQ11OViSRsDLbQV5xjuTjGawPG6eLP7e8My+Lp9O2yXy+RbWQP7s7k3EkjPp3NbWg6T8QvAkU2k6RpljrOnGVpIpWmWMrn1ywPbkYPPQ1X8S+C/G+tXmm67qBtr2+trlCunWjBI4IwdxIZyMkkDPX6ntUbcya20Jd+Vp76mh8YUWXUPCccg3K2obWB7glK9PrhPiL4d1XX77w5LpVp562d6Jbj94i7FyvPJGeh6Zru6zXw283+hf2r+X6s8w+Fv/I8eOP8Ar+H/AKMlr0+vMNP0Hxf4S8eardaRplvqemavcrLLKZ1Rol3kngsOQGbsc8V6fTeqT8l+Qfal6nmXx1/5E2x/6/0/9Aep/jU8yfDhBFnY91EJf93BP8wK1fid4VvfFnhRbXSyn2q3nWdEdsCTAIK57HnvS2mnax4w8H32leONKj02STCRmCVXzgAhxhjghh0pbwt2d/yH9peljotEjhh0DT47UKIVtoxGF6bdoxXnnisLF8ePC72vE7w4lx3X5xz+GadpsHxM8J2a6RZafp+uWkI221w0wRkXsCCynA9OfrWn4T8FaqniibxV4xuoZ9VkXZBBBzHbqRjg+uMjA9zkk1ppz899NzPVU+Trsd5XmPxe/wCQr4R/7CI/9CSvTq5H4ieDp/F2jW66dOlvqFlN51u78KT3BI6djn1FZp2kn5mjV015M648A15d8FVS40PXlb5o5L9gfcFRVuJ/ifrFr/Zl9Y6dpKOvlzaiJA7lehKKrHDY9QB9Kn+G3g+98P6LrWmavbtFDc3TiE+arNJEV2hsqTg4+lO1lL0/Um97ev6MxYvBvjzwRJMvgrULe/0xpTItlcbQ3PruwPTkMM+lX/DPjeS58aRaV4v8NRaXrssZWK7WP/WAAnaCckDg4IYgmoNL0n4g+Bll07RLSz1/TDIzwtLMI5I8nodzD645+tXtF8KeItZ8aW/ijxr9ltns49lrY2x3bTzyxyR3z1OT6Yqk7vXb8SX1tv8AgcpZxeJrz4x+Jm8N3djb3yEqxvgTmLKgbcKfRa6TUNA+KGqabcWN5qvh94LmNopF2uMqRg/8s6teK/BOrjxVH4s8F3EUOpqu24t5jhLgAY/UAAg46A5BFUNSh+JniyxbSLzTdP0S1nG24uVnDll7gBWYgH0x+NStYJdtCnpJv5nWeA9AvvDHg+20rVJoZp4Gf5oWLLtLEgAkA9/SujrO8P6LB4e0G10u1Z3jt0273PzOSckn6kmtGiTvK4RVkFeZfHYZ8GWQ/wCn9f8A0B69Nrhvix4d1XxL4ZtbTRLX7TPHeLIyeYqYUKwzliB1IpRtzK/dfmX3+Z2kEaxWccSABFjCgewFea/AtFHhrVGCgE35BOOwRcfzr01QREAeu3FcP8KfDmq+GtBv7fW7X7NLNeGVF8xXyu1RnKk+hqovWV+36kW92P8AXRmV4l/5OB8M/wDXmf8A2rWLq0ev3nx7v08P3Nnb30VsvkteglAnlrkDAPPJ/Wuu1zw5qt58YND1u3td+nWlsUmm8xBsb95xtJyfvDoO9L428D3+p61aeJPC12lprVmNv7zhJlGeCfXBI54IOOKItJRv5/iOSu5W7L8CpNpPxUuIJIZdW8PtHIpRlKPyCMH/AJZ1e8E+FtS8IeBNQ03Vp7eZy0ssZt2ZlVSg4+YDnIP51lXs3xT1yxfTH0jTdJWdSkt6LgHAPXaA7Ecex/Cut8NeFYPDnhJdFimaUlG82Zuruw5IHYeg9qUr8kvMI25o+RzXwQ/5J6f+vyT+S1l/CrGjeOPFWhXXyXPnCSMH+NVZuR+DKfxq98PdI8YeELoaFeaVbTaOZ3kN/HOu4ZXghd2cEgdu9a3jHwE+t6lBrugX39ma7bABJ/4JQOgb+WcHjgg9rlJc9+jX+X+REYvl5eqd/wAztK81+N98ieEbXTU+e5vbtfLjH3iFByQPqVH41MNW+KkCG3bw7pVzIOBdLcBUPuVLg/y+lSaD4A1G58SJ4l8c38d/qMWDb20I/cwY6dhnHYY685JqOVXV9i+Z203Mf4sWX2H4Z6BZTnmC4gic/SJga9VhRI4I0iAVFUBQOgGOK4n4reG9T8T+G7Sz0e2+0SpeLI6+YqbU2sCcsQO4qgP+FnaJarpNjZadqsUaiODUpJArBOgLqWGWA9Afxp35k+9/0RNuVryRX8LgRfHzxPHa8QNbBpAOm/8Adn88lv1qO48D+MfCeqXt34C1KCWyupTM1hPgHJPQbhj8cqenpXS+BPBUnhm3vLrVbkXurak++7mH3e52j8STnj9K5600Dxx4Fv7yPwvDa63pV1MZlhuJtkkRPuzDnoM5OcdBRtZdlYe933YaT46vI/F9jp3j7wxBYalMfKtb9IwQCTgAE54JOMqx5PSm/GS9u9ROleEtITzrzUJfNeMMBlV+6DnjBOT/AMBqzbeFvFHizxVp2s+NYrTT7bTG329jbtvZmyCCxBI6gd+2MDOasaJ4Z1i6+LWpeJtetPs9tDGYdPBlR8j7oOFJx8uTz/ep2Tav5v8AyFdq9ijBf/Fa2s47WHwxoiwRRiNU8wYCgYA/13pWZ8Kbq+8M+MdS8Ka5brZy3Q+0wwqwKq+MkKcnIK+5+7XsVed/ELwrrN34n0XxH4WtRc31k+2ZPNSPcgORyxA7sD9aUZe9r1Bx93TpsYnxV0uHWviR4Y026aRIbpfKdoyAwBftkEZ/CtP/AIUP4Y/5/tW/7/Rf/G6u+K/Dmr6t8RvDGrWdkWs7Ig3LmVAYvmz0JyfwzXf0ou0F6v8AMb1m/RHO+GfAug+Etz6RaEXDrte4lYvIw9M9B+AFcV8X/wDkavB3/X2f/Q469Xrz74j+GNX1/X/DdzpNp9oisbgvcN5qLsG5DnDEZ4U9M0RbdSLfcGrQkl2PQaKKKkoK84+KCHR9a8N+Kohj7DdiC4IHWNuf5Bh/wKvR6wvGuht4j8G6jpkahppYswgkD94vzLyenIAovytS7Ba6ce5xOqaevjX4n63bjDwaZo7W0Z6gSyqcH/x4/lXMjxDLc/Ayz0SAk3txf/2cEzzgNv8A6qv413/ws8Map4f0m/m8QxGPUr243PukVyUVQF5UkdS1c1o/w21e2+KzX11bbdCgvJbuB/NQgseVwoORzt7fw1olFPke1l+Dv+rRm27c/X/gW/RM2viXp0ekfBh9Pg/1dqtvEPfDqM1Y17/kg7f9gmH/ANBWtP4k6Nf6/wCBbvT9Ig+0XUjxlI96rkBwTyxA6CpLnw9c6j8MV0GQrb3b6ckB3HISQKOCRnjI6iok26c+7f6FpWnHsl+pD4D/AOSV6X/15H+tYHwKiRfA1zIowz3z7j64RMVe8BW/i3TtKOha/o8FvZ2tsyW91HOjGRs8AgMexPOB0qf4U+HtU8NeEZbLW7b7NcNdPIE8xX+UqoBypI7GtG1zTff/ADM0nywXb/IyviQo/wCFheB2x832wjP/AAOOvS64jxt4e1TV/GHhW+0618630+6Mly/mKvlruQ5wSCeh6Zrt6hfw0vNmj+O/kgoooqRnlniv/kv3hj/r2H85anH/ABS3x2/uWfiK3/DzR/XK/wDj9XvEHhrVr74vaDrdrab9OtINk03mINhzJ/CTk/eHQd6n+J3hnUte0qxuvD0e7VtOuRLBh1Q4PXBYgdQp/Cqi7KPz/EUleT9F+BU8ID/hIviZ4h8Rt81vZkadaHt8v3yPxGf+BVn/AAY/4+fFH/X8P5vXX+AvD8nhrwbZWFyu27IMtzyD+8Y5IyODjgZ9qxfhl4a1bw9NrzaxafZxd3Ykg/eI+9ctz8pOOo609E2uyt+K/wCCyNXZ+f6P/gGYi/8ACI/HQgfJY+I4cj0Ev+O4f+P1N4XH/CU/FrWvEDjda6Uv2G0JHG7kMR/49/32Kn+MtmB4Tt9YhlEF5pd0ksD9zkgYH44P/Aa2/hzoR0DwPZQTLi5uF+03BPUu/PP0GB+FEfhv20+//gXKl8Vu+v3f8Gx1FeX/ABytZf7B0rUo1LLZ3nzj0DDgn8VA/GvUKp6tpVprek3GnajH5ltcJsde/sR6EHkVF2mmuhWj0ZLZXcV/YQXlsweK4jWRGHcEZFJqF9Bpmm3F9dtsgt42lkPoAMmvOLDQ/iD4HQ2Xh82ev6UG/cw3D+XJEOuMkqB+ZHsKbqGh/EDx2q2PiEWegaVvBmigcSSSgc44JB/MDvg4qmk/hJi7fEdV/wAJFY+KPh/qWpaX5vkNazp+9QqQQhyP/wBVeY/D34W6J4s8Jpqmo3V/FO0zoVgkQLgHjqhP6165JoUOn+C59F0aDai2ckMMeR8xKkck9yTyfesj4X6FqPh3wVHYaxb/AGa5E8jmPer8E8cqSKasnK3l+Yndxjfz/IzLD4JeE7O4Es3269A/5Z3E42/+OKp/Wuu1yCK28H6jBbxrFFHYyqiIuFUBDgAdhWrVLWreW70G/trdd8s1tJGi5AyxUgDJ96zm24tGkElJM8m+FngLw14k8Gm+1rTftNz9pePf58ifKAMDCsB3rsj8JPBGD/xJP/Juf/4ul+Fmgal4b8Gmx1q2+zXP2l5NnmK/ykDBypI7V2Z6GtKr1fL/AFoZU1pqeUfAcBdI1pRwBdqB/wB816vXn3wm8Mav4Z0/VI9btPsr3FwHjHmo+5cdflJxXoNE3d/d+RSVr+r/ADPPPjJZuPDNlrNuP3+k3scwbuFJx/6FtqneXCeLPjRokUR32ml2IvW/3nAYfzjru/E2lf254X1HTcAtc27omezY+U/niuM+FHhDWPD7ajfeJIPJvJ1igiBkRyI0XHVSR6D/AIDRB2vfpr96t/wQmrrTrp+N/wDMX4yWskOh6Zr1qP3+k3qSA+ikj/2YLVcTJ4p+OFjLEd9rpGnLP7b3GR/6MU/8BruPFOkf274V1LTAAz3Fuyxg/wB/GV/UCuT+FHhPVvD1tqN14jg8m+uWjjUGRXPlouBypI74/CiDte/TVfNW/wCCE1e1uun43/4BgfEZdUufjD4ft9Kmt4bkW4a1a6BMavufJPB9B264rf8A7P8Aiv8A9Bjw/wD98P8A/G60vH3gh/FcFpd6ZdCy1fT33205yAeQcEjkcgEHnH41jHUPivJa/Yf7F0yOUjZ/aHnLgdt23f179PwpRfu29Ql8V/QteA/CupeC4NduvE11Yvb3RFwwt2YomNxckFRgYI6elZmleMPEWsQyf8K68H2dvpizECe4ZY1c922KV56ZxuroPC/gBNG8H3+lahdtc3eqI/2y4UkjLKR8ufTJ5PU/lXN6Bp/xG8E2jaNpuk6fq9ijs0E5nVNuTnoWBx3xjueaenM79kLW2ncxfFMfikePPCMni6409mkvk8iCyBxEPMj3ZJGTnjueldF8bP8AkG6F/wBhEfyqhrfgrxpqHiDR/EWotb6heW93Gz2VqypHbRKwb5S5GSTnP8zXUfE7wrqPijQbUaN5bXdlcCdIpGCiTgjGTxnp1pppKN+j/VCab5kuq/zF+Ln/ACTHU/rF/wCjFrX8ERrF4D0NYwFH2GE4HqUBP6mub1208WeK/hjqNlqeixWurSSoIreK4QrIgZG3Z3ED+LgntXW+GbOfT/CelWd4nl3FvZxRSpkHawQAjI4PPpSWkZLzX5FbtP1OH0ZQv7ROvbRjOnKT+UNc1oMPiq9+JviuTw1eafb3a3DLKb5SSU3kALhT6D9K7nTfDuqW/wAZtW12W126bcWSxRT+Yp3MBHxtzuH3T1HaqniXwVrdn4uPizwPPCt9IuLqznOEn6fhzgZBI5Gc5oTS5fSwSV727p/gVdU8OfE7WdKuNOv9V0B7e4QpIoVwcfXy6i8T6Le+HvgDLpWpyxTXFsEVnhYlcGcEAEgHoQOlO1Sz+JPjKz/snUbGw0GxlwLiZJhIzrnkDazce3GfWtvxZ4Snb4Vy+HPD8LXMsaRJEryKGfDqSSWIGeCaUvh+aHH4kbPglFj8B6GqDA+wQnA9SgJrcrL8M2c+n+E9Ks7xPLuLeziilTIO1ggBGRwefStSnU1m7dxQ0igoooqCgooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAoorkr3x19j+JFn4T/s7f9pjD/avPxt+VjjZt5+7696aV3ZA9Fc62iuS8FeOv+Ewv9Wtv7O+x/2bIqbvP8zzMlhnG0Y+779ab4U8ef8ACT+JtX0j+zfsv9muy+b5+/zMOV6bRjpnqaLP9RNpfkdfRRRSGFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQB5zJ4E8Ta94gifxjrsF5o1rcGeC0hTBfB+UPhVHTv83f1zXo1FFO+lhW1uFFFFIYUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABUVzcxWdrLc3LiOGFDJI56KoGSalqlrF7Zadot3d6ptNnDEzTBl3Blx0x3z0xSew1ucFa+OfGPinzLrwX4etRpqOUW51GTmQj0AZcfqPerfhzx9q7+LI/DPjLR49O1GZC8MkD5jk4J6ZPYHkE8jFZ2k+K/F+sWKP4H8IWFjpG5hDJdOFU8nJCKV756AjOeTWNNF4hj+NXhs+K7mymunUtGlmpCxph+OQCec+tbJLmUbf5mTfuuX/DHV+NviHc+EfF2nWP2WO4sri3aSQKjGZm+YKq4OOSAOQetUrvxh8Q9LtW1fUfCtmNLQb5IY5iZ409Sdx/H5eO4FN8WxQzfHLwotwAUEDMAf7w3lf1Ar0uVUeF1lAKMpDA9CO9Z3tBS66/mW9Z26aGHaeKbbV/BUuv6QQ6i2klVJR911UkqwHoRXEaF8SPFvirTIk8O6FaXF9Hk3dxKWS3i5O1QC2SSMH734VU+GBP8AwrPxUkbE26yTiLPTHlf/AKq6X4NRQx/DW0aEDfJNK0pHdt5HP4AVdleXy/Em7svVr7hPDnj7UJPEo8N+MtLXS9VkXdA8TZim74HJx0OOTnBHB4rRvPCElz8T7HxOHiENtaNCyEneX+YAgYxjDHvXNfFgKninwbLCcXf27ClepXfH/X+deoVN9FJef9fiO2rj00/r8DlPBfhCTwvea5NK8LjUb1pohGT8sfJUHIGD8x6ZrkvhbbGL4keMyesdwyfnK5/pXrFcT4L0i50/xr4wuZ7aWKK6u42hkdCFkGGJKkjB5btRF6/L/JBJLl+f+bO2oooqSgooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAorO1LXtN0ni+u0jftGPmc/gOazR4qubnB03Qb+4Q/deRRErfQnNZupFOzZlKrCLs3qdHRXPtrmuxjdL4Yk2/7F4jH8gKRPGVnE6pqtpeaazdDcQnafxFL2sOun4C9tDq7eqa/M6Giora6gvIRNazJNG3R0YEVLWpte+wUUUUAFFFFABRRRQAVmeJNFTxD4bvtKkkMQuoigcDO09Qcd+QK06KTV1Yadnc8t0KL4meF9Nj0S30XTdQt7fKQXbXAUBck8jcGIGfQGoW8FeLU+IOi+JdRki1Sbzf8ATBbsqR2qdAqBiCwAYngZ4/E+sUVpzO/N1I5Vbl6HkPxMsLrUvit4ctdOuvsd28BMM+M7HVmYH8xWnfH4paxaPpElhplgkqmOXUo5s7l6EqNxIyP9n8q29c8I3+p/EjRPEEEtutpp8ZWVHZhIxO77oAx3HUiuwpL4En5jfxtryOUtvDVt4T+Gl7pVoxk8uzmaSUjBkcoctjt9PQCvPPhxF4z0rwjHqHhiK01WyupX8yxnfy2icHbuViQMHAzz+HevY9WtXvtGvbSEqslxbvEpY8AspAz7c1i+APDl34V8IwaVqMkMk8cjsWgYlcM2RyQD+lCk7yb8hOKtFLzMHQ/CPiDWPFsHifx09vHLaLiz0+3OViPqTkj36nJxyMYr0Oiik3fQaWtwrkvCf/CY/wDCQ6z/AMJR/wAg7zD/AGf/AKn7u9sfc+b7u371dbRSWjB6oKKKKBhRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAIzBFLOQqgZJJwAK5efV73X5JYtFlFlpsJxNqT8Zx1CZ/n/Lu7Wpn1zVjolvKYrOACTUJ1OML1CZ9+//ANY1xXiTxENQI0/TV8jS7f5Y4148zH8R/p+fWuOtWSXl+Z5+IxCivL8/+B3NKXxFo2hOyaBZi8us/NfXXzEn1Hf8sVkXXjDXbtiWv5Ix2WEBMflzWJRXnSrTeidl5Hkyr1HonZeWhor4h1lGyNVvM+87H+ZrUs/HerQr5d75V/CeGSZByPqP65rmqKlVJx2ZMa1SO0md9psmnapMbjwxcnR9T6tauf3Uvtjofw/Kul0bXjfTyWGow/Y9Sh+/CTw4/vKe4rx1HZHDoxVlOQwOCDXcaXfnxZYiGSTyddsV32tyDgyAdj/X8/WuyjWd7Lf8/wDgnfh8Q27Lft0f+T/M9DorM0DV/wC19NEsieVcxMYriI9Ucda069KMlJXR68ZKSugoooplBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUhZR1IH40ALRSb1/vD86N6/3h+dAC0Um9f7w/Ojev94fnQAtFJvX+8Pzo3r/AHh+dAC0Um9f7w/Ojev94fnQAtFJvX+8Pzo3r/eH50ALRSb1/vD86N6/3h+dAC0Um9f7w/Ojev8AeH50ALRSb1/vD86N6/3h+dAC0Um9f7w/Ojev94fnQAtFJvX+8Pzo3r/eH50ALRSb1/vD86N6/wB4fnQAtFJvX+8Pzo3r/eH50ALRSb1/vD86N6/3h+dAC0Um9f7w/Ojev94fnQAtFJvX+8Pzo3r/AHh+dAC0Um9T0YfnWfqPiDR9HmSLVdUs7OR13Kk86oSOmcE9KANGisi08V+H7+6jtrLW9PuJ5DhIo7lGZj7AHmtegAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACqupXq6dpdzePyIYy+PU44H4mrVc942LPoUdqvW7uoofzOf6VFSXLFtGdSTjBtHL6tcyaR4MhhZs32sMbi5fuVPOP1A/76rjK6f4gT+Z4oaEcLbwpGoHQcbv61zFeNWfv27aHz+If7zl7aBVrTtNutVvVtbGPzJW564AHqT2FVa0dJ1u50YXP2NY91xH5Zd1JKj/AGSDwazjy397YxhyuS5tjQn8F6jHBNJb3FneNB/rIrabc6/UYH5Vz1d54P0Y6d5mqrdRXkwtyRZ2zhn+YA4bOMH2rhp2LXEjOmxi5JTGNpz0rSrBQtpa5vVpxUFNK1/mMqexvJdPvobu3OJIXDL7+1QUVinZ3OZNp3R6hb3Udr4qs762+Wz1yD5h2EqjIP15x9Sa6yvN7S4Z/h9Z3I+9puoKQ3cDdn/2cV6RXtUJXT+/7/8Agn0WGlzJ/J/f/wAG4UUUV0HUFFFFABWdrtxqNnpbXWkQR3MsLB3t2UlpYx95UwRh8dM5GRjHORo0UAcx/wAJjBcSfbNPZZ9KijUSSJGWknnkx5cMYyBu5G7PTcBxyRbXxVaqTHdWl3a3S3EMD20qoXTzThGyrFSp55BPQjqMVW/4Rq5Xw/8AZopIEvIdRkv4DyYy3ntIqtxnkNgkdOozjmC88O6tqD3Gozmzi1BpbV4bZJWaELA5cBpNgbLFm5C8ccHHNaf120/4InfU6C01OG8v760iWQSWMixyFgMEsgcY59GHpVRPEMcuotb29hezwJP9ne9iRWiSQdQRu38HgsFIB6ng4boWm39pf6pe6l9nWS/mSQR27s4jCxqmMkDP3euB9BUFjp2saVcy2tiLFrCa7e48+aR/NRXbe6CMLgnJIDbxjIyDjBXX+v67g9tCVPEyHUba1n0zUbWO7kaK3uZ40VJGUE427t65Ckjco6VHpXi+21WayVLC+totQRmtZ7hECSlRkqAGLA4z1ABwcE8ZxbPwdqceraZeXUWnPPZ3Jknv3nkluLpSjJ1Zf3YGQfLBK+hGOdLTfDd5Z2fhmKWSAtpIfzyrHDZjZfl455I64p6WB3NjUdTksZIo4NNvb+WQE7bZFAUDqSzsqjqOM5PYcHGfF4utrq1tJNNsL6+luoTP9miVFkiQHaS+91AO7jAJJIOMgE03xHol3qt9bSRw2t9aRxsslleXEkcRclSrsqqwkxg/Kwx3BBrO0bw1rHh2G1lsU0+5uEtntZommeGMr5rPGykIxGN5BXHfrxyla2v9b/8AA/rYe/8AXl/wf6315fE8SzeXa6bqN55cSS3BhhANurjIDIxDlsZO1QzD05GVn8T28FxIPsd3JaQyiGe+RU8mJ+AQcsHIBIBIUgc5PBxWTTdesL+6urD+zp5NQWNrhpnkjWGVUCFlUBi6kAfKWU8deeKA8G+Tqt040fQb1Lm6Nz9tvId00RY5Zduw7+c4O9cZHpy1a4ne2ht23iKO71BreCwvXgWd7c3qopi8xc7gQG3gAgjcVC5HXkZNJ8Qx6u8Zg0+9itpkMlvdSIvlzKD1BViVznIDhSfTg1lyeG72XxQmopb2FkVuN731nNJHNcRdfLkiC7X6AFmY9MgDOAuk+G7208RLqD21hpy4f7R/Zs0gW9JztZ4SoVSMk5yzZ4zikrW1/r+v67je7sSa/wCJb7StQu7e2sC8cOlTXizvtK706A/OG29jgZyR2yamsvF1vJG/9p2l1pzR2gvN1wi4lj6FlCsx64+UgN8w4pviLQ7/AFO5nax+z7LnTLiyczSMpQuAVYAKcjIwemBzz0qDVvCcurkRyzRJCdKeyY4LESFkYHGMFfk55FCtbX+vi/4AO99P6+H/AIJq6frYvbw2lxYXen3Bi86OO6CZlTOCVKMw4JGQcEZHHNUPEPiS40nUIY7WKKW3gQT6iz5zFCXCAjB4PLNk9oz9Qvh7Qm067aeTQ9C0xvK8stpseXkJIJJbYm1ePu4bPHPHMf8Awh8Oo3GqXOuS3DyX0hXZbX08aCALtRCqsoPGScg8seop6Jh0LV7eatP4jOnaVc2VtGlos7PcWrzFiXZcDbImB8vvVO08S3sl1p9rMtq7S6lNYzzRBtjiOJ33IMnacqAQS2CGGe9R6f4OE09s/ie20/U/s1itqjTRiYkq7Yf5l4JUrn3z9a07vQwbzQzp0dvbWum3DyGFF2AKYnQBQBjq49O9Csvx/P8AyE7v+vL/ADL1zqUNrqVlZSK5kvS4jKgbRsXcc8+lZf8Awl1vI6xWVhe3lwzzr5EIjDbYX2O2XdRjcRgZyc9OtTa3p19cX+m6hpa28k9jI5MNxI0ayK6FT8yqxBHB6HvWI/hS/bSUtruw0jU2+03E582WSFomkl3q0cqqzKR0IAB6fNxyijTvfFtvp9xK08dwYUtIJ/KFqRIPNlMY6sDnOMrtBHqegkHiu2S3vWu7G9tbizaNWtJFRpZDJxHt2MyncePvcEHOKyJ/B2pyxhXvo7mT7JZwNNM7bnaK4MrE8E4wcAkkk9fWpvEOmva3GpaxNd29uhazeB5QxVXicn95gfKh3AbucAknpT0/H8Li16f1p/mbOla9Hql9eWRsruzubMIZorlU435K4KswPAzwcc+uQMW58X6hAt+x0t1Frq0NkgIVjKj7M4Cufm+bIJwMMvviTwnPPqWu6zqkj2skM6wRRvZSmWH5A2QshA343DJAABOOxp9z4e1Ca8ugpthBJqtvfo5kbdhAgdSu3APycHJzntTsubXy/NfpcTu4u39aP9bFyPxVbNbzGSzvIruG4FsbF1QzNIyhlUYYocqc53YAByRg1e0zVU1JZlNvPaXFu+ya3uAu9CRkH5SVIIOQQSO3UEDntW8Hy6jeX908dlc77+G7gt7oFo5AsIjZJPlOM/NggNg4OO1bHh/S/wCzLeYHTNL03zX3CDTUwoAGPmbau49f4Rjpz1qdLf15f8Eb3/r+uxk2Xi2+a8vTfadMsYuzaWVnFFGZpnAy3z+cV4AJOQoAxyTVo+KTPfafDawmIzXE1vdQ3C4kgdIi+3g47KcgkEHg85qN/D1/DcC/s3tnu4NQmuYopXZUkjkXaVZgpKnHOQD0x34bB4a1A6pb6jdS24na9luriONmKoGg8pVQkZbAC5JAzzwOlH2fl+On/BDr8/w/q39bLp/jI3Gj2Uz6fc3l1JZJd3a2KKVt1YcE72BOcNhV3Nx06Zsy+MtLi0+4vT5zQQSQpuVQfMWUKyuvP3cNkk4+63HFZul+G9b0GzjTTWsJpZrGG2uPPldVikjUqHTCneMH7p29OvPDv+EIK3djCtwj6dDYC2nVwd8rpG8aNjpjbK+fotVLlu/6/ry9QV7f1/Xr6ffrXniCKHVILSPfzdi2kbygwZjC0mAdwxgAc4PXGOcitYeM7K9FtJLZ3tlb3du9xb3FyiBJFRQzD5WJBAOeQM4OM1BB4bvxYaMLqe3ku7W7a5vJAWxIzRuvy8ZP3lHOOBVeTwpN/wAI9o1nezRiPT7GaC6aIMxIaEplABlvpwal2SYK7a/rqath4phvdTtbJ9Ov7SS8heeBrhECvGu3nhiR94cEA+oFR+KNeu9I8lNMt47mcI9zPG4JIt48b9uP4juAH48GsXQb+41vxVpUwutNu4rGxmSSTTpmlXc3lgF8geWW2nCckYPJrZfwwNQ1y/1DVpp8SBIbZLS+mh2wqMkNsZcksWPfjFNq39fd+gou61JNR1K/m1TTLTRLmzjjvLeWczT27TAhfL27Qrp139cmqTeI9RtWltrj7HcT2+o21o88MbKjLKVz8hYlWAbpuPY98VFZ+Chu0y21eCy1Cw01LmGFLhfNPlsyGLIZcZVVKn8PXjU1Dw9E2m2dno9va2UNvfQ3JijQRphXDNgKMZNGl1/XX/IHfl87P8ixrWqNpf2FsxLFPdCKZ5eAibGYnORj7vU1QsvEkl1b3GsyKkOhKNtqTGWmujuwHGDwrHhVwS2QeM4q34g0RNdjsIZ44ZYILxLiWObkOqhuMY55I4PFZGo+ELmeDUdOtHtv7KvCLmOGcFhBcBw5AXGGicjJXIwS2OvCVra/1t/wSnurf1v/AMA0T4rggJTULC9sZRJEpinEZIWR9iyZR2Uru4ODkdxyKvw6qtzdXENtbTy/ZrgQSSDaFBKhieWBIGQDgZyeAea5yTRbXT9C1V9R03Q9Bhmt/KDaePm3dmLlE53bcLtPI6nOBs6BbX1loFkLlI3vJj516WcptdyWfHBzgnAHHA68U9P6/r+rk6mpFI0m/fC8W1yo3lTuA/iGCeD74PtWXqGorYLEPImuZ532RQQ7d7nGT94gAAAnJIH4kA6kTTNv89ETDkJsctlexOQMH25+prntf0mfUTazWuxnt3bfDJKYlmRhgqXUEjkA8A5wR0NQ720Oiioudpbf1/X69SKPxbp7yW7SyR21tNFKzz3EqoInjdUMZ7Zyx5Bx8vGQc1em1ZVvktbW1uLxyqu7QbNkSscBizMAc4JwuTgdOmcSLw/qVjeWl5aQafPMkdwJI5JWjSNpXRgEIRshQu3oufbOKhk8GOhWKGKznBgiiW7mJEtoyLt3xLtIzgA9V5AySAKNbL+u52ezoX0ff8/l0+/sb8GrtcanNaQ6ddtHBL5Ul1mIRq20N037u4/hqOw8RafeW5aW6tredEaSWBp13RopI3MOCBjByRjmq0+hvceIYr1LCwtfKmErXsTE3E4C42MAgwDnnLNwOnPDNH0W+tZLWO6is4YbOWWVHt5GZ5i+77wKKF4bJ5OSBS1IcaXLfyX6+b8iXR/EsGt3tytnJYvawFhvS8DSnacbjGFwFJBw245GD3q8mu6TJZSXkeqWTWsTBZJ1uEKIT0BbOAeR+dUf7Bmfw3f6dJJEJLm4nlU4LJh5WdQw4yMEAj60t/ba1qGkiLy7a1mWZSY7e+kUSxjqvmrGrIc+gPAx3p6hKNGU/d0V7b9O+vf7ka9tcwXluk9pNHPC4yskThlb6EcGor3U7DTVRtRvbe0VzhDPKqBj7ZPNZel+H3i0drTUpZdzXDzj7NezgruOdpk3B2xk9evXHpJcafe2usLf6ZFb3WbVbZku7h0KBWJBD7XJzu5z12jmmZ8lPnaT/T8SxdaylnfRwTWd15LyJEbvavlK78KvLbjkkDIUjJxnrhf7atTro0pBI8/ls7OoGxCNp2k5+9hgcY6EeoqneWus3GvxzGCym0+Aq0MbXTxsHxy7KIyGIydoyB3642wxeGLm21m1uoNYumii85nWVYclnKntGMg45yc8DBqdS1Cnb3mtvx/H9P8AO5pniKDVLmOKO2uIlmiaaCSQx4mRSASArFh94cMAecdcitK4uIrS2kuLmRY4YlLu7HhQBkmue0Tw/e2F8slz5EYEDRXE0E7s985IxK4IG1hg85Y/NgHA5v3Hh6GWxFrDe38CiZZixuDOxI6D99v4zg49QKethVI0vaWT0/r1/X5bET+KbVPD8mr/AGO9aKJpFeFYh5i+WWDk84UDaTyR6dSBWjc6pY2VrHc393BaRSYCtcSrGCSM4yT1xWAfD2rQeFNT0yG5jvJr+S4G65lEaxpKXO75IuW+YEjGM5wQMCrZsdWS4sr9Lawe6ht2t3ge5cIoJB3LJ5ec/KMjbzxzxyFyp0r6Pq+vTpvsWL7xHaWEjl45ZLeEKbi6jKeXAG+7uJYE5BB+UHgj1Fa1crqnha5vr69YCBodQQCQyTN/orGMRu6Jtw7FAACSMc46nO+NMgF8t2HufMUYC/apfL6Y/wBXu2fp79aEZVI0lFcr1t/l/wAH/Lq6lp4ihvL1YI7W4VZDIIZi0ZWUxnDAAOWH/AgPfBpYdceZrmH+yr1Lu3RJDas0O91ckAgiTZ/C3BYHj6VnadoOoWWrC6KWodfMMtytw5kvc/dEilcKBxg5bbjAGDVrS9KurGe7uo7OwsWljCraWsjGJ5ASfMY7F5OQDhc4HU8AJXsazjSV+Xyt9/r2/pbB/wAJRGu77RZTWflXKwTm5kjAjyhctuRmHC4JyR1rXtbu3vrdbiyniuIXztlicOrYODgjjrWJPoNyui2MMIt7u6gulu5zcOUWaTkschWx8xyOOMAdqtW+i+bZuuotJHLNO07LZXUsSoTxgMpUsPrjJycCmr63/rb/AIJE40mrrT+uxPqeqnSwJJLG5mtwMyTxGPbGM45DOGP/AAEGpX1XT4r9LGW+tku3+7btMokb6LnNZuu6RPqgjgisrF1SMiK+nlYz2rn+JBszkYU53qSR7VT1Pw/qt/qzSG5VrcXEEsTNeSp5axsjFPJUbGJKsdxJPI44GDqOMKUkuZ23/wCB/Whsf2sV1ZLGexuYfNLCKdjGUkKjJwFcsOPVRSWOspeXbW8lndWb+V50f2lVXzUzjcAGJGOMhgCMjiqn9k3EviJdQNlY2bRuxa4gkLTXSbSoR/kXA+6eS2Cox61UXR9Yv7TUYtYjslmvoGhNxDcyPsHO1AhRcLyc/Nk/lhaj5KbXTZfL8ddP6XTai1rS57OW7g1KzktoTiSdJ1KIfdgcDqKa+sQvZR3OmRvqqSMVX7C6ODjOTuLBRjHc1jJoOoppt15CJa303lK0g1a4n82NGyU3uu6PILAFQSN1Mg0XX7LTrqGze23Xd55sgkvpmZIvLVSqysrNuyv3iOnTBxh6j9lSvo+vVr9P8/uNOTxNaizhuLa3ublZIPtDrGEUwx/3n3suOhGOTweOKkuPENjB9g2GS4F+U8owrkBWwA7ZIwuSB689ODjKm8O3jXFtdQWlkhS3W3ayNy/kR+WxMTj93l9u4naQozg5yAQ1vBUkFrbx2GsXcbRm3DblixtixjGYyR0JAzjJPqaNb/1/X9fc/Z0Ort/Xlfb8S6/iq2l8RrpOnzafNIu3zjJehGBLEFUUK29xtJK8YyPXi9BrVrc6xPp0QkL26b3lKgR5yAVBzyRkZ4x2zkEBIdOmj1y9vDKPLuLWGFSPvhkMhJIxj+MY/Hisu18L3mn3wkstZuWjjtHhj89YmO8nILYjBIz8xOck9ScmjVEuNGV7aaLvv16fI27HVNP1NXOm31tdhCA5t5lk2/XB4rhfFN01j4n8RXkMUElxHp9ikbTxCQIXn2FsHjIDGui8PaJqGn6hJdX7r81usJX7dNdFmBJLbpAMZz90DA988Zfj/RPsul6zrj3I23MdjB5RXGzZcodxbPv6VcTlxEYxlaDui5H4J8QQyLJD4qto3U5Vl0K3BH41r+DNTvtT0Wf+1JluLm1vZ7VpljCeaI3Khio4BPtWn/bOmf8AQStP+/6/41g/D5lk0jU5I2DI+r3jKwOQw808g0dDHqdXRRRUjCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigArnvGLeVZ6dOfuwajDI30Gf8a6GsnxRYnUfDV5AgzIE3oB1yp3f0xWdRNwdjKsm6bsed+O4ynjC6Y9HWNh/wB8Af0rna67xiv9p6XpWvRjImhEUxA6OM/13D8K5GvGrL94331Pn8QrVW++v3hW34b0az1t7q2mneK7Ee62UMArtzwcj6dPesSlR2jcOjFWU5BBwQaiDSfvK6MoSUZJtXOu8KaBqtj4iS6u7eS0gttxlkl+VSMHgHv+HFc9rdzDea7eXFsP3UkzMvuM9fx61HPquoXUJiur+6mjPVJJmYfkTVWqnJOKitkayqR5OSC0vfUKKKACTgcmsznOvsVKfDC5jPW7vlVPflP/AIk16bXErYGJvDnh/HzRH7bcjH3cZPP4kj8q7avZoRa/Bf1959DhotLXokv1/UKKKK6TsCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAppiQnJFOooAZ5Kf3f1o8lP7v60+igBnkp/d/WjyU/u/rT6KAGeSn939aPJT+7+tPooAZ5Kf3f1o8lP7v60+igBnkp/d/WjyU/u/rT6KAGeSn939aPJT+7+tPooAZ5Kf3f1o8lP7v60+igBnkp/d/WjyU/u/rT6KAGeSn939aPJT+7+tPooAZ5Kf3f1o8lP7v60+igBnkp/d/WjyU/u/rT6KAGeSn939aPJT+7+tPooAZ5Kf3f1o8lP7v60+igBnkp/d/WjyU/u/rT6KAGeSn939aPJT+7+tPooAZ5SD+Gm3Vrb3trJbXkMc8Eg2vFIoZWHoQalooAwv8AhCPC3/Qu6X/4CJ/hWtZ2Vrp1qltYW0VtBH92KFAir9AKnooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooA4x7CGzv7vw9fDZp2pky2cmOI5O6j8cY/D1rgNS0640rUJLS7TbJGfwYdiPY17Jq+k2+s6e1rdAjncki/ejbswrkr6KK7VNH8XfuLuPi01MD5ZR7n19Qf0PXzq9H/AIH+X+R5WJw99Pu/y/y+48+orX1jwxqWisTPCZIO08QypHv6fjWRXnyi4uzPKlGUHaSsFFFOjjeWQJEjO7HAVRkmkSNrpvCWkRl31vVP3dhZfOCw/wBY46AeuD+uBUmneEBbwf2h4nmFjZrz5ZP7yT2x2/nXSWVhJ4kkgkuLY2eh2xBtrQjBmx0Zh6f59666VF3Ta17f5+R3UMPLmTktei/V+Rd8M201zLc67fIUnviPKQ/8s4R90fjwfyroaAMDA4FFerGPKrHtwjyRsFFFFUWFFFFABUN3eW1havc31xFbQR43yzOEVcnHJPA5NTVg+NDIPDLGBVeQXVrsV22qT9ojwCQDge+D9KOqQF+w13SNVlaLS9Usr2RF3MltcJIVHqQpPFX64u5vdSuPF1smp2VrY3VjazXFmsNw0324lNpRWKJgLwSuMn5SOBmqmiS639n0/VRcW7G7t3kdX1eWc3bGMsAkLRhEYMBwhAA3Dmm9r/11/wAhdbf1/Wp39Fee28kkI8PXEGtXs0+o2c89xE907iV/ILbwpOECscbVAHI44FOl1y/h0vQJ7K5kuLltAuLkx+YX86RY4irMM/Mc56+pptWv5f8AB/yCL5mvP/gf5noFMmmit4zJcSJEgIBZ2CjJOByfcgVwdvHrEVkbhNYs7BLzTpXFxPrMl1vbaCsyrJGqoFJydmFAbpwMV75C2lajpWoR6lbXEb2s2w6o9zEVMwUOkpIkGcH5WwMgEDOTRy2dhc11c9HorH8RQXDaGtvY3iW0hliQeddND5o3DMfmjLKzDgEZOa5qPUTLpq6UYNbW+F6YTZf2kud/leZtN0G3mIAhsg7+2MfLSSuPY72ivONIuLy+ksNPuNRufJ/te7t3+z6hJITGsRYJ53DsA3c4Ix14q5paXNuul3jalfzytq89kRNdOyGFWlRVKk4YjYDuI3Z6mnbbzt+Ir7+V/wAL/wCR3dRwXEN1bpPbSpNDIMpJGwZWHqCOtcJpU88en6JqMOqXl3d3moNbTRyXLOjx7pNy+WTtBQLncBu+Xk4JrN0BtU1LT7DT7fAht9JhmiH9qy2RyxcM+Y0bfjaBg8D0OaS1V/67j/r9D1Giuc1O6vV+Gl1dNeRyXq6Y0hurN/lZ/LzvRhjjuCMVm6veXNxqr2tnqyWpfRVkDSXBRAzSqASR90sMqHAyM8c0W1t/XX/IL6X/AK6f5nYzXENuqm4lSIO4RS7BdzE4AGe5PapK4Fb+5tY/sBGo2V1DqlmJopb83SbHkx8kpO8qwXJV8EZ6AGktXuo0tdT/ALQvnnfX5LUo907RmEzSJs8vO3AHQ4yMDnAAp2/O35f5ibsr/wBdf8jv6K8+tZ5SvhjUDq1413qV+Vu4TdsY2+SQtGI87VCMAuAB05ya6HXC914h0nTJZ54LO4SZ5DBM8LSOgXam9CGHBZsAjO30BpWK6nQUjMqIWdgqqMkk4AFcra3S23iZLWLVZbq0i0qUh5bgPlkmCkk9Cy/dJPPHJzmsXRZLjVYLc3t9eyrH4egudoupFDykyAs2D82QOQcg9wcDCfw3/rr/AJAt7f10/wAz0KKWOeFJoJFkikUMjo2VYHoQR1FPrF8KQKPDGkT5k3tp8CEeY23AQH7ucA89cZ/KtqqkuWTRMXeKYUUUVJQUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABUF5ZW2oWzW97Cs0TdVYfr7Gp6KGr6MTSaszmhoOraR/wAi/qIe3HSzvRuUewYcj6VnXUJdv+Jv4L3v/FLZsDu98Lz+ZrtqKxdFbL/P8zB0ItWT/VficCLTRQcweDdWZ/SRHC/mWNaNrHrW3Zo+g2WjIwwZZmDN9cKM/nmutopKil1+5JExw6XW3okjBs/C0X2pbzWbmTU7schphhE/3U6Ct6iitYxUdjeMIwXuhRRRVFhRRRQAUUUUAFMmgiuI/LuIklTcG2uoYZByDg9wQD+FPprusa5c4FADJrS3uXie4t4pWgfzImkQMY2xjcuehwTyKgttH0yyvZbyz060t7mbPmzxQKryZOTlgMnJ55q2rB1DKcg0tAGM3hiwTX7XVbK3trSWJ5Hm8m3VWuC6kZZhjkZJ5z1q5aaNpdhMZbHTbS2kYli8MCoxJ6nIHertFAFG10TSrJp2stMs7drgYmMVuieaPRsDnqevrSQaFpFrZTWdtpVlDaz/AOtgjt0VJO3zKBg/jV+igCCawtLixNlPawS2hUIYHjBj2joNp4xwOKrtoOjvpq6e2lWLWSNuW2NsnlqfULjGeT+dX6KAKsOl6fbsrW9jbRMjb1KQqpVtu3IwOu0AZ9OKeLK1VUVbaEKkhlUCMYVySSw9CSTz15NT0UAY2g+GLDQ4VZLe2kvQHD3gt1SR1Zi2CeTgcDr2qzc6Bo15bwQXek2M8NuCIY5bZGWIH+6CMDoOlaFFACFQVKkAqRgjHGKoW+gaPaQPDa6TYwxSIyPHHbIqsrY3AgDkHAyO+K0KKAKVto2l2dsLe0020ggWQSiKKBVUOOjYAxngc9eKlFhZiNUFpAEWXzlXyxgSZzv/AN7JJz1yasUUAc1aeEmj1xNRvJ7KV4pWmWSDT1gnlYhlBlkDHfhWPRVycH2rdvdPs9Stjb6jaQXcBIJiniDrkdDgjFWKKOlg63KUui6VPFbRTaZZyR2mPs6PbqRDjpsGPl6Dp6VLFp9lB/qbOCP90IfkiUfuxnCdPujJ46c1YooAghsrW3dXt7aGJljWEMkYUhF6Lx/CMnA6VPRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFQXf+pH+9U9QXf+pH+9QA62/491/H+dS1Fbf8e6/j/OpaACiiigAooqC9uksbC4u5gxjt4mlYKOSFGTj34o2Ba6E9FQ2V0l9YW93CGEdxEsqhhyAwyM+/NV9Z1WPRNKm1CeCeeGAbpBAoZlXu2CRkDqcc4oejswWqui9RWVf+IrGytLKdC92dQdUtI7YBmm3c5GSBgDkknAFajuscbPIwVVGWYnAAo23DfYWiuZHji2mja4sNI1e+sV/5fbe1BjYdyoLBmHuqmpdQ8Z6faWemXNnb3eqLqhItVsY1Zmwu48My44B9+KdmK6Ohorn7PxVLdySK3hrXLfZE0m6e3jAbAztGHPzHoKof8LCX+0BY/wDCL+IftRi84RfZot2zON3+s6Z4oswujr6KzrvWorHw3LrN3bXMUUNubiSBlHmqAMlSM43fj+NZsXjfTpjhYLsH7bDZfMi/flQMp+993BGe/saLO9gurXOjoqG9u4dPsLi8uWKw28bSyEDOFUZPH0FVRrVobnToPnEuoxNLAu3+FVBOfT7w/OluM0KKKKACiisu48QWdrHqskiylNKUGdlUHcSm/avPJwR6feFAGpRUZlC25mZWUBNxU9RxnH1qDStSh1jSLXUbZXWG6iWVFkADAEZGcEjP40AW6KKq2999ov7u1+y3MX2UoPOlj2xy7lz8h/ix0PoaALVFFFABRRRQAUUUUAFFFUtR1WDTJLJLhZGN7crbR7ADhiCQTk9PlNAF2iiigAooqlBqsFxrV3piLIJ7SKOWRiBtIfdjHOc/Ic8elAF2iisNPFli88EQiuN0+oyacuVXAkQMSTz935Tg9fajfQNlc3KKZLKkELyyttSNSzE9gOTUWn3iajpttexRyRpcRLKqSgBgGGRkAnnmgCxRWRq3iODSryGyS0u9QvZkMi21nGGcIOC5LEKBnjk8npTYPFOn3Hh261hRMsVoHFxC8e2WN06oVP8AF7d8jmjpcOtjZopEbfGrFSu4A7W6j2paACiiqkOp20+qXdhGW860RHlyMAB845/4DQBbormv+E3tZd8un6Xq2oWcbENe2tsGiODglcsGcD1UEVdXxRpso0lrWRrmLVpGjt5YgNoIUsd2SCPukYxnPGKdmK6NiiiqmralDo+j3epXKyPDaxNK6xgFiAMnGSBn8aQy3RWVoviC1117tbSKeM2jqknnKBksgcYwT2YVq02mhJp7BRVDRdYt9d0tb60SRImd0AlADZRyh6E91NGkavBrVpLcWqSIkVxJbkSAA7kYqTwTxkcUhl+iudh8a2E+tf2XDa3jXBuZ7UfIgUvCiu3O7oQwA985xVi18V6XdeHJtaaR7e2t9wuEmXEkLqcFGUZ+bPGO+RjrR0uHWxtUVXsLo32nwXRt5rbzkD+TOoDpnswBOD7ZrM1DxTa2epNp1paXup3sahpYLGIN5IPTezFVXPYE59qdtbBfS5t0Vl6N4gtNaaeKKO4trq2IE9rdR+XLFnoSOhB7EEitSlsAUUVDd3H2SynuPJln8mNn8qFdzvgZwo7k9hQBNRVCDWLee/t7IpNFcz2v2sRSJtKJkDDejZbGPY1foFe4UUUUDCisbXvFOn+Hbixh1DzS17L5amNQRGMgF3yRhQWUZ561s0dLgFFV9QvP7P0+e7+z3F15KFvJtk3yP7Kvc1Ojb0VsFcjOCORQAtFY1v4q0yXw2+uTSNa2SNIrNOAGyjlDwCc5K8Acnir+mXx1LT4rs2lxZ+aNwiuVCyAdsgE4z6dfXFAFqiiigAoorm08c6c90q/Zr4WTz/Z01Iwf6M0mduN2c43cbsbc96Fq7BsrnSUVQsNXg1G+1C0gSRZNPmEMpcABmKB/lwemGHXFRaxr9vo728LQXN3d3RIhtbWMPI4H3jyQABkZJIHNAGpRXPN4z09fD91qjW94ptJhBNZtEBOkhKgJtJwSdykYOCD1pbfxZ5lpe3N3oWr2EVnbtcO11Ci7woyVXDnJ+uKYbnQUVDZXSX1hb3cIYR3ESyqGHIDDIz781n6b4hh1XVbyztLO7MdnI0Ul2yKITIuNyA7txIz6Y4PNFnewrq1zWooopDCiiigAooooA57UPHOg6ZqM1jcXE73EBAlWC1llCEjOCVUjOCOKl0nxhpGt332Swe5M20tiWzljGB7soFcNdS3P9uarZ2t5cWQv/E0FtNLbPskCG3JOG7cqK6aTwGUjZh4r8T5AJ/5CP/2NVZE3Z19FYPge/udU8D6TeX0pmuJbcGSQ9WPTJ/Kt6pKCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAqC7/wBSP96p6gu/9SP96gB1t/x7r+P86lqK2/491/H+dS0AZHiy8udP8H6td2BIuIbSR42HVSFPP4dfwrn4vD/hzRrfS7+3mmt725XYk8cjM18zxkkSddwPLZPTA5Fdsyq6FXUMrDBBGQRWPp3hHQ9Jvhd2FgscyhhGTI7LED1CKxITP+yBR0aDscn50f8AwqPwwN65ebT0XnqRKmR+h/Kmpo1hdz+N9RuoBLc208ogdyT5X+jLkqOgJzye+B6V08fgbw5FN5semqGEglRfNfbG4YNlF3YTkD7oGeh4rSTRbBI9QRYMLqLFrob2/eEqFPfjgAcYqpO/N53/ABt/kKKta/S34X/zINEl8nwfp0ux5NlhE2yMZZsRg4A7mqGn+Mra/s76e/0jVtItrSLzJZNUtPJVl5yBycn2966C3t4rS1it7ddkUKCNFyThQMAZPtVfU9JstYt44NSh8+GOVZRGXYKWU5GQD8wz2OR7USalJvuKKcYpdjzrwZF/Y/ieCfV7N7W01SNxoYmk3fZELljCRj5WYEMPYbc8V2fjmG5uPAmsxWQZpmtH2qnVhjkD8M1pappNlrNl9k1KDzod6yABipVlOQwZSCCD3Bq4BgYpSd1YqOjuYSz3l34XsJvB82nKjRoUa6RnjEe3oNhGCOPyNcTHc3uvxeEWtp7XSro397Gs2n26mNdquCyo2R8wB6+ua7K48CeG7qaSSTTQvnNuljimkjjkPq0asFP4irGo+EtD1WztbW7sFEFmSbdIJHhEeRg42Edqbau2SlZWE0nSdZsrwy6l4jm1OHYQIXtIogDx82UAP/66pN/yVlP+wK3/AKOFWtM8F6Ho9+l7YW06TxghWe8mkAyMH5Wcjv6Vp/2baHVhqflf6YIPs4k3H/V7t2MZx174zRdXT9fyYW0a9PzRJeWkF/ZT2l3H5kE8bRyISRuUjBGRz0rj/G+jWSWenRQRtAL3WrUzNFIys2Bs4Ocj5VA4x+ddtVW+0201IQC9i8wW863EXzEbZF+6eDz9DxSWjT9PzKezXr+R55r+iadpeoa9pljapFY3Hh6S6e2GSnnIx2yAHo3v7VZi8OaNH4i8GhNNtlH2KaTAjH3lWNwfqGZj9Sa7e40awur57u4txJNJbNaOzMcNETkqRnHX2zVJfCOipbWMC2sgTT3L2p+0y7oieoDbs4/2Sce1OMrb/wBb/wCa+4lq7/rsv8jhLTQ9LPw91fXHkZdStZrySC6EpDWzpK5VU5+UE4JHfdzVjU9KutSurnU73S7fXlkghEiQ3oiutMbywWCA/KDn5hyDz3rZ8NeBLCK1M+t6Yv237ZNNgyko4MrMjMqtsY4IwSCR+FbWpeEND1a+e7vrLdPIoWVo5pI/NA6BwrAP/wACzRfQfV/P8xukfZ9QsdL1y31C/a3Wywsc0gCyKQDvkUDlxjr7msG3Rr7RdLhcHzNf1I30w7iFT5oB/wCApGn411Fx4e0q5ljkltAGitXtI/LdkCRMAGUBSAOg56jtVhdMs0ure4SECS1haCEhjhEO3IA6fwrz14our3/re/8AkKztb+trf5nGQaTYa7eeJdQ1pmN5ZXckMEplKmzjSNSpTn5c5LE9+9Zei6XaaxeeD7XUEM1v/wAI+zPFuIWTBjwGA6jvg8ZAruNT8I6HrF6bvULBZZmULIRI6CUDoHCkBwP9oGrFpoGmWE1nLa23lvZWxtbc+Yx2RHHy8nn7o5OTxRF2X9dmv1HJX/rzT/Q83/sGx/4QjxNeFZTcaReXSadIZmJtFiOUEfPy8/n+AqfUZ5TreuQtO8MN9qOmW91KjbSIniG7kdM8DPvXoH/CP6Z/Z19YfZv9G1B5JLlPMb94z/fOc5GfbFUNb0BBpuoPpWmWt5cXxi+1W91I224RAF2g5wrbeh6Zxn1p83fy/S/32FbXTz/Hb7jm9R8JaTB4yttJ01BbQ32k3aPbKxKITsAcKTwT3PfbWXHrEt/eaHr08pRNAjt4L3ngSTM0UufptU/jXReGvDDweKF1b+xm0eG3tngVJ7v7RNMzFeWbc2FULgDd3PAroP8AhFNF+wajZfYV+z6pK012m9v3rt1Oc5HTtii9rf11f6MLXuv62X6oo+DhIfDU2qshM+qTS32D1IY/ux/3wEFcTe6Npt18Jj4jnlc6vcxrLPe+ad8jtIA0R5xtz8u3oMetemDRdPW8s7tLcLPYwtBbMGbEaEAEYzg/dHX0rgr3wdd6qZLWfwxb2lzPcB59RivM2wG4FpI4dxIdgMfdHU/NRFrm08vuX/A/pg721NKw0TTfFGoa/ceIVNzPa3rW0QeRl+yxKilSmD8pOS24cms/RtTk0+08PeJtTmZorq0lsbyd+rqpZ4ZGPqQjDP8At12Op+EdD1e8N1f2IkmZQkjJK8fmqOgcKQHHs2atajoWmaro/wDZV9ZxyWOFAgGVUBSCoG3GMYHSpT0+7/J/eO2uv9dvuOCs9NN9c6BZa2rCDWjdaneQFyomlO1kjbHUKh+70+Wrl7ZaTpWqabp2izSbYddgaW0JJjtmaFztTI4BHOATjPauy1TRdP1m0S21K2WaONg8eCVaNh0KspBU+4IqvbeF9HtLe3gt7JUS3uftSHexYy4I3sxOWOCfvE1Skrr+uv8AloKzs/O/4o5C00bTdd8PazretMzanHcXQF0ZWV7LynYIEIPyYAB9885q54MvZ77xE1zfn/SrjQrGWTIxkkyZP5n9a3r7wboGo373l5pyySyMGlAkdUlI6F0BCuf94GpdU8L6PrNxFPqFmHlhQxq6SPGdn9w7SNy/7JyKSdlb+tgav/XmmcJpyw6tHoumXTl9LvtU1GSVFchbgpI7IhI6g5Jx3210HhjT7PS/HniC004kQR21piLeWEOfNOwZ6Dvjtmtp/CuiyaP/AGW2nx/YxKZliDMNjli25SDlTknGCMdqitvBmg2lrfW9vYbY9RjEV3maQmZeerFs5+Y85z70X0Hb+vncyr3TbTxD8Qrqx1xPtFtZ2EUtrauxCFnZw8mB1Iwoz2rk2W7trDTk0Fku7pfE90tu9zISrHZIAzN1OOp7nFej6h4X0fVIrZL203fZU2Qukrxui4xt3qQ2Mds80lp4U0WxhtYrOxWGO0uGuoEV2ASRgQSBn0J46e1CaX9edxNN/wBeVjk7E203gF4bfzP7U1i6FlqDzEGbz2bbLux/dQMQBwFAxVvWL4eDdf1G5hTEOpWG+CMDhrqLCBR7srJ/3zXSr4d0tNYbVFtcXbSCVnEjYLhCm7bnbnaxGcVNqOj2GrtanUbZZzaTrcQbiRskXoeOv0PFDaf9eX6dBpW/rz/Xqc7CbXwbo+m2FrZC/wBemt/KjjjUCSZs7nZn/hQMxJJ4GfWoG0aays7LSryZbi+1rU/td+8YwmExIwUf3fkRPxrZ1bwZoWuakL/U7SWS6EYiEiXUseFBzjCMB1NTaV4W0jRZUl0+3kR0DhWkuJJSu/bu++x67F/L3NPm1u9/6YraWOLudC0/VLzxzdX8TTS2sm63y7AQsLZDvUA8NkDnrwKkg02HT4fCGtWvmnU711W6uGkZnuQ9u7EOSeRkDA7Y4ruV0WwX+0MW/wDyEjm6+dv3nyBPXj5QBxij+xbDyLCHyP3enMrWo3t+7KqUHfn5SRzmpT0t6fhv942r/j+Ox5dp2k6rqvhWPxBt0e3v5MzHWbnUpkmicNjDfJgAfd2Z29q2brRI5NY8ZzWFnD/ababH5UkS/NvkifdtP+0QP0rqW8FeHn1Fr1tNTzWl85k8xxE0n98x52E++Kvf2LYf25/a4hK33l+UZVkYBl5wGUHa2MnBIOKcndWBJp3K/hW5s7jwhpktgyfZhaxhdvRcKAQfQggg151b2Vrqt7YJKzLpV74ku3t9khUSR+U3AIx8rOGHHUGu9ufBHh27upZ5tOAaZt0qRzSRxyn1ZFYKx+oOat6h4a0fVLW2tr6wjkgtM+RGuUWP5SvAUjoDx6dRyKfMuZy7/wCdxcto8v8AWzX6nF6hpaWWp634f0G8h02ymsreYRyzMkMUzSkeWCDlBIowQvPPFWNA06yt9cudF1HQZNHbULJ1a1t7oS2l1GCAzjGGV/mx0HB9a6mDwpoltpdzpyafG1tdndcLKzSNKfVmYliR2OeO1O0nwzpOiTyT6dalZpFCNLLM8r7R/CGckgew4pJhZ9C5aada2LzvaQiNrhw8pBPzEKFH/jqgfhWSvivd4k/sj+wdbH7wp9tNn/o3TO7fnp74rfopX11H0sjznwZo2u3fhtZrDxTPYQNc3G23SyhkCfvnB+ZlJOTz+NbXw5SSLwzcRzSmaRdRu1eUqFLkTNlsDgZ64FdFp2m2mk2S2mnxeTArM4TcW5Zizckk9STRp+m2mlwPDYxeVHJK8zDcWy7sWY8k9STRf+vuBq7v5/5kUeiadDei7jtlWcTPOH3H77qFY9e4AFeb6pJBN4wl8Sw2rS+GLa7jS/Kv8k06AqLgJj5lQlQT3IzzivU7m3ju7WW3n3GOVCjhXKnBGDgggj6iobfS7K10lNMgto1ski8kQYyuzGMHPX8etCdnf+v6/roDV1bv/X9f8EyNS8XLp+qRWceh61fpKqMt3ZWnmwYb/bz26mqPg4tHN4mtcouprqk0jCXnKsAYmI67duPyNdNp2nW2k6dDY2CNHbQLtjRpGfaPTLEnH41T1Xw1pGtTxz6hZhriMYSeKRopAPTehDY9s4o06Br1OG1/UdX8nxNpmuLpEk66C8/n2ELq+MkBGLMTjqce9aF9pGhafpukWA068vJr9hKbK1kUG+dY8lpmdhkDOeW5OOtdLb+EdCtNLu9Ot9OjS3vFKXOGbfMD13Pncep5zU2p+HdL1e2t4NQtfMW2IMDLIyPGcY+V1IYce9O/6fqKzvf1/JHntnpU1xN4p0mx04aU1vFbXtpZLcCUQTqWYEY4UttXIFXr+/i8V2usaxDza2GhPHF7TTRb3/EKEH4muz0rw1pGiXMtxpdmtvLMipK4diZACSC2ScnJPzHk+tLbeHdKs9JutMtbNYrO8MjTxKzfOZPvc5yM+3Ttik3dP+vL8vyHHSSf9d/z/M4iDT7VNc07UI7GKW9h8Mi4iYpljKgQKfrjis/TtF1SXw9p2vQf2LaXcnlTnWJtTmEshJGVfKYO7ldhOBnAr0d/Dulvc2FwbYrNpyCO2dJXUonHynB+YcDhs1Vh8FeHrfUFvYdNRZUl85E8x/KR/wC8I87AfcCr5le/9bt/r+BHK+W39bJfp+Jxn9l6h4n1nXri5sNMvGtb57eJ72+miktUUDbsCoQmR824EEk1u6d4rutLsNM0+/03VNbuGgjD6lpdv9otpMnG7zMjPAyTitnUvB+havfPd39jvnkUJI6SvH5qjoHCkBx/vZrXihjggSGCNY4o1CoiDAUDgAAdKlP3UvQpq7bPNtQnbxF4h8RM2jajqNotudJtpbRYyqMPmkb53Xnft6Z+7Ub3q+KND8Iw6u8kE8epmzvkEhRvMSKRWUkHI3cfg1ei6Zplno9itnp0PkwKzMF3FjliSSSSSSST1Nc14i8F2t/qlhJbacssM+pfadRBkwCPJdN+CeDkr93nPPbNEWlZen5/8FhJN3fr+X/ARz3iazg0NPE2k6Ovk6c+ifaZLZGJSGXeVBUfw7l7D+7muttvFeNYh0j+wdbP3U+2iz/0b7oO7fnp74q5D4T0WDSrvTo7L/R70Yud0rs8vb5nJ3H8+K10UIioowqjAHtRf+v6+4Ldv62/yPINJ0/U7XQLPxPNINQsNLvriQaYI+Fi81w8o/vSKSSPQDjmug8SzTeI/FGkWNjHZahp09g95HDd3DxQ3DblGTtVtxUHO0jHJPau20/TLPSrEWdjD5VuGdthYtyzFm6knkk1mHwV4fOmRaf/AGfi3glaaELNIGhZjk7GDbkHspAoT2v0/r/g/wBaNrdrr/nf/gf1ryLaNqNh4f1Uh7AyaRdRahZWVldPObUoMvGdygqGXOF/2jW1pqJ4t1nWdSiuZobX7OunWlxbPsdQQHkdG7HcyjP+xWrLpy+HNAlg8MaMt07sSYPPCmRm6u7uct75JOKZonhW00/wRD4evI1mhaAx3KoSoctkvgjBAyTRe6f9dLP8BW2/rrdfibDQtFpxhjd5GWLYrucsxAxkn1rz6Z4z8AoEjwJDaRQovfzvMC4+u+vRYYUt7eOGFdscahEGc4AGBWQng/QY9W/tJNOQXPmmYfO2wSf3xHnYG/2sZoT1f9bf8OPovI5iw8N6PrfibxXJrK+fJFdIAGlIEA8hD5i4PDf7XX5aytAW+17X9C/tHU7qBJ9DcebDIY5bnZNjh/vDK7GOCCa7i98E+H9RvJ7q70/fPcPumcTSL5vAGGwwyuFHynj25NXNS8PaVq1rBb31mjJbEGAxsY2h4x8rKQV49DQna3y/JoVt/wCutzin/wBMhu9A1PXrhLez1uCG1vXTzZJDtEgiLYxuDcbm9s5p+uLcaLcaxo8GoXd9Z3WhXNy8d3MZnt3UbQQx52tk8HuOK68eGdGXQm0b+z4jYNy0JydxzncSeS2ed2c+9MtPCujWNneWtvZ4jvkMdyzyu8kqkYwXYlsYJxzx2pPa39bW/wCCUtGn/W9/+AccdF03RNE8Mano5YX9zPawvN5rM15HIAHV+fmG3JH93bxis2002z0/Sr2KygWyjvPEzafczQfu2W23/c3DkAnC/wDAq9B0/wAH6DpV+l5Y6esc0SlYiZHZYs9dikkKT3IAJqx/wj2lfYLyyayR7a+mea4ikJYO7HJPJ45GeOnar5ldv+t1p+D+8hR91L+tnr+K+45bV9P8L+Fo7y3t577TmurRQ9lpzEGQeYqBlBGFclgucjIJ9MjNtYk0Hx5pDWPhyXRYriC5WSFLhHkugke4ZjRiMg9CTkk12MPgzQIbG6tBpyyRXihZ/OkeVnA6DexLYHbB47Utl4O0LT76C9trIi6tyTHPJPJJIMrtwWZiSME8HgelSmNoTw/4m/t+WZP7E1jTPJUHdqVp5IfPZeTk1uUUUhhRRRSGef8Ai7TrLw7c2GryTyLFceIYLu6kk5SECJ0zwOB069zWvL8RvCJhcDXrQnae5/wrqCAwwwBHoab5MX/PNP8AvkU7isc98PI3i+HeiLIpVvsqnBHY8iukoopDCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAqC7/1I/wB6p6gu/wDUj/eoAdbf8e6/j/Opaitv+Pdfx/nUtABRWX4m1KXR/CupajbKGmtrZ5IwRkbgOM+1Y9noL2X9n3Vz4mvZHuf3dzFd3G6O7LqflRcgIc8jZ2HQ0bg9DQg8Z6Bc6illDqKtLJIYo28txG7j+FZCNjH2BrQ1TVrHRbE3mp3C28AZU3MCcsxwAAOSc1yl9Dbaytt4T8NwAafp80X2u6GSluI2DCJWP3pDgZ64yc81z/jPW7TVbfU5dSS8j+xyLDYW72M23IkXfMW27cnkLzwPdsVSSbX9aaEttX/rU9F1fxDpehGEanc+W85IiiSNpHfHXCICxA9cVZ07UbPVrGO8064S4t5BlZEPB9R7Eeh5FchfXN1rHjeyn8LNHFdQ6czzTX8LiPyXfCr5eFfduTOcrgDnOar6F4o0jwjpF5F4nuvsl5/aUy3TqjyJLMwDlk2rwpVhgEcdOetCWmv9a2G3rp/Wlzury8t9Pspru9lWG3hQvJI3RVHU0W13Bd2MV5byBreaMSo5BGVIyDz049a898Q+KNM8QrNHKbttHhtfOiK2E7JeSshKEkJgInB5x82P7vO5oVpp3ir4e6Xa3H2hrVIIUmjw8PmFUGVOQCy/Tg+tKzs/l+oXV18/0Oi03U7PV7FbzTZ1uLdmZVkXOGKsVOM9RkHnvVokKCScAckntXnlhfTaL8KHbSittL9ultoXCjbCHu2TdjpwD+lTeJNIl0Dw7qb23iK+lM2m3Cm1vrjzmmYJnehJypAzkKMYPQUS6tDW9v63Oj07xdoWrX4s7DUFlnYMYxsZVlC9djEAPj/ZJrXlljt4XmndY4o1LO7nAUDkknsK5DxHHFb6J4WNmqgxalZrBjspG0gf8AJqtrHj/wAKa74b1izs7yS+YWjiSGKJ4mIYhOGdcD5nX1+hpuO/L0uKLva/W34nRaV4t0TWrv7Np175kxQuivE8fmL/AHk3Abx7rmk/4TDQf7W/s7+0E+0eb5H3G8vzP7nmY2bv9nOa5pbfWdO1/wAMzeK5LSeGMtbW5slKGKZoyMvn7w2qRldoz2o8VWYsvCcEujGzk8MWjpc3EELkyzASbyUlJIPODjGTg/MM07K/kJNteZ0Go+N9B0q/ls766nSeEgOFsp3A4z95UIPB7GrOm+KNH1b7H/Z92Zft0cktvmJ13qjBWPIGMEjrjPas/wAXXct1b6folhI0cutS+W0i8NHAF3SsPQ7fl/4FWdrejJceOvD+n2lzNp9tDp9wMWj+WxQGIBA3Ve3I5wOtJLo/6sm/6+YN6XX9a2O3rN1fxBpmhiL+07kxtMSI40jaR3x1wqAkgdzjiuZtPFNp4RuNXsfEmqzPZ2VzEltc3AaaTEke/wAtioJJGDyexGTWrDd6dr6jWPC91ZyanJa7IJrhXO2HzOSYsqQCynnjkd8Urdf62Hc2tP1C01WxivNOuEuLeUZSRDkH/wCv7VO7rFG0kjBEUFmZjgADua85065S08M3On6hqdxpl5Hq7xXr2SGWS7kb94Vh2Dcu4MDwMqAfrTtIuraTXdY0bU5tUGhy6cszprcrKy5coxDOd4QjHUjnNO19v60uF7b/ANa2Ou0vxZoms3n2XTr4STFS6K0bp5ijqyFgA491zUc/jPw/b6i1lNqKrKkgidvLcxo5/haQDYp9iaxtXju7DxpoFzqH2eTSluGtbGO2BR4ZHjIUvnO8YBHG3GRwcUmtRWs9hceCvDFurSXAb7ZJkvHZpIxZmdiTlzklVznvwBRZaWFd9TtqK86vJ9V1TxLqdhb2+tT2ml+VbwjTb+K2wxjDF33MpY88dV46VZlur/8AsbSbbxXf6jYXjNLvs9PQyXN4qn5W3QZ2gDBbGBk9RSsO/c7W9vbbTrKW7vp0gt4V3PJIcBRVHSfE2k63cSQaddF5o1DtFLE8T7T0YK4BI9xxXK+GZLfUl1yw1x76TT9MuobmH+15CJYhtEg3tnJAYZAY9MZqS5kufEVxd+JLOKS3sLHTbiKxkZdsl0zrkyAdQg2jbnk5zQ/dTv2v+FwWtrf1qdDa+L9CvdUGn2uoI9wzMifIwSRl6hXI2sR6Amr2patY6PbxzalcLAkkqwoSCSzscKoA5P8Ak1xupxxQ/CjQmswu6JtPe3I/v74+R7nJ/M1ieJ9ds9VE19qKXkclteQR2Nu9hPiJFnTfKW2bd7AcYOduAOSRVcvvW87fl/mTzXV/L/M9I1HX9O0q8trS9nZbi6z5UUcLyMwBAJIUHA5HJwKluNWsbXU7XTp7hVu7wMYIcElwoyx46DHrXE6l9kPxGt9aWXUniXRpLwRRSSqzbXTCCPg4PdCME9RWZBrVg3i3QtW1A3R1K4mmNxmwnHkoYiEiTKchc846kljilGN0v66tfoOTtf8Arpc9VrJ1HxRo+k3jWuoXnlTJGkjL5TthXfYpyARy3Fcn4huIp7zVmi1fxBdXUBKxR6RHJHDZkKDtZh8jHPJ3HvjArU0vRLTxVoOnazqvmPd3lhbCZlwAdjiXOMd26+3pRFX1e3+Y23stzrqKKKkYUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVBd/6kf71T1Bd/6kf71ADrb/AI91/H+dS1Fbf8e6/j/OpaAI7i3iu7aW3uY1khlQpIjDhlIwQa5638D2cDRltS1OZLZGSzjmuAy2m5Su5Pl5YA4BbdiulooA5LTfh/HpEMMFj4k16O3hbKwi4i2HnJyPL7nr9a6DWNKg1rSptPumkSKbbuaMgMMMG4yD3FXaKd2xWRj6t4bt9Vvob5Lu70++hQxi5s5ArshOdjBgVYZ55HB6VZ0fRrXQ7Jrez8xvMkMssszl5JnPV2buTV+il0sMiurdbuzmtpCwSaNo2K9QCMcUzT7KPTdNtrKAs0VtEsSFzliFGBnHfirFFAGRF4Z05PDs2iyq9xZzNIziVvmJdy55GMYJ47jAqCx8I2drdG4vLy+1SUQtbxm/lEgijb7yqAAOeMk5Jx1reooA53TvBdjp95bTG81C7jss/Y7a6n3x22Rj5RgE4BIBYnA6VtX9jbanp89lfRCa3nQpIh/iBqxRTbvuC02MCw8IW1nfW91c6hqOpNaA/ZUvZw6wZGMgADJxxlsmoB4D0wN5X2q+/s3zfO/svzh9m3Z3fdxu25527tue1dNRRd7isihNpEE+u2uqu8nnWsMkMaAjZhypJxjOflA61U1nwvba1qVrqEl3eWl1ZxukEtrKEKbiuTyDn7uMHjBPFbVFIZnaLoltodtJHbPNNJNIZZ7i4ffJM543MfoAMDAGKg1bw3b6rfQ3yXV3p99ChjW5s5ArshOSjbgQRnnkcHpWxRQBzr+CdMOmQWsEt3by29wbpL2Kb9+ZiMM5YghiQSDkEY4xSW/gjTY726urue81CW8tTaXJvJg4lQnPQAbcdBtwPbPNdHRTuxWOfsPB9pZ3tvcz3+oagbQEWiXk4dbfIxlQAMnHGWyaz7T4eR2Cyiy8Ta/AJpWmkCXEQ3OxyWP7vk12FFF2FkYF94Rt7vUDfW2o6jp13JEsU81nMFM6r03gqRkeoAPvTJPBOnCKwGn3F7pstgrpFPayjeyucsG3Bg2TycjrXRUUXYWRyNx8OdMuLK/tjqGqKuoSRS3L+erNI0YOMllPByCR04GMDitHS/DL6ZeCaTXtYv02lfIvJkaM59gg/nW7RRdhZHN2fgfTrO6t3F1fy2tpJ5trYSz7oIG7FRjJx2BJA7Vr6tpUGs2H2S6aRI/NjlzGQDlHDjqDxlRV2ii7CxQbR7d/EMesl5PtEds1qFyNm1mDE4xnOVHenXelQXmp2F9K0glsWdogpG0ll2nPHoe2Ku0UhnNz+CLKa5vGTUNSgtb6RpLmyhuNsUjMPmPTcM9wGANbGk6bFo2j2um2zyPDaxLEjSkFiAMDOAB+lXKKd9LB1uFFFFIAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigApk0XmoFzjnPSn0UANjTy4wuc4706iigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooA//Z)

Opgave 1.2:

Link til webside med beskrivelse af API’ets returværdier:

https://confluence.govcloud.dk/pages/viewpage.action?pageId=26476616

"visibility" angives i meter

"wind\_max" opdateres hvert 10 minut

05272 er Brande

Opgave 1.3:

Link til forecast API:

<https://dmigw.govcloud.dk/v1/forecastdata/api>

API’et har pt 9 forskellige collections:

**wam\_dw, wam\_nsb, wam\_natlant, dkss\_idw, dkss\_if, dkss\_lb, dkss\_lf, dkss\_nsbs, dkss\_ws**

**Lille Bælt har kode: dkss\_lb**

**(**<https://dmigw.govcloud.dk/v1/forecastdata/collections/dkss_lb?api-key=e769a716-508c-4704-9fe1-9fd25f9f42c3>**)**

**Data typen der returneres fra API’et er JSON.**

**Opgave 1.4:**

**Steder hvor DMI’s API er brugt:**

<https://vejr.eu/pages/api-documentation>

<https://via.ritzau.dk/pressemeddelelse/cowi-designer-havneindlob-med-data-fra-dmi-som-solid-bund?publisherId=13559149&releaseId=13624252>

**Opgave 2.1:**

Et billede, der indeholder bord

Automatisk genereret beskrivelse

**Både forklaringsgrad (R^2) samt korrelation er højere for DI’s FTI end DST’s. Vi har dog ikke kunnet nå samme forklaringsgrad samt korrelation for perioden 2000 Q1 – 2016 Q2 dom i Baums artikel fra 2016.**

**Opgave 2.2:**

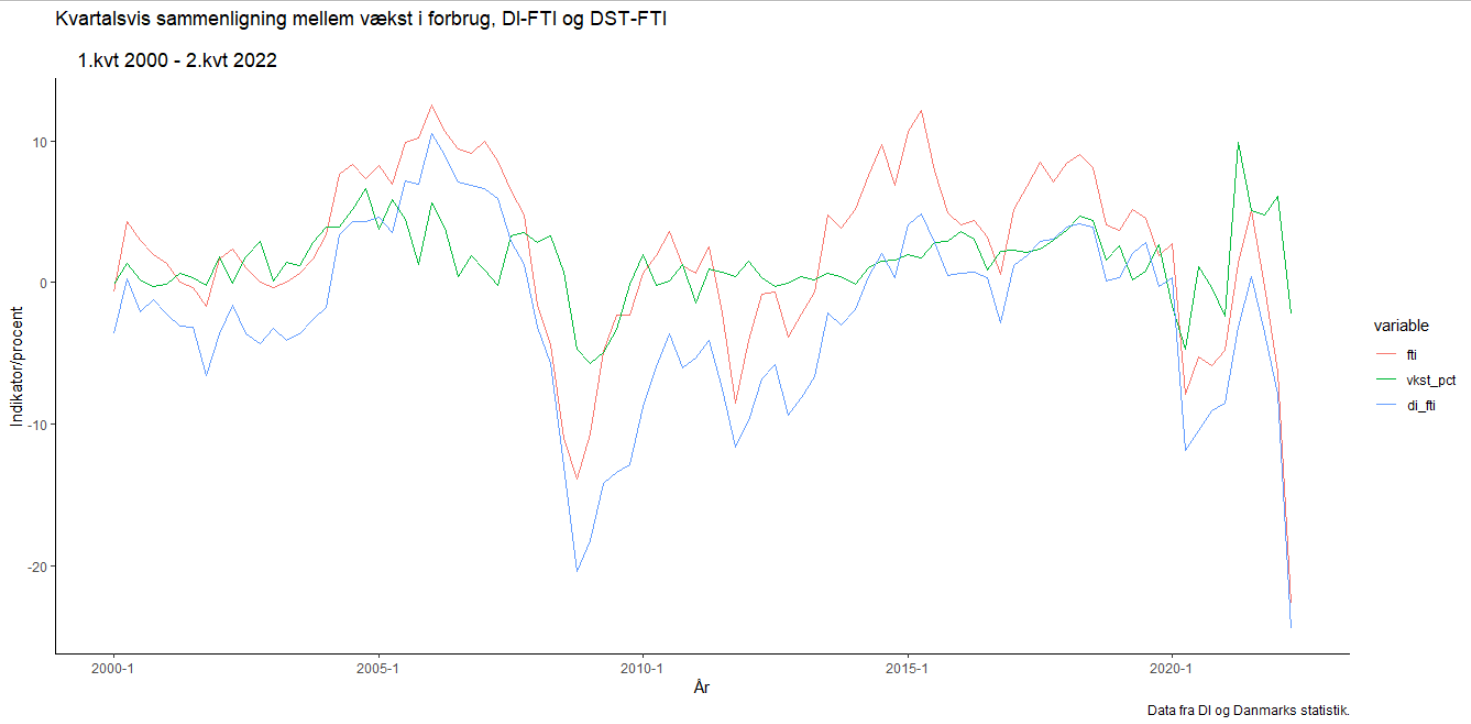
**Forecast for forbruget i 3.kvartal 2022 med brug af DI’s FTI indikator: -5.62%**

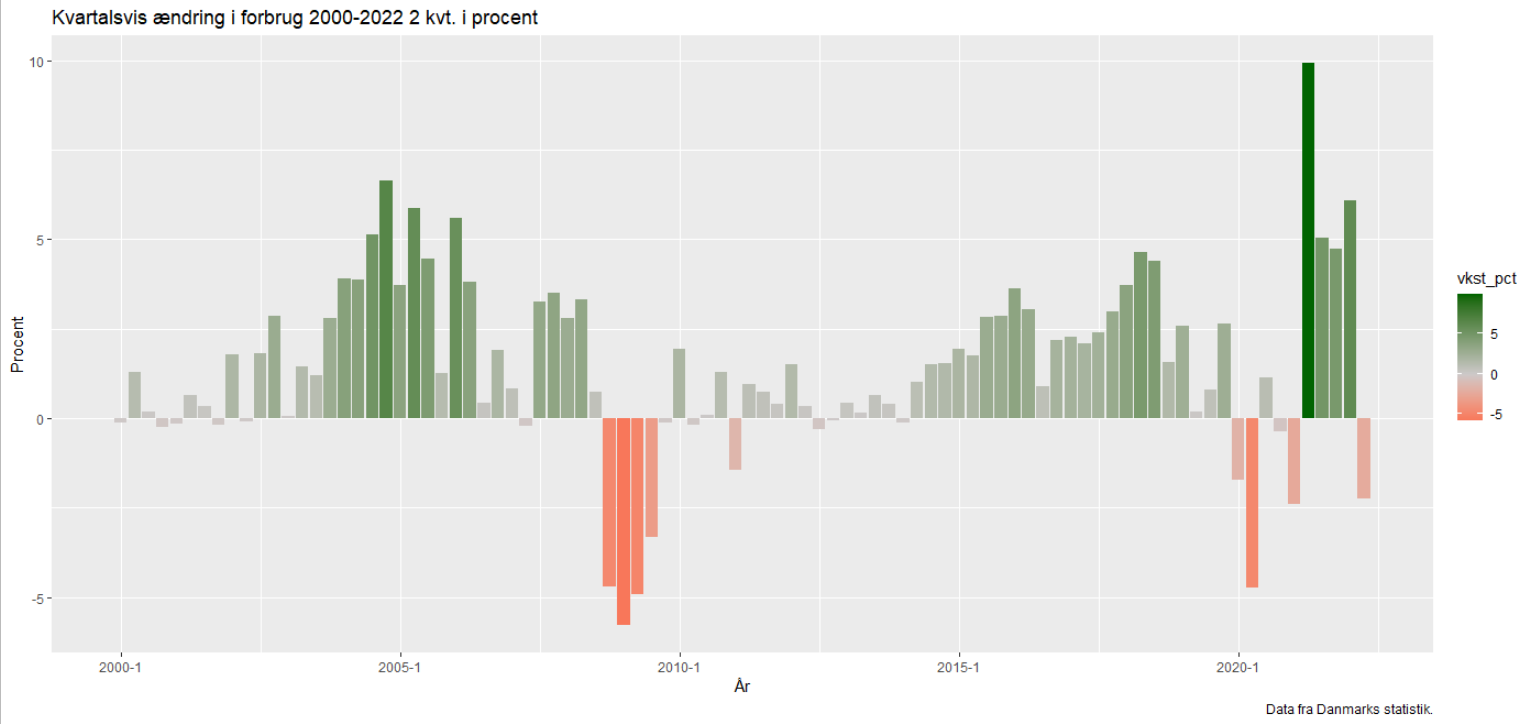
**Forecast for samme periode med DST’s FTI: -5.08%**

**Opgave 2.3:**

**De to indikatorer for forbrugertillid, DI samt DST, viser henholdsvis -32.4 og -27.6 for 3. Kvartal 2022. Disse værdier er udtalt lavere end de laveste værdier for perioden 2000 Q1 – 2022 Q2: -24.43 og -22.7 (begge 2022 Q2), hvor væksten faldt 2.2%. Den laveste vækst i perioden var under finanskrisen hvor væksten faldt med 5.8% i 2009 Q1 og indikatorerne viste hhv -18.3 og -10.7.**

**På denne baggrund mener vi er der er stor grund tl at frygte et markant fald i forbruget i både 3. og 4. kvartal i år.**





**Opgave 2.4:**

**DI:**

Et billede, der indeholder bord

Automatisk genereret beskrivelse

**DI’s prognose er fra 26 maj 2022, så sandsynligvis ikke opdateret med data fra 2.kvartal. Deres skøn er at forbruget vil stige 1.7%.**

**DK Nat.Bank:**

Et billede, der indeholder bord

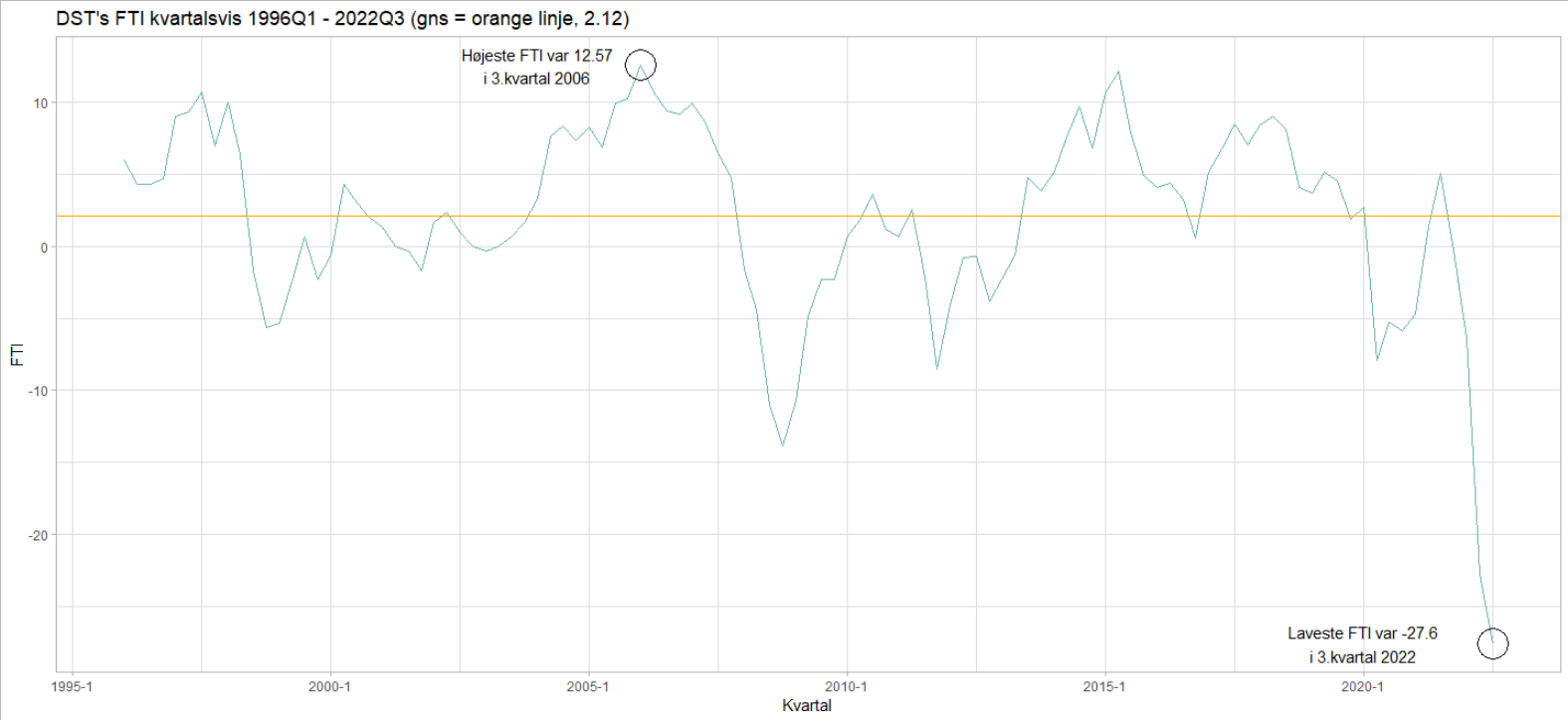
Automatisk genereret beskrivelse

**Nationalbankens prognose er fra 22.9.2022**

**På årsbasis skønner nationalbanken at det private forbrug korrigeret for inflation vil falde med 1 pct. i år.**

**Begge disse skøn harmonerer selvsagt dårligt med vores forecast, det skal dog tilføjes at DI’s analyse er fra maj i år. Desuden er begge organisationers skøn for hele året 2022, vort forecast af forbruget er for 3.kvartal baseret på DST’s forbrugertillidundersøgelse i samme kvartal.**

Opgave 3.1:



DOT-com boblens effekt ses i 1999-2000, efterfulgt af højkonkunkturen op til finanskrisen.Det store fald i 2007-2009 skyldes finanskrisensamt dens efterdønninger frem til 2012. Den lange højkonjunktur med stigende boligpriser samt lave renter og inflation ses tydeligt i perioden 2014-2020 hvorefter corona kortvarigt sender FTI skarpt lavere. Da de negative følger af corona bluver meget mindre end forventet, stiger FTI i 2021 men sendes til det laveste niveau siden 1996 pga krigen i Ukraine, stigende energipriser, renter og inflation.

Opgave 3.3:

Fordelingen af forbruget i 2021:

