**운영체제 과제#1**

**KU CFS 보고서**

컴퓨터공학과

201610110

이한나

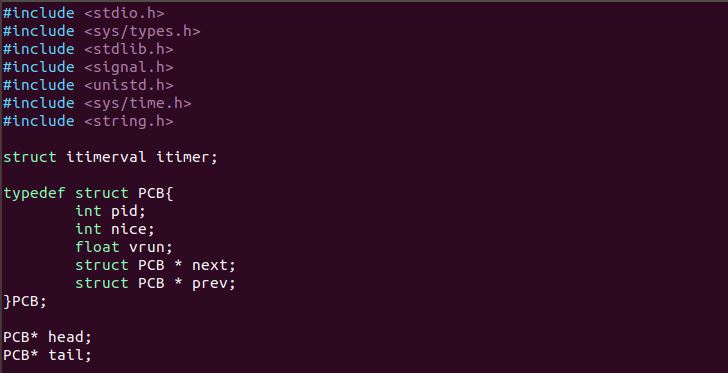
< 목차 >

A. 코드 설명

B. 구현한 함수 정리

A. 코드 설명

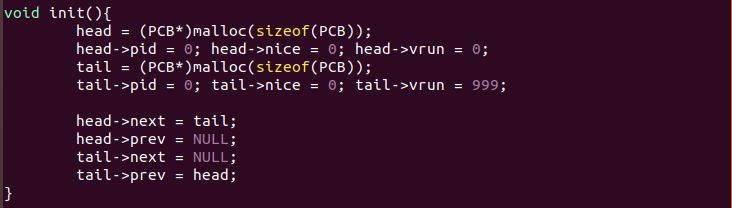
**<ku\_cfs . h>**



itimer 구조체를 선언한다.

PCB 구조체를 정의한다. 구조체 안엔 child process의 pid, nice 값, vruntime, 다음 PCB 노드, 전 PCB 노드가 있다.

연결리스트의 제일 앞을 가리키는 head 와 제일 뒤를 가리키는 tail을 선언한다.



연결리스트를 초기화하는 함수이다.

NULL <- head -> <- PCB1 -> <- PCB2 -> <- .... -> <- tail -> NULL. 의 구조이다.

head 의 pid, nice, vrun은 0으로 초기화 하고, tail의 pid, nice도 0으로 초기화 한다. tail의 vrun은 다른 PCB들의 노드들보다 훨씬 큰 값을 설정하려고 999로 했다. PCB를 리스트에 넣을 때 vrun값을 비교하면서 넣을 것이기 때문이다.

![그리기이(가) 표시된 사진

자동 생성된 설명](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAkACQAAD/4RDcRXhpZgAATU0AKgAAAAgABAE7AAIAAAAKAAAISodpAAQAAAABAAAIVJydAAEAAAAIAAAQzOocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAOydtO2VnOuCmAAABZADAAIAAAAUAAAQopAEAAIAAAAUAAAQtpKRAAIAAAADNzUAAJKSAAIAAAADNzUAAOocAAcAAAgMAAAIlgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADIwMjA6MDQ6MjQgMDU6MjM6NTIAMjAyMDowNDoyNCAwNToyMzo1MgAAAHTHXNWYsAAA/+ELHGh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8APD94cGFja2V0IGJlZ2luPSfvu78nIGlkPSdXNU0wTXBDZWhpSHpyZVN6TlRjemtjOWQnPz4NCjx4OnhtcG1ldGEgeG1sbnM6eD0iYWRvYmU6bnM6bWV0YS8iPjxyZGY6UkRGIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iLz48cmRmOkRlc2NyaXB0aW9uIHJkZjphYm91dD0idXVpZDpmYWY1YmRkNS1iYTNkLTExZGEtYWQzMS1kMzNkNzUxODJmMWIiIHhtbG5zOnhtcD0iaHR0cDovL25zLmFkb2JlLmNvbS94YXAvMS4wLyI+PHhtcDpDcmVhdGVEYXRlPjIwMjAtMDQtMjRUMDU6MjM6NTIuNzUxPC94bXA6Q3JlYXRlRGF0ZT48L3JkZjpEZXNjcmlwdGlvbj48cmRmOkRlc2NyaXB0aW9uIHJkZjphYm91dD0idXVpZDpmYWY1YmRkNS1iYTNkLTExZGEtYWQzMS1kMzNkNzUxODJmMWIiIHhtbG5zOmRjPSJodHRwOi8vcHVybC5vcmcvZGMvZWxlbWVudHMvMS4xLyI+PGRjOmNyZWF0b3I+PHJkZjpTZXEgeG1sbnM6cmRmPSJodHRwOi8vd3d3LnczLm9yZy8xOTk5LzAyLzIyLXJkZi1zeW50YXgtbnMjIj48cmRmOmxpPuydtO2VnOuCmDwvcmRmOmxpPjwvcmRmOlNlcT4NCgkJCTwvZGM6Y3JlYXRvcj48L3JkZjpEZXNjcmlwdGlvbj48L3JkZjpSREY+PC94OnhtcG1ldGE+DQogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgIDw/eHBhY2tldCBlbmQ9J3cnPz7/2wBDAAcFBQYFBAcGBQYIBwcIChELCgkJChUPEAwRGBUaGRgVGBcbHichGx0lHRcYIi4iJSgpKywrGiAvMy8qMicqKyr/2wBDAQcICAoJChQLCxQqHBgcKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKir/wAARCAF1AtoDASIAAhEBAxEB/8QAHwAAAQUBAQEBAQEAAAAAAAAAAAECAwQFBgcICQoL/8QAtRAAAgEDAwIEAwUFBAQAAAF9AQIDAAQRBRIhMUEGE1FhByJxFDKBkaEII0KxwRVS0fAkM2JyggkKFhcYGRolJicoKSo0NTY3ODk6Q0RFRkdISUpTVFVWV1hZWmNkZWZnaGlqc3R1dnd4eXqDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uHi4+Tl5ufo6erx8vP09fb3+Pn6/8QAHwEAAwEBAQEBAQEBAQAAAAAAAAECAwQFBgcICQoL/8QAtREAAgECBAQDBAcFBAQAAQJ3AAECAxEEBSExBhJBUQdhcRMiMoEIFEKRobHBCSMzUvAVYnLRChYkNOEl8RcYGRomJygpKjU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6goOEhYaHiImKkpOUlZaXmJmaoqOkpaanqKmqsrO0tba3uLm6wsPExcbHyMnK0tPU1dbX2Nna4uPk5ebn6Onq8vP09fb3+Pn6/9oADAMBAAIRAxEAPwDye+1eewnEUKRspXd8wOc/n7VW/wCEkvP+ecH/AHyf8a07fSLfW9SvLWR5Fu1095rNUIxJImWKkY5yobGMcgVJZ+ELW4l0W2nuZobi7tJb+9OAwigUFl2rj7xVCeT/ABLTXKlr/W/+R0SqUotqW/8AT/rzMj/hJLz/AJ5wf98n/Gj/AISS8/55wf8AfJ/xq9e6TojaJBrml/b/ALEl6LW6triRPM5XcCjhccgHqpwfWp/HKi61fSXgeZ1udMt2jW4KFkBBAXKIoOMdcZp+62lYFODklbv+Bmpr+oShzHbxuEXc21GO0ep54FM/4SS8/wCecH/fJ/xrsINM0bRI/FmlWTX02oWelvFcTysghciSPdtUDcMHpknI9K84ojyyeiHRlCrdpbf5J/qa/wDwkl5/zzg/75P+NH/CSXn/ADzg/wC+T/jXTeBvA1p4itbY6rZahEt7c+RBfJf28EY6DIilG6UgnkIfbrVa28MaLo+iyan4okv5w2pS2FvDp7JGcxAF5GZw3HzDCgc88irUI3s/62/zNLQ6L+tf8mYs2vahbzNFPbRxSKcMjxspH1BNEuvajCVE1tHGXUOu+NhuU9COenvXdeMtC0qfxr4y17X3vDYWN9FAkFmyrLLJIpI+ZgQoAQk8HtT9U0zTdY+KXhq3aOWTTF0S1uPKmILyRR25k2MRxkhcHHrUpR5U2v6tcVo66dP8v8zgpNf1CIqJbeNCyhl3IwyD0PXpTP8AhJLz/nnB/wB8n/Gn3XiB9Z8UnV/EHn3AZ9xS3kWMoB9xU3KwVV4AGMYGK1fFVgL74rTWU08rrdXcKNK4QPhwmT8qhc8+gosrpWJk4QnytdG7+hj/APCSXn/POD/vk/40f8JJef8APOD/AL5P+Na2teH9GTS9VudFa+STSbxbadLuRHEoYsAylVXHKdDnr1qz4nHhyPwzoTW2m30c81gzRP8Aao8A+c4zIBEC5yOxHGB2zU3i0rL+rXIVSDaSjvp6dTA/4SS8/wCecH/fJ/xo/wCEkvP+ecH/AHyf8ayKK05YnR7OPY1/+EkvP+ecH/fJ/wAaP+EkvP8AnnB/3yf8a19E0Xw6vgp9e8RjU5c6iLJI7GaOPYPL37zvRt304+tdH4T0W08NfFmbQ2uL155YmWzvbdolAikgL5eOSN8kqQMAjBz1pOMVdW/q1ybQte39XscL/wAJJef884P++T/jT317UY445JLaNUkBKM0bAPg4ODnnmp/Ceg2eryaldavNPHp+l2hurgW2PNk+ZUVFJ4BLMOSDgZ4rZ8eHT28IeDToyXUdmbS58tLt1eQf6Q2csoAPOewocYq2n9a/5D5Y3tY5z/hJLz/nnB/3yf8AGj/hJLz/AJ5wf98n/GsigdeelPkiPkj2Nf8A4SS8/wCecH/fJ/xo/wCEkvP+ecH/AHyf8a1vFr28/hfw1PYm6W2MU8ccNy8bmMLJ/eREzkknnNW4fCehzfYNOEmoLql9pf26OYuhhDbGfYU27sfIRnd36VneKV2u/wCH/DHN7WmoqUl3/B6nPf8ACSXn/POD/vk/40f8JJef884P++T/AI1uaKNAHw51CbUdPvJpo72BZJIbmNGORIRtJjYqMDkc5OOlcdKYzM5hVlj3HYHOSB2ycDJ/CqSi21bY0p8s3JctrOxq/wDCSXn/ADzg/wC+T/jR/wAJJef884P++T/jWRXR+DNE0/Wr3UTrDXX2Ww06a9ZbV1R32Y+UFgQM59DVcsbXNHCK6FP/AISS8/55wf8AfJ/xo/4SS8/55wf98n/GtnVNK0HRrjQNatV1KbSNSheYW7zRrcRPG7IR5mwqRuAOdnI4xVrxtpE+sfGe50uG5eWe/uoI1muAgOZETltiqvG7sB0oUE2kl3FaC1aOc/4SS8/55wf98n/Gj/hJLz/nnB/3yf8AGtDX7PwtbTTaZoS6vPfwz+SLq5ljWGUhsEiMLuUHtlj710+t/DPSNHsdTt5NQ8rUNOt2k+0S6naGO4kUAtEsAbzVJ5AJyeOQM1No25ug+WCdmtTiP+EkvP8AnnB/3yf8aP8AhJLz/nnB/wB8n/Gsiiq5Yj9nHsa//CSXn/POD/vk/wCNH/CSXn/POD/vk/410HgC70/T9P12/mgvDe2tnvSe3nRCimSNfk3I21+T83oSMd6m8HeI7+8+IwMN9fC3vd4lSe43tKqxNtDkABsfSs5WV7LY5ZVLc7UNI+e+l/yOZ/4SS8/55wf98n/Gj/hJLz/nnB/3yf8AGn+HNHttTa/udSlljstOtjcTCADzH+YKqrngElhyc4q9c+GrSeXRLrQ4r66tNVd0FqzL56NGwDqGA2ngghsD3HFU+VOxpKdKMuVr+rX/AC1M7/hJLz/nnB/3yf8AGj/hJLz/AJ5wf98n/GtjxF4X0/SNLsNUiS5SCW6a3uLZr2GdvlAbKyRjaMgkYIyCO9P8eroMN5DFp9hdwXJsrV1Y3EZiCmJTygjBLY6nPJ5x2qU4vZERqU5tKMb3v+DsYn/CSXn/ADzg/wC+T/jR/wAJJef884P++T/jWRRWnLE6fZx7Gv8A8JJef884P++T/jR/wkl5/wA84P8Avk/41u6Z4It9bs/C8+mzTbdSupLTUC7Ai2dCGLDjhfKO7nPQ03TtD8MyaZr+tXh1SfTrC9it7WGCaNJJFkL7WZ2QjOEHRe9Jxiv69PzvoTyw7f1r/kYn/CSXn/POD/vk/wCNH/CSXn/POD/vk/41eh0XStQ8OeJNXsvtkKadJbC1imlVjtkcqd5CjJ44xituDwRoqawEvZb97SLw2msyrFIiyM5jViisVIAyeMgn60csUrtf1a/5D5YXtb+tF+pzCeIb6SRUjhid2OFVUYkn0HNI3iK9RirwwqynBBVgQfzq94l0mx0iDRNZ8OT3kdrqULTRLcupmgkjkKEb1AB5AIIAq54yU63Y+HfEJWNL7WIXjuzkIss0UmzzTnABYFST0zk0cq7dbByw7GJ/wkl5/wA84P8Avk/40f8ACSXn/POD/vk/410fxCvdQ0yHSfDAu5I7O10y2ae0hk/cNMQXLjHyufmHzjOexrhaOWN2ChFpOxr/APCSXn/POD/vk/40f8JJef8APOD/AL5P+NZFFPliP2cexr/8JJef884P++T/AI0f8JJef884P++T/jWRRRyxD2cexr/8JJef884P++T/AI0f8JJef884P++T/jWRRRyxD2cexr/8JJef884P++T/AI0f8JJef884P++T/jWRRRyxD2cexr/8JJef884P++T/AI0f8JJef884P++T/jWRRRyxD2cexr/8JJef884P++T/AI0f8JJef884P++T/jWRRRyxD2cexr/8JJef884P++T/AI0f8JJef884P++T/jWRRRyxD2cexr/8JJef884P++T/AI0f8JJef884P++T/jWRRRyxD2cexr/8JJef884P++T/AI0f8JJef884P++T/jWRRRyxD2cexr/8JJef884P++T/AI0f8JJef884P++T/jWRRRyxD2cexr/8JJef884P++T/AI0f8JJef884P++T/jWRRRyxD2cexr/8JJef884P++T/AI0f8JJef884P++T/jWRRRyxD2cexr/8JJef884P++T/AI0f8JJef884P++T/jWRRRyxD2cexr/8JJef884P++T/AI0f8JJef884P++T/jWRRRyxD2cexr/8JJef884P++T/AI0f8JJef884P++T/jWRRRyxD2cexr/8JJef884P++T/AI0f8JJef884P++T/jWRRRyxD2cexr/8JJef884P++T/AI0f8JJef884P++T/jWRRRyxD2cexr/8JJef884P++T/AI0f8JJef884P++T/jWRRRyxD2cexr/8JJef884P++T/AI0f8JJef884P++T/jWRRRyxD2cexr/8JJef884P++T/AI0f8JJef884P++T/jWRRRyxD2cexr/8JJef884P++T/AI0f8JJef884P++T/jWRRRyxD2cext3Go3Gk+IbPULJgs9ttkQkZGQx4Pt2pJfFepSeKjr6mKK73cIifulTbt8sKc/Jt+XHpVbW/+P1P+uY/mazqUUmkxezhLVrpb5Gxq3iOfVLGKySzs9Ps4pDKLezjKq0hGC53EknHHXA7UXniSa/0W2sLqys3ktY1iivNjCdY1OQud23Az6Zx3rHop8qBUoK1lsdNc+Ob66s7tJrDT/tV7B9nub5YmE0qZB5w23PyjnbniuZoooUUthwpxpq0VY6nRvHt3pFlp1vJpWmaj/ZcplsZbyOTfbktvOCjrkbucNmo7HxveWsN3b3un6dqlpdXRvDbXsTFI5j1dCrKy5HGM4OBmuaoqutyuVHVf8LA1OTWdWvry0sLyLWGD3ljcRMYHK/dIAYMpHYhs8mmP46v38Zaf4hFraQSaekUMVtArCLykXaI/mJOCuQck9a5iuj8GaLp2s32onWftRtbHTpr0payLG7lMfLuZWAzn0NJWWvb9BNL79PvM/xD/ZB1qWTw60/2CUCRI51w8JPJjzn5tp43d6uXni65vr2yvprCwF9aSRyG6SNg85jAC7/mwegzgCt7/hArHVbvw9Lo1xdWVlrKTySLqG15LZIeXfKhQ67QSOBkjFULTTfCeueJtI0nRRrMQu7+K3mlupYm3RswUsoVRtbnodw96FG7SImoS96Wtl/w/wDX/AMaXxDdy2urQNHCF1W4W4nIU5VlZmAXngZc9c9qlPiWWTQItKutPsblbdHjt7mWNvNhViWIUhgDySRkHGa6Txh4IsND8PS6jFY61o80d99ljt9XKsbtcMTJGQiHAwM8EfMOak1n4fadpvw/t9ci1YSSEtIT9nmDSI+PJBQr+7BKy/MThsDGaj3eW/p+Wn4ByQulbr+Wn/APPa6G08L2NzZxTyeL9CtXkQMYZvtW+Mns22AjP0JFc9XWaP8AD6+1nTNPu49U0u2k1N3jsbW5mdZbhkbaQuEKg5wBlh1rToXJpbs0bPxHpfhrwPcaMI9J1+6XWBOqzwzNC0fk48xT8h+9xg+/GK55PF+rr4zXxQ0sb6kJvNy0Y2HjG3b/AHdvy49KfpnhC7vrSa7vb2x0i1inNt5+oSMoeUDJRQqsSQMZOMDIyalu/AeuWYuFaFZriC/SwNtATJI8joXQqAMMpUcHP4UuvN6fov8AILRS5fX9WJB4zuLPXZNR07S9Ms45oDbT2EULG3njPJDKzEnJx3GMDGMVBr/iaXxEmn28ljY6baWCNFBDZI4RAzlmPzsxPJJ61T1HRbnS7HTrm6aPGoQtNGik7kUSMnzAjg5Q9M8U7w/odz4k1620mxeJJ7kkK0zFUXCliSQCegPajT7v6/zG7LU0vGuqaLqWpWS+HrKG3gtLKO3llhg8kXMi53S7ckjOe/Jxk1zddFqXgu+s4LO4sLqz1m2vLj7LFPpzs6+dxiMhlVgxzkZHPak1vwkdAhk+165pE15C4SawtpnkljbOCCdmw474Y0IE1ZJFaPxHMPDq6PcWVndRRFzBNMjeZBvxu2kMB1GeQali8W30WqWN+sVuZbGy+xRgq20psZMnnrhj6DpxXU+O/AKw67q1x4fudMaKzgjuJNMt5W8+CLy03OVK4IycnDEjOSK85qbRZkqdOSvbe/47mvo/iGbSLS6tDZ2l9aXRRpILtGK7lztYFWUgjJ796y5pPNneQIkYdi2xBhVyeg9q1rHwd4n1Ozju9N8OateW0mSk1vYyyI+DjhguDyKyp7ea1uJLe6ieGaJikkcilWRgcEEHkEelVZX8y4xim5LqamkaHa6pbPLc+IdK0tlfaIr3z9zDHUeXE4x9TmrfnnwfLdJpeq6VrA1KxltJntlmIiR8Z++iHdxx1FM8G6NaavrE0mqlxpun20l7eCM4Z40H3AexZiq57Zq54esNK8T+INZu9StJLSxtbGe/Fpp0gjxsxhFZw2Bz1IND/R/d/Vx3/Nff/VjFv9cudR0fS9NmSJYdMSRIWQEMwdy53c4PJ7AcVoav40vdYms7qWzsbbUrVo2/tG2jZZ5TGoCliWK5GB0UdK2/+ECsdVu/D0ujXF1ZWWspPJIuobXktkh5d8qFDrtBI4GSMVQtNN8J654m0jSdFGsxC7v4reaW6libdGzBSyhVG1ueh3D3pq7dlvf9f8xNxtcp634vbXYZTc6Ho8F7MweW/toXjmds5Jxv2Ak9cKKfq/jWfXLORdU0fSpr+RFR9T8l1uHxjkkPsLYGM7cmtnxh4IsND8PS6jFY61o80d99ljt9XKsbtcMTJGQiHAwM8EfMOak1n4fadpvw/t9ci1YSSEtIT9nmDSI+PJBQr+7BKy/MThsDGai65b9B6XRhafqeiWfw/wBVsrm0hu9XvpoxbyGD57RUOWYSE/xDjaB9T0rmq6rSrHT9f8F6jBHarBrGjxm8SdCf9Kg3AOrjpuXcCCO2RU+m/Da/1HRrfUjq+k2kc0AufLuJZA8cRlMSu2IyMFxt4JPIzgc1fX+v66fmCkkv6/rt/wAOc5YatPp1nf28CRsl/AIJS4JKqHV8jB65Udc03SNUudE1a31Gy2+fbtuUOuVPYgjuCCRWlb+FGbWL7TNT1fTNIurKYwOt68gDuCQQpRGHBHU4HIrd8HaBa2/xCk8K+KtFt7yVpHid2nlVoCiM2UMbqDnA6g8VOlrilGNpJrff8jAh8UTWurSXtlp1hbRzQmCazjjYwSoeSGDMT1wevGBjFSN4y1EarY3lrDa2qaerJb2kMX7lFbO8YJJO7JySSfemeDjYP4qsrXVdLg1K3u547do5pJU2bnA3AxspyBnqSOelPufDk2ofEC+0HQoACL2aKFGfCxojNyzMeAFGST2FHKrr5/1+Jm6VJt3W36kGqeJH1LSotOi02x0+1inafZaLINzlQpJLu3YDpS6j4ll1XTIbW80+xaeGJIVvRGwmKJwoJ3begAztzirGpeC7+yhtLixurLWLe7uPssc2nSM6+dx+7IZVIY544wexNJrnhI6BBJ9q1zSJryFwkthbTPJLG2cEE7Nhx3wxpWiUqdNWstjnq6ZfCWnsoJ8beHlJGcH7Xkf+S9P1yxsNA8KaZZG1SbVtShS/nuXJzbxNny40HTkfMxPqB2qo/hSWDR4L++1TTrNrmA3EFtM8nmypyARtQqMkHALClOpGGku9jRe9aw/SfF2p+GtL1fR9Nlt5bbUB5bylCSmAVLxE4KllZlyR0PQVQt9bubbw7e6NGkRtr2aKaRmB3howwXBzjHznPB7VqWWi2cvw/wBU1LNpcXkLwnieVZbVS5XBTZsbdx/FwPyqn4d8OHxHdrawapZWlzJII4obgTFpSfTZGwx9SKj20LScvs6P5Wf9f5DskJ4f8S3Ph8XkSWtpfWl9GI7m0vEZo5ADuU/KVYEHkEEVfuvHuo3WpXV2LOxg+06X/ZXkxI4SKDaFG3LE5AA5JNVIfCtxNf6jCL+wS1059k+oNK3kZJwNpC7myQcALngmpP8AhCtSOs/YRLaGP7L9s+2+b/o/kf8APTdjOO2MZzxjNDr0tm+n6f5P11Dls/P/AIb/AIBUn1mTVNP0fSr4xwWmnb40mjjJYLJJvZmGeSCTgDFWfFmt2mqXNnZ6PHJHpOlwfZrQS/fcZLNI2OjMxJx24HakufCstnf2EdzqNj9ivwTBqMbu8DAHB6LuBB4wVzyO3NbHj7S9C0O6l0zR4tPaaCfyjJFPcvcDA58wOBHyf7vSp+sQc4wim73en3a/eCjqVPFF3pmsaLo17aapELqz0+GymsHikEu5CwLBtuwrgg/eB9q5Sup8Z2NhoD2vh21tUN7Zor6hesSXkmdQTGOwRMgdMkgmug1bwN4dS91zStMOrRXuj2H217q5ljkglwiuVKqilCd2Acnmui+8vV/qyYtJRX9dkebUV2N3oXhrw9p9jF4hfVLjVL20S7K2TxpHbI4zGG3KS7EYJAK4z1Nb3h74b6Zq3h/Qrqex15/7Ujle41O2ZPsliFkZcyAx9AF3HLj2oel/6/rYOdWTPMKK6fwfBpN5r0mg6tCksWpsLa3v1yHtpc4jkHqpJAYHsfaqmivY6N4ne18S6et3aB3tbpNxDxc4LoR0ZSMjPHbvTWrsuo27X8jDora1jw3LpfjSfw8Z4i6XQgSeRtiEMRtcnsCCD7VU1vSZdC1u70y4nt7iS1kMbS2sm+Nj6q3cUk7pPuPqUKKKKYBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAaOt/wDH6n/XMfzNZ1aOt/8AH6n/AFzH8zWdUx+ES2CiiiqGFFFFABRRRQAV0fgvxP8A8Irfaldo9zFcT6dNbW0tscNHK2NrZyMAY6jn2rnKs2Gm32q3QttLsri9uCMiK2iaRyPXCgmjpYTt1NrSPGupWni+313WJ7jWJEVoplup2ZpYmUoybjkj5WOPSrlpqXhHQ/E2kator61MLS/iuJYbuGJdsatuKqVc7m46naK5u80vUNPv/sN/Y3Nrd5A+zzwsknPT5SM81PceG9ctLyCzutG1CC5uBmGCS1dXlHqqkZP4UJ2aaE4p3TOm1jxToq+HdY03RptWvm1a5SZm1CNIktgrFvkVXfLHON2RxniuMa7uHjMbzyshCqVLkghegx7dvSiG1uLlZmt4JZVgTzJSiFhGuQNzY6DJAyfUVFUpJaFBXYWXi2xtoPBaPFcE6DePPc4VfnVplcBOeThT1xzWC3hzW10kao2j6gNPI3C7Nq/lY9d+MfrTdM0HWNa8z+xtKvtQ8v7/ANltnl2/XaDirTs79iZKMlqdvpHxIht9Nv8ATZdQ1zSIZdSlvre60l18wiTqkiF1BHAIIbg561X0n4jf2S/iGcz6hqF7dvHLp17dkGSOVFaMSSfMeRHI2MZ5ArJsfBGoan4Nl1TTrK/u76HUjZyWlvbs5RRHuLEAEjB4rmHR4pGSRWR1JDKwwQfQioSSdl5fkv8AgBaMrvz/AFO08Tz3nxF19bnwl4f1Ga3tLWONoLa2aUxMSzv9zOFLs+M9qvfDzw1reh/ErRZde0XUtOgkeVQ9zavFu/cvkAsACcVwEBuAHNsZQFXc5jzwPU47c1JDHfancx2tulxeTyHEcMYaRmPsByadraIGtLNnXjxhpPh7T9Os/CUd7OLfVI9Umm1FEQs8YwkYVGYbcE5OcnPQVm+IrjwnfNc3+jNrEN7cS+b9kuYomijLNlh5ofcw5OPlHvWVdeH9ZsdQhsL7SL62vJyBDbzWzpJIScAKpGTk+lWvFfhxvC+pwWUklw8klrHO4uLKS2aNmHKbXAJwRjd0NHZ/1/WgJJOy/r+rnWav448OPqGsa3pMOqPq2q2Js/KuY40htw0axuwKsxc4U4yF615xXUaL4Iv7/RdU1XULO+tLO0057u3uGt2WKdg6KFDkYPDE8elcvRs/68/+CEbW0/rRf8A6PTPE+n2GnRW0/hixvZIwczy3d2jPznkJMqj04ArBupluLyaaOFYEkcssSMzBAT0BYkkD3JNRUU+tykrHTeBtRsrTVruw1WYW1lq9lJYS3BGRAWwUc+wdVz7Zqfw9q83w/wDEOtJPJLHffYZ7OGaxkVtkrY2uHB+7xnIyfauSq1p+m32rXQtdKsri9uCMiG2iaRyPXCgmjf7rf197Jsuvr/X4GzpHjXUrTxfb67rE9xrEiK0Uy3U7M0sTKUZNxyR8rHHpVy01LwjofibSNW0V9amFpfxXEsN3DEu2NW3FVKudzcdTtFYcXh3V312PR30u+S/c4Nr9lczAdSfLxuOBk9O1O8TaKPD/AIlvNKSeW4Fs4USy2z27PwDkxv8AMvXoaE7NNA4p3R0eseKdFXw7rGm6NNq182rXKTM2oRpElsFYt8iq75Y5xuyOM8VxjXdw8ZjeeVkIVSpckEL0GPbt6V0Y8E39r4L1PXNXs76wa2kt1tkuLdo1nWQtkgsBnG0dPWufewu4rGK9ktZ0tJmKRTtGRG7DqA3QkegqUktP62GmmdPoRi8P+DdW1a5ni+06tbtp1jbK4LlSw82VgPuqAu0Z6lvao7rxi39m6RZ6e00UUGnJZX6tGp80LctMNp5OOV54OQR068pRVX1v/XX/ADYuVdf62/yR6ZF8RNKN5rzw3Gr6M+o6rJfR32nwxtO8TZxDIC64A68MRkng1lSeObP/AIXE/i5ba4eye5LmJtolKFNh7kbsEnrXEUVKilb+v62DlWvmbT3mlaT4ns77w+15c2trLHMPtsaROzK27GFZhjgc5rfbxXoGnePm1/R4tRuba9a4+3W12iRsqTBlZY2VmyQHOCcdBxXDUU/+D+O42rnbjxhpXh+x06z8IxXs6W2qR6pLNqKojO8YwkYVCwCgE5OcnPQVm+I7jwnfm6v9GbWIb24lMn2W5iiaKMscsPND7mHJx8o965qii39fd/kgStt/X9XZ2HiQw+IPCuk67aTxefY20Wm39szgOhTIjkAPLKyADjoVOal0fxRo+n+H/sV7PqmoRGB1OmXFvE1usjA4ZJCxZMHB+VQeOtcVRWVWjGqrS73HH3beR0HhzV9Ns9N1bTNaF0trqMcY820VXeNkfcPlYgEHkdaueG9X8P6TZ6ss02p293dfuLa6gtY5WigP3uDIuHYYBIzgZx1rk6KmeHjPm1etr/L/AIYZ2PhrxZaeHV1XTre81WCwvWRor202xXMbJnGU3YIIYgru9OaF8X27a1fDUrzVtW06+svsck90V+0ou4OCo3EcMM4zyCa46ioeEpOTk93v/n+AXtsdFret6fNY6VpejR3P2HTmkk826CiSV3YFjtUkKMKABk/WqfijVoda8WajqlmsiQ3Vw0saygBgCeM4JGfxrJorWnRjTaa3V/xd3+IHX+PfI1i8h8WWE8UkOrAG4hDjzLe5VQJEZeuCfmB6ENR448e6j4o1S4S21LUhozCMRWM8xCLtRQfkDFfvAmuQorWy2JStbyOyu9c8MeItPsJfEK6ra6pZWiWjNYxxyR3KxjCMdzKUbGAcbs4zWhpPjDw/baZ4Za7udcgvdBD/ALmyijEdxmZpB+8MgKjnB+Q9689op9b/AD+f9MTgmrM7DwybbUvG1x4m1NoLHTbC5Oozxq4BJ3lkhjXqxZsLx0GScYrN02zbxd4umlvLmCyhmle7vLiVwqwx7tzkZ6nngDknFYNFJK1rdP6/yG03d9/6/wAzqNTvbfxl8S5bnaYrK8uwArTJEVgXAHzuQqnYvUnGazfFMGkWvirUIPDU0k+lxzFbaWQ5LKO+e4znB9MVk0UJWSXYfUKKKKYBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAaOt/8AH6n/AFzH8zWdWjrX/H6n/XMfzNZ1TH4RLYKKKKoYUUUUAFFFFABXV+A7+CwfxA891HbNJodzHCzyBC0h24Vc9WPYDmuUoo6Nd7/iJq56roPifS7a68C3us3sM0tvZ3lvNLJIXa2ZnkEJk2neoG4EYwQORUkviV9F1Xw9b3Efh+Owh1hLtpNN1WS8ZR91yS8r7FKnOOM4ryaijS9/63uR7Na/15Hq3iG/8K2Xg3WrXQLi0+2W6x6QGiIzfJ5iStcDH3huR1z6bK8pqS3ma3uY5kVGaNw4WRA6kg5wVPBHseDXQyeOtQliZDpnh8BlIJXQrRSM+hEeQalKyL1R6NA39lah4U1y/wBbsrXSbfw9Et3ZPdjzbhSjgxiDq4bIGcY9elcvG51/wDoun6DrtjpcunvP9ssrq+W08x2fcsoZiFf5cL1yNvSuI1DVb3Vfsv2+bzfslultD8irsjXO1eAM4yeTzVOm1dt+f6t/qTGFkvl+Vj0XRI5rr4e3Ok2XiHT7C/i13z5Hn1NIA8Yi271Ykbxu54yazPFfiHSLn4k6hqkdhb61ZuFQidpI0ncIqtL8jK3LAt1781zn9jXf/CO/23hPsf2r7Jnd83mbN/T0x3qhR9q/9bL9BqKt/Xc6Tw9qsNt4nn1CDVZfC8G1mAsUkmJXI/dKC3zA/wC22OOTXZeGdf0nxB8WtAOj6Utg8YmWa8fZG90xib53jjARMc/dHfkmvKauaVqt7ompxahpc3kXUOdkmxWxkEHggjoTRYHG97dTsPEEo0v4dW+jahrNpqmpf2mbq3Fpdi5FtD5e1vnUkDc2Dtz/AA5OKZ4rW31TRvD+twajYTxWmmW9rc2rXSi4EiOwYeWTuIwc5xjFcNV/V9E1HQriGDVrY28k8CXEalg26NxlW4J6jt1o2180/uVvyDlW3r+Lv+Z6nq2owTXHjHWk8SWFxperaW0djai+USoS8ZSLyCdylQrDpjjg8147RRSSt/X9dxxVlb+ui/Q73w94g0Kz0G2gvr+3inQHej+ErO8I5P8Ay2dwzfiOOnauL1KWOfVLqWBg8TzMyMIFhBBPB8tSQn+6OB0qtRT63BKwV3Hwuge51DxBBFPFbPJoV0qzTSeWiH5eS3Ye9c/pHiW60W2eG2s9KnV33lr3TILlgcYwGkQkDjoOKluPGOqTSyvClhZGa1e0lFlp8EAkifG4EIgBPA56jsab2a7p/kJpv71+Zs+NLxIfD3hzS5dUg1LVdPSf7Rc2twJljR3Bji80cNjDHgkDditbX7nTIfihpni+W/sL7SJrq1laKG4WSZVVE3b4vvLgqeo5rzOihaO4nBNW8rHp2vSPaeCvFK3/AIlsNWfU9Qt57QQagszyKGkLMY87k4ZcggfpXNajY6uvwx0i+n1mOfSXvZooNOEpLW8gGWYrjHOc/wDAh61i6vomo6FcQwatbG3kngS4jUsG3RuMq3BPUdutQ3epXt9DbxXt3NPHax+VAkkhZYk/uqD0H0qVGysvL8NP0K3af9alaiiiqGFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBo61/wAfqf8AXMfzNZ1aOtf8fqf9cx/M1nVMdhLYKKKKoYUUUUAFFFFABXX/AA8jt/tut3VxZ2t21lo1xcwpdQrKgkXbglWBBxnvXIVNb3lzaeb9kuJYPOjMUnlOV3oeqnHUH06UdH6MTV/wPUtL0bRvEuveDb7UdPtbY6nZ3T3FtZwCOO4lhaQRgRqVGW2qCoK56cZpy3Phe58QeHoLnTC13/aywzNLoMdhC0DjaUZFdlZlYggkZ9a8sa/u3jt42upmS1z9nUyHEOTuO0fw888d6tX/AIi1vVWgbU9Yv7w25zCbi6eTyj6rknHQdKVlfy/4N/8AgEOD11PQdV8Eab4Y8HaxfZW6uobVLG6WZVb7NetLG5CccYiJGeuQ9eW1eXVLmaV11G7vLi2uLhZ7uMXBBnYE5Yk5BfBbDEHGTWvJdeBjEwi0jxAsm07S2qwEA9sj7PyKSutWXtod/YaZb3F94Y0Obw7YvpGo6Ik95eixVZYmKOWm88DcCuAeTjtjmuejQ+H/AADouoaFoVlqkuoPP9svbuxW78t1fasQDAqny4bpk7uvFYOt+ONU1XS7DTbe5vLKwtbCKzktUu2MU5TPzlBgc56YPTrWVpmv6xovmf2Nqt9p/mff+yXLxbvrtIzTerfr+r/r+rERi+VX8vyO70TUb6y+Fs8lpo1nf3EviLa1tcWCzqhMPRYyDt544GR2rH8V6NoFh8StQ0+4uJtL05ArMLWAXBgkKKzRhS68Biy9eMVhWWv+ItNt559O1bVLSG4kPnyQXMiLK5GfmIPJx681lMzO5d2LMxySTkk0W96/9bJfoUo2/rzv/wAA6Xw3YR3Hia5t9L02DX7II2Tft9lCxZH70sJAIyOOSxHPeuo0fQPCafE3Q7bSbmPVI5RK15ZS/wCkQwssbFVEpVRKMj+7jjqa8xqa0vLmwukubG4ltp0ztlhcoy5GDgjkcHFGoON7nZ6teRah4F0zxL/ZmmW2o2+rSWrfZrKOOKZBGjrviA2NgkjpyDzmmfEG2NxLoGpR2MNtDd6PbyzyWlqsURcswY4QBQegrjzd3JshZm4lNqshlEG87A5GC23pnAAzU51rVDpI0o6leHTg24Wfnt5Oc5zszjOfajr80/ws/wDMEmvx/O/4bHcePPN0HULvQdI8OWEWkJCogvTp6yzTxlQfO88gnnk5BAHTtW+9n4T0HS9Jt72wmurC80tJ5Xh0NJnnd0yzrdGUMhVuMAADbgg9a8tTxHrkelNpkes6gmnsNptFunERHpszj9KS18Ra1Y6fJYWWsX9tZyAh7aG6dI3z1yoODmk1o1/XUSi9P67amccZOOnauz8J+G9M1fSHuL6xnnkEpUNH4hsrEYwOPLmUsevXp+VcZRVFNXNPxFYwadr1xa2kTQwx7dqPeRXRGVB/1sQCN+A46dRWZRWno8uhxNL/AMJBZ6hcqQPKFjdpAVPfdujfPbpikths1vhrZ21/8Q9Mt7+2iuoGMhaGZAyNiNiMg9eQK0NWvItQ8C6Z4l/szTLbUbfVpLVvs1lHHFMgjR13xAbGwSR05B5zWFe6jo1q8Fx4Sh1nTbyNjmefUEkIBGMLsiQg8+p4rJN3cmyFmbiU2qyGUQbzsDkYLbemcADNG/8AXn/SJ5fev/XU7D4g2xuJdA1KOxhtobvR7eWeS0tViiLlmDHCAKD0FX/Hnm6DqF3oOkeHLCLSEhUQXp09ZZp4yoPneeQTzycggDp2rhzrWqHSRpR1K8OnBtws/Pbyc5znZnGc+1Sp4j1yPSm0yPWdQTT2G02i3TiIj02Zx+lDW9u7/H/IEmrX6HqT2fhPQdL0m3vbCa6sLzS0nleHQ0med3TLOt0ZQyFW4wAANuCD1rz3w+1yug+IBbeHItVia3XzbySEu2njd99SPuk/09M1nWviLWrHT5LCy1i/trOQEPbQ3TpG+euVBwc1Y0vxNd6PoOpaZYIkf9pqIrm43PvaIHOwDO3Ge+M8kZwTQ1rJ9xRi0kvQxqKKKZYUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAaOtf8fqf9cx/M1nVo61/x+p/1zH8zWdUx2EtgoooqhhRRRQAUUUUAFdH4M0TT9avdROsNdfZbDTpr1ltXVHfZj5QWBAzn0Nc5Wlo+uXOifbvsiRP9us5LOTzQThHxkjBHPHuPajo/Riev4HXW/gDTtb1vw//AGHd3MGmaxazXL/bGjMtuISwkG75VP3OCdo55xirp+Hvh+XUdFRL2W2W+1AWU1odUtLubDL8kqtDkAZ4IYcccmuStfGmq2K6J9jMMLaKsq27hM71kYs4cEkMDuIxgcGkvPFRm1CxvbDRNK0qeznE6tYxyLvcEEbtztxkdBilbXy/4P8AkQ1PU1Zfh9Ppnh271XWnKp/Zq3dqsL8iRpkQJJkddr7sDsV5ri66u/8AHes+ILbUNM1Ce1httXv0u5nKMFgYfLhcZIjAC5GCfkX8YZPCenpEzjxr4fcqpIRfteW9hm3xmkr7v+v62Lv0Z0Nt4I8OXU+iaKJtTj1nWdNS7huTJG1usjhiEKbQ2Plxu3cZ6VkxaD4f0bwzpup+KDqVzPqnmPb22nyRxCKNHKbnd1bJLA4AHQda09V+IcdnZ6Knh+006S9tdGitW1J7d/tFtJhg6oSQvAPDbTjJwa5/TfGdxZ6NFpV/pemaxZ27s9umoROxgLcttZGVsE84JIz2pvd27/q/+B/WpEeblV/L8v6/rQ6HSm8Pr8JZjrcOpSWR8QfuVtJY0kH7jgsWUg4HYAZPpWFq/gq4tfG1zoGmXEM+xVmhluZ47cPGyB1JLsFDbWHGetJpnjaXTdNn0+TRNIvrSW8N6kN3FIywyY2/KFccY4w2RWNq+rXmu6vcalqUvm3Vw+52AAHoAAOAAAAB2Ao+1f8ArZIqKaVvX87lqz0ywh1ufTvEV5LabMxiazRLpVkyMZ2uAy9eVJ9s10sHw3Nj4s0jTfEF0BZa0rrZXVuxjYuRiMskih1BcqDlRkE4PeuS0jW9R0G7a60e5a1uGQx+aijeoOPukjKnjqMH3qvJfXU199smuZZLreHMzuWct65POafa4NS1sb134Zh03wnaXmomeLU73UJLeGDICrDH8rsRjOd52jn+Fqs+NNJ8NeH9UvtE02LVpNQsp/Ka5uLiMxPjqRGIwR7fMaz/ABR4w1LxbrUWp6osCSwxqiRwR7IxglicZPLMSxPck1R13WbjxBr15q16kaXF5KZZFiBCgn0BJOPxpa6X/ra36jSZ1V/4I0218TeK9OjnujDo2mm7t2Z13O/7rh/l5H7w9MduauW/gjw5cf2ZpXm6omsalo/9oxXHmRm3V9jv5ZTZux8hGd3fpWPc/EbUbvTruGbTdLN3e2YsrnURE4uJYhtwD8+zPyLztzxVSHxvqUGsaZqSQWpm02w+wQqUba0exky3zZLYc9CB04pO9rL+t/8AgExUuv8AW3/BOcra0nQbXU7Mz3HiPSdMYOV8m8+0byPX93Ewx+OeKxa2dJ8YeI9Bsza6Lrl/YW7OXMVvcMilj1OAevAqinfoUNRtI7C/kt4b23v0TGLi23+W/GeN6q3tyBVWrWo6le6vfyXuqXU13dS43zTOXdsDAyT7AVZ0fSbfVWlFzrWn6V5YBBvvOxJn+75cb9PfHWkr2G3YseDtJsde8VWelanNJBFeFoY5Y2A2ylT5ecg8b9oPsetWrvwzDpvhO0vNRM8Wp3uoSW8MGQFWGP5XYjGc7ztHP8LVT1PSYNFEFxY+ItN1KXzMgWHnhoyOQx8yJB+RNS+KPGGpeLdai1PVFgSWGNUSOCPZGMEsTjJ5ZiWJ7kmmrXX4/n/wCdb3X9f1+hoeNNJ8NeH9UvtE02LVpNQsp/Ka5uLiMxPjqRGIwR7fMauX/gjTbXxN4r06Oe6MOjaabu3ZnXc7/uuH+XkfvD0x25rldd1m48Qa9eatepGlxeSmWRYgQoJ9ASTj8a3rn4jajd6ddwzabpZu72zFlc6iInFxLENuAfn2Z+RedueKlX5dd7fjYLO67f8ABNi38EeHLj+zNK83VE1jUtH/ALRiuPMjNur7Hfyymzdj5CM7u/SuO0qLQn0vVG1m4vIr5IVOnpbopSSTPIkJ5Ax6f/WN6HxvqUGsaZqSQWpm02w+wQqUba0exky3zZLYc9CB04p3h/XdM0fwrr1tdWaXl9qUS28AktlItwDnzBITkHqNoXng54xTe7f9bu34WErpJPy/4JzVFFFMsKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKANHWv8Aj9T/AK5j+ZrOrR1r/j8T/rmP5ms6pjsJbBRRRVDCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooA0da/4/U/65j+ZrOrR1r/j9T/rmP5ms6pjsJbBRRRVDCiiigAooooAK1/Dnh2fxJe3FvBd2tmttbPdTT3RcIkaYyflVj37Csiuv+Heo2WmX2tzakLaSJtGuUWC5lMazsduI8gg5PoDn0o6N+T/IUr9PL8yndeB9Vjv9MttPe21VNWJWyuLKQtHKVOGHzBSpXvuAwOafL4Kk/tSx06y13Rr+6vbpLQJa3Dt5TscAsSgyue67hWv4f8dwt4r0kajb22kaNaQ3FrFFZI5W289GVpfmZnY5YEkknA4qHRNCTwv430C/vdb0W4tU1SAmS01COXCBwS7AHKLgfxYoj8ST2/4P9f0iJSkk+9jM1nwXcaTpc2oQappuqW1vcC2uGsZHJgkOcBldFPO1uQCOK5uvUvF+opL4Q1e11m70FpWv0m0yHRZIdznc295RB8hGw8F/myeOpry2oi21r/WhodXa/DjxFeeGW1qGxlaLchRQuQ8bIzeZv+6ANuCCc5YetcpW5B4u1O28ONoUX2f+z3R1eIwKd7MwO8nu42gBuoHArDqur7Cje2p0Ph3wPrnijTdRvdIsLm4isYt58q3eTzW3KPLXaDlsNux6AmqaeF/EEtxdQR6FqTzWePtMa2chaDPI3jGV/GtvwFcRNbeIdLk1C3sZdR00xWz3U4ijMgljfBc8KSFPJxWr4e1weCdFupJLu1vb2z12zuPJtr1W+0IsUu7a65yvIBIBGTQ9PuX52JvLX1/S5xg8Oa42q/2YNG1A6ht3fZBav5u312Yzj8Kq32n3ul3bWup2k9ncJ96G4iaN1+qkA16zoF0utLAltqFutz/wh13FLLJcgCB/tDkB2z8uAR17Edq5LxvcxJ4c8O6Tcalb6pqdgk/2i4tpxOkaO4McXmDIbGGPBIG7FJtp2/rdr9Bxld/12T/U4uirelTRW+r2s1y6pFHKrOzWy3AAB5PlsQr/AO6Tg12HiTX9DvtBngsL63lnbbtRPCdpZE/MCf30bll/Ac9O9N6Id9bHCV1PiDwRf6VpWm6nZWV/c2F1p0V3Nd/Z2MUTvnK7wMDGB1PeuWr1ew8QWieLfDMb6tAtgPDJtrpTcgRBjBKDG/OAc7eDznFEtI3X9aMTbUvl+qPN7DQ9W1SCWfTNLvbyKAZlkt7d5Fj/AN4gHH40aZoWr615v9jaVe6h5IBk+y27y7M9M7QcdDXpvh3XbVvBvh1dHGhC+0lpGnj1PVJrJklMhYSKBKiSArgdzxjpWV4dk0y/g1TVSNLOtzamZDaXWqtYwRRHLb4yHTcdxIxu4AHBzT+1YnndrnCWWkalqV81lp2n3V3drnMEEDPIMdflAzxWl4u8Of8ACMahZWjGbzZtPgupUmTa0byJuZMdsHjnmu+1fVbDVta8c6fo2tWNjd6leQT29090IobmNAd8YmzgZZg3Jwdtc3471K0XxdpMszWmuCz0u0huVW5MkUsiR4dTJG2Tz3Bqb3S+X5MpNuT9H+aOJjjeV9kSM7YJ2qMnAGT+lEcbyyLHEjO7kKqqMliegArds9Tt5vF0N9YSr4TiXkS2TTSeRheSuWLknpjOOewrprvxboWqeItBWC03XFtqMMlzrt2kdvJMgcZ3RxgKB33MWbjrVrVpdxSk0np0OK1LQNZ0aON9Y0m+sEl/1bXVs8Qf6bgM0kmh6tDpaanNpd7HYOQFu2t3ETfR8YP512+oa5bXWj+N4brUI7qN9ahuLSFpw3mL5su5oxnkbSMkdiK3vF3iaGSLWtT0FfDs9hqVp5ALapN9pETAAJ9maXAZeMYTaNuRWfM+W/8AWyf/AAB3alynlA0bVGuobZdNuzcTxedFEIG3SR4J3qMZK4BORxgVs6V8P/EWteGJ9b0zS726gjmSKNIbWR2mzuyyYUghSuD6Eiuv0rVtPi8DR+E7jWbddXu7KR4NR81PKskch/sbS9g4U7jnClgvdqwPCxXUfAmuaHHqlnY3sl3bXEIvLtbdJEQSBwHYhc/ODjPNU+qX9a/1/wANYXM2k/6/pnJw6XqFzdzWtvY3MtxAGaWGOFmeML94soGRjvnpVWut8D6ZrF14nv7PQtdg0y6SzuN9x55CTIoyyhgDnIGc+gzXJUf1+ZfcKKKKYBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAGjrX/H6n/XMfzNZ1aOtf8fqf9cx/M1nVMdhLYKKKKoYUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAXNP1W90r7V9gm8r7XbvbTfIrb42+8vIOM46jmqdFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBZttSvbK2ubezu5oIbpQlxHHIVEqjkBgOo9jVaiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooA0Na/4/E/65j+ZrPrQ1r/j8T/rmP5ms+pjsJbBRRRVDCiiigAooooAKKK3fDnh9dftdTSIyG+t4onto1I2uWmSMg8Z/jHTFROcaceaWwGLFFJPKscEbSSN91EUkn8BTK9N8L+FV8N+MdFN9KZLx9QuoSYnBjeJIVIdeM87zg+mOK5nUtJ0MaHY67pa6gLN71rS5triVDJlVVso4QDlSeqnBHeuWOMhOfLHVaWf3/5DszmKK634gOkmoaPcQyXDRzaTbvGtwYy0a/MAuURQcAdcZqTxZqV7qvgfwtdandTXdwTdqZZnLMQJFAGTVxruSg7fE2t9tG+2uwWOOp8UUk0gSGNpHIJCouTwMn9K9Ctvh3pq2dpFqV75F1d2i3Bum1C1jigLruRWhZvMYYxkjHXgGszS5n8P/DO81axOzUNTvjpouF+9DCsYeQKexcsoJ9AR3qqWIp1ebke36u35i7ef/D/kcbRXd+AU0B/Dfilta067upYdPEm+G4jTannRDCbo22vk/e5GMjHepvCHhLw14maaaYarbW82p2+n2iLcRs8RlVzvc+WA+CnQBetdD0f9d7Ec6Sbf9aXPPqK9Fj8E+H31FbnzNT/sptDl1XyfNj88GORoym/ZtwSpOdveue8TaFp1npOla3oMt0dP1PzUEN4VMsMkZAZSygBh8ykHA69KV/6+9foVfW39bXOboorqvF0Nimk+FPsUUELy6SGuHjQLvfzpRufAyTgDk84Ap/52/P8AyC+tjlaK6K68LWNvZyzp4v0K4aNCwhiF1vcgfdG6ADJ9yB71ztIa1CiutttOtL3RdIRLeMXigzsQo/fx+aVYH1IAB+maqa7bQQ6Y7QwRxsNUuI8qgB2jbhfoPSqat/Xov1GtTnaK6vUbO2SXXQlvEoitLdo8IBsJMeSPQnJ/Osrw9DFPeXSzRpIFsp2AdQcEISD9RRYDLRGkkVI1LuxwqqMkn0FIysjFXBVlOCCMEGnRSyQTJNA7RyRsGR0OCpHIIPY11/jJTrdj4d8QlY0vtYheO7OQiyzRSbPNOcAFgVJPTOTS7E3s9TjaK7r4hXuoaZDpPhgXckdna6ZbNPaQyfuGmILlxj5XPzD5xnPY1wtLqwWqTCiiimMKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDQ1r/j8T/rmP5ms+tDWv+PxP+uY/maz6mOwlsFFFFUMKKKKACiiigArU0DxDfeG72a600xiWa3e3JdScBu456ggEH1ArLoqZRjOLjJXTA6OLxzq0d5o1yy28j6NA0FuHQ4ZSCMvg8nBA4xworLOsXDeHV0YpH9nW6N0Gwd+8oFxnOMYHpVCis1Rpx2X9av9WM2bzxLNqGhW2m3djZSPaxiGG9MbCdYwxYJndtxyf4c470ReJZl8Nro1xY2V1DGZDbzTRsZbcvjdsIYDtnkHmsaij2NO1rdb/MDoD4umn0uKz1HS9Nv3gh8iG6uIn86NOwyrAHHbcDipNB1nT/8AhHdR8Pa95qWlwwurW4iTc1vcqpAO3jKsDtP4HtXN0VUacYJqK3F28jX8PeIrnw5c3MkFva3cN3Abe4trtC0cqEg4OCCOVByCDxTrvxLNc6Xe6dDY2dnaXl1FdNFbo4EbRoygLljxhyTnJz3rGorR6/18xWW53fhTxvFZtKNZjtDHaaDcafaRSQuy3DM5cK4B7lmGflGMdOtc7r/iW58QLaRSW1rY2dkhS2s7OMpFFuOWIySSSepJJo8J6faan4ltLfUJbZYDIu6K5kkjE+WA8sNGjEE564/GmXGlxHxdc6Y80GnxpdyQ75Hd44gGIxkKWPTGdvPfFYyqR9pyvdK/4v8AHUEkk3/W3/AMmtLUtak1K306I2dnanT4BCklrD5bS4Od8h/ibnrXSePtL0LQ7qXTNHi09poJ/KMkU9y9wMDnzA4EfJ/u9KpeM7Gw0B7Xw7a2yG9s0V9QvWJLSTOoJjHYImQOmSQTRRrKtTVRJq+1/wAxtWdmQXPxA8X3tnLa3fiXVJreZDHJFJduVdSMEEZ5Fc7Xb+I/BOlaT4Z0jULXxHprz3Nk87xEzk3DCRl/dfuQAMAD5iOQe2DT4fhPq08MLJq2kedKIVW3M0gcSTR+ZFGf3eNzLkjnHGCRWuiv5EqUbI5a31y7tZtPlhEatp4Ii4PzAsWIbnnqR24qVPEEw89bi1tbqOac3HlTIxVHPUrgg/hk1q6Z8P73U9Lsbv8AtXSrSTUZJI7O1upnSSdkbaQDsKg5wBuYda5me1ntbqW2uImjmhcpJGRyrA4IP4076lJmjH4huRdXs9zBb3X21QsqSqwXAIIxtIxjApkGtfZdQ+1W2n2cQMTRNCBIUYMCDnL5zg9jTtF8Oah4h85NJWGaeIAi2M6JLLnP3FYguRjouTz0qSy8K6neSapC0f2W50u1a6mtrlWSUopAYKuOoBzg44BovYLlSW6tr65gR7W306LeBJJbq7YUkZJDMc49BitHxZrdpqlzZ2ejxyR6TpcH2a0Ev33GSzSNjozMScduB2ptv4Q1G5j0IxPb+Zr0rRWkTOQ3DhNzcYClsgHJ+6amuvCHkapZada67pN/dXV0tr5dq8p8lyduXLRgYyeq5o3sieZXv/X9aFjxRd6ZrGi6Ne2mqRC6s9PhsprB4pBLuQsCwbbsK4IP3gfauUral8LXsVjrV00tuU0a6S1uAGbLs7OoK8cjKHrjtWpq3w51HSrS+kOpaXd3GnxJNeWVtM5mgjbbhiGQAj5lztJxmldav5/fqPSNo/I5GiitfRvC+s68ryabZO9vH/rbqQiOCL/ekYhV/E0xtpbmRRW1a+D/ABDqPnNpGi3+qQwytE1xYWzzxFh1w6gg9j+IrNvtPvNLvHs9TtJ7O5jxvguIzG65GRlSARwc0rgV6K1/Dnh248SXs9vb3NraLbWz3M090zKkcaYyTtUnv2FXrnwLqkWsadYWktnfrqURmtbu2l/cyIpO9izBSoXa2dwGMU/6/r7hcyOaorrY/h5f3Vzp6abqml6hBfXJtEuraZzHHMF3bHygYEjoQCD61k23hnUp7G7vJIvs0FtZ/bN04ZfOj8wRfJxz8zY9ODzSuguv6+4yKKK6+L4calPY2rwajpkl7d2YvYNMEzi4kiwTkApsJwpO3dnjpTeiuF1exyFFdHpvg24vdGi1W/1TTdHs7h2S3fUJXUzleG2KisxAPBJAGe9bOleFLDU/hxPO+o6VYXUWteQL67kdVkTyuFUqpOCeeQPfFD/r70v1FzL+v68jg6Kvavo97oesXGl6jFsurd9rqp3A9wQR1BBBB9DTtH0W61y9a0sWt1nCFlS4uEh8w5HyqXIBbnpnmha7FN23M+it6x8Gazd+JF0Ge2bT9QdHdIr1GjL7VLbRwck4wOxOOaqroF23htdaZ4kt3vPsccbMRJI+3cSBjGACMnPVhRv/AF8hXRl0V0fiHwc/hvzor3W9JmvoJBHLY28krSoe+cxheO+GoufBGpWura1p0k9qZtFtPtdwyu210+ThPl5P7wdcd+aV1a4XRzlFdfH8OdRl06CaLUtLa7uLH7fDp3nOLh4dpbIBTaThScbs8VF4RsdP8Q2l9oE9qq6lLG9zp96pO7zI0LGFh0KsqnHcNj1oel/IOZNXOVorpfBWm2N9d6pc6pafbINN02a7EDOyJI64ChipBxluxB96wbyeK5vJZoLWKzjdsrBCzlIx6AuS35k09nYad7kFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAGhrP/H4n/XMfzNZ9aGs/8fif9cx/M1n1MdhLYKKKKoYUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAWNPuzYana3irvNvMkoXOM7SDj9K1vEl9o17r76loxvsXM73E8d1Gi7CzbtqlWO4cnk47cVg0Vm6ac1Pqg6NdzW8UatDrXizUdUs1kSG6uGljWUAMATxnBIz+NbPj7yNYvIfFdhPFJDqyg3EIceZb3KqBIjL1wT8wPQhq5CinGChBQXQHrK51d5rWg6t4N0y0v/7Rg1TSreS3hEMUbwTBpGdSzFgy4LEHANacfxDji8a6bfJ9pGjwSWE1xb+UnmO9vCI8jn/fx8wznn24Gir63J5Fa3yPUReeHbXwR4N1DX/7TZ7e4vJ4IbNIysuJwdrszArzjkBu/Fcb/wAJrrtv4i1PWNJ1C40y41KZ5ZvsspTO5i23jqATWBRSt/XqO29+pr6Pq9lp0txc6ho8OrXTkGE3UriONuclkUguenUgeoNa1p8QNTk8bWWva24u0gT7NJbxxqim2IKtEqgAAbWYCuSrW8MeG9Q8WeILbSdKheSWZwGdY2dYVJALttBwoyMmmldilazbN6bxlp5+JWkavbW9zFomjyW8drbkKZVgiIPIzjeTuY84y3Wudg1b7H4oj1e3Td5N4LlEfjOH3AGrF54P8R2Oqx6dPoWprdTFvIiazkDzBepRSMsPpVa88P6zp/k/2hpF/a+e5ji8+2dPMYHBVcjk57ClF2s0Npar+tDq9c8UeGpdB1+DQ11X7Trl7FdyR3cUYjt9jOxUMrkty55KjpSX/jfTbrxP4o1GOC6EOsaX9jgVkXcr4iGW+bAH7s9Ce3FcpqegaxoqxtrGk32niX/Vm6tni3/TcBms+kkrNL0/CwWu7/13Cul07xrcw6NBous2NrrOkW5JhtrlSrQ5OSY5Ewykn3I9q5qiqBpM6LTfEmmadHNGfDVreI8zPG1zeXIeNT0T93IinHrtyayNUvItQ1KW5t7OOyjfGIIpHdUwMcF2Zj68k1reHfA+ueKNN1G90iwubiKxi3nyrd5PNbco8tdoOWw27HoCapp4X8QS3F1BHoWpPNZ4+0xrZyFoM8jeMZX8aXUE1qWfC2uW2if2x9rSV/t2lz2cflAHDvjBOSOOPc+1buifEGDQz4Vkt4Lh5NIguoLrawjLLM7HMbgkghWzkgYIrlh4c1xtV/swaNqB1Dbu+yC1fzdvrsxnH4VVvtPvdLu2tdTtJ7O4T70NxE0br9VIBp7v+vP/ADYuVPQ7fUfHq/2zo95a+IfEmrQ2N8l28GrFcLtII24kbJxkZOOtWdd+INr4h0HUdC0zTLkS3FzHb6WqqCyWgKkREA5LF0RsDOSzfj5yiNJIqRqzuxwqqMkn0ApPmR+6sp+hBpWW39dA5Ve6N5/AXjCKNpJPCmuIigszNp0wAA6knbXd6hreg+GrjwprVyuoz6xaaDA1tboiC3ZirhWdy24YJJICnOByK89vdH8SafYLeajp2q2tpJgLPPBIkbZ6YYjBqtDoerXGlyalBpd7LYR533SW7tEn1cDA/Oh6q39bNfqKybu/62/yOhi17w9rPhnTdM8TjU7a40vzEgudPjjlEsbuX2sjsuCGJ5B6HpTtM1rwu3hKfQNZbV44V1T7bBJaQROzps2BW3OApx3Ga5ddL1BhaFbG5IvSVtSIW/fnOMJx83PHGea2tC8BeIPENnqlxp+m3bjTUJdFtpGLyBlUxLgffG7O3rgGjv8A15jdu/8ATHat431G48aXPiDQ5p9JldVih8iUh0iVAiqWHU7VGfes+z1mFtan1LxDZHW5ZgXK3Fw6B5CR8zlfmYdeARn1qsdG1RdX/sptNuxqO7Z9jMDeduxnGzGc456VTdGjkZJFKupwysMEH0oVh2Wx0l3491u81XSrxpIYE0eQPYWttEI4rfBBwAOTnAySST61Z8aeK9N1zUrGPw/ZTWOk2ZaVLeXG7zZH3ytwcYzhR/sqK5GimtGn21DlRteMNZt/EHjPVNXskkSC8uWljWUAMAfUAkZ/Gusv/G3hy7XXdUji1RNX1rTBZy25ijNvG/7vLiTfuIPl9NvfrXnNFTypR5Qtqmd3a+N9Ng8U6BqTwXRh03RvsEyhF3NJ5UiZX5sFcuOpB68VS8DmLRPtXiq9niRLCOSK0h3jzLi5dCqgL12qG3E9OMdTXI0U2r38/wBb/wCYuVaL+tDtfh/Ld39tr/h6OR5or/TJXhsQcia4TayFV7vwcY57VyN5ZXOnXktpf28ttcwttkhmQq6H0IPIqCim97jStcKKKKBhRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAGhrP/AB+J/wBcx/M1n1oaz/x+J/1zH8zWfUx2EtgoooqhhRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUVd0rSrrWb0WtibcSlSw+0XMcCn23SMoz7ZzUV/YXWl6hPY6hC0FzbuY5Yn6qw6igCvRUlvA9zcxwRbd8jBF3uEXJOOWJAA9ycVc1jRL/QbqO31OKOOSWITR+XMkqshzhgyEg9D3qXOKlyt6gZ9FFFUAUVp6N4e1LX2n/syGNktkDzSzTxwRxgnA3PIyqMngc81nSIYpWjbbuUlTtYMMj0I4P1FADa3fBGpQaR470W/vJfJtoL2J5n5+VA4yTjtWFRTTs7ilHmi0eiabbDw/4wv577W9MnjuNO1EQS22oRyjLQuEGQflLEjCnkntWlpviuPxJDatcOsNz/AG5pCR2z3G92EUTRtIAcHBIBPHGQM15TU1pdzWF7Bd2j+XPbyLLG+AdrKcg4PB5FKNk1fpb8Hcmcea76u/4o9P8AFjjR9K8Z2uq61ZXzanqIawsre7E7ROszM0jKM+Xhcrg4JzjtXlVTXl3Nf3095dv5k9xI0sr4A3MxyTgcDk9qhqIR5VZmnVnotj4l8PRaTbxTajbLKsKqynwXZSkNjkeYZNzf7xGT1rzs8scevpikoqutyUrKx2HgK4ia28Q6XJqFvYy6jppitnupxFGZBLG+C54UkKeTitXw9rg8E6LdSSXdre3tnrtnceTbXqt9oRYpd211zleQCQCMmvOqKb1/D8HcXKno/wCtLHsOgXS60sCW2oW63P8Awh13FLLJcgCB/tDkB2z8uAR17Edq5XxjeQQaF4Z0y7vrXWdR04TG5kguPOjEbOCkPmqfmwAx4PG7ANcpp+q3ulfavsE3lfa7d7ab5FbfG33l5BxnHUc1TpNe9df1q3+oKPf+tEjautTstQ1qzm06xt/DaRsoMtrLO4Q7s+Z8zM2R/s+nrXQ+KfFuj6lojaeUm17U9y4128hS3kUA8gBctID0zIxPsK4Sigdtbnq+seILS58VeOY/7WglsbrRlW3X7SGjllUQ7QnOCwIbgc8GtAeKLZNN0nVfD0fh2QWOlJbvFf6pNBNEwjKyJ5Hmqrhjkjap3buea8YopNXVv66/5kqCX9en+R6h4G13TdC8Nx2Gq6pEk+rzSfYZIyj/ANisVMf2hjyVLEgbeCFG7rtrF8GlLeTxPodxqlnbT3lg1vbzyXSrBJKsyNxLnbyFOGzg+tcTRTau2+6sPlt99/xudT4Y0rVV+JFjpula3a2eptPsi1CK5EkasV7OuQ2c7eM5JxWBqcc0Or3kV1MLidJ3WSZW3CRgxy2e+TzmksdSvdLmeXTbua0kkjMTPDIUYoeq5HY1Wo7FLdhRRRTAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKANDWf+PxP+uY/maz60NZ/wCPxP8ArmP5ms+pjsKOwUUUVQwooooAKKKKACiiigAooooAKKKKACiiigAooooAVfvDHXNep6tpOk6r8cjb30kkzzAy3dqYvlW4EO7yVO4GQFgB/Dnp715xpU+nW98JNYsri9twP9Vb3IgYt2O4o/Htj8RU/iDXJtf8TXmsyILeW6mMoSMn936AHrxgc1nWi5wcYuzaevYVtTf8X3GjzaNCkFpLHqUdyQZRpCWCeXt5QqrsGYHHOM8nNQeNIJms/DtwsTmH+xIB5gU7chnB5+tYGoa1qmrLGuqaleXqxf6sXM7SBPpuJxSHVtSOmf2adQuvsOd32Xzm8rOc52Zx19q5qeHnBR12b/HtoXfX5frc7bVIIdV8MXR0Gys7JLK0jkurO60xUuIwNoZ0uMEvlueSpwelahtfDWi6bpcN5ZS3Nldack0rRaOszzOyZZluTIGUq3GAABt5Brzq58Qaze2IsrzV764tVxiCW5dkGOnyk4pttrurWVi9lZ6pe29rJnfBFcOqNnrlQcGsHg6jjy83X+tbb/j59QTtY6TSUtk+E/iN7SaSW6kuLVbmJ49iwxh2KsrZO8k4BGFx71xlbvh7xBa6VYanp2qafJfWGpJGJUhuPIkVkbcpVyrD1yCp61iSFDKxiVlQk7VZskDsCcDP5V6fUhdRtFFFMYUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFPihlm3eTG8mxS7bFJ2qOpPoPemUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAaGs/wDH4n/XMfzNZ9aGs/8AH4n/AFzH8zWfUx2EtgoooqhhRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFdV8NI9Nm+I2jQ6vayXUUt3GiRo6qu8uMFwytuXrleM+orlatabqFxpOqWuo2L7Lm1lWaJiM4ZTkcfhTjo9SZpyi0jrbPSvDGveMLi2trXVbSztre7ubhWvIneQxIzgIREAgO3HIbrWnq3w/0FGtBpVxqKbr+wt5/tLxvlLqLzFK7VGCo4Oc568dK5ubxvM2qyahZ6LpNhNLb3FvKLWKQLIJkKsxBc8gE4xgD0qPwx4kbS5bSxuPKTTzqtrfTylGLp5RI4x2w7ZGCeBUwWyfl+ev4CnzayXn+Wn4mvrnhXQDp+vy+HX1KK48P3AjuY76SORZ0Mnl70Kqu0hsfKQeD1rm7nw5f2mhw6vMbT7LMQECXsLyc56xhi46dwK3PF3jltWn1ex0mx0+ysL29aaWa0gdJLwByULlmPrnACjPauOqYX5dS9mdho/gaLxXp5k8LX8kt7BDvurS8tzEqkD5iswymPTeUNW9M8M+GBoPh+bXJNVW71yaWFZrWSPy7fZIEBKFcuMkE4YVzF74k1jUNMt9NutQmaxt1CxWqnZEuO+1cAn/aPJ9a6qDx3a6P4L8N2thYabf6lYPcSM95buzWjtIGRlOQp9cHcOBxV9fIzalay3K1p4T0rTLPxFc+Jzez/ANi38dj5VhKkZkZjIC251bA/d+nen+GPB+meIk1fVU+0x6VYyRxw20l/bwTSM+cAzS7UGApP3STxgdTXOnxJfvo+p6fMY5l1O6juriZwTIZE38g5xzvOePSn6B4nutAju4EtrS+srxVFxZ3sZeKTacqeCCCMnBBB5NJX6+X6X/UqSfQ6efwJo58RXmlWOoPPLJpDX1gkdzDMVmUbmgkaPKsdqvgqR/D9KwNY8PQaZpOgBZJDqmpwm4mjkdVjjjZ9sPUDBIBYknGCOlVl8Rz23ie31zS7O002a2kSSKG1VhEpX2ZiSD3yecmofEGu3fiXXLjVb9YklnIxHCu2ONQAFRRk4UAAAe1LXT+u/wDn+HmCTv8A1v8A1+ZLqOgzaDqltb660Qikw7mxuobkhM4OCjld3XgkVq6p4GeHw2/iTRL4X+jK6o0k8DW0qEnAG1vlf/gDN74rmLa4ks7uK5gKiWFw6FkDAEHIyCCD9DxVrVtc1TXbsXOsX897KBhTM5baPRR0Uew4pj1udvrngjw5bya9pmly6oup6LZJePLcyRvDOv7vcoVUBUjzOOT0q1bfDDSksbOHVdQ+z3l3ZLdG7bU7SKG3Z03ojQO3msMEAsMdeARXJXPjfUrrV9Y1GSC1E2sWf2OdVRtqphBlfmyD+7HUnvxTm8az3OkQ2WqaRpWpSW9v9mgvLmF/PijAwo3K6htvbcDik720/rf/AIBCUuv9bf8ABNTwr4K0vxLoEup/aruBdHLSawgXeWhwWVoML947SpDZx97pkCXwOvhuTQvFr6lpl9OYbHzEKXUYZIvOjACkxHD5PLdCMjaM5rC07xtq2kQaXDpnk20emzNOFRTi5duCZcn5sr8mOBtyO5Ji0jxTPo2q313bWFi8F/G8U9hLGzQNGzBtgG7cACBg7sjHWm936Ds+vdfn/X9K5l3zWb30raZFPDak/u47iUSSKPdgqg/kKsaRpkOqXTxXGrWWlqqbhLe+btY56Dy0c5/DHFQahdrf38tzHaW9mshyILYMI04xgbiT+ZNTaRruq6BcvcaJqNzp8zpsaS2lKMy5zgkdsgU1sU79CXWdIt9KMP2bW9O1XzM5+xed+7xj73mRp1z2z0qHRLFNU1/T7CVmRLq5jhZl6gMwBI/OpdZ8S634hMR13VbzUfJz5X2mZpNmcZxnpnA/KqunX0mmapa38Co0trMkyBwSpZSCM47cU4aNcwpX5dNzstd8JaCdN1iXw22pR3Gi6illPHfSxyLMHZ0DqVVdvKdDng9a09b+GekaPY6nby6h5WoadbtJ9ol1O0MdxIoBaJYA3mqTyATk8cgZrjJfFV9Na63A0cAXWrpLq4Kq2UdXZgE54GXPXParWr+NZ9cs5F1TR9Kmv5EVH1PyXW4fGOSQ+wtgYztyaztLl8/+Av1uFnzabHSR/Ck3WuW0lrNIdDkuLKN3aQeeUmiSR3X5cYXeBnHBZeteczCNbiQQ5MYYhN3XGeM11lt8TfEFp9i8lrfbZaa+mxqYzho2H3m55cYXB/2F44qjaeF7G5s4p5PF+hWryIGMM32rfGT2bbARn6Eiq1v5f1/w/wAxRul72/8AX9fIu6Jovh1fBT694jGpy51EWSR2M0ceweXv3nejbvpx9avzeA9N0a+1641y+uptK0kweX9kVVmuTOu6IfNkJ8vJJBxjABos/Eel+GvA9xowj0nX7pdYE6rPDM0LR+TjzFPyH73GD78YrIg8e6umr6nfXiWmoLquBeWl3DuhlC/cG0EFdvYqQRQ9ZO39aL/giXNb+u/+Ru+B30Ftb8QtZwajHpf/AAj9z5scs0bz/wAO7DBAv0ytYPibQtMtNH0nW9Bku/sGpeank3hVpYZIyAw3KAGBDKQcCiy8aPp2tT39joekwRXFo1nNYrHL5Dxt97OZN+T67qq6x4jm8Qz2MN3Fb6fp9mPLhtrGEiOBWbLEKWJYnqSWyfWi12v66v8AzKV03/XREPiKLQodUVfC9xeXFl5KEveoqv5mPmGBxjPT+vWsqui8b69YeIvEX2vSbCKyto7eOBVjgWHzSi4MhRSQpPpk4GOTXO0IpbIKKKKYBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBoaz/x+J/1zH8zWfWhrP/H4n/XMfzNZ9THYUdgoooqhhRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFa/hzw7ceJL2e3t7m1tFtrZ7mae6ZlSONMZJ2qT37Csit7wtrlton9sfa0lf7dpc9nH5QBw74wTkjjj3PtR0foxO/TyJ7nwLqkWsadYWktnfrqURmtbu2l/cyIpO9izBSoXa2dwGMVYj+Hl/dXOnppuqaXqEF9cm0S6tpnMccwXdsfKBgSOhAIPrV7RPiDBoZ8KyW8Fw8mkQXUF1tYRllmdjmNwSQQrZyQMEVJqPj1f7Z0e8tfEPiTVobG+S7eDViuF2kEbcSNk4yMnHWlre39b/5ENz1OXtvDOpT2N3eSRfZoLaz+2bpwy+dH5gi+Tjn5mx6cHmsivSNd+INr4h0HUdC0zTLkS3FzHb6WqqCyWgKkREA5LF0RsDOSzfjyz+AvGEUbSSeFNcRFBZmbTpgAB1JO2km92Wn3NCL4calPY2rwajpkl7d2YvYNMEzi4kiwTkApsJwpO3dnjpVPTfBtxe6NFqt/qmm6PZ3Dslu+oSupnK8NsVFZiAeCSAM967fUNb0Hw1ceFNauV1GfWLTQYGtrdEQW7MVcKzuW3DBJJAU5wORXKxa94e1nwzpumeJxqdtcaX5iQXOnxxyiWN3L7WR2XBDE8g9D0pvdpd/1f8AX9WIi5OKfp+X9f1qXNK8KWGp/Died9R0qwuota8gX13I6rInlcKpVScE88ge+K5HV9HvdD1i40vUYtl1bvtdVO4HuCCOoIIIPoa6TTNa8Lt4Sn0DWW1eOFdU+2wSWkETs6bNgVtzgKcdxmqereN9RuPGlz4g0OafSZXVYofIlIdIlQIqlh1O1Rn3o+1/XZfrcqN7ff8An/kZOj6Lda5etaWLW6zhCypcXCQ+Ycj5VLkAtz0zzV2x8Hazd+KoPD09q2n385IC3qtGFABJJ4zjAPIBqCz1mFtan1LxDZHW5ZgXK3Fw6B5CR8zlfmYdeARn1rtfBHivUfEnxM8PQ6k0UdlZCZLa0tYljjgUxNkKB646kk+9GopNpM5PWPCV1pVjb38F9Y6pYXExgW6sZGZFlAzsYOqspwc8jkdKk8Q+Dn8N+dFea3pU19BII5bC3eVpkb8YwvHfDVa1PX9DtvDMOg+HF1CWBr8X1zcXyIjllUqqKqsRgAtyTyT0FZ/izXYdb8calrenpJHFc3RniWZQGAzkZAJH60dUun/Df8Eepduvh/qVpZ3bNe6dJfWMH2i60yOcm4gj4yWG3bkZGQGJHcVEngbU5PEGnaSk1qX1GzW9iuN7eSsRQuWY7cjaFYHjgg9a6TxR8Sl8Q2N5PFrvia0ubyPbJpfmq9mCRhgG3g7Dz8uzvjNZln46trb4fPpb2sza3HFJY2t4MbI7SVg8innO7IYDjo7UtbP+u/8AwPxEuay/rt/wTiiMEjOfcd61NM8LeINatTc6PoWp6hAGKGW1s5JVDDtlQRnkcVlVu6L4hstKsWguvD1nqTly3nT3NzGwGBxiOVV7emeaop36GVfafeaXePZ6naT2dzHjfBcRmN1yMjKkAjg5rZ8C6DZ+JfGenaXqN5HaW88yK5csGkBYDYhVWwxzxnA9TWTql5FqGpS3NvZx2Ub4xBFI7qmBjguzMfXkmrHhvV/7A8Uabqxi84WV1HOYwcbgrAkZpx3VxTvyvl3Nc+CluvEh0vStf0q6GyeaSZTOEt0iBZt5aIHO0H7obpUup/DfVdNNsBe6deG4uYbb/RpWPltMu6ItuUcMvIIz74PFSQa54Z0jxFdX+kNq00N3ZXkLrdQRoyPNGyoBtc5ALcng+gq14a8WPqM1lp+pvLNfXGtabJHKEVUEUCtGFOMc4ZQOOcHJz1mCbsvT87P8BTk1eS21/LQydc8C3ujWN3dx6jpupxWM4gvRYyuzWzkkAOrqpwSCMjIz3rmdpAyQceuK9D8X65oWly+K9M0NdQmvdWvmS7ku0RI4VSYuVTaxLZYDk44HSuPuPEutXeiQ6PdapdS6bAQYrR5SY0xnGF6DqamDbjcvVOxPN4Q1mPR01WC1F5YMgd57ORZxDkZxIFJMZHowFX9K8AXmq6TYXq6rpVq+pO8dla3UzpJcMjbSAdhUckAbmHWk07xu/h60jXwtplvpl6Ytk2osTPcOSMNtLfLGD6Kufc100V14esvAXgq+8QnUnltpruaGGzRCs22YHa7MwK8gcgHvxV9ddjNuSXmcjpXg281CHUZ7u9stJg02ZYLmS/d1CSMWAXCKxJ+Ru3am2XhOa/ur/wArU9OSwsCom1OSR1t8t90D5N5JwcALng8cVbu/F0WoaF4khu4ZFvda1KK+XYB5aBTIWBOc/wDLQY47GrHgfxsvhvTtT0y4utTsYL8xyC80qQLPC6ZxwSAykMQRkdqSv18v0v8AqVK62Kc3gPVIbm+hE9nL9l0/+0keKUst1b5HzRHbzjJJBwRg+lZd7oVzp+iabqdxJCI9S8wwRBj5gVG2liMYAJyBz/Ca6AeNTb/EC11p9Q1TWrSFRBKdTI86WBgVkjwGYAEM2BnvWd4q1iDxJ4jhTR4ZINOt4o7LT4Z2VWSJeBuOdoJJLE5xljzQr6f13/4H4gm+v9f1qyn4i0Cfw3qi2Nzd2d25hSbzLKbzUwwyBn1HcVlV0Xjew0HTfEX2XwvPLPapbx+a0kqy7ZtvzqHX5WAPcZGc4OK52halLZBRRRTAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKANDWf+PxP+uY/maz60NZ/wCPxP8ArmP5ms+pjsKOwUUUVQwooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACtbwx4b1DxZ4gttJ0qF5JZnAZ1jZ1hUkAu20HCjIyaya3fBGpQaR470W/vJfJtoL2J5n5+VA4yTjtTjq7EzbUW0MvPB/iOx1WPTp9C1NbqYt5ETWcgeYL1KKRlh9KrXnh/WdP8AJ/tDSL+189zHF59s6eYwOCq5HJz2FdnptsPD/jC/nvtb0yeO407URBLbahHKMtC4QZB+UsSMKeSe1aWm+K4/EkNq1w6w3P8AbmkJHbPcb3YRRNG0gBwcEgE8cZAzUwu7fL8Xb8BTk4ttba/lc861HQdZ0Tyn1fSr7TvM5ja6t3i3fTcBmqhu7kjBuJSP9816f4scaPpXjO11XWrK+bU9RDWFlb3YnaJ1mZmkZRny8LlcHBOcdq8/udUsJtDhsodCtLe6jI336SzGSTGeqlygz7KOlTGXMrl9TMeN4iBKjIWUMAwxkHofpWha+HNbvtOfULLR9QuLJM7rmG1d41x1ywGBiuwsPF2kaZ4bhstauLjxbmACPT7iEJDZEjoszAygj0j2j3NbOjW9yPCHgXUbfXbLR4bK5upJmuL0QtsEwJKoTmTgEYGTzjvV9bGbm0r2PMtN0XVdakaPR9MvNQdOWW1t2lK/UKDSx6Fq82rPpcWl3r6ghIa0W3cyqR6pjI/KuvuddsX8L+M30q5W0F9rME1rbrIEdoczHhc5wAVz6ZFSfD7V7EaFr+nXbWB1K+MDxHU7uW3jnRC26Myo6lTkqcM2DjnoKSbf4fp+VypNo4l9I1KKW6jl0+6R7Jd10rQMDAMgZcY+UZIHPqKhezuYrOK7kt5UtpmZYpmQhJCuNwDdCRkZx0yK9GPioN8RILfXhpsFhcacNHu30+6NxEIXBCuZWdtxQlTncfuVzvju8tUu7DQdKuoruw0S2FutxC26OeVjvlkU9wWOAfRRSvt/Xf8A4H3jTbdv6/q9zlaKt6VNFb6vazXLqkUcqs7NbLcAAHk+WxCv/uk4Ndh4k1/Q77QZ4LC+t5Z227UTwnaWRPzAn99G5ZfwHPTvTeiC+tjhK0j4c1waV/ah0bUBp+3d9r+yv5WPXfjGPxrNr1ew8QWkfi3wyjatAtgPDJtroG5AiDGCUeW/OAcleDznFEtI3/rZv9BNu/8AXkeb2Gh6tqkEs+maXe3kUAzLJb27yLH/ALxAOPxqtJaXMVtFcy28qQTlhFKyELIV4baehxkZx0r1bw7rtq3g3w6ujjQhfaS0jTx6nqk1kySmQsJFAlRJAVwO54x0qPRfEXhy78PSXXihbJpl1W5iWyTBCR3fl75UU5O2MLIQexK0O92l/Xb7yVN9V/Wv+R5ZcWtxaOi3UEsDOiyKJEKlkYZVhnqCOQe9S6fpt9q10LXSrK4vbgjIhtomkcj1woJra+IF1bXPjS6SwuY7q1tI4bSGaJgySLFEse5SOoO0n8a1PhdA9zqHiCCKeK2eTQrpVmmk8tEPy8luw96E7pvybKbaS+RyF5pt9p16bPULK4tboYBgniZHGenykZrVtvCOrx6vpdtrWl6hpsGoXMcCTXFq8YO5gMqWABODmu7tNd0zQ9W8G22t6vbX17pqXQnv4JPtKWnmAiAbxkPsb5uM4zxXNixvNH8U6Rf6z4i07UYP7SidpINUS5IAcEyMASVGB1YA1Ubcyv3/AFJlJ8rt2MXxP4X1Hw1qlzDd2F7BaLcSRW9xc27Is6qxAIJAByBnisx7C7isYr2S1nS0mYpFO0ZEbsOoDdCR6CvSfE95HY6L4vXUNestT/tm+STTra1vluimJS3mnaSE+T5cHBOcY4rl9RsdXX4Y6RfT6zHPpL3s0UGnCUlreQDLMVxjnOf+BD1rKLfLd+RpfX7zlqKKK0AKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDQ1n/j8T/rmP5ms+tDWf+PxP+uY/maz6mOwo7BRRRVDCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKK6/4eR2/wBt1u6uLO1u2stGuLmFLqFZUEi7cEqwIOM96Ojfb9BN2OQqa0u5rC9gu7R/Lnt5FljfAO1lOQcHg8ivUtL0bRvEuveDb7UdPtbY6nZ3T3FtZwCOO4lhaQRgRqVGW2qCoK56cZpy3Phe58QeHoLnTC13/aywzNLoMdhC0DjaUZFdlZlYggkZ9aLtPTf/AINiHNWdzyu8u5r++nvLt/MnuJGllfAG5mOScDgcntUNepar4I03wx4O1i+yt1dQ2qWN0syq32a9aWNyE44xESM9ch68tqYtdDS99Qq5c6re3emWWn3E2+1sd/2ePYo2bzluQMnJHfNesWGmW9xfeGNDm8O2L6RqOiJPeXosVWWJijlpvPA3ArgHk47Y5rno0Ph/wDouoaFoVlqkuoPP9svbuxW78t1fasQDAqny4bpk7uvFN6Nr+uq/QhSul/XS5xf9jXf/AAjv9t4T7H9q+yZ3fN5mzf09Md6oV6Xomo31l8LZ5LTRrO/uJfEW1ra4sFnVCYeixkHbzxwMjtWP4r0bQLD4lahp9xcTaXpyBWYWsAuDBIUVmjCl14DFl68Yov71v62T/Ualda+f52OMorpvDdhHceJrm30vTYNfsgjZN+32ULFkfvSwkAjI45LEc966jR9A8Jp8TdDttJuY9UjlErXllL/pEMLLGxVRKVUSjI/u446mi9gcrX8jzGivS7S10vxbpPhu/wBYsrHTmm1/+zrqWxt1tlkhKo3zKuFBG4jdjvzUnjd/D9tpOqaedMmg1C2uVWzK6ClkLfDYZHkErGUFehYE5Gc0N23/AK2/zBSu7f1u1+h5hVhrG6TT4754JFtZZGiSYr8rOoBKg+oBH516br2kWUXgS41a20ixj8RTWkH9p2SouLCFicXCRbcIz4TOPubu27isuu6n/wAKc0n7DpmnXITUbi2fOkQTbR5UW0nKHDnn5vvHHJOKG7X8hKV7ef8Alf8Ar/gnmdFFdn4T8N6Zq+kPcX1jPPIJSoaPxDZWIxgceXMpY9evT8qZTdjE0jxLdaLbPDbWelTq77y17pkFywOMYDSISBx0HFW08Ta5quoiDTLazhub2BrEw6dpsEPnpIRlNqIMk4HPUdjWf4isYNO164tbSJoYY9u1HvIrojKg/wCtiARvwHHTqK2fhfftYfEvQyqW7Ca8iiYzwpJtBccruB2t6MMEdjRFKTXmTP3YuSOVdGjkZHBVlJBB7Gm16Tplxc6h48vG1zRdOT7FZahJDEdJhiRnjidgXUIA5BAPzA1pTnw/4lt7O4sNM05YYdY0yDdbWYg3ebETOjcAsPMU4zwO3FKN3bzt+LsOUuVtdr/hqeSVZu9Svb6G3ivbuaeO1j8qBJJCyxJ/dUHoPpXpHieyjvtF8XtqGg2Wmf2NfJHp1zbWS2pfMpXyjtAEnyfNk5IxnPNcfftcnwFpav4chtrcXMuzWFhIe6PdC/QhfT2+tJSur+g+tjnqKKKoYUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAGhrP/AB+J/wBcx/M1n1oax/x+J/1zH8zWfUx2FHYKKKKoYUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABU1veXNp5v2S4lg86MxSeU5Xeh6qcdQfTpUNbXhPR7bXfEMdlfSSxweVLK5hxuISNnwM8c7cVE5qEHOWyQGY1/dvHbxtdTMlrn7OpkOIcncdo/h55471av/EWt6q0DanrF/eG3OYTcXTyeUfVck46DpWvpWiaR4o8T2enaIt7ZQsjvcPeTxyEKiliVIVAOAevGe+KseIfDWkaVptrqFvM6j7UIZ7I6lbXErpjO9WiyF6Ecg4OOtYPFQU1B6N9P69Atc51dUuZpXXUbu8uLa4uFnu4xcEGdgTliTkF8FsMQcZNa8l14GMTCLSPECybTtLarAQD2yPs/IrR8fr4fhubaLTtPvILptPtHRzcxmIKYlPKCMEtjqdwyecdqjvPCFhb+IvElgk1yYtK043UBLLuZ/3fDfLyPnPTHapjioSgpSTV1f8AJdPVD5dV52/Epa3441TVdLsNNt7m8srC1sIrOS1S7YxTlM/OUGBznpg9OtZWma/rGi+Z/Y2q32n+Z9/7JcvFu+u0jNbMuleH9M8NaVeanHqVxd6lBJKv2eeOOOLbIyAEFGJ+7nqKuaN4a8P3Gl6AdVfUhda5cSQRyW8iCOAq4QEqVJblhnkVUsVBJys92vV63/J/oTZKK7HO2XiXXdN8/wDs7WtRtPtDF5vIu3TzWPUtg8n61mszO5d2LMxySTkk1t6XY6Jb65fWfiq5vIYLeOZI3skVmaZeFB3fwkj/APV1rDrpTT1Q7WbQVNaXlzYXSXNjcS206Z2ywuUZcjBwRyODioaKYExvLk2QszcSm1WQyiDedgcjBbb0zgAZq5deI9bv7KKzvtZ1C5tYSDHBNdO6IR0IUnAxWbRQFkXP7X1I3lxdnULr7TdKyXE3ntvmVvvBmzlge4PWn6frur6TFNFpWqXtjHOMSpbXDxiQf7QUjP41QooAKKKKAClVmRwyMVZTkEHBBpKKANO68S67fTLNe61qNxKkTQq8127sqMMMgJP3SOCOhpujazcaRf2sqvLJbQXcV09qJSqStGcjI6ZwSAcHGTWdRQtHdCaTVmbPiPxTqnibUJ5tQvryW3ad5YLae5aVIAzE7VzwMZxwBRqHia7v/Den6CESDT7FmlWNGc+ZK3DO24nB9lwBzxyaxqKSSSsh9bhRRRTAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDQ1j/j8T/rmP5ms+tDWP8Aj8T/AK5j+ZrPpR2FHYKKKKYwooooAKKKKACiiigAooooAKKKKACiiigAooooAKKu6TeWtjfCW+0y31KLG0wXEkiL9cxspz+OPatHxvpFtoPjbVNNsFdbWGb9yHOSEIDDnvwetAX1sYNFFFABRRRQAUUUUAFX9G1i40PUfttokbyeVJFiUEjDoUPQjnDGqFFTKKlFxlswLmlapd6LqkOoafII7iE5UlQwIIwQQeCCCQR71Y1fWY9VWMR6Pp2nFSWY2UbrvJ9dzt+QwKy6Kl04uXPbUZt6j4nl1TSYbO806weeGFIEvhGwn2J91Sd23oMZ25x3q7P48vrixuYpdP043V3ai0nvxE4nkjG3g/Ntz8q87c8Vy9FR9XpWtb+v66bBexfvtYuNQ07TrKZI1j06JooigILBnLndz1yx6YqzD4mvIItFjSOAjRZ2nt8qfnYuHIfnkZUdMVj0VfsoNWt3f33v+bFvodX4W8TafpWtatrGs2UV9NcwTJFaPbLJG0kmedzN8m085AYkZHHWuUooq0ktg6thRRRTAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooA0NY/wCPxP8ArmP5ms+tDWP+PxP+uY/maz6UdhR2CiiimMKKKKACiiigAooq7pUGnXF8I9YvbiytyP8AW29sJ2DdhtLpx75/A0JXBuxSorT8R6LJ4c8SX2kTSrO9pKY/NQYDjscduO1ZlJO6ugCiiimAUUUUAFFFFAF3SdH1HXL8WekWNxfXGNxit4y7BR1OB25610PxN1F7zx5fWy3XnWdgwtbRFfKQxoANi44ABB6VyNFD1sK2twooooGFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBoax/x+J/1zH8zWfW4+lXWs6wlrYm3Epi3D7RcxwKeTxukZRn2zmsu/sLrS9QnsdQhaC5t3McsT9VYdRUrZEx2K9FFFUUFFFFABRRRQAUq8sPrSVd0rVbrRr0XdiLcyhSo+0W0c6j32yKwz74zTWjB3todJ8U5on8f3sCWyRy22yKa4DHddOEXMjDO0E+igD+dcdVi+vrnU9Qnvr+Zp7m4cySyueWY9TVeoimlqCVlYKKKKoAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDQ1b/j9jx12D+Zrofimluvj+9eKZ3upNj3kRjwsEpRdyK2fnA9cL9O9ZTT6db6zHJrFlcXtuIv9Vb3IgYtk4O4o/Htj8RVXxFrUniLxHfavPEsL3cpkMaHIQdhnvgVPRER7mbRRRVFhRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAX9Y/4+0/65j+ZqhRRSjsKOwUUUUxhRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAf/Z)

연결리스트에 PCB를 넣는 함수이다. 인자로 받아온 PCB의 pid, nice값, vruntime을 받아와서 PCB 노드를 생성한다. 그 후 tmp 노드를 이용해 PCB들의 vruntime을 비교하면서 연결리스트의 노드들이 vruntime이 작은 순서대로 정렬되도록 한다.



연결리스트의 첫번째 PCB를 리턴하는 함수이다.

![그리기이(가) 표시된 사진

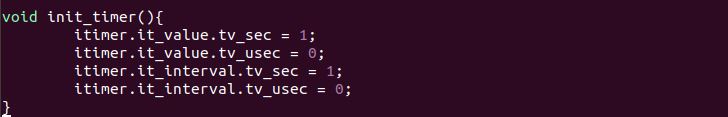
자동 생성된 설명](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAkACQAAD/4RDcRXhpZgAATU0AKgAAAAgABAE7AAIAAAAKAAAISodpAAQAAAABAAAIVJydAAEAAAAIAAAQzOocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAOydtO2VnOuCmAAABZADAAIAAAAUAAAQopAEAAIAAAAUAAAQtpKRAAIAAAADODYAAJKSAAIAAAADODYAAOocAAcAAAgMAAAIlgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADIwMjA6MDQ6MjQgMDU6MjQ6NTEAMjAyMDowNDoyNCAwNToyNDo1MQAAAHTHXNWYsAAA/+ELHGh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8APD94cGFja2V0IGJlZ2luPSfvu78nIGlkPSdXNU0wTXBDZWhpSHpyZVN6TlRjemtjOWQnPz4NCjx4OnhtcG1ldGEgeG1sbnM6eD0iYWRvYmU6bnM6bWV0YS8iPjxyZGY6UkRGIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iLz48cmRmOkRlc2NyaXB0aW9uIHJkZjphYm91dD0idXVpZDpmYWY1YmRkNS1iYTNkLTExZGEtYWQzMS1kMzNkNzUxODJmMWIiIHhtbG5zOnhtcD0iaHR0cDovL25zLmFkb2JlLmNvbS94YXAvMS4wLyI+PHhtcDpDcmVhdGVEYXRlPjIwMjAtMDQtMjRUMDU6MjQ6NTEuODU4PC94bXA6Q3JlYXRlRGF0ZT48L3JkZjpEZXNjcmlwdGlvbj48cmRmOkRlc2NyaXB0aW9uIHJkZjphYm91dD0idXVpZDpmYWY1YmRkNS1iYTNkLTExZGEtYWQzMS1kMzNkNzUxODJmMWIiIHhtbG5zOmRjPSJodHRwOi8vcHVybC5vcmcvZGMvZWxlbWVudHMvMS4xLyI+PGRjOmNyZWF0b3I+PHJkZjpTZXEgeG1sbnM6cmRmPSJodHRwOi8vd3d3LnczLm9yZy8xOTk5LzAyLzIyLXJkZi1zeW50YXgtbnMjIj48cmRmOmxpPuydtO2VnOuCmDwvcmRmOmxpPjwvcmRmOlNlcT4NCgkJCTwvZGM6Y3JlYXRvcj48L3JkZjpEZXNjcmlwdGlvbj48L3JkZjpSREY+PC94OnhtcG1ldGE+DQogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgIDw/eHBhY2tldCBlbmQ9J3cnPz7/2wBDAAcFBQYFBAcGBQYIBwcIChELCgkJChUPEAwRGBUaGRgVGBcbHichGx0lHRcYIi4iJSgpKywrGiAvMy8qMicqKyr/2wBDAQcICAoJChQLCxQqHBgcKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKir/wAARCAB4AtsDASIAAhEBAxEB/8QAHwAAAQUBAQEBAQEAAAAAAAAAAAECAwQFBgcICQoL/8QAtRAAAgEDAwIEAwUFBAQAAAF9AQIDAAQRBRIhMUEGE1FhByJxFDKBkaEII0KxwRVS0fAkM2JyggkKFhcYGRolJicoKSo0NTY3ODk6Q0RFRkdISUpTVFVWV1hZWmNkZWZnaGlqc3R1dnd4eXqDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uHi4+Tl5ufo6erx8vP09fb3+Pn6/8QAHwEAAwEBAQEBAQEBAQAAAAAAAAECAwQFBgcICQoL/8QAtREAAgECBAQDBAcFBAQAAQJ3AAECAxEEBSExBhJBUQdhcRMiMoEIFEKRobHBCSMzUvAVYnLRChYkNOEl8RcYGRomJygpKjU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6goOEhYaHiImKkpOUlZaXmJmaoqOkpaanqKmqsrO0tba3uLm6wsPExcbHyMnK0tPU1dbX2Nna4uPk5ebn6Onq8vP09fb3+Pn6/9oADAMBAAIRAxEAPwDxLVf+QlL+H8hVSu20GM6zc6x4X3KJNSjSW0LnAFxGMgZ7blLj8q07W+huvFepWuivG91pumfYtFZsfM8ZUMyZ43t+8YfX1que2lun9fibSxDi3G23/As/z+5nnEaeZKqblXcwG5jgD6mrOqae2l6pPZPcW9yYW2ma1k3xv7q3cV1vim/1PTIdCu7y5ktfE8cc32qWN9s6oWxH5hXndgt15xjNXPEVgP8AhZtprWtQltCvrq3b7U/McyFFzz3HBz+NNTu18xfWXdNrRp/Np9PXocZa6Q91oGoaqsqqljJDG0ZHLGTdjH021nV6d4ibxGPBGvjxKZPJa+t/sROPLZcyZ8ojgrjb04rzGiEua/8AXRGtCo6ik3bfpr0XU1YvDOrTaQ+ox2chhWREC7TvberMrKvUrhGORxxWVXZWXxK1ay8Gt4ci8z7M0ToZPtUocMSNrDDfKFAK7B8pycg1xtX1fY3je2oDk1peINHfw/r93pcsqzPavsaRRgNwD/Wut8LHV/8AhB2HgredX+3n7atuAZzDsGzA6lM78479a6cvA3jfxm1pHcXGtefF9mWyuI4rgx4/eeUzK3OduQBnHTvXmVcbKFRpLRX0vrvFXfZav5alLa55TomkjW9TSyF/a2LyELG91v2uxIAUbFY5Oe4x71X1Cyk03UrmxnKtLbTPC5Q5UlSQcZ7cV12v3+/4jaVPfabPpU0D24uvtkitJIQ+fMcqqjJXGeO1aMOjjS/jC03ia08m0u7u5ltGnKrHM3zGNtxBXG4ryQR0zWn1px96XWLdtOnZ9Qtv8vxPOKt6lpl1pVxHDeoEeSGOdQGB+R1DKePYiu58c6jqUGl2SahpOsWd7Fd+dbahqN0kkgAHKIyRp8udpHUDHFP8d3fiXUtPsr6W7v7nw9NY2jSyCYtC0mxQ2ecb9+c980oYqcnB2STv1/Jr8h21+R5xWxZeHpbnw3ea5cXEVpZ27iGIyZLXMx58tAO4XknoOPWvS/FN39m0nU1sdF1G88PSWuy0lS7iaxiBA2SKoiyrg4z827Oc5ri9fVpfhj4TmtubaF7uGfb0WcyBufcoUx7CtsNiHXg5ctvnf7+z6W72JeljI07w7Lqvh+/1GxuIpJtPxJPZciXyehlHYqCcEDkdelR6BoNx4hvpbe3nt7ZIIHuJ57liI4o0GSx2gn04AJ5rb+GIZfGYnfizt7O5kvCfuiHyXDZ+uQPqRT/A7Wx0XxUkUcg1E6RKUlZwYhFuTepXGdxHRs4Hp3rqel35X/P/AC/Mm7281+P9fkcpeQJa3ksEV1DdojYWeAMEk9xuVWx9QKgooplBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFer+C/+RQsv+2n/oxq8or1fwX/AMihZf8AbT/0Y1ebmP8ACXr+jPRy/wDiv0/yPM9U/wCQlL+H8hVSreqf8hKX8P5CqlehHZHmrYKKKKoYUUUUAFFFFABRRXonw2nubXwp4tmsdbj0KdUtAt87SKIwZTkZjVm56cCgUnZHndFesRalpuq+JNT1jTPJ1TUtH8PeYLprbat1dqyq1x5bDnarE5YZJXJFZ3gDxPq+vfEiwn13Vbid7a1uzHcMA0kQ+zucjoTjGQM/lSv+Tf5/5C5na/8AWyf6nnFPeKSNUMiMocbkLDG4eo9a9H8Yaimp+DdE1i31B/EAstQeG4vtTt/LnZyqusTLlt0eFJzvJ5I4qr458V+HdZ8P2dloVhBFNa4gMht3UmMfPuj3SN5a73cbME4xz2BcE72PP629BvdZltb3QdJj+1RaihaS1ZA4zGC3mLn7rKA3zDtmsSvYfDFnovh3xdpWkwaQJ7640WS7bVZLiTduktHchEB2bQDt5BPU5olpFv8ArZv9Ab1PL7fXb600G60i1dIra8kV7gqgDyheiFuu0Hnb0zzWl4X/AOEg0yK71rS9Em1DThDJbXjvaySWxjYDersuNvGDncCOK6vRPDXhTT/C+h3/AIjm0521YPLM15cXUbxRrIUxEIYypYbSfnJ5IGMc1l+EUgt9U8Y22nXTXNkmjXogkII8xARtbHuMGiTtzej/AAW36CTTtbuvxZxl5Ol1eSzxWsNojtlYICxSP2G5mbH1JqCit3wp4eHiTUZbZl1RvLi8z/iV6ab2TqBygdcDnrn09aaRTaWrMKpLa3lu7qK2tkMk0ziONF6sxOAPzroPFvhVfDJtQq60vn7v+QrpBsemPu5dt3Xnpjj1qn4R/wCR10T/ALCEH/oxacLSkkKUrRckZlzbTWd3NbXSGOaF2jkQ9VYHBH5ioq9K8V2Gja9D4ovrPSo9Lv8AS9ZWF5o7iR1uFlkkUllcnaQVz8uByeKt+JvDHgnQk1fR5bzT4r2xgIt50mu2u5Z1AOHQxiEK3P3Txkcms1L3bv8ArRP9RuS5uU8qqa0tJ7+9htLOJpri4kWOKNersTgAfUmvS/DPg3S7zTbTTtftNKt76+sJbu3kW8uPtpXYzxvsGYQMKODgkc9aPB9nougX3gaa40gajfa1dpN9rkuJEFti48tVRVIBI27juz1xxWitzcr/AK3/AMmRKpaLaPMZoZLe4khmUpJGxR1PYg4IpldHLpNvq3irWEutZsNJEdzKQ975uH+c8Dy0bn64p3hLRrTWb+40+40rVNRZseXcaUQTABnLMjDDKfdkxjrUQblFPyNJNRb8jmqK9D0/wfo+k+KNXt724tPEVvYaPNfKkMzKokXGEkMbcMO4ViPerNj4P0LxFrfhi5t7c6VZarZ3Nxc2iTu6q0BfIRiGcBgg/vEc4zTuv6+f+TJ5l/Xy/wAzzOiu58SweELfTbK80k6XNfx3YWawsJ7x4Z4MZyzTKrK2Rg7TznIxVvx34S0nwx4fhvLCynd9VmDp58hzpa7Ff7O4DcyHf/EPugcZJwXGpXaR56yOqqzKwDDKkjr9KbXo/jPWNNfwV4XRfDVgjz6ZJ5Uonuc237+QfLmXB5GfmDcn0wK4+CfSR4RuoZtKnk1VrlDFqAmIjijxyhToScdf8OTv5f52BO6TMiiiimMKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAK9X8F/wDIoWX/AG0/9GNXlFer+C/+RQsv+2n/AKMavNzH+EvX9Gejl/8AFfp/keZ6p/yEpfw/kKqVb1T/AJCUv4fyFVK9GOyPNWwUUUUxhRRRQAUUUUAFXLbVb200290+3m2Wt9s+0R7Ad+xty8kZGD6YqnXc+CrPTLvwP4t/tm5ezgUWf+kRWwndP3p4C7l69Ooo6CbsjkdL1W+0XUor/SrqS1uoTlJYzgjsR7gjgg8GtdvHniFtXtdTF1bx3VqrrE0VjAigONr5RUCtkcHINa1v8Mry88VS6ZZXbXVnHYJqIu7e1eR3t3AKlYR8xclgNueuecDNV/EfgGbw7e6OJpL77HqpIjM+nPDcoVYKwMBOSeQRhsHPWl1SJvFmNrPijV9eghg1K5Q28DForeC3jgiRj1ISNVXPvjNZFdzq3wxvLX+xzpsl5INVvPsUcepae1lKknBBKlmypDfeB7GrtxouiaX8NvFCaXq39rXEN7ZxSu1kYRGQ0gOxixLKfX5enSldJX/rp/mNSXQ85ro7Hx94l07TI7C11ECCKNoojJbRSPEjAgqkjKWUEE8AjrWbP4f1m10iLVbnSr2HTpiBHdyW7LE+emHIwehrTtvBV3qtjHceHby01eUx75bK3crcxHGWHlOAXx6puFN7NMemjINJ8Z67omn/AGCwvE+ybzIsNxbRTqjHqVEittPuMVS0nXtS0PVf7R0u58i5IZWbYrKysMMpVgVIPoRium0XwHp+o6Xost/r7WN5rk0kNlB9hMib1cJh33grkkdFNL4e+Gl9q+n3N9d/b47eC7azA07TXvZGkX7xKqQFUZHJPOeAafUm8bf1/Xc5HUL+41S/lvLwo00py5jiWNemOFUADp2FQRyyRNmJ2Q9MqcV2B+HV0PFGq+GReKdatAGtLYx7RejAYgMxBV9pBCkc8jII5n8PeF9Dj+KunaBquotewCeKKfyLfdHJNuAaHO8HYDkeYPThaUbOyXUcpJJvscTJNLLjzZHfHTcxOKfaXc1hewXdo/lz28iyxvgHaynIODweRWj4jtNGs9SaPQr+6u0DuJBcWYg8sg8AYkfcPfis60tpL28itoNnmTOEXzJFjXJ9WYgAe5IFEXezRUkldMuSeINTlg1KGS5zHqkyz3g8tf3rqxYHpxyx4GBzVy78ba/qGkf2bfXkdzB5Yi3S2sTS7B0XzSu/AwP4qTUvB2raVYSXl42mmGPG7yNVtZn5OOESQsevYVhUaWsGjdzo7Px/4ksLGK0t7+Py4YjBE8lpDJLHGQQUWRkLqMEjAPeo9F8ceIfD9mlrpd+qQRyebEk1vFMIn/vJ5itsPHVcV2fgnwlpmk+I7D+1tVD6tcaZNdrposy6Kj2zsm6Utw23DY2n65rL8N/Cu91zRrDUJ5L+FdSZltTaaVJdIoDbd0rqQI1yD/eOBnGKfV/11f8AkZ80La7HCTzSXNxJPOxeSRi7se5JyTUkV7dQWs1tBczRwT482JJCFkx03DocZPX1rtvC9s9ovi3w9qthp8zWOnXknmSWcTyxzR4XKyld4AwcAHHeuN03StQ1m8FppFjc31yVLCG2iaRyB1OACaStstrX/r7jS+9+j/r8xdP1W90r7V9gm8r7XbvbTfIrb42+8vIOM46jmp4/EerwrpggvpIjpJY2TRgK0O5txwQMnJJ65p1jofm6vNpur3kWiXEQK41CORQJAR8jYUlD15IwMc1r6f8AD3VJ/FGm6TqJW0g1HeYL+IrcQyKiliUZG2v06A8Z5xTvsyXy6plG+8Z63qV5aXV3NatNZy+dEyWECfPwdzBUAfoPvZqo/iLVpbXUbea8aWLU5Vmu1kVX8yQEkPkjIbJPIwcEjpW3ceB47uHSbjwtqbarBqd6bBPOtvs7xz/KcMu5hghgcg+tX/EXwvutC0C81NJr900+VEuftelSWqMGbbuidz+8GcdQp5BxU6Jf15f8AE43sv63/wCCc5D4u1qDw/8A2It1G+n4dVjltopGjDfeCOylkB/2SKsxeLHtfh7P4XtYXCXl0tzcyyOGXK/dCKFBXtkknOOMc5u6l4Fi07QZNeOsRy6RLEh0+dYhvu5j1iKbvkKYbccnGBjORV19B8Ij4Y6XqVxqV9BeTXc8cksenLIWZY4z5fMwG0FuG6nJ4GKbtZ38vzEnG6t/Wn9f0jgqK1dK0vT77S9Uub3WIrCezhV7a2eJmN2xOCoI+7j3/wATWVTLCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACvV/Bf8AyKFl/wBtP/RjV5RXq/gv/kULL/tp/wCjGrzcx/hL1/Rno5f/ABX6f5Hmeqf8hKX8P5CqlW9U/wCQlL+H8hVSvRjsjzVsFFFFMYUUUUAFFFFABWxpuvf2f4Z1nSPs3mf2p5H73zMeV5b7umOc9OoxWPWnonhzVfEU00ekWom8hN80jypFHGucAs7kKMn1PNAnbqdBD8Qmj1KGWTTElszpEWk3dq05HnogHzBwAUbKgjrjHeq1n4ustG8W2Gs6DpM0CWgYNBd3xnMm4FSQ4VdpweMDggGrPibwNc2fibT9E0aykku5NLgubiPzVYK5j3SMXztCg55zgDvWRcaDJ4c1a2TxZYXDWkyGRfsV1H++XkZSUB0OD14PpxS0b+/83/wSUo8tl2X5L9DYuvH8UFlpsHh3TrmxbT9S/tJZby++1M0mAMfcXC/L71HqvjLSrrw/qen6T4ebTZNVuIri6k+3GVAyFiAiFAVGXPVjWd430S08O+Mr7S9NaZrWDYYzOwZ8NGrckAA/e9BWABk4FKya/ry/yRSS3X9f1cka4maERNLIYx0QscD8K3F8a6vbaUmnaS0OkweWI5WsIhFJcccmST77Z7jOPas3VNF1PRLkQavYXFlKw3Ks8ZXcPUZ6j3Fai+AvEjaOuppp6tbNb/agFuYjKYevmeVu37ffbTdra7BpdElr4x+zQ+Fk+w7/APhHrl7jPnY+0bpVkx935fu4zz1q1beN7WSzvLDXNIkvbGa+kvoFgvDBLbyP94B9rBlIAyCvbPFZmkeDNf12zW60yw8yF3McbPNHEZmHVYw7AufZcmqkfh7VZtPe9hspJIY7kWj7CC6SnorJncM9ASMEgjrT8v61t+tibR3/AK6/8E0dN8Vpolxqd3ollJbX1yPLtLp7ne9lGfvbTtGXIwN/GBnA54ddeMDL40sfE9rp8dvfQPFPcKHzHcToctJtAG3djJHPJJzzVnw38PdQ1vxLf6PdS29nNYRStOGu4ch1RmCjLgHlcEjO3qcVz2q6Vc6NefZb025l2hv9Huo7hcH/AGo2Zc+2c0rpNfh/X9dx2i7r7y14h1LSNTvBPo2kTaZvZnmWS88/cxOePkXaBzxz9azrS5azvIrmNIneJw4WaNZEJHYqwIYexGKk07TbzV7+Oy0y2kurqXOyGJdzNgZOB34FINNvDqaacbaVLx5REIHXa+8nAUg9Dk96cVayRTa6mpqXi691SwktJ7DRoUkxl7XSLaCQYOeHRAw/A1hVu614L1/w9aG61SyVIBJ5LyQ3Ec6xv/ccxs21uDwcHinXHgnXbTSBqV1bQQW5hWdRJewrI0ZGQwjL7yCD2FLS1xabG5YfEWzgktL+/wBANzrVnYmxjvY70xo6eWYlLx7DuYK2MgjOBVGy8Y2D+H7LS/EOjTagNPDLaT21+bZ1RmLFH+Vgw3EkcAjPWqNr4I8Q3ulDUbbTi0DRNMgMqLJJGucukZbeyjB5AI4qk/h/U0TTGNqSurD/AEIq6t53z7McHg7hjBwadrvz/wCH/wCD+JNo2LfhrxHHoGrXVxPY/bbS8tpbW4tzMUZo5Bzh8HBHHOD9Kzry6gOpSz6RDNYQMf3cRn8xkGOhfAz+QqK+sp9N1C4srxAlxbSNFKocMFZTgjIJB5HY1BS0dmXazZo6TrMmk373gtLO9mZCFN9D5yo2R84U8E8fxAjnpWvpnj3VYPF1nruszTaq9oHCQyTbFUMhXCgAhBznAGOK5eui8A6La+IvHGn6VfqzwXBcMqvtJwjEc9uQKe5Lsk2xdN8YXOk6Fp9lYwBLmw1X+04rkvkFtiqFK46fLnOe+MUviDxBousRvJZ6FcafdTS+ZMw1EyRepCRlMqCfVmxVTV/CetaG1r/aFmAt2Stu8EyTpKwIBUNGzAsMjjOeak1bwZr2h2BvNSsfLgVxHIyTRyGFz0WRVYlDweGApaPX+ui/RAkun9b/APBNW98f/btNvNHm0tRobW6x2Fis3/HlIn3ZQ+35mJLbuBu3HpxilpvifTo/Co0PXNGfUIobl7q2lhvDA0buqqwb5G3L8qnHB96rS+Dtbi0M6v8AZopbJY1kkeC7ilaNWxguisWQcj7wFb3gv4dX+r3lvd6vZFNJmtp51JuUjkcLE5VlQtvK7gOQMe9Dsk7/AD/P7xe6krGVoEvh628La8+uQxXN/NEsWmxhpBLFJnJk4Gzbjrk54wBya5qtLTvD+qavp2oX2nWjT22mxiW7kDAeUpOAcE5PTtms2n1KQUUUUDCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAK9X8F/8ihZf9tP/AEY1eUV6v4L/AORQsv8Atp/6MavNzH+EvX9Gejl/8V+n+R5nqn/ISl/D+QqpVvVP+QlL+H8hVSvRjsjzVsFFFFMYUUUUAFFFFABXWeGNR0uXwtrHh3V7/wDssX0sFxDeGFpEDR7hscIC2CHyCAcEdK5OtHQtEu/EWsRadYGJZZFZy8z7UjVVLMzHsAATRurf13FI9Fi8aaDY+KHgjvop7Kbw9BpX9oNYedGksYT5jDIuWQlMEEZ5zjiuT8aay1/9gso9X03UrW0V2i/s7TfsccRcjcNvlpknAOcVi6xpcWlXKRQapY6mrLu82yZyq89DvVTn8Kz6W7v/AFu3+ooxS2/rSx1/xAu9H1rV217SdWS4kvVi8yxNvIkluViVTuYjaeV/hJ61i6r4guNYtraC5tdPgS3GFa0sYoGbgD5mRQW6d6yqKBpWSO2l8c2em+Gbjw/4fs7m5s7mMpJLrE3m7CerRQj5Im/2vmPvWjZ+K9Gh8YeGr2S9xbWWgfYrl/Kf5JfJlXZjGTyyjIyOetchJ4eltvCsWt3lxFAt1KY7O3bJkuAvDuPRQeMnqcgdKZ4b0KTxJrkemwzLAzxyyb3GQAkbOfzC4oaTTv8A1o/0ZKSSv/X9aHc6N4v06XwloloNU0vR7/SA6E6joq3nmAyF1eOQRuytzgg4GRnNU/Cfjm28L3mpeILqdtS1XUrkxy2iBokERYO8xIAG8n7gH3TkntXntbui+FpNc0nUL211OwjlsIJLiSzlMomeNACWXCFO+OWBofWT/ruHKrW/ryNbQdQ0LQPiNPImpyXGjzRXEC3xhbeqzRMoZkIBJUtzjrg4zWFcfZvD+uQy6TqFnrKwgOJWtGMRbn5THMo3fiMU3w7on/CQ6sumx3kFrcTKRb+eSFmk/hjz0BboCeM/Ws+eCW1uJLe4jaKaJyjowwVYHBB/GjZorRtmmdUttW8RJe69H9mtzjzF0m2ihIwONqABQScZP4811ieOG8ReIfDWlxWPl2lnqUDRT3czXN23zgYaZsfL/sqAK88p8M0lvOk0EjxSxsGR0YhlYcggjoaqNk15EyjzJ+lj0fxVeaLoUXjKytNYGp3utX2028dvJGtqEnLsXLgAtn5RtyOSc1zHjbVbPV9WsZtOm86OLTLSBzsK4dIVVhyB0IIz0rn5ppbid5riR5ZZGLvI7FmZickknqTTKzjG0Uv62sXb3m/66f5Hq7+O7SfT9P1HS9Z0rSdQsdPjtzb3WhLNPvjj2fu5xG3DAfxMMZNZPg7xdpGn+HMa27HUdDnkvdGQRlhLJIm0oSOFCuEk59CO9efUVTV7+ZCgkku3/DfkOkkeWRpJGLO5LMxPJJ710/g7xYnhlLtXudeg88qR/ZGpLag4z9/Mb7uvHTHNctRT2Vimubc3fFuvr4j1aO7SfVZgsIj3arei5l4JOAwRcLz0x61N4A1Wy0Txxp+oapN5FrD5m+TYzYzGwHABPUiucopWVrA1dWO48PeLLDRPDeh+b/pF1p3iH+0Htdp5i8tBkEjbklTxntVzxd4lt59Jv4dH1/Sbi11GZTJaW2hLaXBQNvHmSCMAkHHRjmvO6KHq7/10/wAhKKT/AK7t/qesXXibwrb6LrkejXml29pe6Wba0sI9LdLxJDsOJJ9mG5U5O8g8cVFp3iPw1Prmm+JbrWxZz2mkGxl02S1lZi627QgxsqldpyDyRjmvLKKGr3/rv/mxKCSt/XT/ACR0/hzw8uo+FfEOqXOpT6fDYwL5YETGK7kLf6otkDd0IHJ79q5il3Nt25O3OcZ4zSU+paCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACvV/Bf/IoWX/bT/wBGNXlFer+C/wDkULL/ALaf+jGrzcx/hL1/Rno5f/Ffp/keZ6p/yEpfw/kKqVsPouqavqN2dJ028vhAqtL9mgaTyxjq20HA471j9OtejHZHmrYKKKKYwooooAKKKKACu6+E+rahpvie7j0+9uLZJdOu3kWKQqGZLeRkJx1IPI9DXC0UdGu4mrneeAtY1HV/iKNR1a9mvryOwumSe5cyMClvIVOWz0IyKXwb4hk8Q/ETS5fG2oSagkKSrbm9mG1ZSjGMbnBUDft6gjOMjFcFRR1v/XXX8RON0z2HxBeK2oeHbTxxoWr21uNVR3v9au45mMHAeNSkSZj6HuBzik+Il7fReGdRtdT0DVmtZblPsV9d3sM1tBhiR9n8uJcKy5GAcYx6V4/RU8ulv66f5Ao2d/66/wCZ1/j5We38M3MPNjJokCQEfdDJlZV+vmbifrXpPh6TWlu9JbQC3/CGjQ3E5t9vlLP9mfzPNx0k83ueemOK8ZXXr4eHG0N3SSxM4nRJEDNE+MEo3Vc8ZA64FZtOSupLvf8AG/8AmLl0Xkrfl/ke1+Dp2tfA2hzeF9K1XUnRpDqkOl3cMe+TzDhbhGidmQptxk7cZ781yPgvbqfivxPbadaC2k1DTL2Kzsg4JDNysSnjJwMD1xXBUUNXbfe/4go2XzT+53L8mk6nY66umS2s0OpLKqCAjDhzjaMevIrpvGMss3xmvG0YxSXf9oxrGTtKNOCoJOeMGQHrxXNaLrd54fvze6YY0uvLaNJWjDNFuGNyZ+62Oh6jNQWN/NYajHewiKSaNt6+fEsqk+pVgQfxFNaNPt/X6DabuavjddYXxtqg8TRxR6r55NysQUKGIB428YxisGp769udSvpr2/mee5ncvLK5yWY9TUFTFWikWwoooqhBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXq/gv/kULL/tp/6MavKK9X8F/wDIoWX/AG0/9GNXm5j/AAl6/oz0cv8A4r9P8jjdCupbP4kaVPAssjpf25EcRwz/ADL8o+vSqnjCyi0/xhqdvBe296i3MhEtvu2jLH5eQOR0OMj0Jq/od9pGleMo9U1qW9H2GaK4hitIEfzmXDbWZnXYOByA30rnb66N7qNzdFdhnlaQrnONxJx+teh0j8/0PMh1+X6kFFFFUUFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXq/gv/kULL/tp/6MavKK9X8F/wDIoWX/AG0/9GNXm5j/AAl6/oz0cv8A4r9P8jzPVP8AkJS/h/IVUoor0Y7I81bBRRRTGFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXq/gv/kULL/tp/wCjGoorzcx/hL1/Rno5f/Ffp/kf/9k=)

연결리스트의 첫번째 PCB를 삭제하는 함수이다. vruntime이 작은 순서대로 정렬되어 있기 때문에, 첫번째 노드를 삭제하도록 구현했다.

![그리기이(가) 표시된 사진

자동 생성된 설명](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAkACQAAD/4RDcRXhpZgAATU0AKgAAAAgABAE7AAIAAAAKAAAISodpAAQAAAABAAAIVJydAAEAAAAIAAAQzOocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAOydtO2VnOuCmAAABZADAAIAAAAUAAAQopAEAAIAAAAUAAAQtpKRAAIAAAADMjYAAJKSAAIAAAADMjYAAOocAAcAAAgMAAAIlgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADIwMjA6MDQ6MjQgMDU6MjU6MTIAMjAyMDowNDoyNCAwNToyNToxMgAAAHTHXNWYsAAA/+ELHGh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8APD94cGFja2V0IGJlZ2luPSfvu78nIGlkPSdXNU0wTXBDZWhpSHpyZVN6TlRjemtjOWQnPz4NCjx4OnhtcG1ldGEgeG1sbnM6eD0iYWRvYmU6bnM6bWV0YS8iPjxyZGY6UkRGIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iLz48cmRmOkRlc2NyaXB0aW9uIHJkZjphYm91dD0idXVpZDpmYWY1YmRkNS1iYTNkLTExZGEtYWQzMS1kMzNkNzUxODJmMWIiIHhtbG5zOnhtcD0iaHR0cDovL25zLmFkb2JlLmNvbS94YXAvMS4wLyI+PHhtcDpDcmVhdGVEYXRlPjIwMjAtMDQtMjRUMDU6MjU6MTIuMjYyPC94bXA6Q3JlYXRlRGF0ZT48L3JkZjpEZXNjcmlwdGlvbj48cmRmOkRlc2NyaXB0aW9uIHJkZjphYm91dD0idXVpZDpmYWY1YmRkNS1iYTNkLTExZGEtYWQzMS1kMzNkNzUxODJmMWIiIHhtbG5zOmRjPSJodHRwOi8vcHVybC5vcmcvZGMvZWxlbWVudHMvMS4xLyI+PGRjOmNyZWF0b3I+PHJkZjpTZXEgeG1sbnM6cmRmPSJodHRwOi8vd3d3LnczLm9yZy8xOTk5LzAyLzIyLXJkZi1zeW50YXgtbnMjIj48cmRmOmxpPuydtO2VnOuCmDwvcmRmOmxpPjwvcmRmOlNlcT4NCgkJCTwvZGM6Y3JlYXRvcj48L3JkZjpEZXNjcmlwdGlvbj48L3JkZjpSREY+PC94OnhtcG1ldGE+DQogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgIDw/eHBhY2tldCBlbmQ9J3cnPz7/2wBDAAcFBQYFBAcGBQYIBwcIChELCgkJChUPEAwRGBUaGRgVGBcbHichGx0lHRcYIi4iJSgpKywrGiAvMy8qMicqKyr/2wBDAQcICAoJChQLCxQqHBgcKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKir/wAARCADRAt8DASIAAhEBAxEB/8QAHwAAAQUBAQEBAQEAAAAAAAAAAAECAwQFBgcICQoL/8QAtRAAAgEDAwIEAwUFBAQAAAF9AQIDAAQRBRIhMUEGE1FhByJxFDKBkaEII0KxwRVS0fAkM2JyggkKFhcYGRolJicoKSo0NTY3ODk6Q0RFRkdISUpTVFVWV1hZWmNkZWZnaGlqc3R1dnd4eXqDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uHi4+Tl5ufo6erx8vP09fb3+Pn6/8QAHwEAAwEBAQEBAQEBAQAAAAAAAAECAwQFBgcICQoL/8QAtREAAgECBAQDBAcFBAQAAQJ3AAECAxEEBSExBhJBUQdhcRMiMoEIFEKRobHBCSMzUvAVYnLRChYkNOEl8RcYGRomJygpKjU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6goOEhYaHiImKkpOUlZaXmJmaoqOkpaanqKmqsrO0tba3uLm6wsPExcbHyMnK0tPU1dbX2Nna4uPk5ebn6Onq8vP09fb3+Pn6/9oADAMBAAIRAxEAPwDyLWf+PJP+ug/kaxK6aW7jsLqxup4I7mKG6R5IZUDLIozlSDwcitXxBoVj4c02/wB6Quur3qDTpWQMUtBiQyKe2d6LkejCqjK1l3OqVZQkoNb7fr925wlXH0m+j0aLVngIsZpjAk24YLgZIxnPT2r0DU9MtjfeItJk0O1tdL02yeW0vUg2yblA8tjL1ffnoSR83HSsGYSar8MopUsLdri11IQeZbWiI/l+TxuKKC2SOpzmj2l1deX4mccTz2aWl/zV0czp9lNqepW1jahTNcyrDGGOBuY4GT9TUdxC9tcywSY3xOUbHTIODXo/hdRpZ8GyadpVrcpqF0Dd3ktsJXSQT7disf8AV7VAPGOua4DWP+Q5ff8AXzJ/6EapSvK3r+BdKs6lSStov82v0KdX9W0a70WW2jvgga6tYrqPY2fkkXcuffHaun8G20cPhHX9ZtNMttU1Sze3SKG5txcLDE5bfL5ZyG5Crkg4zXbS6fYa141W61azTz7XwpbXUFlDZCVfM2IDiDcoYKCx2Zxx3xiqlp/Xk2bc+v8AXdL9Tx3TtPn1W/js7QwiaTO3z50hTgZ5dyFHTuafrGkX2g6tPpmqwiC7gIEkYkVwMgEfMpIPBHQ10Xju50S6XTH0m1lhvAjrdynTFsI5vm+RliV2UEDIJGM4HFbXivSItR+OEMOrrJDpl7dWcck5BVSjRx9G6cjPNOPvNIHKyu+1zzarFxY3Vrb281zBJFFdIZIHZcCRQSpI9RkEfhXo/jhvD9vpGqae2mTQahb3CrZlNBSyFvhsMjyCVjICvQsCcjOaZ4u1zU7rwH4ZMWmac9vc6bKsssekwfuys8gIRwmY8DBO0jrnqanmvG6/rS5V3ex5nRXsj2fhPQdL0m3vbCa6sLzS0nleHQ0med3TLOt0ZQyFW4wAANuCD1rxs4ycdO1Pq12CMuZXCtfQfC+q+JpJYtGigmliGTHJdxRM3BPyq7AtwD93OK6XwRYpZeHbnXr57T7G92toI5NFTUZC4XceHIEa4PUHJ7dK19N0y00j9o9tP0yIQ20d1KsMQ/h3QsQo/E4Aok7O39dP8yXLRs890TQr/wAQ6gLLS1ge4IyqTXUUG7kDAMjKCckcA5qpeWk1hfT2d2nlz28jRSpkHaynBGRweR2rV8OQS2fjbRlu4ngIv4CRIpXjzBzzWxd6eq/GdodZgeK0m14rJ5qFQyGf5uvbBqkryiu9/wBP8wcuXmb6f8H/ACOd1bQr7RFs/wC0kSKS7hE6Q7wZEQ/dLr1XI5APY5pda0G+0C6ih1BExPEs8MsTh45o26MrDgjt9QRVjxjNeXHjbWZNS3fajeyiQN/CQ5GPoMYrVvGab4O6a93y8GsTRWhbr5RiVnA9g20/VjUKV4c39a/8OW7qSi/60v8AoYsfhvVJNAOteVDHYZYLJNcxRtIVxu2IzBnxkZ2g1lV2XjBLeLwZ4Rj06V7iz+z3DLPKnluZDN86lMnAGBg5Oc546VxtPqKLurhRRRTGFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFdX8O/8AkYZ/+vVv/Q0rlK6v4d/8jDP/ANerf+hpXNiv4Ejpwv8AGiZ+s/8AHmn/AF0H8jWVPd3N0kKXNxLMsCeXEsjlhGvXaueg56CtXWf+PNP+ug/kaxK2hsckUi3Lq2oz6fHYz6hdSWcf3Ld5mMa/RScCiy1XUNNWUadf3NoJhtkEEzJvHocHmqlFVZByxtaxesNb1XS43TTNTvLNJPvrb3DRhvqARmqTMXYs5LMTkknJJpKKLdRqKTukWdP1K+0m7F1pd7cWVwowJraVo3A+qkGpZtb1W41RdSn1O8lv1IIunuGaUY6fOTn9ao0Ux2Rc1LWNT1q4WfWNRu7+ZV2rJdTtKwHoCxPFOuta1W+sYLK91K8ubS3/ANTbzTs8cXGPlUnA/CqNafhqGO58V6TBcRrJFJewo6OMhlLgEEelOMbtRJk1Fc3YbeeIda1GwjsdQ1e/urSIgx289y7xpjphScCmwa7q9rpcum22qXsNhNnzLWO4dYnz1ygOD+VejeNLOyisNet9Zt/D1pdJfrHoy6X9nWYL5hDeYsB+6E/56c5/GsXxvqFt4e1jUPCul6Lpa2dmPs32ia0V7mRgozL5p+YEnJABAAxxWaldX7/8AOtjlbXxFrVjp8lhZaxf21nICHtobp0jfPXKg4Oa0LS58GLZxC/0rXZLkIPNeHU4URm7lVMBIHsSfrXpjaRpc1ra6b5Hh+fz/DsUsWmRWQj1CW4NvuDrNsUZ3fN98kgEbSTXLeCZ/ByeFb6HxBHHHfXIMADXRXzdp80Fv3beUPkCblJJ3EYHWqbs2u3+bRKldJpb/rqclFr93o+oXEnhO/1TSbaU8Kl6RIV9GZAobv2FUH1C9l1D7fJdzveb/M+0tKxk3f3t2c596imZHnkaGPy42YlU3Z2jPAz3rovDWg6deaPqmua/Ncrp2mmKMw2e3zZpJCQqgtkKMKSSQfpQtrluyMXUNV1DVrv7Vqt9c3txgL51zM0j4HQbmJNP1DWtV1dom1XUry+MC7YjcztJ5Y9F3E4H0rd03RtC1271p9NXUba1sdJlvIkuJ0dzKhXhmCAFeewB96ns/B1leP4KjFxOjeIZGS5bKkR4uDGCgx6DPOeaa3S/rr/kxOSSu+n+VzF8Q+IpfEk9td3ttCl8kIjuLmPIa6I4DuOm7GASOuMmk17xDLrf2OBbeKysbGHybW0hyVjHVmyeSzHkk9fwFW9YtvDb6jHYaIL+xdbgxTXWp3KyRBQcbtscQYev8XFR6j4cs7Cxe4h8U6NfuhGLe1Fz5j5OON8Krx15IpKzS/r+tx2s7EtzrVu/hS20LWNJuBeaeZDaXC3HlbBIQxEkZQ7vUYK9a5yvWfH2iaJrfiPxM9qdQg1jTLKK8kaSRGt5lCRKyqoUMpwwOSTnB6VWtvhhpSWNnDquofZ7y7slujdtqdpFDbs6b0RoHbzWGCAWGOvAIpXsrv8Arf8AyZMZK39eX+aPL6K77wP4GtPENtbnVbLUIlvLryIL6O/t4Yx0GVjlG6XBPIQ+3Wqtt4Y0XR9Fk1PxRJfzhtSlsLeHT2SM5iALyMzhuPmGFA555FWt7P8Arb/MfMv6+f8AkzjpoZbeZop43ikU4ZHUqR9QaZXeePtIudb+MevWenmASG4LD7RcxwLgKP4nYLn2zXNWemWEOtz6d4ivJbTZmMTWaJdKsmRjO1wGXrypPtmoi+ZJ9x3VjIorvrT4Yz2/jLRdN1q4zp+qrJJDcW2UkdFQt9yRQyHgfeXHpmov+EN0rX7XRLrwpJe26alqZ0ySHUXSQxSYVg4ZFUFcN0xniqWu39dPzE5pf1/XY4aivQfE3gbRNK0C+u7G9aO4sZUUJPqlnObxS20lEhYtGRwcHdx34qHVvBej6f4NHiuG4vZNNv0WLToGwJVuOfMErbdpRdrYIA3ZGMYNTzK1x31scJRXocg8KR/CXSLi60nUnne+uI2lhvYkZpBHFkkmEkpzwvUc8nNcjpUWhPpeqNrNxeRXyQqdPS3RSkkmeRITyBj0/wDrF9WuwJ3Sf9b2MqiiimMKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACur+Hf8AyMM//Xq3/oaVyldX8O/+Rhn/AOvVv/Q0rmxX8CR04X+NEz9Z/wCPNP8AroP5GsStvWf+PNf+ug/kaxK2hsckdgoooqygooooAKKKKACrGn3smm6na30Cq0trMkyBwSpKkEZx24qvV3RbJNS17T7GZmWO6uY4XZOoDMASPfmnG/MrEytyu+xHqV9Lqmq3V/cKiy3UzzOEBChmYk4z2ya3b7xxcarp5i1XSNJvLzyBB/aUsDfadoG0EkOFLAYG4qTx1rW1rwjoTaZ4gn0BdUt5dCu1tpPt0scqXO6Qx/Kyom1sjO054zzVPxFonhnwzJcaNdSapda3bRgSzwvGtsk2MlNhUswBOC24dDxWaa5dNhvWWu4D4kX6LbSw6TpMWo2tmlnFqQikM6IqbARukKBtvcLmuPr1Kb4a6WmipO1prtsh0ZNRbWJShshIYt/lY8sHk/KMOTkjiszwb4AsfEnhe/1GbUhHKibEQwS5jkDBjtCqfNPlK7bV5HGeOap2Td+n+b/UmMo8qt/X9I4CtjQPE134fF1FDBa3lpeIEubO8i3xTAHKkgEEEHoQQRWVMqJPIkUnmorEK+3G4Z4OO1bPh/wtN4gtb+7GoWOnWlgEM8967hRvbaoGxWJ5HpT6FSt1JrbxhNYa+dT03StMs0e3a2lsYonaCaNgQysGcsc5/vdhiprjx5ey6tod7babp1kuhvvs7W3STygfM8w7tzljlv8Aapj+BNVj8RTaU8loohthePemb/RxbkAiXfjO07hjjOTjGaJvBF1FqemWw1TTJLbVdwtNQSZ/s7sDgqSVDKc4HzKOozxzSW6/rv8A8H8SXy2d/wCv6X4GIuo3UWq/2lbStb3Qm85JISVKPnOVPUYNaeo+OPFGsWL2Wq+INSvLWTG+Ge5Z0bByMgn1FM1nwrqXh+wgn1lUtJp5ZI0s5CRNhDguVxgLuyAc8kHAxzUWseH59GstMuZ7uznXUrf7RGltPvaIZxtcfwt7UK1lYvRu/UvXPjfUrrV9Y1GSC1E2sWf2OdVRtqphBlfmyD+7HUnvxTm8az3OkQ2WqaRpWpSW9v8AZoLy5hfz4owMKNyuobb23A4rmqKLdP6/rUVkv6/rsdTo3j270iy063k0rTNR/suUy2Mt5HJvtyW3nBR1yN3OGzUdj43vLWG7t73T9O1S0uro3htr2Jikcx6uhVlZcjjGcHAzXNUU+tw5UaGva1c+Iteu9Xv1jW4u5PMkWJSFB9gSePxpNI1vUdBu2utHuWtbhkMfmoo3qDj7pIyp46jB96oUUlorIe5raR4l1DR/EkWuo4u72MsS12WfeWUqSxyCeD60618T6hZaLa6daFIVtL/+0IZ0B8xZdqqOc4wNoPTrWPRT2E0nudBrfisa7GTPoWj21zJIJZrq1heOSU98jftGc87VFTXHjzVbttRSeK1ezvrVLU2OxvJgRP8AVmNd2VKdQcnqc5ya5milZWsFkdBpfi6bTtBbR7jTNO1Oz843ES3sbsYJCoUspVl6gDg5HHSpdA13TNI8La9bXVml5falEtvAJLZSLcA58wSE5B6jaF54OeMVzVFD1v5hZBRRRTGFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXV/Dv8A5GGf/r1b/wBDSuUrq/h3/wAjDP8A9erf+hpXNiv4Ejpwv8aJn6z/AMea/wDXQfyNYlbes/8AHmv/AF0H8jWJW0NjkjsFFFFWUFFFFABRRRQAVe0S9j03xBp99OrNFa3UczhBliFYE4z34qjUtvbT3lwkFpDJPM5wkcSFmY+wHJoUuV83YTSaszd8V+MtW8TazczXOqahcWX2p5rWC5nZhCpYlcLkgEA44q/4j1rwt4mludZuU1W01u5j3TW8Ucb2zzbcFw5YMoJGSu09TzXJw209wspghkkEKeZIUQnYuQNxx0GSBn3Fb3izwhe+G9RmC2l6+nL5fl3ksDCNyyBiA2MdSR+FYudOLVNvXp+H/AHa7udTD498P219p+sRvrMl9Z6VHYtp5ijS2lZYfLO5/MJZD1xs5rzmO7uIVCwzyRqGLAI5ABIwT+XFat74ansPClprF2LqF7qcxpDLZSIrJt3LIspG1s+g+tPtdBsrzwhf6tBqM32uw8szWjWoCYd9oxJvyfX7o9Pel7an8V93brvf/N77CjGySX9W0MGt7SdctrDwf4g0qZJWn1L7P5LKBtXy5CzbjnI46YBrMsNK1DVZWj0uwub10G5lt4WkKj1IUGregeHrnXtfTTFZbUjc9xNMCFt40BLu3+6AePwra6b5bg7WuzsNP+JNtp+tQTQDUILaTQoNKuJrZxFcROgH7yI5IOGUcHGRnOKzNV8SaZq3iLT5dZ1fxFrul2oZ3TUNokZuuxf3jBVYhQWznGeOlczdWsE2tS2ug/abyBpSltvi/eyjt8q55PoKmufDOvWd9FZ3eiajBdTqWigltJFeQAZJVSMkAelG75v66v8AUXKlp/XY2fF3i+HxnZ297qVu0WuwyNEZIEAhktuqA85DJnaOOVxk5HMHi3S9D0qz0WLSZ3k1B7PfqaeekyRyk8BWTI6c4yccZ5zWB9juRZreG3l+zNIYln2HYXABKhumcEHHXmrt54a13T9PF9f6LqNrZkgC4mtHSMk9PmIxRZL+v69Rrp/X9WMyiitOLQbqXwtca8skItbe6S0dCTvLurMCBjGMKe9PpcZmUUUUAFFbvhXwhq3jC+mttItpZfIheWSRIXdV2qzBTtBwW24A7mqsvhvXIdWTSptG1CPUZF3JZvauJmHPITGSOD27UdbCujMorUj8N6yddi0eXSr+K/kP/HqbSQzAdSfLxuOACenaptd0O20HxfPpFxeXDW1vMqPctZNFJtIBLeS5BBwehIz680dguYtFb3izw9beHryxSxv5L+3vrGO8jlltxCwV84BUM3PHrRf+H4F8KWevaTdNcwM4tr2KRNr2s+MgcdUYAlT7EHpSvoF1p5mDRXQab4espvCtxruralNaQrc/ZIIre1EzSSbC/OXUKuMc8nnpXP0+thp31CiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAK6v4d/8AIwz/APXq3/oaVyldX8O/+Rhn/wCvVv8A0NK5sV/AkdOF/jRM/Wf+PNf+ug/kaxK29Z/481/66D+RrEraGxyR2CiiirKCiiigAooooAK1vCl+ml+L9KvZmCxQ3cbSEngLuG79M1k0VM4qcXF9QaurHpWuXnhu08Lavb6LPbfa7dU0sNERm8QyJK0wx94bkcZ9NlGqa3bXHiXxch1OGWyuNHVYR9oBjkkVYdoXnBYENwOeDXmtFcMcDFbyb9fO3+X4lc2tzrtLWPWPh5caWuo2dvdwakt0EvLlYg0flFflLHBIPYc81H4U8i78O+IdJa8tbW5vIoGgN3OsSPslyw3tgA49a5Witnh7qST3afo1Z/oLokeieGbyyj8Hz6Mh0mTUINRaaRb3UJLaOZNoVWSRJEVsEHgnvkU/RtQm8QeN/EtrILRNR1jTJrS3+ySFo5JgEIVWJOS4jIznkt715xTo5HhlSWF2jkRgyupwVI6EH1op4aMKkp33v+O4ntZf1rc674fX0Gl6xqtvdXi6Ve3WnzWlpezZUW0xI6sOUyAy7u2au+HQ3hb4haPc+Idasbi3Yyo09tfpdLCHQpuYoTtGWB9eDXFX9/dapqE17qE7XFzO2+WVzy59TVeunezfp+f+ZLjuu53ur2sOifDzTdJm1TTLu6GtyXJWxvY5wIjEihiUJxyp4ODWZ8RtU/tH4ga5JbX32qzku2MTRzb42XsQQcEfSuVootd3f9bL9BpW/rzb/UK6e1nI+FuoW32yxUPqkEv2ZpiLhtsbjcqY5X5+TnjFcxRTeqt/W9x21TO98PeINCs9BtoL6/t4p0B3o/hKzvCOT/y2dwzfiOOnauL1KWOfVLqWBg8TzMyMIFhBBPB8tSQn+6OB0qtRS63ElY6r4c39vY+L1F5eR2cVzaXNv50r7UR3hdVLHsNxHParfh7RdPsvFktt4k1KwuHWyeS1MWqD7PLN0WN50OFBGSeR2GRmuKop9b+Vvz/zFynoHxHv4JNN8Mw28lgl1aWs0c0Wn3/2tYQZSVXzN7noc43HGaqfEqGC+8QSeILHUrC7tNQWExpDdK0yERKCHjzuXBUjkVxVFKw0rM7XxfDBqnh7QdWstS0+SO10qCzmtvtSi4SVWYEeVncRyDnGMVFpsbad8KNbuLwbE1a7t4LNW/5aNEWeRx7KCFz6tiuPq1e6ne6jHbR3tzJOlpEIYFdsiJB/CB2ofXzf63Elol2/pHUX00dz8HLA29uloLfV3imEZJ+0uYVIkbcSQwAIwMDnpXG1qab4k1PSdPuLCzliNpcndJBPbRzpuwRuAkVtrYJG4YPvWXR9pv8ArYcVZW/rcKKKKYwoqa0tLi/vIbSyhee4mcJHFGMs7HgAD1qN0aORkcFWUkEHsaAG0UUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAV1fw7/5GGf8A69W/9DSuUrq/h3/yMM//AF6t/wChpXNiv4Ejpwv8aJn6z/x5r/10H8jWJW3rP/Hmv/XQfyNYlbQ2OSOwUUUVZQUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAanhmCK68WaTb3EayQy3sKSIwyGUuAQfwrufEC2OsaP4qE2l6bYtomrxQ209laJAwieSRCr7AN/Cg5PPHWvNYZpLedJoJHiljYMjoxDKw5BBHQ1M2o3rx3KPeXDJduJLhTKxEzAkhn5+Y5JOT6mh9P66r/ACf3k8ru3/XU9Z8Y2vhXQ49X0ZtOmMMVrixeLQ0RlfAKTG780s6t3yMHPAFU9K0myuPAMerS6RYnxLFYS/YrIxri7tlIBumi24Z0BfGfvbd3O3nzo+ItaOk/2WdYvzp2MfYzdP5OP9zOP0qJdY1Nb6G9XUbsXcCBIrgTt5kagbQFbOQAOAB2qbOzX9df69PkJRasU67Pwn4b0zV9Ie4vrGeeQSlQ0fiGysRjA48uZSx69en5VxhOTk8mnIjyyKkas7sQFVRkk+gFUVJXNHxFYwadr1xa2kTQwx7dqPeRXRGVB/1sQCN+A46dRW38O9NttQ1TU5ZrFNTurLTpbmzsJAWW4lUrgFRywALNt77a5JlKsVYEMDggjpT4Lia1uEntZZIZozuSSNirKfUEciktrBJXR3vhaeTxD8R9Hg13RNOgjkE0SwR6bHAkrGNtoKhQGIbbjPOcVQm0lLb4Y2E13YLDeNr0sLySQ7ZCgij+UkjOASePXNc7f6/rOq3EM+qatfXs0H+qkubl5Gj7/KWJI6dqXUvEOtayIhq+r39+ITmMXVy8uw+24nFNaf153Fyu9/62a/U6f4kamtt4n1fw/ZaXpVpY2l0Y4jb2ESSgL0zKBvPvk81zlza6Gmhwz2uqXcupsR5to9kEjTrnEnmEnt/CKpX0t5PfTS6m88l27bpXuCTIzHuxPJP1qvUxVo2HY9EtNB0K58NwT+MLe18Nt9nDW15a3Rea6G35Wa1+YnPHzZjHfmr/AIeaxs9H8DWj6Npd5Hrd7NBevc2aPK6eeqDEhG5CAxxgivLKtJqd/GtqEvbhRZsXtQJWHkMTklOflOQDkd6rTmu9iHBuNkz03Q9G0TR/C+oai0JmuItZls5JG0dNS8mJANilHkUJuyfmwScYBHenpNr4c1fxpr9sNO+x+FpIfNuLq5gEc2mkAYZPvEZkJUR5O4HHbI4Ox13V9Lu5brTNVvbO4mz5k1vcPG75OTlgQTzUUuqahPHcJPfXMiXUglnV5mImcZwzZPzEZPJ9TUpNb9v8v+H/AKuU43v/AF1/pf1Y9H02aTQ/j5pttFpun2dsLuC2t0FvHKjQFl2SqxXl2GG8z72SeR0rjvF99qN5rEg1PT7azMMsiKLfT47Xd83O7Yq7j05OTWPNf3lwYDcXU8ptkEcBeQt5Sg5CrnoAT0FWbzXtS1W6t5dcvrrVRARtS8uXk+XPKgk5AOO2KaW3kCVm36fgaHjVrl9fQ3vh2Hw7J9mixZwwmNSNvEmD3brn+ua56tbxJ4jvvFOrnUNSKhxGkMcaFiscajCqCxJOPUkk9zWTQilokgooopgFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXV/Dv8A5GGf/r1b/wBDSuUrq/h3/wAjDP8A9erf+hpXNiv4Ejpwv8aJn6z/AMea/wDXQfyNYlbes/8AHmv/AF0H8jWJW0NjkjsFFFFWUFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAEluYVuYjdJI8AceYsbBWZc8gEggHHfB+lem/EjxFaWemWvh3Rhq1pbHTrR1tzeRm22tGrndGIgS5zy27k5OO1eXVo63rdzr97FdXiRI8VtFbKIgQCsaBFPJPOAM+9J6q3mK3vX8v8AI3/Eej+GfD9nb2hj1a41S40+C6E4uI1gVpED42eWWIGcfeFdBbfDDSksbOHVdQ+z3l3ZLdG7bU7SKG3Z03ojQO3msMEAsMdeARXA63rdzr13BcXiRI8FrFaqIgQCsaBFJyTzgc1pt41nudIhstU0jStSkt7f7NBeXML+fFGBhRuV1Dbe24HFEr2du/4a/wDAJSlp6a+un/BOj8P/AA60y40HSr/XLlwdV3MrRalaWy2sYcpvZZm3ScgnC4475qjoFuPC9n4r1m0miub3SXSxsbqMhlV5XZTOp9dqNtPYsDWRp/jOe00aDS7/AErS9XtrVmNsL+F2aDccsFZHU4J5wcjNHhbXbKxm1DT9bjf+yNXi8q58gZaBg25JUB6lW7dwSKHdt2/r+tgs7aj/AA5olhqGl6tr/iO4u/sOntGrx2pXzriWUnaAzZCj5WJYg/SpdN0bQtdu9afTV1G2tbHSZbyJLidHcyoV4ZggBXnsAfes/RfElx4clvYLSO21Cwux5c9tew7op1U5UlQQVI6gggjPWp7bxhNYa+dT03StMs0e3a2lsYonaCaNgQysGcsc5/vdhijfbt+n+Y/eTNCz8HWV4/gqMXE6N4hkZLlsqRHi4MYKDHoM855rJ8RL4dgmNvoFvqkU0MzJLJe3MciuBxkBY1IOfUmrlx48vZdW0O9ttN06yXQ332drbpJ5QPmeYd25yxy3+1XN3E7XN1LPIAGlcuwXoCTmjV/j/wAAIp3d/wCt7/oddr1w/iH4d6Zrt8d+o2d42mSzn71xGIw8ZY92Ublz1xj0rCuYtCXwxZSWlxeNrTTOLuF0UQrH/AVPXPr/AE73vEWs2D6Lp2gaCZXsLItPLPKm1rm4cAM+3soChQPQE96dquu6ZN4E0jQrKzRru2lkuLi+a2WNyW/5Z7gSXA/vHHYY45H1t3/4f9WEdor1/W36I5qiiimUFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAV1fw7/wCRhn/69W/9DSuUrq/h3/yMM/8A16t/6Glc2K/gSOnC/wAaJn6z/wAea/8AXQfyNYlbes/8ea/9dB/I1iVtDY5I7BRRRVlBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBLbW015dRW1rG0s8ziOONRksxOAB+NbmueEW0GGQXWuaRNeQuElsbaZ5JY2zggnZsOO+GNZmi6pLomvWOqW6q8tlcJOit0YqwOD+Va/iK48J3xub/Rm1iG9uJfN+y3MUTRRlmyw8wPuYcnHyj3ofT+u3/BFrcbc+CNStdW1rTpJ7UzaLafa7hldtrp8nCfLyf3g64780sXgyT+wbTVb/AFvSdOjvYnltobmSXzJVVipwEjYDlSOSK6K/8beHLtdd1SOLVE1fWtMFnLbmKM28b/u8uJN+4g+X029+tctrut22p6B4esbdJVl0y0khmLgBWZpncbcHkYYdcc1Lvt/XX/gExu1r/Wi/W5hVq6Z4W8Qa1am50fQtT1CAMUMtrZySqGHbKgjPI4rKrd0XxDZaVYtBdeHrPUnLlvOnubmNgMDjEcqr29M81RTv0Mq+0+80u8ez1O0ns7mPG+C4jMbrkZGVIBHBzV/w54duPEl7Pb29za2i21s9zNPdMypHGmMk7VJ79hVPVLyLUNSlubezjso3xiCKR3VMDHBdmY+vJNafhbXLbRP7Y+1pK/27S57OPygDh3xgnJHHHufalrZvyB30t5E9z4F1SLWNOsLSWzv11KIzWt3bS/uZEUnexZgpULtbO4DGKZqHg+WxtrW8TV9MvNPuLn7K17bSO0cEmM4cFAw45yFIIBxmtnRPiDBoZ8KyW8Fw8mkQXUF1tYRllmdjmNwSQQrZyQMEVD4k8UWWuPY21x4k8Ualp4uBJcR6iEYxr0zGPMIZsEjJ20df67/5E3lfUzNZ8Ear4fsbm61YwW8cNwLeHLkm7JG7dFgYZApU7jgfMO5xVK58Pz2vhiy1x7uzeG8meJIEnzMhXqWTsD2/+uK6DxL400/xRoTWN1YPatprqmi+SARFb4AaGUk5PADBuTuz2PGfqul6HZeBNIuYp3OvXUsjXEKzpIiwfwNhclCfRuevGMUtbfd/X9bDTelzmqKKKooKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigArq/h3/AMjDP/16t/6GlcpXV/Dv/kYZ/wDr1b/0NK5sV/AkdOF/jRM7WP8AjzX/AK6D+RrFra1j/jzX/roP5GsWto7HJHYKKKKsoKKKKACiiigAp8IjadBO7JEWAd0XcVXPJAyMn2yPrTKKAN3xF4fttItdMvtNv3vrHU4XlheW38mRSrlGVkDMByOzGsKuy1+aOH4YeFraW3Saeb7TNHcuxDQJ5xXy1AIBBILZYE5PGK42l1Yk7oKKKKYwooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACur+Hf/Iwz/wDXq3/oaVyldX8O/wDkYZ/+vVv/AENK5sV/AkdOF/jRM7WP+PNf+ug/kaxa2tY/481/66D+RrFreOxyR2CiiiqKCiiigAooooAKfDK0E6SxhS0bBl3oGGQc8g5BHseKZUlvM1tcxTosbNG4cLIgdSQc4KnII9jwaED2Oo8Qad4s1TSrbWddjt0tY7dTbxh7e3KQk5BS3QqQpJzkJznNcnXoXxS1+5utRtLGS105I302ylLxafDHICYEOBIqhgvP3QcAcYxUPjXUY9His9F0/StJit5tJtJXlNhE05d4lZm80jcDk9jU7X9bfn/kTFtpel/y/wAzg6K9kez8J6Dpek297YTXVheaWk8rw6Gkzzu6ZZ1ujKGQq3GAABtwQetVtBs/DujeC/D+oXFm14uoNI16w0NL7zCshXyRI0qmEhQD8oz82cnpT6tfL+vuJ9ponbc8z0XRr3X9Uj0/TIhJNICSWYKqKBlmZjwqgckmnwaHd3OmanfwmJ7fTCgnYPnO9tq7fUZFdRpptovCfjufQlljXzIIohIMSJaNM24H8RGDS+CNRk0rwF4wu4re1uHQWYEd3brNGcykcowIP4ii9ym2r+pwlFev2Xh7QrvxjNeyWEcbP4ch1SKxt7Tz0891TeVg3KHABZtmcfUDFZV3Y6X4n8WeHbPw/AttqLGQ3c1zpCWkEwT51It1Z1Y4DAgY3cDFF9bP+t1+gudNX/ra/wCp5rV+20a7u9EvtViCfZbF4kmJbBzIWC4Hf7pr0690jw7rlr4ZuZ1iRZtd+wXdxHpaabviIQ4MaMV4yfm4PPPSq+tXV3J4A8Y2d5oVno62mo2kccdtZCA7d0oAYgZfAA5OTz15pN2X9eX+Y1K/9ebX6Hnmo6DfaZp9hf3CI1pqEZeCaJw6nHDKSOjDup5FZtdfpDNN8J/Ecd1zBBeWklru/hmYurY+qA5/3RVG1a5/4V7fKnhyGa2+2oW1owkvAcf6oP0APp7/AEpvr/W9v8xpnPUUUUxhRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXV/Dv/kYZ/8Ar1b/ANDSuUrq/h3/AMjDP/16t/6Glc2K/gSOnC/xomdrH/Hmv/XQfyNYtbWsf8ea/wDXQfyNYtbx2OSOwUUUVRQUUUUAFFFFABRRUluYVuYjdJI8AceYsbBWZc8gEggHHfB+lADrm7ub2RZLy4luHVFjVpXLEKowq5PYAAAdhRc3dzeyK95cS3Doixq0rliqqMKoJ7AcAdq9L+JHiK0s9MtfDujDVrS2OnWjrbm8jNttaNXO6MRAlznlt3Jycdq57xHo/hnw/Z29oY9WuNUuNPguhOLiNYFaRA+NnlliBnH3hSvv6/5kxd0vNfhoYFr4i1qx0+SwstYv7azkBD20N06RvnrlQcHNJpviDWdGjkTR9WvrBJf9YtrcvEH+u0jNegW3ww0pLGzh1XUPs95d2S3Ru21O0iht2dN6I0Dt5rDBALDHXgEVX8P/AA60y40HSr/XLlwdV3MrRalaWy2sYcpvZZm3ScgnC4475o6tE88bXOP8N6/eaHrP2i3hW9FyrQXNpKCy3Ub/AHkYDnnsRyDg1Qa8uIlure3eW2t7hh5tssjBW2nKhh/FtPTNdjoFuPC9n4r1m0miub3SXSxsbqMhlV5XZTOp9dqNtPYsDTPhguk3fie8Gu2lxeu1jdSIVmQAYhkLEhkbLeh4weeelK6av2X/AAf69Sm7X9TkxquoC6guhf3X2i2RUgm85t8SqMKFOcgAdAOlSXuvavqN9Fe6hqt9d3cOPLnnuXeRMHIwxORzWtpel6br/iqO30XSdVlsREXlgN9F5oAByxlMaoi9OSvHrWp4k8NaR4S1PQ79kvZdPvonma2S+gkljdHK4EyK0bDIB+76jFV1VwutkcvqfiHWtaSNdZ1e/wBQWM5QXVy8oQ+24nFLeeI9b1GwSy1DWdQurSPGy3nuneNcdMKTgVv/ABHmuNP+Kmo3NteXBuY5op47hiqyKxjRgcoqgEE9QB0qT4mXlzqF54du76eS4uJtBtnkllYszsS+SSepqfsp9/8AJv8AQate3l/l/mYmqa5cz6Dp2jJZrYWVsPOKIDm5lYczMT1JHA7AdKRfE13F4Qfw7bIkNpPOLi5ZWctOy/dyCdoA/wBkDOBnOBWzHcP4g+Ft6NQPmXHh6aD7JO3LCCUlWiJ7qGAYDt81YUMWhHwrcyT3F4NcFwoghVF8hocfMWPXdn/Po31/rt/XyErWX9f1/wAEyqKKKZQUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAV1fw7/wCRhn/69W/9DSuUrq/h3/yMM/8A16t/6Glc2K/gSOnC/wAaJnax/wAea/8AXQfyNYtbmouscULyRLMqzKWjckBxzwcEHB9iDVzxXY6cNE0DWNL09NPGpQSma3hkd41eOUr8pdmYZGCQSa2jojji+hy9FFFWWFFFFABRRRQAUUUUAaOt63c6/exXV4kSPFbRWyiIEArGgRTyTzgDPvS63rdzr13BcXiRI8FrFaqIgQCsaBFJyTzgc1m0UAlb8jpW8az3OkQ2WqaRpWpSW9v9mgvLmF/PijAwo3K6htvbcDim6f4zntNGg0u/0rS9XtrVmNsL+F2aDccsFZHU4J5wcjNc5RQLlVrHR+FtdsrGbUNP1uN/7I1eLyrnyBloGDbklQHqVbt3BIqho2tT+GtfTUNLMcxhLoBPHlJUYFSGXPQqTxnv1rLooCy18zo7bxlNY61NfafpGl2sNxbG1nsI4nME0ZOSGDOWySAchgeBVfxB4ml1+3sLY2Flp9rp6OkEFmrhVDNubJd2J5PrWJRSsOyN7xD4rn8Swwm/07T0u4wgkvoY2WacKu0b8sV6AdFHSi/8Vz6n4etdLvdO0+SS0hWCG/8ALYXCxKxITO7aRyR93OO9YNFAkkrHR3es2Fn4Jh0PRzLJLeSrdancSJtyyghIlH91dxJPcn2p0Ou6Za/Di40RbNLjUry8Wdrl7ZVa2VeNqyZJbdxxgAc9c8c1RQ9b+f8AX6BbYKKKKYwooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigArq/h3/wAjDP8A9erf+hpXKV1fw7/5GGf/AK9W/wDQ0rmxX8CR04X+NEoajDJcRQwwRtJLJMqIiDJZjkAAdzW54uGoaD4H8OeHbkTWMjJNd3tg+UbzDKQjSL1zsUYz2+tYGr/8ea/9dB/I1jVtHVWOOK6hRRRVlhRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAV1fw7/wCRhn/69W/9DSuUrq/h3/yMM/8A16t/6Glc2K/gSOnC/wAaJm6v/wAea/8AXQfyNY1FFbx2OSOwUUUVRQUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFdX8O/wDkYZ/+vVv/AENKKK5sV/AkdOF/jRP/2Q==)

연결리스트의 모든 노드들을 free 해주는 함수이다.



타이머가 울리는 시간을 1초로 정의한 함수이다.

**<ku\_cfs.c>**

![스크린샷이(가) 표시된 사진

자동 생성된 설명](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAkACQAAD/4RDcRXhpZgAATU0AKgAAAAgABAE7AAIAAAAKAAAISodpAAQAAAABAAAIVJydAAEAAAAIAAAQzOocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAOydtO2VnOuCmAAABZADAAIAAAAUAAAQopAEAAIAAAAUAAAQtpKRAAIAAAADNTAAAJKSAAIAAAADNTAAAOocAAcAAAgMAAAIlgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADIwMjA6MDQ6MjQgMDU6MTk6NTQAMjAyMDowNDoyNCAwNToxOTo1NAAAAHTHXNWYsAAA/+ELHGh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8APD94cGFja2V0IGJlZ2luPSfvu78nIGlkPSdXNU0wTXBDZWhpSHpyZVN6TlRjemtjOWQnPz4NCjx4OnhtcG1ldGEgeG1sbnM6eD0iYWRvYmU6bnM6bWV0YS8iPjxyZGY6UkRGIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iLz48cmRmOkRlc2NyaXB0aW9uIHJkZjphYm91dD0idXVpZDpmYWY1YmRkNS1iYTNkLTExZGEtYWQzMS1kMzNkNzUxODJmMWIiIHhtbG5zOnhtcD0iaHR0cDovL25zLmFkb2JlLmNvbS94YXAvMS4wLyI+PHhtcDpDcmVhdGVEYXRlPjIwMjAtMDQtMjRUMDU6MTk6NTQuNTA0PC94bXA6Q3JlYXRlRGF0ZT48L3JkZjpEZXNjcmlwdGlvbj48cmRmOkRlc2NyaXB0aW9uIHJkZjphYm91dD0idXVpZDpmYWY1YmRkNS1iYTNkLTExZGEtYWQzMS1kMzNkNzUxODJmMWIiIHhtbG5zOmRjPSJodHRwOi8vcHVybC5vcmcvZGMvZWxlbWVudHMvMS4xLyI+PGRjOmNyZWF0b3I+PHJkZjpTZXEgeG1sbnM6cmRmPSJodHRwOi8vd3d3LnczLm9yZy8xOTk5LzAyLzIyLXJkZi1zeW50YXgtbnMjIj48cmRmOmxpPuydtO2VnOuCmDwvcmRmOmxpPjwvcmRmOlNlcT4NCgkJCTwvZGM6Y3JlYXRvcj48L3JkZjpEZXNjcmlwdGlvbj48L3JkZjpSREY+PC94OnhtcG1ldGE+DQogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgIDw/eHBhY2tldCBlbmQ9J3cnPz7/2wBDAAcFBQYFBAcGBQYIBwcIChELCgkJChUPEAwRGBUaGRgVGBcbHichGx0lHRcYIi4iJSgpKywrGiAvMy8qMicqKyr/2wBDAQcICAoJChQLCxQqHBgcKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKir/wAARCAFlAtoDASIAAhEBAxEB/8QAHwAAAQUBAQEBAQEAAAAAAAAAAAECAwQFBgcICQoL/8QAtRAAAgEDAwIEAwUFBAQAAAF9AQIDAAQRBRIhMUEGE1FhByJxFDKBkaEII0KxwRVS0fAkM2JyggkKFhcYGRolJicoKSo0NTY3ODk6Q0RFRkdISUpTVFVWV1hZWmNkZWZnaGlqc3R1dnd4eXqDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uHi4+Tl5ufo6erx8vP09fb3+Pn6/8QAHwEAAwEBAQEBAQEBAQAAAAAAAAECAwQFBgcICQoL/8QAtREAAgECBAQDBAcFBAQAAQJ3AAECAxEEBSExBhJBUQdhcRMiMoEIFEKRobHBCSMzUvAVYnLRChYkNOEl8RcYGRomJygpKjU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6goOEhYaHiImKkpOUlZaXmJmaoqOkpaanqKmqsrO0tba3uLm6wsPExcbHyMnK0tPU1dbX2Nna4uPk5ebn6Onq8vP09fb3+Pn6/9oADAMBAAIRAxEAPwDx6+1W8trySKGbai4wNoPbPpUcOq6tczpDbu8ssh2pHHEGZj6AAc11nhe2LXGtXaafZXMkVv5cT3F15R3SBU2f6xQAVZuevYHNP1WaKx+J9lAdPtPLjMNpD5F3JlApC7spJlWGCMHHuM812Qw6ai31sEsVFVJU1G7Sb6eXT5nHPrOpxuyPMVZTgqY1BB9OlN/tzUf+fj/xxf8ACtfTNNtb74iy2N7G0tt9pn3I0jZYKHIy2c9hznNTrpGm67a6PcWVqultd6ibGZElZ0xhCHG8kg/MRjNRCjzxTX9bL9TaVelCVpLpe/3/AD6Mwhreok4Fxk/7i/4VavrjxBpjIupQ3NmZBlBcW3l7h7ZXmjW7nS0knsdP0VbVoZSi3DzyNKQpx8wJ25PsBip9bZn8H+HCxLHbc8k/9NKShBptFc+sPdsm7a27N9H5Gb/bmo/8/H/ji/4VLb6pq13dRW9tKZJpnCRoEXLMTgDpW7BoOnP4j0u2a2zBcaR9pdd7fNJ5DtuznP3lHA44qz4cttN0m+8LPLp4vLrUp0l+0PM6iH99sAUKQCRtyc561rHDpz5X3t+NjGpiqcYXjG7tfp5/5HLSaxqcUjRyT7XQlWGxeCPwpv8Abmo/8/H/AI4v+FdRa6PpSafc6rqjWbvNqEsCpeSzoihcE48pSdx3dyBx0NcvrkNhBrVzHo8/n2QbMLnPQgHHIB4PGcdqydNKKbtqbUqsKknFR2620Hxatqs8gjgkaRz0VIgSfwAqaG81ue6jt4y/nSruRGjVdwxnIyOmO9Z1leSWF4lzDjemcZ9wR/Wtrw5dyXvizTjLtHlx+UD7LGQKlRizo5Y9jN/tzUf+fj/xxf8ACj+3NR/5+P8Axxf8K0bnS7Sz1XTdPMPnJLIjPd7ztnViBhMHAUevXPp0qObTrZLHXHEWHtLpI4TuPyKWcEdeeg60cqXT+tP8x8kexS/tzUf+fj/xxf8ACj+3NR/5+P8Axxf8KoVvXsen6Rb2sL6et3NPbJO08krqAWGQFCkDA9880cqtcOSPYr21/rV7IUs/OuHAyVigDED6AVHJq+qQyNHLKyOpwytGoIPuMVp6Tfw2vg++JsIZSLiJXJkkXzM7yM7WHTHbHvVfSF066juDdJbvetIDFHdzPHGV74YH72cfeOKfIr2DljbYo/25qP8Az8f+OL/hUsGp6tc+Z5Ehfy0Mj4RflUdT0qpeWs0WpzW5tTDKshXyFy232HXNanhd1iuNSaaISqthKWjYkBunGRzSUYtByRvaxpeD/M17Vp7fUb6SGGK2aYvGEXGGUckqRjBNb3iLRbXTPDt3f6dqtxPNb+X8rNEyjcyjkBM9GyKg8HWFnPqiT20Bto9Q0yZZIVcsFIlVTgnJ5HrWx4y06Gx8E6o0O7MggBz/ALLIo/QVahGzuh8kbbHmH9uaj/z8f+OL/hR/bmo/8/H/AI4v+FUKKz5V2J5Y9i//AG5qP/Px/wCOL/hR/bmo/wDPx/44v+FUKKOVdg5Y9i//AG5qP/Px/wCOL/hR/bmo/wDPx/44v+FUKKOVdg5Y9i//AG5qP/Px/wCOL/hR/bmo/wDPx/44v+FUKKOVdg5Y9i//AG5qP/Px/wCOL/hR/bmo/wDPx/44v+FUKKOVdg5Y9i//AG5qP/Px/wCOL/hR/bmo/wDPx/44v+FUKKOVdg5Y9i//AG5qP/Px/wCOL/hR/bmo/wDPx/44v+FUKKOVdg5Y9i//AG5qP/Px/wCOL/hR/bmo/wDPx/44v+FUKKOVdg5Y9i//AG5qP/Px/wCOL/hR/bmo/wDPx/44v+FUKKOVdg5Y9i//AG5qP/Px/wCOL/hR/bmo/wDPx/44v+FUKKOVdg5Y9i//AG5qP/Px/wCOL/hR/bmo/wDPx/44v+FUKKOVdg5Y9i//AG5qP/Px/wCOL/hR/bmo/wDPx/44v+FUKKOVdg5Y9i//AG5qP/Px/wCOL/hR/bmo/wDPx/44v+FUKKOVdg5Y9i//AG5qP/Px/wCOL/hR/bmo/wDPx/44v+FUKKOVdg5Y9i//AG5qP/Px/wCOL/hR/bmo/wDPx/44v+FUKKOVdg5Y9i//AG5qP/Px/wCOL/hR/bmo/wDPx/44v+FUKKOVdg5Y9i//AG5qP/Px/wCOL/hR/bmo/wDPx/44v+FUKKOVdg5Y9i//AG5qP/Px/wCOL/hR/bmo/wDPx/44v+FUKKOVdg5Y9i//AG5qP/Px/wCOL/hR/bmo/wDPx/44v+FUKKOVdg5Y9i//AG5qP/Px/wCOL/hR/bmo/wDPx/44v+FUKKOVdg5Y9i//AG5qP/Px/wCOL/hR/bmo/wDPx/44v+FUKKOVdg5Y9i//AG5qP/Px/wCOL/hR/bmo/wDPx/44v+FUKKOVdg5Y9i//AG5qP/Px/wCOL/hR/bmo/wDPx/44v+FUKKOVdg5Y9i//AG5qP/Px/wCOL/hR/bmo/wDPx/44v+FUKKOVdg5Y9i//AG5qP/Px/wCOL/hR/bmo/wDPx/44v+FUKKOVdg5Y9i//AG5qP/Px/wCOL/hR/bmo/wDPx/44v+FUKKOVdg5Y9i//AG5qP/Px/wCOL/hR/bmo/wDPx/44v+FUKKOVdg5Y9i//AG5qP/Px/wCOL/hR/bmo/wDPx/44v+FUKKOVdg5Y9i//AG5qP/Px/wCOL/hR/bmo/wDPx/44v+FUKKOVdg5Y9i//AG5qP/Px/wCOL/hR/bmo/wDPx/44v+FUKKOVdg5Y9i//AG5qP/Px/wCOL/hR/bmo/wDPx/44v+FUKKOVdg5Y9i//AG5qP/Px/wCOL/hR/bmo/wDPx/44v+FUKKOVdg5Y9i//AG5qP/Px/wCOL/hR/bmo/wDPx/44v+FUKKOVdg5Y9i//AG5qP/Px/wCOL/hR/bmo/wDPx/44v+FUKKOVdg5Y9i//AG5qP/Px/wCOL/hR/bmo/wDPx/44v+FUKKOVdg5Y9jWudTu7G9uYrWXYkjxSONinLJyvUdienQ96z5buea+e8klY3DyGVpBwdxOc8e9S6r/yEpfw/kKqVUW7ISjHe25rzeKNXn1KLUJLlPtUIYLKsEan5hhicL8xIPU5NURqN0NPjslmIt45jOigAFXIA3Z69AO9VqKrml3EqVOO0V939d2at/4l1TVLUwX88cytgs5t4xI2OmXC7j+JqKLXdRh0htMSdTaMWPlvEjFc9drEErnHYis+ijml3BUaaXKoq3obFt4q1m0sVtILtREiNGhaGNnRWzlVcqWA5PAPem6b4n1fSbdYLG6CxRv5kayQpJ5beq7gdp+mKyaKfPO97idCk004rXyRp2PiLVNO88WtyNlw2+WOWJJUZv721gRn3xVC4uJLq5knnIMkjFmIUKCT7DgVHRU3bVi1CEW5JasKmtLuexukuLV/LlTO1sA4yMdD9ahopFFj7fc/YktPNPkxyeYi4GUb1B6j6Crdxr1/qEX2a/uf3EjqZWWBNzY7kgAsR7msyii4Go1rogUldUvC2OAbFRk/9/KZBr2o29otsk6tCgIRZYkk2Z/ulgSPwrOooGTJdzpZyWqviGV1d1wOSucHPXuanstWu9PjaO2aIKzbiJIEk59RuBx+FUqKLiLcWq3sOqDUo7hheBi/mkAnJ+vFMjv7mGW4kjlw9wjJKSAdwbr1qvRQM6fwj4qTQ9QWTUvOlt4rZ4YkhRSVLOrHqRxwe9bXifx7peteHLrT7WC8SWbZtaRFCjDhucMewrz6inzO1guFFFFIQUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAW9V/5CUv4fyFVK6zQvDH/CT+Kp4JZlitoYzLMRPGjkCMthQ5Gc7cZ5C9TxSDSdBTxfa6XcW1+ILgpFiHUreZld2ADeYiMpGD93Gc96zUlpHqc7xEItx3aV2cpRWldaRKfE9xpGmRS3Mi3TwQoBl3wxA6d+KXVfD2qaKIm1G2EaTEiORJUkRiOo3ISMjuM5FUpJ28zX2kbpX1ZmUVraj4Y1XSrEXl3BGbYuIzLDcRzKrEZAYox2njocVpax4HvdK0ayv/PtJBNbGeZftsGUIdhhQHy/AB+UHkkdqOePcn29LT3lrscvRRWk/h/U0TTGNqSurD/Qirq3nfPsxweDuGMHBqjVtLczaK3rLwVr1/d39vbWkW7TpfJu3ku4Y44nyRgyMwU8qeh7VVm8O6nBDqMrwRtHpjIl08c8bqhc4XBViGyR1XNK6C5l0Vu23gzXrvUorGCxU3Etmt8oaeNVEDAEOWLBVGCOpBFVNb8P6n4du47fV7byHljEsbLIsiSIf4ldSVYcHkE09hJp7GbRQBkgDvW3qvg/WtG00X99bRG0LiMzW91FOqORkKxjZtpODwcUbDvrYxKK37jwTrtppA1K6toILcwrOokvYVkaMjIYRl95BB7Ci08E67eaPHqkVtBHZyqzxST3sMJkCkglVdwW5BHApbCujAorqNJ0nQx4HvNc1mHULiVL5LOKO0ukhUbo2bc26N88r0GKydN023urG6u726kt4rdkX93CJCxbPbcvpT6tDTurmbRWnpg0ZdYMepxX17Zt8kf2aZLaTJIwx3JIMdeP1qbxdpFvoHjHVdKsmke3s7p4Y2lILlQcDJAAz+Ao7eYdbGNRRXVeK9A0zSdej8P6RHey6hG0aTXE86GOVnRT8iBAVGW7s1Ar6nK0Vt6l4eFnYy3FtdtcCBgsoaAxjBJAZCT8y5BGeKxKCrWCithPD8q6R/aF2Z443QvGIrdpMjsWbgKCffPtTND0J9ZuNrzrbQ7tglZd258ZCgdzx+Ap2d7CMqigjBIrT0jRzqazSSStFDDtBMcRkdmY4VVUYyTg9+1JagZlFXdV01tMu1i8wTRyRrLFIFI3qehweh7Y9qbplg+qalDZxMqNKcbm6AAZP14FA9ipRWlf6XBb6fFe2V21xA8rRHzIfLYMAD0ycjnrms2gAorUu9G+yaLFf/bIZmkl8sxRHds+Xdy3TPsPzrLo2dhBRWpp+jfbtPuro3kMZgiaRYc7nfbjsPujnqfyrLo2AKKtWMFnMz/brw2qKBjbCZGY+wyB+Zq+PD4HiJdNe6HltH5onWPPybN4O0kc47Zp2AxqKs3sdnFIosbma4XHzGWERkH6BmzVdV3MFGASccnA/OkAlFaWqaQNMtbOUXcVz9pVyfK5VSpxgN3+v86zaBhRWr/ZdlDpNtd3l9NHJco7RxR2wcfKxXlt46kelO07w/NeWBvpvOjtskAw27Ss2OpwMAAepIp2AyKKv6fZ2FzkXmoNbMXCIq25kJ9zyAB+Z9qsw6Eo1TULS9uTEtgjNJJFH5m7awHAyPX1osBj0Vp2n9iQ6ti+W/vrErj9w6W0m71+YSDA9O/qKl8WaLH4d8XajpFvK00VrMUjkcYZl6jOO+DS6i62MeitHXPD+qeGtQFjrdo1pctEsojZgflYZByCRWdQHmFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAdPo2o2umeLLqe+l8qNrKeINtLZZ4GVRwO5IFYmkXaWGtWN5KCyW9xHKwHUhWBP8qTVP+QlL+H8hVSpitn5GXs4u9+qO1TU9G0nx7JqkGp/brO+NyJHhgdHtllDKDhwMsN2ePTrUMl9oOmaJZaML1tYt21NL27eGJ4lWMLtKLvwdxBOTwOBzXJRp5kqpuVdzAbmOAPqas6pp7aXqk9k9xb3JhbaZrWTfG/urdxUqCVl/Whk6EXJXk72/Lrt5naa9rmjt4V1axsL3TZPtVzC9rBY6c1uyIhbiRig3HBH8Td+ax7+fStW8J6VnVEtr3TbWSBrSSCQmU+YzqVYArzuxyRjFZNrpD3WgahqqyqqWMkMbRkcsZN2MfTbWdSUEtE+v6f5BToQWkW9H5dvTsFeg+DfF2kad4b2607HUNCne80VPLLCWSRNpQkcKFcJJz6Ed64uTSLuLQ4NXdFFncTvbxvuGS6BSwx16MKfb6Q1xoN5qgvLONbSSOM20k2Jpd+eUT+IDHJ7Vq9mjoaUrGrZazar8P8AXdPubgm/vb61njQqxMgUS7znGOrDqe9S+E9Q0v8AsDXtC1i/GmrqaQNDdvE8iI8T7sMEBbBBPIBrlaKXf+v62G1c9LvPE+hR6xfLb6kLiAeFBpUU6wSKs06xquACoIBIPJArl9e1azvvB/heyt5vMubCC4S4Taw8stMzKMkYPBzxmucq9pOtanoN4bvRb+4sLgoUMtvIUYqeoyO3Aotd3f8AW/8AmJRsrL+tEv0I9Lks4tYs5NUieayWdDcRocM8e4bgPcjNeieJfEegt4M1zT9M1HSZftt1A9nbafpT2rxxozHEjGMbiAR1Zu/Ncv8A8JN4o8X3VroeqeIb+6gvLiOPZc3DugYsACQT2JrE1WwbS9YvdPdxI1pO8BcDAYqxXP6UPVJP+tgtd3/rqbHjbVbPV9WsZtOm86OLTLSBzsK4dIVVhyB0IIz0o8R6rZ3/AIZ8MWlpN5k9hZSxXK7CNjGd2AyRg/KwPGa5yijf77/n/mNKyXkrHW26s3wdvNoJ/wCJ5D0H/TCSsnRJzb7nTXG0xtw3KFkO8f8AAQQfoaseE77XW1e10TQ9bvdLXVLmOB/s9y8aMXIUFgpGetS2ngyW+h1lrfVtPE2krNJLayGUSyRxfedcIVxz0LA072k5f1okmJaK39at2M+8ngvvE7z2ERSCScMihccZHOB0z1x712Wt+IV8N/GDxPcvPq8AkupY92lXwtZD84OCxRsjjpj0rhdM1fUtFujc6NqF1p87KUMtrO0TFTzjKkHHA49qgurq4vbqS5vZ5Li4lYvJLK5d3Y9SSeSaO1ul/wAbf5Da5m7nVeIvG51XUtOvLaXVrt7JmYJr15HfpzjopjUAcc5Bzx0xU3juVtL+LV5fFJGX7THdDcSdwZVfAJ7c4HtiuKAJIAGSegrpPFkGs6VDYaPretzXkkMIkOntO7rYEjhMH5Q23GQvToaS92zX9f1YVtbBqGo2cWl3sNrqMl8btlWJGRh9njDF8HPGcnoOOtY0sNkulwSxXLveM7CWAx4CL2O7vTtU0xtLuIonurW5MkKTBrWXzFXcM7SezDuKpU+mhSkpLmR1lvrNgJbLUHvXRraz+zyWWxj5hClRg/d2nIJyar6F4htrW50+K+srdYbVmInzJuXOcnCtgnoOlY0mm3MWkw6k6AW08rwo24ZLKATx/wACFVKfNd3BNNaf10Oj8I+Gk8Z+Kjp/2ldLgdJJWn8ppUhCqW554HGMk8VX0a+ht7W8spb1rJpHSWG6QMQjoT1284IJ5FZEVxNCkiQzSRrKu2RUYgOM5wfUZFXNE0htb1L7Gl5Z2R8t5PNvZvKj+VS2N3qcYA9aWwdbsn1e8tL7UrSJJnNrbxJAZynLAHLPjr1J4osZdO07xQsiTvNZRSHy5jGQenysV9jg49qyKkt445bqKOeYQRu4V5SpYICeWwOTjrxTV7g3obmualFd6XBDLfrqN2kzMJ0iZAiEfdOQCSTz049aXXfCw0Tw1oWqNfCWXVo5JGtGhaN4ArAA8/eB7HAHB61S8Q6Bc+HNWayunjmVkWWC4hbdHPEwysinuCP6jtWfNcTXLh7iaSVgoUNIxYgAYA57AVO+watpm0/2AeEharqkDXIn+0eUIpc8oBtztxnPvj3p+m+Fhf8AgjV/EMl8Lf8As6SKOOB4WxcFzghX6ZHXHJxnpXPVIbiZrdbdppDCjFljLHapPUgdM8U3rcOxsaA1jDb3zXmow2zXFs8Co8cjHJwQflUjHH1qhYwWEl3Kl/eNDCqMUljjLb2HQY6gGqVFG4zW0EactxNNqU8MbxpmBJ0dkZ89W2gnA6470rPnXGnOvKJHBc3sayjDHt90MOPQYrIop3EbWv3sN99jSK4N9cxRlZrvYVMpJ4HPJwOMnmp/F3hZfCt5p9v/AGgt213YxXcg8lomgL5+RlPORjPbII4rnwSrAqSCDkEdqdNPLczPNcSvLK5yzyMWZj6knrSDW5tat9gOg2EFtqcFxNaBwyJHIN25s8FlA4rNlhsl0uCWK5d7xnYSwGPARex3d6qUUDOk0nUILGz/ANL1hp7UxMG03y3IJIOByNo5Ocg0unalZNZ6UZtQeyk02RiyBGbzVLbvlxxnqOcVzVFVzO9xdLHRabc6cZ77UGuoLS9eYm2WeN2WIEk7htUgsOgz06+lU7NvI1Kd4tf+yv2ukEo83PJ6Dd+YrJoqVoNu5r63cQ6nrCGx3Tt5aI8oj2mZwMF9vvW78TpZrz4i3enxwoxs2Szi8qIebLtVVG9gN0j57nJ7Vy2narqGj3X2nSL+5sJypTzbWZom2nqMqQcVXeaWWdppZHeVm3tIzEsW65J9aOqJ1budF480OHw74lFhDqsupsttE8jzRlHicrzGykkgrxwenTtXNUEknJ5NFJDW1gooopgFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQB22gRnWbjWPC+5RJqUaS2hc4AuIxkDPbcpcflWna30N14r1K10V43utN0z7ForNj5njKhmTPG9v3jD6+tcDqn/ISl/D+QqpWXJfX+v6sccsNzNyvv8A8C/32Wnr3O48U3+p6ZDoV3eXMlr4njjm+1SxvtnVC2I/MK87sFuvOMZq54isB/ws201rWoS2hX11bt9qfmOZCi557jg5/GvO6KahZpgsNZKz6Nbd9dO1um56d4ibxGPBGvjxKZPJa+t/sROPLZcyZ8ojgrjb04rzGinmKRYllZGEbEhXI4JHUA0Qhy3/AK6WNqNL2Sa79lY9S0vVPGeq/COyg8Majqc8ljfTRXUdrcNuit/Kj2BgDwnD47DmszwhNrPiL4d+JPDNnPc3zolvLZacJC2AJsyFEJ98nFee04I5QuFYqpALY4FW1dt9y1Gysv61PUtE8SXPgnwBYLM1zB5t1qkEsUOM+eIoliY5I+45znqOcV0NqYG1zXp7OC6n8RT2WmzxDT7iOC6dWgVpmiZ0b5ixUttG4g9eteFUUb6v+v6/IXIvz/O565bX0lz8YIprjR7jSr+20icyreukk0kqW8hWZ9qKN/3f4eozXmus+IdX8QyxS65qNxfyQqVja4kLFQewzWbV7Sb61sLwzX2lW+qRbCvkXEkqKD/ezGynP445ot/X3/5l2sWvCP8AyOuif9hCD/0Ytd54o1a+8QeH/Gya1ctef2VrMQsmm5NurSSqyqeoUgDjpxXDaprelX1i0Nl4W0/TZSwIuLe4uXYD0xJKy8/SsSh6pLt/wP8AIVtb/wBdf8z3S/02ez8E67pt2+s6ppVto6vaahdyxvYvIDGVMChcqeSB85OAciqtjql4+seGfDck5fRr3wxunsWAMbt5Mrb8f3sqpz14rxuW0uIIYZZ7eWKOdS0TuhAkAOCVJ6jPHFQ0pLmv/Xdfr+BMYpLf+tP8vxPafAja2LDwWfBZf+z1uv8Aiei1Clg/n8mYddvl7cE8de9cx4Uja98beLbK1xJc32n38NtGCMzOTkKvqSAcCvPgjFCwUlQcE44FJTau38/x/wAug1G34fg7nqXw80+TSYfENnJYXy+KITAIba0uI7e7WLkyeWXR+fuZAG7H41atr6S5+MEU1xo9xpV/baROZVvXSSaSVLeQrM+1FG/7v8PUZryVEeRtsasxxnCjNNoav/XlYOVXfmdRp3ie+1nxtoV34s1Ke/gtryHc1y5fZH5gLDntVXxT/aOl+PtVe5kki1CG/kk80MQwbeSGB/Ig1g1patr19rkdmNSdJpLOAQJNsAkdB90O3VsDgE9qGtrdL/jb/Iq2r8/6/U6Pxtb6lq1ho/iBxLd2x02GOe8Lbh5oLBlY/wB7NdBr+oXV9q3i7R7yUzWFppiz20DgFYXXysMn937x6dc15jdWV1YyIl9bTWzyIsiLNGULIwyGGeoPY06z067v0uWs4GlW1hM85X/lnGCAWPtkj86zdPT7/wCvkcf1VWjd/Dtp5pr8rfM7uw1DxTqPw0s4tAvr+Z7S7miuEt52zHD5abAwzwnDY7da87ooq1Gzb7m9KkqV0urvselfDKbV/wCxb+10rTdYEc1whfVNDK/aICF+44P3o+c4yvPepPCN/qHh341TaU3iBp4bq8khu545tkV4xVwpcZwfmbvnBNeZqjuGKKzBRliBnA9TTabV3cvl0aPRPBeg6poXiDV7O5sTaeJRpjvpMNyqh/NLqMoG437A+39KT4nJrK6F4TbxQJ/7Wa0uPtDXJzKf37bdx6/dx1ritJ1GPS70zzabZ6khQqYLxXKc9/kZTn8au6r4mu9b1Cwkezs4YbFVjtbG3hPkou4tt2kktlic5JJzQ1dr+u/+YWabf9dDU8WhovBfg6C64vFs5pCG+8IWmYxZ/wDHiPYio/F6+IxoXhlvEMUCWZsMaa0ITLQ5/i2855HX+eax/EV5q194gup/EKzR6gWAljmj8sx4HC7MDaAMADHApmq63fa08BvpEKW0QigiiiWOOJM5wqqAByST3JOTRuvnf8/8ykrMz6KKKYwooqe0srrULlbewtprqdvuxQxl2P0A5oBtJXZBRWnH4b12WaeGLRdQeW2AM6LauWiB5G4Y4zg9azKV0xKUZbMKKKKYwopWRkIDqVJGRkY4pKACinbHEYcq2wnAbHBPpmm0AFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAen+Cp7m10bxlNY63HoU6pZhb52kURgycjMas3PTgVZi1LTdV8SanrGmeTqmpaP4e8wXTW21bq7VlVrjy2HO1WJywySuSK8+u9VvbT+0tPt5tlrfeV9oj2A79mGXkjIwfTFU9L1W+0XUor/SrqS1uoTlJYzgjsR7gjgg8GpWq/rtYzUev9dP8jvPAHifV9e+JFhPruq3E721rdmO4YBpIh9nc5HQnGMgZ/Km+ObtNb8B6TqVvqc+ti2vJbe41G/h8q53soZYyMtlAFJB3sck9O/ON488Qtq9rqYureO6tVdYmisYEUBxtfKKgVsjg5BqprPijV9eghg1K5Q28DForeC3jgiRj1ISNVXPvjNDV7f11GotSuZFei614x8OXvgCLS7PTLVNRjUSbhauIw8mBL5amQhGUJH82Du5wF7+dUU3qrFW1T7BXonhzVdPtfhDrP2nw9Y33lajaiQzTXC+cSJiGbZIuCvQbcDnnJrzutbQ/E+reHRcLpNykcdyFE0UsEc0cm05GUkVlyM8HGRTeqa/re4pK9jrvDegeHm8It4j1kaYputQe2itr+4ukhhVVViAYVZy3zcbj0H8VaOk6B4FF/qMzrFqGjtrFpZw3c9zLCtvFLHIztu+TJUrjLDGB05rhtM8Y65pDXZsbxFS8k82eGW3jlid/wC95bqVB56gVUudf1K7tbu2nnUw3lyt1OixIoaRQwDDAGMB24GBz0pO/wCX6X/UXK31/rU7+Dw94ckvU1T+xkNo/hyfU/sH2mXy/NjlZB827ftIXON3euZ8VaZpn/CP6Hr+kWR05NT8+OWy81pFRomA3IzZbaQ3Qk4IPNS+FvHdzoc00l3JJI0OkTafYbIY2ERdt43A8Mu4sTnJ56EVjap4iv8AxBqFvca/cPcJCBGscKJCsceclUVVCr36DrRb3lbb/gv9LAr7v+tF+oviWfSbjVlfQdKn0q18iMG3nmMjF9vzNk9j1/zisgcHpn2roPGniufxj4g/tK4i8oRwR28SswZtiDALMAAWPJJAA56CufoRa2R1niuaG78K+G7uC2+yq6XCCBJ5ZI0CyADaJGbb+Fa0GiaFNNpmjNpQFxf6P9s+3rcSeYkvlu/3c7CuUxjHfrXIQeItTt9FfSY7hTZOWPlPCj7d33trMCVzjsRQniLVI721u0usT2lv9lhfy1+SLaV24xg8MRk881m4S5bLz/X9Th9hV5eVO1r21fXa/p8zpNE1Gyt/hlqf2jRbS88u/tw/myzL5pKykE7XGMdBjA55zXFSsrzO6RrGrMSEUkhR6DOT+daGk+INS0MTrps6olwAJY5IUlR8dMq4IyM8HFUJpXnneaUgvIxZiABkk5PAqlG0m+5vTpuEpPu77v8AI7f4TXltbeKLpLjTYLxn067KtK8ilAtvISo2MAQw4OcnHTB5rktVvba/vPOstMt9Mi2geRbySOufXMjM2fxxSaVqt7ompw6hpVw1tdQEmORQDjIweDwQQSCDwa1Vv7LxLqEt14u1WaxkVFSI2GlRMrDJyCivEq/XBzmqerT/AK6/5mq0bY74f6VZa34607T9UhM9pKXMkYcruCxs2MjkcgdK0b+20S88H2/iiw0OOwa21NbO4sRcSvBcqULggs29T8pBw3cEYp3h/U/DPg/xZpms6dqmp6kLd3Msb6akBUGNgCv75geSODjisHW/FWs+IooItVu1khgJaOGKGOGNSerbUUDcccnGaHrsKzcr9P8Ahze+IgjvNX8PzxI1ut7o9rIUa4lmWPJYYUyMzBRjpniuoa20XRJ/HPh3S9G8ibTtHkibUJLiRpLjEkW4lCdgBJyMAYHrXnM/irWLnw/FolxdJLYQgLGjwRl0UNuCiTbvC55xnFW5vH3iW50iTTbjURJBLALeRmtojK8YxhDLt3kcDjd2pSV00ut/x2+78QUX7t+lvwsc5RXS6f4pi0z4f6roENu0k+qzRtNJIF2RLGcjbxu3E8dcAfWuaqupaO/+HmoWdr4Z8XLc6Na3zJpokZppZlLr50Q8s7HX5c/NkYOe+OK4i+uIbq+lntrOKyic5W3hZ2SP2Bdmb8yas6Lr2peHr1rrSLjyJXjMT7o1kWRD1VlYFWHA4IPSr8Emja5NcX3ijWruyvJH+5ZaTHIjLgDOBJGF9MBe1J738iV7t/X9EWfAmnadfXurTavZLfRWGlT3iQNK6K7pjGShBxz2NXNbi0fTF8N+I9O0WJINRgleXTZLmYxLJHIyZVw4kA4Dfe4I64rHuL200KWUeE9Yu7pLy1e2umubBIDsbGVA3ydcdeCKzrrVb290+ysbmbfbWCutsmwDywzbm5Ayck55zTvqmv63/wCAHLvf+lZHY+L9Hj1b42vpXnSQx313bRmWWV5WTzETJ3OSx+9xk1meJLjQhfXOi6T4cTT3guTAt7PdSvMQrbSXUts5xzhRis7U/FutazaWtvqV4JltNvlSeRGso2jC5kCh2wOBkmpdV8ba9rli1pqt3Fco+N8jWkImfHTdKE3np3aklay7f8AEpdTt/E3hjwToSavo8t5p8V7YwEW86TXbXcs6gHDoYxCFbn7p4yOTXAwT6SPCN1DNpU8mqtcoYtQExEcUeOUKdCTjr/hzPd+Ntf1DSP7NvryO5g8sRbpbWJpdg6L5pXfgYH8VSxeLHtfh7P4XtYXCXl0tzcyyOGXK/dCKFBXtkknOOMc5VnZ/L8/w/pBFNJJ/1oc5Xa+BtRgsNC8SO+mwXEsdiGMjyyozKZY1KfI4wO/GD744riqs2uo3Vlb3UNtLsjvIvKnXaDvXcGxyOOVB4okuaNiK1P2keXzX4M6bwTem8+JFpMkfkJJ5mIUkdlUeU2BliSR9Saz/AAtptld/2pe6lC1zDptmbn7MrlPObcqgEjkKN2TjnisixvrnTL+G9sJmguIGDxyL1U1f/wCEo1cawNUjuUiuwnl7ooI41KnqpRVCkHPII5qXF9OxlOlPmbh1S69m/wA09zbk8P22qv4evdF05If7TaYS2Mtw3lDyTlmDk7ghXOeSRg4NO8R6Xo1toOn6zp0Fg5+2vbzw2c87wSBVVgCZMODyQcHGMYNYM3ijWZ9Wt9Se+dbq1G2Bo1VFiHoqqAoHJ4Awcmk1TxJqesWsdtfTRGCNzIscNtFCu4jBbCKMnA6mlyy0IjRrc8W3ovN+f320130Oh+IWoWct/BBHo1rDK1haOtyksxdV8lTtALlcAccjPvnmuJrVuvEuq3ukx6bdXCS20SKiboI94Vei+Zt34HpnFZVVCPKrG9Cm6dNQfTzv+f5Ho82sabD8HNG87w1p9z/xMbmLMk9yMOIosyfLKPmOen3eOAOa84ra0nxbrWiabLp+n3Ua2kz+Y0M1tFMofGNy71O1scZGDU9pp/hGSzie98RapBcMgMkUejpIqN3Ab7QMj3wPpVdWzSPuqz8/zL+g+GIfFPg8ppNtnW7bU4opWDsfMt5vkU7c4G1xyQP4xmtK30zwxJ4m8WT22mi80vRbIvawNcSKszLJHGXZg27DEs2AR1rl7LXbvwtrF3L4T1W4SOWJrf7Q8CxvJGw5BTLBT9CSMZBqjZare6dBeQ2c3lx30PkXA2g703BscjjlQcjB4oeuq7fja3/B+Ycr69/wvd/5HSaJa6R4jvNfmGjQ2Udros1xBbwTysqSptw+WYseCeCSPatfw/4U0W+uvAy3dmXXVILuS9AlcecY3kC9D8vCgfLiuF0jWL/QdSS/0m5a2uUBUOACCCMEEEEEEdQQRWpP468Q3Gq2Wovexpc2CMlqYrWGNIlbO4BFQLzk9u9D6W/rf/NfcJp6r+ti9r9no994HsvEOk6Uukym/kspreKeSWN8Irq48wlgfmIIzisfWp9JlsNKXStKnsJ0tsXkssxcXUmfvqD90ew/pk1Dqt62irpJmzYpcG5WLYvEhUKWzjPQAYzitfxV4sfxHaaPYxwvFZ6PafZrcTOHkYZySzBVHoAMcAdzk0Py7/p/mUr6X8/z0/A5yiiimMKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDtPCtpY3vjKWC7eMzyRMsEM9kLiJz5RJLfvFKkY4PPNYXh3RItburtbm8NnBaWr3UsixeYdq4yAuRk8+tS2mrvoPi+LUo4lmNu4JjY4DgrgjPbIJ5p8Gv2Fhd6g+l6XJBBe2D2nlSXXmFCxHz7toz06YH1rL3t12OSUaqk+Xql207/gPuvD1hYajpUj6lJPpOooZI7lLXEgwxUqYy453DH3uhzUnjnTNF0vxJf2+jXM5aK6dGtntgiQgHor72LenIFZt7rZu9J0iyWDyzpiSKJN+fM3SF84xxjOO9WfEuu2Gv3T30OlPZ31xJ5lzJ9q8xHJHO1No25PPU07Suvn+egRjV9pFybtr276N+q7GFXd6t8O7Ozl1Kx07Xjeavpdr9ruLSSyMStGFVm8uTe24qGzghehxXCjqK9O8b+NNHtfEetnw/p0ct9fWqWkmqrfebGY2iQPsQLgMQNpO49+BVy20Ol35kYepWOmj4S2N5pzxTSrqZiuJJNPEU4dotxTzRI2+MY4+VeeeK0PA/hPTodY8K6jr+rfZpdSvo3s7FbMzecizBcyNuAQMwIHDeprn9H8TWNp4YudC1nSG1G1kuRdwtFdGBopQhTk7W3KQenHTrWjoXjuysLfRhrOhNqNxocvmWE8V4YCo3+YEcbGDqGyex5PNUnad/Nflr+P4ESUnDl9f1Oa14BfEepKoAAu5QAO3zmrXhjQ49f1RrSVtQGIy4Gn6ebyQnI42Bl4565q3H4Z1fxI02r2g01I7qZ5As2rWsLKSxyNskit+Y5q3pupy+CV1TRNbskvLfUo4jMLDU4w67GJXbNHvXucqQe1RD3YpPc1nLmb5SaX4cy2/jxPDtxqHlRSWhvRdSWzKwiERk+aInIbCkbc9e9ZkXh/S9U8TaXpHh7WJ7sX8yQNNdWXkeUzMAOA7bhznqK0pviBG3i2DWINLdIbfSzpsdvJdb22+S0QYvsGT82egziud8O6t/YPiXTtW8j7R9huUn8rft37WBxnBxnHXBqo/Er7f8F/pYh83K7b2/G3+ZZ8QaZommN5Wkazc6jcJK0cyy2AgVcd1bzG3c+wrY+JN0sOv/wBk21lp9raW0Fu6C2sYYnJaBCdzqoZslieSa5K7n+1Xs9xt2+bIz7c5xk5xXW/Em1WbX/7Wtr3T7q0uILdE+zX0MrgrAgO5FYsuCpHIFSr2XMU7c+nn+hlCLTrrQLu5/s77H5IVYJ/OZjLJkZUg8HjJ4AxViHQYI9PiRRb3Wo3Fv54hlmdWUEEjaAACcc8t+FU9R1jTr+2jjGnXERhiEcIW7Hlpx12+Xzk8nnn1p8PiNI1t5nsQ9/aweRFceaQoXBAJTHJAPqK0dtSl0Nf4dXKz6hd6TdWWn3NrLY3kxNxYwySK627lSsjKXXBUHAI5rA8P6Xp+rXs0Oq6xFpEUdu8qTSxM4kdRxHgdCfX+db/w6tlg1C71a6vdPtrWOxvISLi+hjkZ2t3ChY2YO2SwGQDzVDwVL4etby+uvFcMV1ax2cixWzNIJJJWGEKbRjIPXcQADnk8VEt36f5kLy7/AORzVbng+Kxm8VWKai4VDMgjR7UXCSOWACupdfl55OfwrDqeyupLG/t7uHHmW8qypnplTkfypk1YuUHFbmzbaB/a3j2bRRPHbBrqZDIkXyoF3HhM9Pl4GfxpNR8P2Frp9lqdjqsl3ptxcNbyyG18uWFlCk/JvIPytkfNz7VaHiywg8Xxa9YaM8D75ZJ4WvN4kdwRwdg2gbicc/Wsl9Y3eFYtG8jHl3rXXnb+u5FXbtx/s5znvWUeey+X/BMF7ZzT2Wnbzv8AobfjbSfD+mXES6Vd3InNpbuLdrQKjbo1Jcv5hIJznGOpxnvXI1vaxr9jrNhB52lvHqcUEVubtbr5GWMBQfL29doA+9j2rBqoJpammHU400p3v52/T/hzs9SsdNHwlsbzTnimlXUzFcSSaeIpw7RbinmiRt8Yxx8q888VoeB/CenQ6x4V1HX9W+zS6lfRvZ2K2Zm85FmC5kbcAgZgQOG9TXP6P4msbTwxc6FrOkNqNrJci7haK6MDRShCnJ2tuUg9OOnWtHQvHdlYW+jDWdCbUbjQ5fMsJ4rwwFRv8wI42MHUNk9jyea0TtO/mvy1/H8CpKThy+v6i23guTxXrGsR6NeRDUbe/ffZSqIwIC5BlD55Cn7wwMDnntkxeFZdT1O+g8PXtpe2trJsW5urqCy80f3lWWQZHB6E9s4zirmnePLvRBd3Gh24s9TvLz7RNe79xMW7cIQuOFLctyd2AOAOa7eLltdYv7vRdG0y2t7xxJ9mvLOG8EJ7hDIh2rkngdsDnGazimkl5fjp/Xr5WNJOTba/r+vy8xbfwy+n6lPHrYtpFt7b7Rst72KVHywVQXiZgOTzznFVvEGnW1rHa3NmscazGSN0hlMkYZGwSrHkggg80r+KJ7jUmuruysfLlgNvLBaWsdqjoTnpGoG7P8WM8Cq15fx6lJZ2kEaWVpB8kYkcvt3NlmZgMn8B0HStN7DWi1HeItLsNI1RbbSdYi1iAwo5uYojGAxGSmD6dP8AOKyq6LxvceH7jxF/xSdqtvYx28cbeWzlJJQvzuu/DYJ6ZAJxnAzXO1KBbIKKKKYBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAdVo3h5fEHiO5jnWR4Y4ySsFxCkpbyyV2rIw3DI5xnisPStHvtbu2ttNhEsiRmR90ioFUdSWYgAc+ta+ianbaP4+tr2+LLbRttkZVyVDR7c474zmpNLn0rQrrWIk1WO8iudKlgimjhkUNIxGFwygjp1IxWV2vuOSU6kZNLsraP5/wBaGbJ4Y1S31q20y8hjgmuQGjZ7iMRupz8wk3bCOD368dan8VeFbjwzqlxA80E0CTtFG6XMTO2O7IrFl/ECnanqtrP4f8NwQSeZPYRyidNpGwmZmUZIweD2qXxpJpWoa1daxpeqpdfbrgym28iRHhDckMSNpweOCad5XXz/AD0CM6rqR5ttej3T/C5zVdjrvw51DRvD+n6n9psZVuLVridP7Rtsph2XCASEycAH5QeSR1FcdXY6lc6LrfgjRQ2sx2eoaRaS27WUtvKzTkyu6lHVSvO/HzEYxVy+HT+tzq15kVdS8LJp3gCx1uRZTc3N2Y2eO6t5YAhTcowjl1k65DAce9N0/wCHvibVNNgv7Kwja2uE3xu95DGSu4qGIZwQCwKgkAE8DmrWj3ej3/w9udC1PVl0u5j1Fb6J5beSRZl8ooVGwHDZx1wOetWLnxhFb6No9hYSRSo2lJZX5eN8xFbtpvl6ZOAvPIwSOvR/at5r7rf5kXlb7/z/AMjEsPBuvalPdRW1hsazl8idriaOBY5MkbC0jKN3B4zmsu+sbrTL+ay1CB7e5gcpLFIMMrDtXqk/jfRNS/tqxj1HTrIPrdxf211qWji8huI5MDGGjZkYbQfu8g4PSsG1+IEll4h1a8vdW1meS6dALjQ7tdPSVUXaCUMR7YxwMc+tSm3v2/yKu9dDj9K0w6ncuhlEMUUZllk2ltqj0A6kkgAe9SavpB0xoWSRpYZwdjPGY3BU4ZWU9CDW/qHi221jXJpp7vV/KuLL7N9o1O7F3LEwbcCGVF+XIHGM8k1k6vdLfJYafZzyahKjOXmCNmaSRhwAfmPQD1Jq90iltqVdc8P6p4a1AWOt2jWly0SyiNmB+VhkHIJFZ1dL480OHw74lFhDqsupsttE8jzRlHicrzGykkgrxwenTtXNVKdwWyYUUUUwCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAt6p/yEpfw/kKqVb1T/kJS/h/IVUpR2QlsFFFFMYUUUUAFFFFABRRRQAUoJVgVJBByCO1JRQAEknJ5NFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAGjd2lxe6xLFZ28txJt3bIkLHAXJOB2A5rOruPBs0P8AwnZtJbXe10jIJ1nlikiHlMSFKOuc8ZzmsjwhY2N3danLqdoLuOz06W5SFpGQMy4xkqQcc+tZqVl6I5nW5W01tb8TnqVlZGKupVgcEEYIrrNQg0u0m8PazZ6XGsGoRs0thJNI0aukjJkNuD44Bxnr7UfEa9tZ/GOqwQ6Xb2s0d7JvuI5JS8vJ6hnKj14Ap8+qVu/4DjX5pqKW9+3R2OSoqazjWa+giflXkVW+hNetap4c8GS3WqaXY6RBb3tu2pxgxX0ryQi1j3xSFGc/fO4HIwccYqnor+v4G/NrY8fqdLK6lspbyK2me1hZVlnWMlIy3QFugJxxmvSvDPg3S7zTbTTtftNKt76+sJbu3kW8uPtpXYzxvsGYQMKODgkc9axtHuILr4SeJLdbMQS2bWsjTRXMw88tKRl49/lnA4Hyj86G7Nr+t7CUrnD06ON5pUihRpJHYKqKMliegA9a7PQrfQ7D4ftrmraHHq076sLPbLcyxBI/K3kjYw5z3OfpWvY6Nb+FfiJ4t/s3c76FYXFxp5k5ZGO1Vb3KCQnPquaG0m79NfuSf6hzXWn9a2/M8/n0nULbV30uazmF+knlG2CEvv8A7uB39qqujRyMkilHUkMrDBB9CK3PCF6sPjCxkubcXTzXKIHeaWNo2Zx84ZGU7uvU45q/pek2eofFObTr6J5rU3lwGRpGywXeQC2c9hznNS5W37GU63JKV1olf8zkqVkZCA6lSRkZGOK6jUoNKm8NWGv2Okx2ZF89tPaCaR4pQqq4OWbcMgkHDfTFXfiFqFnLfwQR6NawytYWjrcpLMXVfJU7QC5XAHHIz755pc+trCjX5pKKi9b9tLO3c4miivUfDPg3S7zTbTTtftNKt76+sJbu3kW8uPtpXYzxvsGYQMKODgkc9at6Js3bs7Hl1Fdnp8OiaT8PbXWr/QodWu7rUZrb/SLmaNURI0YYEbLzlz1pdPtNE03wYniLUdFTVJb7UpLWG2kuJY4rZEVWOSjBix3gDJ6DvT629Pxt/mLm/r0v/kcXRXpmp+FfD+h614xvpdOkvbHRLiGC207z3VSZSfmdx821cHoQSSOa4DVry0vr7ztP0yHTIdoH2eGWSRQe5y7Fv1qU7jTuUqKKvaJp66tr9hpzy+Ut3cRwmT+6GYDP61QSkoxcn0KNT3tjc6dePa30LQzx43Rt1GRkfoRWz4gutHjnudO03QVtGt5jGtzJcSPMQpwdwJ25OOyjFdZ4tttL1jW/EsDaasF9p9ml0l7HM5MpURgqyklcYbsB0rL2mztp/wAMc0sQ4yinF2fp3S7+Z5nRXoOg+FtPubC3sdZttOgvLuykuYXW6n+1EbGdG2DMWMAcHBxzWPZxaTpvgm21W80eLUrm5vpYP388qKioiEYCMvOWPWnzq7QLExbsk392u/ntozmY4pJWIiRnIBYhRnAHU0yu78AeKdA0Fr467p8UizZji8uJzIqSjZIN4cfIqE/Kckk9R1rkNXuYrzWLq4t4oYYXkJRIIvLQL2wpJx64yavqdKbdynRW94P0htW1tt1rZ3FtawPcXIvp3ihSNRgszIQ2ASOF5JrrdQ8I6BP4q8FiwW3FlrsgjuY7GeV4eJth8tpQJBkdj0OafVLv/X6EuaV79DzSiuyW20fxL4z0/wAPafotvoqS6iLZ7mG4mkdkL7eRI7DPfgDmr2o2nhy88K+ILvTvDq6fLo19bwRObqZ3mR2cN5gZtufkH3QOppJppPv/AMD/ADKbs7f1/Wh5/WjB4e1q60mTVLbSL+bT4s+Zdx2ztCmOuXAwMfWu31bwnounPrmvLaE6E+nQzaTGZX/11wMIu7OT5ZWUkEn7nNYmtMw+FvhcAkA3N9kA9eYqL9BKV7W/rS5h2Xh7WtTsJr7TdIv7u0gz5txBbPJHHgZO5gMDA557VBbaXfXlldXdpayzW9mqtcSIuREGOAT6DPeuk+GrMPFUygnB0y+yM/8ATtJVTwDqE9h460vyBvS6uEtZ4eqzRSEI6EdwQadm5cq7f5/5CcrJvsYEEEtzcJBbRPNNIwVI41LMxPQADqam1HTL/SLs2urWNzY3AAYw3MLRuAeh2sAa7bwPp0Fh8U7z7Pdx/wDEqa7NvASfMutiSALHxjdxnkj2yeK4BnZ2LOxYnqSc1KldJr1L2k12EoooqgCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooA0pr6503xALyxmaC4gZXjkXqpAFPm8S6rPd3Fy88ay3NubWUx28aBoz1XaqgD6gZ96q6p/yEpfw/kKqVKSaVyOSL1a1LVxqN1dWdpazy7obNWWBdoGwM248gZPJzzVvVvEmq65DHHqlwk+wgh/IjV2IGMs4UM3HqTWVRTsh8kLp22HRyNFKkkZw6MGU46EVojxHqo1q81b7V/p18JhcS+WvziUEScYwMhj0AxnjFZlFMo6Oz8f8AiSwsYrS3v4/LhiMETyWkMkscZBBRZGQuowSMA96oaH4j1Tw5NNJpFysX2iPy5kkhSVJFznDI4KnkZ6cVl0UdbisrWNCfXdRuNNksJZwbWS7N60YjUAzEYLcDI47dPatCx8ZanbeMG8Q3hS+uJty3cciBUuY2Xa6MFAABXjge9c/Wzoegx6na3l9fXq2Gn2QQTT+WZGLOSFVUBGScHuAAOtLRa/12/wCATOUYxvL+v6ZSv57QaxNPoqT21qJd9usrhpIxnIBYYyR61fn8X63carBqUt2n2yANsmW2iU/MMMThcMSO5ya2fCtlpB1TWoor+SexGjzMbmSzCvGflyRHuPI/3qydS8Ow2V3pbWt9JeWGprvhnS2IkADlGBjyfmBB4B545qLxbUX/AFv/AJGDqUpzaktfTyv2/AyzqN02lLppl/0RJjOse0cOVCk5xnoBxnFW7rxLqt7pMem3VwkttEiom6CPeFXovmbd+B6ZxWj4h8HSaLYWd7HLdNBdTNBtvbJrWVGAB+4ScqQeCD2NQ+I9B0vQbi5sU1ea61G2l8uSL7FsjyOuH3knH+7RzQY41KM+W2u9tPv6aHP10dn4/wDElhYxWlvfx+XDEYInktIZJY4yCCiyMhdRgkYB710mt+G/Cdr8O4L6yurhr5R5xiPk+aFlwI/MIcgqCjnCjcN4yB384q97xN1aSUi4+q3smjRaU82bKGZp44tg4dgAxzjPIUcZxxXT+CvFVnoFjcQ3up6pAkkyyG2trC3uYpMDg/vj8j9RuAJxTPBngVfF8YVLjUoZ3m8lGg0l7i3QnGDJKrDYMn+6cdateEE2WvinRNQsdPnFrpl3MJJLOJ5Y5kwoKyld4A54BxTb5b+l/uE7S08/zM3UPHurSeNdV8Q6TM1i+oyMXhwsiMhPCOrAq/QdR1rOm12XVdftr/XGBWNlD/ZLaKLCg5+VFUJn6irfhrw3Zaxpeq6lquqSadZ6YIi7Q2vnu5kYqAF3r3HrXVeG/C1rpGuaxBf3yXGmXXhue7t7+O33ExNgBxGSCGGGGM9R1pK0Fp0/RXBuN2u//AX6nH+MvEjeLvFt7rTW6232llxGuOAqhRkgAEkDJ4HNYisyOGRirKcgg4INdJq3hW3sLzRnstRkvtM1hd8FyloRKAHKOpi3H5gR0Dc8c1Z8W+BZPDej2eqRTXr21zM0BTUNOazmR1UN9ws2VIPBB7GkrRX4FXTdjK1HxXrGr2ht9RuY51bG6RraISNjpmQLvP4moZfEWqTXl9dy3W6e/h8i5by1/eJ8vGMYH3V5GDxXQfEm6WHX/wCybWy0+1tLaC3dPs1jDE5LQITudVDNksTyTSx3K6l8JtSe5stPE1hfWkMFxDYwxShGSXIaRVDNnaMlielHKkm0v6ehnGnBJWiv61/QyLbxnrtpZx20N4myKIwxu9tE8iIQRtWRlLAYJGAay31G6k0uLTnlzaRStMke0cOwAJzjPRR37VsweBdauLSO5ibSvLkQOu/WbNWwRnlTKCD7EZrS8NWzaR4I1vxFcabbySB4LbT5r61SaJnLnzAiyAqzBV54OKLRTYKFOOsUji6K09P1C1heZ721jlaSaOTiJcKA+WAHQAjjA4p2nQ21xe3l5cwB7O3RpTFkqGJOEXjpyR09KtI2IdH1vUNBvvtek3BgmKGNjtV1dD1VlYEMD6EEVfuvGmu3mp6dfy3cSz6W26z8m1iiSE7t3CIoXrzyKhmitdH8St5kQmtBl41ZQ25HXKdevUflVG/uILh4DbRCIJAiOAoG5gOTx6nvS7MXKtRILo/2rHd3E0qN5wleWDAdTuyWXoM9x0ruvFfxCttV8J3Gj2lzfahJeXMc091e2NvakBA2BiIkuxLcsxzxXnla2o31jdxlLS0SFmuN4KxhcJsUbePcE496OW65f66Ct73MyO58Q6rd+H7TQ7m9eTTbKRpLe3IGEZupzjJ79Txk46mtaXVtDvvAGn6XdTahDqOnSXEkax2qPDL5hUgFzIGXG3+6etWtb0Kzt7fVPL0+KBbXHkSQXJlduQPnTc20YzyQvasKK/sU0wQPaI0wgkTzPLGd7OCpz7AEZotuPl2/r+tzU8Gatoegy3OoalNqBvTbXFvDb29qjRt5kLIC0hkBGC3QKeBVLwvrtv4cup9S+yNcanHHiwcsBHBIeDIR/EVHKjpnk9Kw60dLvLS1VxeWyzFpYmG5A2FVssOfUce9Frv8P6+8VlYteE9dj0DxdZ6teRyTxRO3mqh+dlZSpIz3wxPNZ+ppp0d8w0a4uri1wMPdwLC+e42q7j8c/lV6xt7N7fUNVu4DLBA6rFbq2wMzk4yRyAAD0qCG+sV1eO5NgkduqkNACZFJwRn5s9yPyotsVbVszaKtX9xBcPAbaIRBIERwFA3MByePU96q0CCitbUb6xu4ylpaJCzXG8FYwuE2KNvHuCce9al/pumTalqmm2tl9llso3kimSVm3hBkhgxPUZ5GKdhnK0VqxX9immCB7RGmEEieZ5YzvZwVOfYAjNZVIQUVo6XeWlqri8tlmLSxMNyBsKrZYc+o496v6FZ22oPqsxs4LgxRiSGKaYwoMyAckMoHB9adrgc/RWs0tvZa8rXNhbRxRqQ8EMnnISVODkswPUd+1U7+4guHgNtEIgkCI4CgbmA5PHqe9LoMq0UVq6pf2N1C62lokLGfeCsYXCbFGOPcE496OgjKorqdb063sbY/Z9LsRH9njbzmvT5oZkBJ8vzPU/3ay4r+xTTBA9ojTCCRPM8sZ3s4KnPsARmm1ZtD7GVRRWjpd5aWquLy2WYtLEw3IGwqtlhz6jj3oWrEZ1FbNjb2b2+o6rdQGWGB1WK3DbAzOTjJHIAAPSokuLaDVoLqbTBBbNGW8khnV8ggMN+cjPv2pDsZdFWr+4guHgNtEIgkCI4CgbmA5PHqe9VaBBRWvf31jefu7W0SEtc78rGF+Tao28e4Jx71rT+GI4dZ1XdFB9jghmeFFu1ZlIXK/KG3ce4+tOw1qclRWrFf2KaYIHtEaYQSJ5nljO9nBU59gCM1lUhBRWjpd5aWquLy2WYtLEw3IGwqtlhz6jj3qzoK2d74mjgurKOeC6m2hWZk8sE9tpFO1wMWitGG8tItbE72USW67gYFy6/dI/iJPXnrUF/cQXDwG2iEQSBEcBQNzAcnj1Pel0uO1nYq0UVq6pf2N1C62lokLGfeCsYXCbFGOPcE496OgjKorc09bG90i/V9OhSa1tfMWdZJNxbcoyQW29z2qCK/sU0wQPaI0wgkTzPLGd7OCpz7AEZp2GZVFFaOl3lpaq4vLZZi0sTDcgbCq2WHPqOPehasRnUV0WiaLHr8OpmBFSVZYzExJAjQsxb5R14HT8qpfatNt9cSSG0Js4gU2yjc0h2kbmB4BJ5wOlL1HYyqKtX9xBcPAbaIRBIERwFA3MByePU96q0CCitXVL+xuoXW0tEhYz7wVjC4TYoxx7gnHvTNftILLVfJtU2R+TE2Mk8tGpPX3JoGZtFasV/Yppgge0RphBInmeWM72cFTn2AIzWVQIKKKKACiiigAooooAKKKKACiiigAooooAt6p/yEpfw/kKqVb1P/AJCUv4fyFVKS2EtgooopjCiiigAooooAK2dD16PTLW8sL+xW/wBPvQhmh8wxsGQkqyuAcEZPYg5rGopNXVmTOCmrSN631+x0+61BtL0yWGC8sHs/LluvMZC2Pn3bBnp0wPrU+n+MZNOk0F4rNWbR0mT5pD++EjMT0GVIDEA8881iabDb3GoRxXshjhYNuZSARgEjk++KvW+kW19rFnZ211sSaBZJZWw3ltsLNwMcDFHIn/Xr/wAEzdCnJNNfn2t+TLeq+JrS70e203T9PuLeKG7a7Zri889mYqBjOxcDj3rN1/Vf7c8Q32qeT5H2uZpfK37tmT0zgZ/KpL3QpbHSEvZ5MO1w0Jh28rjI3Z9yrD8KNUstOtoXaxuHlcT7AGcHKbFOeB6kj8KSilr/AFrb/gFQoxg1Zd/+CZVFFasVlpzaYJpLhxceRI5TeMbw4CjGO4JNUaHRaD8QLXTNN0a11LSLi7fRLhp7R7bUDbqxL78SLsYNz3GDjisvRvFa6Z4k1LUbrTxd22pxTw3NqJjGSkvJCvg4IOMHB6dKq/8ACPOdJ0++ScMl3JskULzDlyoPXkHB9KSDTLFL27tr65ZTBcpCrKQu5d+1jg56AZ9qfLd6+f8AwSeVJP8Arv8A8E6fw5rHhy38N+L/ALVYMLO5+yCDTW1ELM+JDnbJs+Yjqfl/CqM3j/zL+7eLS0hs30ZtHtLZZyfs8Z6MWIy5zknpkntXJTqiXEixHciuQpPcZ4qbTYbe41COK9kMcLBtzKQCMAkcn3xU2TX9drD5UpX/AK6f5HSaX49l0qTw1JBYK76Ek6fNKf34lZicYAKEBiAQTzg+1Ra/4ssdT8NQaLpemXVpDHeNeNJdX/2l2dkC4B2Lgce9ZaaTFealbW1jP8r26yzSSHIjO3c/TsMHjrTL3S4ItPF9p92bq383yn3ReWyNjI4yeCAec9qbXf8ArX/MFFXuv6/q50PxJtVm1/8Ata1vdPurS5gt0T7NfQyuCsCA7kViy4KkcgUsdsum/CbUkub3TzNf31pNBbw30MspRUlyWjViy43DIYDrWBqllp1tC7WNw8rifYAzg5TYpzwPUkfhWVSa0cfT9GCVkvL/AIY6ODxtf29pHbpp2gssaBA0miWruQBjJYx5J9zzV3wq0eoeEfEWiNe2tvc3X2ea1S8uUgjZkc7sM5ChtrdyMjNYkVlpzaYJpLhxceRI5TeMbw4CjGO4JNS2uiWktjZTXWoPBLfOyRILfeoIYD5m3ZHJ9DVct2FtNDHkQxStGxUlSVJVgwOPQjg/UVoWOtXGm6dNBYNJbzzSqzXEchU7QD8vHuc9aktdMtVubm31SYxSwXEcXyOACC+1zyOwrNnVEuJFiO5FchSe4zxSW3qVbUt6pqsmq/ZnuAzXEUXlyTM+4y4JIJ98HHfpVFV3OFyBk4yTgCrOmw29xqEcV7IY4WDbmUgEYBI5PviraaTFeala2tjPxJbrLNJIciM7dz9OwweOtPzFuX/Gsfh6DUrKDwuo2xWUa3rpM0sb3PO8ozYyOnQAZzjiucU4YH0NaN7pcMWnrfafdm7t/M8py0XlsjYyOMngjODntT9UstOtoXaxuHlcT7AGcHKbFOeB6kj8KSutQtokWrzxHbzTXtza6c0N1eoY5JJLjeqhuu1Qox07k1gUVqxWWnNpgmkuHFx5EjlN4xvDgKMY7gk0DNDwtD4e/srXLnxKFdks2SwjWdlk+0n7jBQPmA75OB7nFc1W7aeH7a4ttPMuotDc6hkQx/Z9yAhioBbdkZI9Kq2FhZvJNHqMzRPHPHHhXA4L4c8jsKdnzC2TYzTNTWxjuLe4txdWtyAJYixU5ByGDdiP61XvJbWWYGytmt4wuNjy+YSfXOB/Ko51RLiRYjuRXIUnuM8VNpsNvcahHFeyGOFg25lIBGASOT74pXuPbQrKu5wuQMnGScAV0fjWPw9BqVlB4XUbYrKNb10maWN7nneUZsZHToAM5xxVCPSor3VrKysJ8m4iQu7nIViuWHHp6darX9vZQFRY3klyckOJIPL2/wDjxzQ0K2tyopwwPoa3b7xHDcSXk9nYfZ7m9UpNK83mYU9QowMZx71W1Sy062hdrG4eVxPsAZwcpsU54HqSPwrKp+Q/MK6XwtD4e/srXLnxKFdks2SwjWdlk+0n7jBQPmA75OB7nFZ8VlpzaYJpLhxceRI5TeMbw4CjGO4JNSadpOnXunT3Muo3EL20YkmRbQMACwUYO8Z6jsKTWlhWuY1aOlalBYw3kF3avcRXUYRgk3llcMGznafT0p9hZ6dPJMLi5kVFmiSNuELIzYYkHOCBz1496z51RLiRYjuRXIUnuM8U9hkl5JaSTA2NvLBHt5WWYSEn1yFX+VQKu5wuQMnGScAVZ02G3uNQjivZDHCwbcykAjAJHJ98Vdi0m3vNQhtrS5IDWfnuxAbDiMsV4x6Y9qPMNy741j8PQalZQeF1G2KyjW9dJmlje553lGbGR06ADOccVzdXF0/OhvqPmfduBB5e3rlSc5/DpVnVLLTraF2sbh5XE+wBnBymxTngepI/Cla1/wCt/wDhxJaJFbVdQ/tO++0eX5X7uNNu7P3UC5zjvjNU6K1YrLTm0wTSXDi48iRym8Y3hwFGMdwSaPMZoeFofD39la5c+JQrslmyWEazssn2k/cYKB8wHfJwPc4rmq0ZdIYLprQSeb/aC/L8uNr7tpXrz2/OrEWl6cl/d21zeMRBcxxJIpCb1L4dsHPQc07Nv8P6+8WyZW03U1so7i3uLcXNrcqBLEX2nIOQwbsR+PWjVtSj1F7YQW5t4reEQojSbzgEnJOB6+lU51RLiRYjuRXIUnuM8VNpsNvcahHFeyGOFg25lIBGASOT74pXuh7aFZV3OFyBk4yTgCuj8ax+HoNSsoPC6jbFZRreukzSxvc87yjNjI6dABnOOKoppVtc3SxWtyQBYm4ckBvnCFivGMdMe1VU0/do8180m3y5ki8vb97cGOc/8B/Whr+vwFbW/wDXcqo2yRWxnaQcVqnXc61qF/8AZ/8Aj8jlTy9/3N4xnOOcU3VLLTraF2sbh5XE+wBnBymxTngepI/Csqjy/rUfmFdL4Wh8Pf2Vrlz4lCuyWbJYRrOyyfaT9xgoHzAd8nA9zis+Ky05tME0lw4uPIkcpvGN4cBRjHcEmn2OgNqNtbz204MbOyXJZcC2AGdx55G0E546EU7aWFa5j1oaJqMGlanHeXFs9y0LBo1SYR4YevynI/Kn6fZ6dO8wubl1VZo0jbITchfDEg5xgc+1UJ1RLiRYjuRXIUnuM8UbahYfdyQS3TvaQvDE3ISSTeR684H8qhVdzhcgZOMk4AqzpsNvcahHFeyGOFg25lIBGASOT74q5DpVreanbWdtd7DPbqwZsMPOK52cYxk8e1CQ9y941j8PQalZQeF1G2KyjW9dJmlje553lGbGR06ADOccVzdXpNMMGkC8uZDG7zGKOEry237zZzwAcD6/Sp9UstOtoXaxuHlcT7AGcHKbFOeB6kj8KXn/AFqJKySFOrWkNhcQadp7W8l0gjlkecyDaCCQowMZIHUmsmitWKy05tME0lw4uPIkcpvGN4cBRjHcEmjfUfkaHhaHw9/ZWuXPiUK7JZslhGs7LJ9pP3GCgfMB3ycD3OK5qtfRtKsdUdIZL6eCcgs4FqGSNRyWLbxxj2plhZadNJOtzdOESeNI3BCb0L4ZsHOOOfanbUWybIbPU3s9OuraJSHneN1lV8GMoSf60apqC6ncJcmARTlAJ2U8Sv8A38Y4J7+/NafhfT9E1LxRFpOqpfPHeXKW1vPa3CJ5RZ9u5gyNvHI4BX61lyaXOdefSbVTPcfaTbRgceY27aPzNK97LuF7X8imq7nC5AycZJwBXR+NY/D0GpWUHhdRtiso1vXSZpY3ued5RmxkdOgAznHFY+raTe6Fq1xpmqwG3vLZ9ksRYHafqCQfwqnS3SsFtbhWzqGrabqJMsunXC3PkrGHW7G3KqFB2+X7dM1jUU+lgCiiigAooooAKKKKACiiigAooooAKKKKACiiigC3qf8AyEpfw/kKqVb1P/kIy/h/IVUpLYS2CiiimMKKKKACiiigArU8NaK3iLxLYaSsrQfa5ljMqwtL5YJ5baOTisutHQ7S4vdSMNpqEOnyeVITNPP5K4Ckld3uOMd80XS1ZM3aLd7Ees2CaVrl9p8Vyl2lrcPCs8Y+WUKxG4exxmpNEuYLS8mkuX2A20yKcE5ZkIA49zWdTkQySKi8sxwKI3tYttXua9zrDahodwl9PvuzcRMg2YyiqwJ4GOpH1zWNVnUdPuNK1K4sL1QtxbyGORQcgMOvNVqL31EmmlY6GbwsIPh9b+Jnvgrz3xtUsmhZWZQu7zFY8MOxwOMjntXPVJJcTTRxpNNJIkS7Y1ZiQgznAHYZqOjqCvbU6XTtbtLZtIinctbrC0V2oU/JmUsD05I+U8ViapNHcaveTQtujknd0bGMgsSKq0U27jNTw1oreIvEthpKytB9rmWMyrC0vlgnlto5OKg1mwTStcvtPiuUu0tbh4VnjHyyhWI3D2OM1WguJraQvbTSQuVKlo2KnBGCMjsRUdIWtzR0O9hsdSLXW4QSxPDIVGSodSMge2c1Yup7Kz0FtPs7sXkk86yySJGyqoUEAfMASfmNY1FF9LDWgV0M3hYQfD638TPfBXnvjapZNCysyhd3mKx4YdjgcZHPauerodX8P3Fh4e06+1DXLORri2Wa10/dM0qxMxHGY/LAyGON1J7E9Uc9W8Nfaz0HTYLB4ftMLSl2e3VmjywIKswOPwqjFol9NYreKsKwOGKmS5jQsBwcKzAn8qu+H/CzeI4bj7Lq2nwXUMcsos7jzhJIkaF2KlYynQHqw5FVdpMexhu7SOzuxZmOSxOSTWn4a0VvEXiWw0lZWg+1zLGZVhaXywTy20cnFZdSQXE1tIXtppIXKlS0bFTgjBGR2IpKyFK7WhZ1mwTStcvtPiuUu0tbh4VnjHyyhWI3D2OM1P4fuobXUyLp/LinhkgaQjOzepAP0yRWXRRG6WpXW6Og1C2/sTw82nXEsclzdTpPtibcFjCnBz053fkK5+p5L25ltI7WW4keCM5SNmJVT7DtUFD3uHQ6GbwsIPh9b+Jnvgrz3xtUsmhZWZQu7zFY8MOxwOMjntXPVJJcTTRxpNNJIkS7Y1ZiQgznAHYZqOjqJXtqdTYeIreztNItyYyscciTyCEGWAs5wyMRkEAg8GuZmAWZwsnmqGOHAI3e/PNMoobuM1PDWit4i8S2GkrK0H2uZYzKsLS+WCeW2jk4qDWbBNK1y+0+K5S7S1uHhWeMfLKFYjcPY4zVaC4mtpC9tNJC5UqWjYqcEYIyOxFR0C1uTWgU3cfmXH2YZz5wBOw9jxz+Va2tXltPpsMbXiahfLKS10kTJ8mPusWALHPOSPxrDoo6WGFdDN4WEHw+t/Ez3wV5742qWTQsrMoXd5iseGHY4HGRz2rnqkkuJpo40mmkkSJdsasxIQZzgDsM0dBa3I609Mu4LfTNVimfa9xAqRDBO4iRTj24B61mUUAFanhrRW8ReJbDSVlaD7XMsZlWFpfLBPLbRycVl1JBcTW0he2mkhcqVLRsVOCMEZHYimtxO7WhZ1mwTStcvtPiuUu0tbh4VnjHyyhWI3D2OM1JoN7DYaukt0WELI8bsoyVDKVzjvjNZ1FTG6WpT30Nm9msrXw+NOtLwXkklz57ukbKqgLgD5gCTzWNRRT63A6GbwsIPh9b+Jnvgrz3xtUsmhZWZQu7zFY8MOxwOMjntXPVJJcTTRxpNNJIkS7Y1ZiQgznAHYZqOjqJXtqdDomrWdrpp+2yEXFjI09mu0nezKRjPbDBW59DXPklmJJySck0lFD1H0sanhrRW8ReJbDSVlaD7XMsZlWFpfLBPLbRycVBrNgmla5fafFcpdpa3DwrPGPllCsRuHscZqtBcTW0he2mkhcqVLRsVOCMEZHYio6Ba3NPw9c21rrMb37mO2ZJI5GAJwGQr0H1q/rWuW+qaKoX5bt7jMkYUgBFDBDnp0bH/Aa52im3dWGtAroZvCwg+H1v4me+CvPfG1SyaFlZlC7vMVjww7HA4yOe1c9UklxNNHGk00kiRLtjVmJCDOcAdhml0FrcjrodK1ax0zT4rU/vlvmI1D5TlI+iqM9xktkewrnqKdwJJ0jjuJEhkEsasQsgBG4djg81oeGtFbxF4lsNJWVoPtcyxmVYWl8sE8ttHJxWXUkFxNbSF7aaSFypUtGxU4IwRkdiKS03FK7WhZ1mwTStcvtPiuUu0tbh4VnjHyyhWI3D2OM1TVijBlJDA5BHY0lFJXSKZr+JNTXVNUSaObzUWCNc7doDbQX4wP4ixrIoopgdDN4WEHw+t/Ez3wV5742qWTQsrMoXd5iseGHY4HGRz2rnqkkuJpo40mmkkSJdsasxIQZzgDsM1HR1Er21N+yNgvh1oE1WC1urp/8ASfNilJCA/KgKoRgnk/hWFKqpK6pIsiqSA6ggMPUZ5/Om0UPUfSxteDrM3/jbRbYCXEl/ArGIkMAXGSCOR9avao1x4r+Js0YjEcl1fmMf2fajKrvI3BEGWIHJPU4yTWJp+s6ppAmGlaleWIuF2TC2naPzF9G2kZHPeqasytuViD6g0dU+3/A/yIs9fP8A4JseLtOg0nxfqVha6kdUit5ygvD1lPcnk85yOvasaiiklZWLCiiimIKKKKACiiigAooooAKKKKACiiigAooooAKKKKALep/8hGX8P5CqlW9T/wCQjL+H8hVSkthLYKKKKYwooooAKKKKACut+G+q3Nj4wtbWO9kt7a8Zo5oxJtSU7GChux5PGfWuSp8MEtzOkNvE8ssh2pHGpZmPoAOtTJJxaZnVpqpTcH1Oz8LWOqeG9V1v7XBLYX0GjTzRbhh0OVww9KTW9XvBbeFNfN1JHqcsEomvEO2RwszKCSOp28Z9K5S/0vUNKmWHVLG5spWG4JcQtGxHrhgKq1MUpNTvf+n/AJmLw9580t/Tpa1vTqd18TW8RS65dTalNdy6NJds9g0kpaFlPIKc4+76Vwo5NFWpNMvYtLh1KW1kSynkaKKdlwrsvUA98ZpwjyRsa0afs4KH/APar/TZ7PwTrum3b6zqmlW2jq9pqF3LG9i8gMZUwKFyp5IHzk4ByK43WPEesaD4C8KWui6jPYwXdhO1wkDbBMfPkXLY68DHNcHLaXEEMMs9vLFHOpaJ3QgSAHBKk9RnjioabV/69f8AP8CoRSX9eX+R7T4Fj1w6f4L/AOEMD/2c11/xPTaldxfz+RN32+XtwDx171kaHp8HjBNZ8LXM8dsdP1dtSikdgoW33bLkD6KFfH+ya5DQvFkmgW0UlloWlSXls+6LUZoZHliYnIP39hI7ZU9K56SR5pXklYs7sWZj1JPU03rK/wDXRr5K33aCUXZ/13/NM1/FutjxF4rv9TRdkM0uII/7kSjai/goArU+G9g994qZ4L67tLm1tZZ4EsXVLi4cDHlRs3AYgnseAeDVDw5dW4D2h8JW+v3LEyKXe53qoGSAsMijAwTkj8ap6xqNlqMsTafotppKoCGS2lmcOfU+a7H8sUL3dCn72h6vrUBn8e/DqXU7G8hvp5gl0mqFXuXAuML5pCru4PBI6YrzvxF4m1vXNaNprGp3N5b2943lRTPuWP5scDtxXNUU46NPs2/vYcu/9d/8zvfil4k1mbxjrehyajcHSoLwrFZb8RIF6YXoMVneOP8Ajw8Kf9gKL/0bLXJ10ms63eXnhrS7XU/D9rCIrYQ2WpGOdJJIlcngl/LYZJBIWptaCXmvyaBK0vl/kTadZTX2lwRatpqx2EMDmPUNzIY85Yc7trcnGMZp/wANv+Rsm/7Bl9/6TSVyVbvh/wAUt4chuPsuk6fPdTRyxC8uPOMkaSIUYKFkCdCeqnk1UtU/RjeyRe+Hq+I31y7XwjFBLeNYTCVZwhHk4+fG/jPT/wDVmuUrQ0zW77R0uRp0iQvdRGJ5fKUyKhBBCsRlMg4O3BI4qtaWV1qFx5FhbTXU20t5cMZdsAZJwOwAzS638v8AMFpcgooopjCiirWpaZe6RetaanayWs6qGMci4OCMg+4I70AVaKvQaLqt1ps2o2umXk1jb/666jt2aKP/AHnAwOvc1RoAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigC3qf8AyEZfw/kKqVb1P/kIy/h/IVUpLYS2CiiimMKKKKACiiigArsvhjeQ2niiVpLGG4kFncPHI7yK0RWFydu1h16ZPI7YPNcbVrT9Su9Kujc2EvlSmN4i20N8rqVYYIPUEisMRTdWlKmuqY+qOl0ldP8AEF/qepX2nBLXS7BrgafBcSkSsGVcFnZmAy+Tg9uMVaTQNI1W+8J3lvZNY22s3htrizWZmUbJFUsjNlsEN3JwQea5HTNVvdGvlvNMuGgnUFdwAIIIwQQeCD6Hirlx4p1i61i01Oa8zdWRU2xWJFSHacjagG0DPOMYrnnQq8/uS09X2fT11vuLoyTX7vTZrp7TTtFt9O8idkMsc8sjOoOOd7Ee/AFavxNlaLxrNpSfLY6THHaWkX8KxqoOR/vElie5auSlleeZ5ZTueRizHGMk8mtvX/EMHiDTdPe6tWXWLWMW890r/LcxKAIyy9d4Hyk55AHeuuEOSCXb5/n/AFqEtZ3Wxe8VzQ3fhXw3dwW32VXS4QQJPLJGgWQAbRIzbfwrWg0TQpptM0ZtKAuL/R/tn29biTzEl8t3+7nYVymMY79a5CDxFqdvor6THcKbJyx8p4Ufbu+9tZgSucdiKE8RapHe2t2l1ie0t/ssL+WvyRbSu3GMHhiMnnmk4S5bLz/X9Th9hV5eVO1r21fXa/p8zpNE1Gyt/hlqf2jRbS88u/tw/myzL5pKykE7XGMdBjA55zXFSsrzO6RrGrMSEUkhR6DOT+daGk+INS0MTrps6olwAJY5IUlR8dMq4IyM8HFUJpXnneaUgvIxZiABkk5PAqlG0m+5vTpuEpPu77v8jtPhRcW48aw2M1mJGvEkjW5S5mhlhHluSFMbqDngHcDWL4V8PDxHqU1qy6q3lxGTGmaab2TqBygdcDnrn09ay9O1C70nUYL/AE6dre6t3EkUqdVYd6sapr2o6xqBvb6ZPPKBN0EKQDGc/djCjv6VfW5rZ3djqpvCEXh7xDp4aHWG8xJpFTV9HNkGZEyoUF2384z0xx61la3dR6n4bjvDJNNJHdCJJbgKHIMeWXjsG6emawEvbmO4jnS4kEsTbkfccqfapb/Vb3U9gvJt6x52qqKijPU4UAZPrR9mxa0Lmsz6TLY6SNK0mexmjtsXkssxdbqTP31B+6PYf0yd/wAaTwX3gnwle21p9iWRLqMW8dzNLHGEkAG0Su23rk4xWX4q8WP4jtNHsY4Xis9HtPs1uJnDyMM5JZgqj0AGOAO5yaqW3irWLTw/JokN0h0+QsTDJBHJsLDDbGZSyZwM7SKT1+8hJ6M6a08E6daeGItblF54k3xCR7fR2UR2hI6Tv8zqR3GwD/arG0DUv+JfHpVrqN3p11NdFlkiXKPkBVViGBHI9D1rBtL26sLgXFjczW0y9JIZCjD8RzVm01zULCARWkyRhSSreShdc+jEZH4GqW7Gk0XNEfTbLWr1fEmlz6qqwzII4JyhSXtISOoBBP8AnFbfwouLceNYbGazEjXiSRrcpczQywjy3JCmN1BzwDuBrM8H+LpPCN5f39vFJNe3Fq9tETIBGA4wxdSpLdiACvI5yOKxNO1C70nUoL/Tp2t7q3cSRSp1Vh3qfLy/zFJN3sXPD+l2+raslvealZ6fHkEtd+btk+YDaPLRjnnvge9bnizwppem+OrzTbLX9Kt7X7XOihjcsLNVY7UkJiJJ7fLu5HJ71z2q65f61qS39/JGbhQAGhgjhAwcj5UUDOT1xVW7u5768mu7yVpridzJLI5yXYnJJ/GjXT5js7s6v4geGNM8P6jH/ZWqafKrW9sTaQNO0gLQKzSEugG1iSR82fmHA6BNSlfU/hPpd5enfcafqMlhBI33mgMYkCZ7hWzj03Vy15e3OoXHn3szzy7Fj3ucnaqhVH4AAfhWt4h1+DUbLT9L0q2e00vT0PlRyOGeSRsGSVyOCxIA9AABQ9rf1/XT5iSd4+X+Vv69DX8Xp9h8E+ErGC6S7h8i4n8+At5Ts8vKjcAdy7QDkDrxkc1xddLcaxpGo+BtP028a9g1DSzN5HlQpJFOJGDfMxcFCDnoGrmqOrHHYKKKKYwooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAt6n/AMhGX8P5CqlW9T/5CMv4fyFVKS2EtgooopjCiiigAooooAKKKKACiiigAooooAKKKKACiiigDZ8MaHHr+qNaStqAxGXA0/TzeSE5HGwMvHPXNbkvw5lt/HieHbjUPKiktDei6ktmVhEIjJ80ROQ2FI25696zPDHimLQ9P1PTr2xku7LU1jEwt7o28qlGJXa+1uOTkEEHj0rSm+IEbeLYNYg0t0ht9LOmx28l1vbb5LRBi+wZPzZ6DOKUr9P60f62I967/rt/wSjaeF9O1vxFaaZ4b1iW5SVHkuLi8s/s626IpZmwHfcAoJ7elXZPBejSWulX2n+JJZtPvtS/s6WebT/KMDYUl9vmHcuGHcVleCtRn0vxbaT232Qlg8UiXswihkjdCrqzkjblSRnscV0vji40Sw8E6bomjpbw3A1CW8lhttTW/EYKIoJlVQuTg/KM4A560PS39ddfwDVyt/Wz/UwLnwdNp9h4gudRuPs50a7SyVPLz9omLMNoOeMKrNnnt61zddd4l8Z3XjS20rThZw2siEG4k84AXlwVWPznLYC/Kqjk4HJzzVaTwBrsUTSO2k7UUsdut2ROB7CXJpK6WpSffc0PDvw8bxLoRu7OfUkuvKlkAfSn+yEoCdv2gNgEhf7uM8VS0zwxpUnhaPXde1ubT4Jrt7WKO3sftDMyKrEnLoAPnHrWvp/xLtrVNOnutFnm1DTrA2EMkWomOApsZAWi2HnDc4YZPNcvNr3neDbTQfs2Ps17Ld+f5n3t6Iu3bjjGzOc96bvd2/rX/Ilc2l/60/zL2ieGdO1DSdU1bUtYlstPsJ44Q8dn50kpk3bTs3qBwhz81X/BcGnw+JtYa1EOp29ppV3NbPfWSMGZY8qxibcuQexzWFaa99l8I6lof2bf9uuYJ/O8zGzyw4xtxznf1yMYrV+Hrw/2xqcM11bWxudIu4InurhIULtGQq73IUZPqaHf3rdn+X+YPz7r8xnhKay1b4gWc+uG3h864j2Qx6ZHJBI5ZVCNCrRqEPfH5HNZetKdK8YX6xJbk2l9IFUQDyvlkPHltkbePunIxxzUI+0eHtficPbyXFlMkitDMk0ZZSGGHQlWH0NaPiLU9P8AE+vC50rSv7LnvJ2efz74PG0jtnIZlURqCT1Jxnk8Ufy8vn+lh9Xf+tzQ8cPHc6P4XvxaWdtcXmnu85s7SO3WRhPIoJWNQM4AHTtXIKpZgoxknAycV1/jhI7bR/C9gLuzubiz090nFndx3CxsZ5GALRsRnBB6965BW2sGGDg55GRQrXfa7/Mavyo6G58Da1aWctzM2l+XEhdvL1m0dsAZ4VZSSfYAmudrorrxrf3dnLbSadoSJKhQtFolrG4BGMhljBB9wc1ztGtwV7anYeDPAq+L4wqXGpQzvN5KNBpL3FuhOMGSVWGwZP8AdOOtW/CXhzQJ9M8VL4juriK7022OPJtBKIcTIpkU+Yu5skrtIAwc57VHoPxAtdM03RrXUtIuLt9EuGntHttQNurEvvxIuxg3PcYOOKzdI8WRWGsazcX+m/bLPWY5Irm2WcxMA0gcFXwcEMo6g/Sh76dn/wAAj3uvdfnqO03wvpt/HqeoyazLbaFp7Rx/bJLLM0rvnaqwh8Z+Vj9/AA69q09K8M6fovxB0eDUr+O7sL0Q3NhN9g8+O6V3AVZImkQqM7gwycEd6zdP8U6bYrqenyaI8+hag0bmya9IliePO11m2deWzlcEHpUGr+LZtQ8QafqNpaR2UOlpFFY2oYuIkjO5QWPLEnJJ4yT2px+Jf16/O/ysElJpoZcaK178RJdDhMUbTao1opjTYi5l28Lk4Htk49al8aahbXfiF7DTLaO203TWNpaIiDcyq2C7nqzMcsc+uKdrHiiyuvFUGv6HpT6ZdrdfbJQ9356vLvD5X5V2jOeOevWptfv9OsvGVr4l8NzxTRXEy6gLOVTutZQ+5onHQjcDgg8ripgtIqXz/D/glyb5m18v6+4ta78PW0vwrJrtpPqLQwyxxypqOlPZkh87WjJZg4yMHoRkcVU1rwto+hafELzXp21Sayiu0tY9PzHiRAyqZTICDg9dpq3rnjuy1PRdWs7LSLq2m1e4juLma41I3ChkZmwilAQMserHtWD4k17/AISG/trn7N9n8iygtNvmb93lRhN2cDGcZx296Nbf12/zEr31/rVf8E6Sw+HVpPJaaffa8bbWryxN9HZpZGRETyzIoeTeNrFVzgKcZFZlt4Jm1CDw1Jp115412Z7c/usfZpVcBlPPI2lWzxwfau60HWdLS1tPEXiJNLW+tNJe2S6g1lDLIPJaONWtQC2/BCkkgd64fwz46uPDfh/UdNjs0uHucvaXDPhrKVkMbyKMckoxHbkA9qbdpPy/zen3WIXM4r+un+f4F/w9Ha6PpvjO4s0stTbT0iW0ubyximUg3ATeEkDAZX69aj+G9tp+r+MHTUWt/tVwkogt5tMWe3dijkkgSJs24+XAPPYYqLwbEl74Z8U6cLyyt7m7toBAt5dx26yFZ1YgNIwGcAnrWP4f1ibwn4rttSSKK5kspjuj8wFJByrAMuRggnkZ9aLdH2Keqlbv+iK+jaHqWv6gLTSbC6vZOC4tYGlKLkDcQo6c1oeJfCV74S8RS2OtW19FZpcSRRXT2pi+0ojY3oG4OeDwT1FVL7UrEawl3oFhNpsCbT5Ml0ZiSDn721eOnGO1N1fWX1zxFdapqEZIurl53hjkIC7myVUnOOvpT7fP9Ctbsf4gtbS1urX+z4miiltI5drvuOTnkn/Dit7xBcrqfw10fUprLT4LttSuYGls7GK3LoscRUN5arnBY9fWsDWNTtNTW3+zWUts8ESwgvcCQFVHHG0c+9b/AIgtl0z4a6Pps17p892upXM7RWd9FcFEaOIKW8tmxkqevpRLZ+v6/wCQP4o/10f6kTiHxD8N5buS3ii1Hw/JDCZo0C+fbSEhQ+OrIwADdSG56Viw6Xp8nhW51OTWIo7+K4WKPTTExeVCMmQN0AHp/wDWzqT31ho/gD+yrG6S7v8AV5Y7i9aMHbbxpnZFk9WJYs2OBhRUcMvh6D4cXEVxDFPr9zeK1vJG0m+3iXhg4ICYPbBJ55xgUn1+X6X/AFv82JbL+v68vkc1RRRTKCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigC3qf8AyEZfw/kKqVb1P/kIy/h/IVUpLYS2CiiimMKKKKACiiigAre8H2Okar4gttM1qK9P26eO3hltJ0TyWZtu5lZG3jkcAr9awa2vB1mb/wAbaLbAS4kv4FYxEhgC4yQRyPrVRSckmRUdoNmbf2v2LUbm1Lb/ACJWj3YxnaSM/pVetrxfqT6t4w1O7ljt4y1zIALeFY1wGIBwo5PqTyepNYtZQbcU2ay0bCiiirJCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKALep/8hGX8P5CqlW9T/wCQjL+H8hVSkthLYKKKKYwooooAKKKKACtrwzPqwvJrXR9cbR/PhYzObxrdJFUE7WI698A+tYtdb8N9VubHxha2sd7Jb214zRzRiTakp2MFDdjyeM+tTK6i7GNeThSlKPTU5KnIhkkVF5ZjgV2nhax1Tw3qut/a4JbC+g0aeaLcMOhyuGHpSa3q94Lbwpr5upI9TlglE14h2yOFmZQSR1O3jPpS5veSXX/g/wCRm8Q+blir9tetr/ccnqOn3GlalcWF6oW4t5DHIoOQGHXmq1d18TW8RS65dTalNdy6NJds9g0kpaFlPIKc4+76VxEOzzk87Pl7hvx1xnmik3OKuaUajqU1N/gMor3PxlefZNF1dbDQNTvvDMtpsspkvYW0+EEDy5URYsq4OMjduznJNVrHVLx9Y8M+G5Jy+jXvhjdPYsAY3byZW34/vZVTnrxTctG/62b/AELUr/16f5nkei6Y+ta9YaXFIsT3tzHbq7DIUuwXJ/OoL61NjqNzaMwcwStEWAxnaSM/pXsXgRtbFh4LPgsv/Z63X/E9FqFLB/P5Mw67fL24J46968l14hvEmpFSCDdykEd/nNN6SS9f0/pDg+a/y/UbpOkXetXrWunoryrDJMQzBflRC7Hn2U03StPbVdWtrBLi3tmuJBGJrqTy4kz3Zuw966/4Savf2HjB7TT7+W0N9aXEaok3liWXyX8oHnGdxGPc0lrrPi/w98SNOufE2o6pZXzyQpcSXU7CQ2/mDKsSc7eDwapL30u//BJlJpS8ji7qA2t5NbmSOUxSMhkibcjYOMqe4PY1FXq1rpOr+Hvixrd9dW8tm01tql1ZT9N4EUjLIhH1BBFXT4l03xfp1ve6+ZH0u11rTIpPtSgeWDA4uDxnCu6Fj69TzURbaXy/F2KlKzdttfyueOUV7B8RL2+i8M6ja6noGrNay3KfYr67vYZraDDEj7P5cS4VlyMA4xj0rx+iLuUtgor0Wxg8KnSbczp4N8/yV3+dc6sJN2OdwUbd2euOM9OK87P3jj17U+thJ3VxKu6TpF3rV61rp6K8qwyTEMwX5UQux59lNd98NbS/g8P3mqaLca5c3Ru0gk07RJkjkCBdwkk3KxKZJGNuODk1sWF/Po/x81/T9Du20+K9W5RIYZfLR5jAxjHGBneePQnih6O3k/y/4JPPueOU6JPNmSMMq7mC7nOAM9yewr03QF8SL4r1UeJDct4t/spv7J/tJ90vmbx93f8Ax7PM2+/TtVbxnqWsaRb+G73ULuWz8YRJP9rmjfZcLEWAi8wrzvwXHPO3GaLq6v8A1v8A5D5m9F/Wl/uOH1nS20XWLnTnurW8a3baZ7OXzIn4zlW7jmrWq+HpdH0fT7u+uIkub9POjshkyJCfuyN2AbnA645710vxW0y/bxdP4hlgkfTNR8lre9zlJ8wrnB7ng5qj8UFc/EK9m/5drlIZrRv4TAY18vHsF4/A0leyXX+v6+8E7tNdjkKK90v9Nns/BOu6bdvrOqaVbaOr2moXcsb2LyAxlTAoXKnkgfOTgHIrjdY8R6xoPgLwpa6LqM9jBd2E7XCQNsEx8+RctjrwMc0N2/r1/wAhRlzK/wDXT/M89or2nwLHrh0/wX/whgf+zmuv+J6bUruL+fyJu+3y9uAeOvesjQ9Pg8YJrPha5njtjp+rtqUUjsFC2+7ZcgfRQr4/2TVPR2/rRrX01v6CU9L/ANa3/wArfM4Pw74fm8R6hLaw3dtZiG3kuZZrovsREGWPyKzdPQVUuLHy9TazsriPUTuCpLaq+2X/AHQyq35gV3Wl62PEXjrxVqaLshm0e9EEf9yJYdqL+CgCuX8KNtv7sRCNrprSRbZZACGfjjB4JIyKS1a9L/n/AJFq+t+9vy/zM6TTZbe+htr2SG280gGRn3rGCcZbZuIx3GM+1XfEHhuTw+thKdQs9Qt9QgM8E9n5m0qHZDkSIpByp7U/xDAIYLA3FtFa6g8bG4hiQJgbvlJUcKSO1aPi7/kU/Bn/AGDJP/SmWm9EvX9H/kN/EZXiDw7NoX2OZbiK9sb6HzrW7gzskHRhg8hlPBB6fjWPXX3YaH4O6al3w82sTS2gbr5QiVZCPYttH1BqPUl8Rn4YaM15FAPD4vJhZyKE8wyn7wbHzY4PX0+lJ6X/AK3/AKsTF3S+f4X/AMjlKKKKZQUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBb1P/kIy/h/IVUq3qf/ACEZfw/kKqUlsJbBRRRTGFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFbmma5pNlYJBeeFNO1GZSc3E9xdIzc9xHKq8dOBWHRQDVy7qt7a39751jplvpkW0D7PbySOufXMjM3P1qlRRQAUUUUAFFFFABRRRQAUUUUAFFFFABWld69fX+iWWl3jpLBYs32dmQeZGrdU3dduecdiTWbRQAUUUUAdFofi9vD8MJs9E0mS+t2Lw6hPFI00bZyCPn2EjtlTiufkkeaV5JWLO7FmY9ST1NNoo63BKxreHfEE3hzUJbqG0trwTW8ltLDdB9jo4ww+Rlbp6GqN9cx3d7JPDaQWSOci3ty5RPYb2ZvzJqvRR1uGxJbyrDcxyyQxzqjhjFJna4B+6dpBwenBB961fEHiSTxAthGdPs9Pt9PgMEEFmJNoUuznJkdiTlj3rGooDrc0da12+165ilv3TEESwQRRIEjhjXoqqOAOp9ySaS81u+vtNtNPnkRbSzB8qGKJY13HGXbaBuY4GWOTxWfRQFkgooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAtan/wAhGX8P5CqtWtT/AOQjL+H8hVWkthLYKKKKYwooooAKKKKACiiuj8IeEx4obUGe6lhisIBM6WtqbmeQFgPkiDLuxnJORgUCbS3OcorrfDNjocfxFs7WW+kuLRbiNYTc6WHE0hZRslhMowuSQfmPTpzUC+GZtZ+Il9oltJb24S6uPMl2FIoY4yxZtuSQoVSQMnsKXbzv+AXWvkczRXYz+CtOmstKvNC12S+t9Q1P+zS09j5BjfCndje2Rhx6Gm6/4KsdN0vUrzR9bbUTpN4tpfRS2ZgaNmLAMvzsGXKEdj04obtv/W3+aBST/r1/yZyFFdqvw8a48HXGt2c+pBrW1F1Il3pTwQOuQGEc24hyN3oMgHFJfTR6h8H7e6lsbCO5t9XW1W4t7OKKRoxBnDMqgvzzk5JNDdr+VvxdhKSdrdf8rnF0V1+iCHQvAd74h8iKe/vLk6bZmVA6wDZulkAPG7DKoPbJNZmiWlpcafOwtY7+/EgCW0kxjymOSoBBY54xn8KfVoadzDorb0SG1n8UR2d7pqmKebyzDI8gMPPYgg57c0ljbWd9qF7cTWwhtLOEytbwu3z4IULliSMkjJp9LlGLRWr9nXVbyzjs9NFilxJ5YZWdlfkZOWJ6d+an1KzsXmsrrTYfLtJ5WhZNxPzK2OpOeVKn86EmxGHRV/WLaK18QXttAuyGK4dEXJOAGwBk10OtaJaWyamG0prCG1UG2ui8mJ2yPlwxIbIJ+70xSWquO2tjj6K7S18N6dLLZPJGfLNukcybz807qpU9eOHzj/YNcWRg4ptWdg6XCiiuw+G+j6HrOvXMHiCWYKllcSRRx2/mBisLsWJ3rgrgEDnJ4OOtLo2S3Y4+iuu8M2fhz/hP9OhTUZ7uzMsYjN5pKssspcDY8Xn/AHOeTuP0qO38Mxat8QNW0qe7SxgtXu5ZJYLbcFSEOxCR7h2XAG7j1pf8H8A5lr8vxOVorvdV+GJg+zR6Hq39pXE11a2xie1MO03MfmRMDubI2jnpg+vWk8R/C+60Lw/e6pHLfyLp8iJci80qW0RgzbQ0Tsf3gzjqFPIOKG0t/wCv6uJSTtY4Oiuq1rwto+hafELzXp21Sayiu0tY9PzHiRAyqZTICDg9dprlafWxSd1dBRXplt4c0nX/AAP4MsrnVDpmoXkt1DbYs/MSZzKAu9wwKjOBnDda5rw34QGs6he2d4+qRzWj+Ww07S2vcHJBLbWXaBjrzmjrYnnVrnMUV2q/D+Gy1DxHD4g1drKDQJI45Zbe089pS7bVIUsuOx5Pemn4feXr9zbzavEuk22npqb6kIGObdwuwiPOd5LAbc9e9K6av/XcfMr2/r+tTjKK9B8UPZaBofgy50GS31GIWtyRNeaemJczuPnifcpI6c56AiqfjfRDffFu40fRLSCB7qaCKCCGNYo1Z406BRgDJzwKa1dl5/gxcy3ZxVFd54j+F91oXh+91SOW/kXT5ES5F5pUtojBm2honY/vBnHUKeQcVm614W0fQtPiF5r07apNZRXaWsen5jxIgZVMpkBBweu00uZWuNNN2OVorr9CEPiHwXqukXNvELrSbdtRsblUCvtDDzYmI+8pDbhnoR71i6Vpen32l6pc3usRWE9nCr21s8TMbticFQR93Hv/AImh6ME7/kZVFFFMYUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAFrU/+QjL+H8hVWrWp/wDIRl/D+QqrSWwlsFFFFMYUUUUAFFFFABWv4f1PTdLunm1PT7q7bgwvaXxtZIWHcNsb+VZFdP4G8LJ4o1aSG4WV7eKJyyW11bxzM+xiu1ZXXcMjnbkgUXsrila2pHr3jCbWfGEGvxWy28tt5Plq8hlZzEBhpHOC7HHJ4zWvZ+K7S6+IUGr6JpFvp0t08322O/1HME4lUh13lV8tSCwHJwSOa5bRdB1HxDfPaaRAs0scbSvulSNURerFnIAAz3NXZfB+rWWv2ul6lbx28tyokjZruFY5I+csspfyz0P8XXihJXS/rXcl2s/62Ox8RavofhzQ9As9HgtxPaau2pS2tvqi3oAAQAGZVCgnaRgZwBk9a5S48XefY+JLf7Ft/ty9jut3m58ja7vtxj5s78Z46VF4p8PppHje70SwSeNEmWOJb6aIONwBG91byx165xjrV7xh4AvfCnlytc2c9ubeCRit9bmQNIgJAjVyxAJxuAwRz0qVayk+v/A/yQ0kvd/rf/gmlqPxKttQi1WdtFnTU9Vsfsc839oloFHy8pCUyv3BxuwKxNH8TWNr4XudC1nSH1C2kuRdwtFdGBopQhTn5W3KQenHTrSapo1honhLT5LzzZdZ1RRdRqrYS2t8kLkfxM+CfYAetLZaNp+seC7y6sPNi1fSR511GzbkuLdmC71GPlZCQCO4Oe1Npa/1s/0Ykkkrf10/Em0K+0/UPCF/4b1W6SydZvt+n3MgOwShNrxtjkB1AwfVR61hWVxp8MZF9YyXD7sq0dx5ePY/Kf6VLp3h/VNX07UL7TrRp7bTYxLdyBgPKUnAOCcnp2zWbT63KVun9f1v8zbt/EEY8StrN5ZtLJvDxxxzbApHTJKnPAqvb6tFZanLPa2h+yzoY5beaXfvU9RuAHfkHHFZlFFyjfTxJBbLbrp9g8Atkm8otcbmV5ABuztHTsP1qu/iK6ubEQai8t46TpNFJLKSUxnI5zwcj8qyKKd2I19U1PTdQuLi6i064huZpDIWN2GUEnJ+XYP50678Qm9n1Iz25aC9O9YjJ/qXHRgcfUdBkGsail0sO7Nb+3f+KgttSFv8sHlfufM+9sUL1x3x6d60PDEXh06brt14lCuy2jJYRrOyyC4b7hCgfMB3J4HucVzNFD1Qv6+4K1/C+vHw3r8Wo/Zlu4xHJFLAzlfMjkQow3DocMeayKKAaua1xqljb6/a6h4f0+SwjtnSRIbi5+0EurZyW2rx04xW3ceNdNHiS71jTdBktJb63u4rmNr7zFZ50ZSy/INoBYnbznpmuOopWurev47isr3/AK0Om0zxxqOmacY0Mk96t/a3sV3NKX2eQjKqbT1GGA68BcYpviHxBo+sQyPYaHPp95NL5kr/ANotLCO5CxlAVGfVjiubooeuv9f1oCilsbHiTXf+Ehv7a5+zfZ/IsoLTb5m7d5UYTdnAxnGcdvU1eX4fa66hg2kYIyM65ZD/ANq1zNFMLNJJHUxeLG08+GbaSxV28N3ckzFbgEXBMofAIBA+7jI3ZzmrFn45tRp9/p+q6VcT2l1qLaigtL828iOwxtZtjB1xjsO/rXHUUf1+T/RByr+vn/mzrtX8dnVm8UE6d5R1+SB/9fnyPKbOPu/Nn8Kkj8f41CJ59KSexbR4tJu7R5yPPRAPnDAZRsqCODjHeuNopWSVv62t+Qcqvf8Arp/kjofE3iOz1qy0mx0vTJNOs9LikjiSW68923uXJLbF7k9qvat44hvtcsfEFhpTWOu28kMstz9q8yKVo1AGI9o252gn5jXIUU1oHKmdJ4h8QaPrEMj2Ghz6feTS+ZK/9otLCO5CxlAVGfVjiqXiTXv+Ehv7a5+zfZ/IsoLTb5m/d5UYTdnAxnGcdvesiilZWsPrc6nSr6w0HwbqM8d0k+r6xEbJIEB/0aDcDI7npubaFAHbJ9Kj8Py+Hrbwrrz65DFc380SxadGGkEsUmcmTgbNuPU54wBya5qih63Fb87hRRRTGFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQBa1P/AJCMv4fyFVatal/yEJPw/kKq0lsJbBRRRTGFFFFABRRRQAV0HgXWLTQfG+m6jqJZbWKRhKyLuKqylS2O+N2ce1c/RQJq6sdno1zovhu/12FNbiv4bvRZ7eG4it5UV5XxtTDKCOnUgD3qhr2rWd74P8L2VvN5lzYQXCXCbWHllpmZRkjB4OeM1zdFLs/66/5hb+vw/Q6/4gXej61qx17StWWeS9WLzLE28iSW5WJVbcxG08r/AAk9ad4wudF1y0s9Xs9ZjF5HYW1tJpr28okV40VGO/bsK/Ln72fauOootpYFG1vu/r7js/F9u+seHND8SWI821isYtOuwvJtp4htAb0DKFYHvz6U3wxA+i+Ede16+HlwXtm+mWStwbiV2XeVHcIoJJ9SBXIrLIsTxrIwjcgsgbhsdMjvQ0sjxpG8jMkedilshc8nA7UPW/nf8d/1ElZJdrfhsdJ4c8PLqPhXxDqlzqU+nw2MC+WBExiu5C3+qLZA3dCBye/auYpdzbduTtznGeM0lPqUgooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAtal/yEJPw/kKq0UUlsJbBRRRTGFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQB//9k=)

vrun\_arr[]에 계산된 nice값을 전역으로 선언한다.

PCB\* temp와 temp의 pid, nice값, vruntime을 임시적으로 저장할 전역변수를 선언한다.

child process들의 pid를 저장해놓을 pid\_arr[26] 을 전역으로 선언한다.

시간의 흐름을 나타낼 time 전역변수를 0으로 초기화한다.

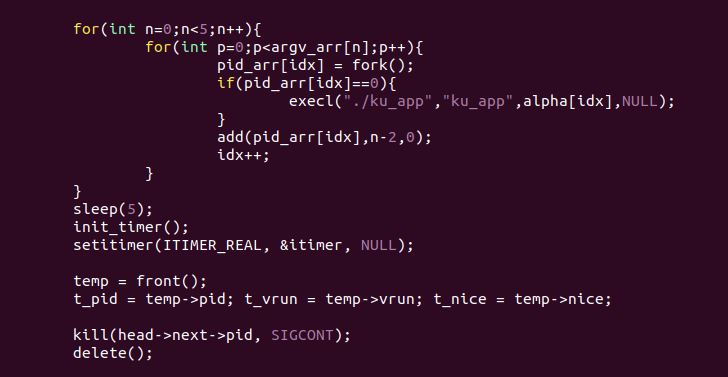
alpha[] 배열에 ku\_app에 차례대로 전해줄 알파벳을 A~Z까지 선언한다.

argv\_arr[] 배열을 선언하고, for문으로 argv[1]~argv[5]의 값을 저장한다. 즉, argv\_arr[1]은 nice값이 -2인 프로세스의 개수, argv\_arr[2]는 nice값이 -1인 프로세스의 개수이다.

총 실행할 시간을 argv[6] 으로부터 end\_time변수에 저장한다.

SIGALRM 이 울리면 timer\_handler 를 동작하도록 설정한다.

연결리스트를 초기화한다.



프로세스의 개수만큼 이중 for문을 돈다. pid\_arr[idx] 에 fork() 의 반환값을 저장한 후, child 프로세스이면 execl 한다. 이때 알파벳을 순서대로 주기위해 alpha[idx]를 인자로 준다.

execl 후엔 pid\_arr에 저장된 pid와 해당 프로세스의 nice값, vruntime의 초기값인 0을 인자로 add()함수에 전달하여 연결리스트에 PCB를 추가한다. 다음 프로세스를 위해 idx 값을 1 더한다.

child process를 모두 생성한 후, sleep(5)를 하고, init\_timer()를 통해 타이머를 세팅한다.

setitimer 함수로 타이머를 시작시킨다.

연결리스트의 첫번째 노드를 front()함수로 가져온 후, 그 PCB의 pid, nice값, vruntime을 변수에 저장해논다.

그 후 연결리스트의 첫번째 노드에 SIGCONT 명령을 내려서 그 프로세스가 실행되도록한다.

delete()를 통해 실행된 프로세스를 연결리스트에서 지운다.

![그리기이(가) 표시된 사진

자동 생성된 설명](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAkACQAAD/4RDcRXhpZgAATU0AKgAAAAgABAE7AAIAAAAKAAAISodpAAQAAAABAAAIVJydAAEAAAAIAAAQzOocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAOydtO2VnOuCmAAABZADAAIAAAAUAAAQopAEAAIAAAAUAAAQtpKRAAIAAAADNDQAAJKSAAIAAAADNDQAAOocAAcAAAgMAAAIlgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADIwMjA6MDQ6MjQgMDU6MjE6MzIAMjAyMDowNDoyNCAwNToyMTozMgAAAHTHXNWYsAAA/+ELHGh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8APD94cGFja2V0IGJlZ2luPSfvu78nIGlkPSdXNU0wTXBDZWhpSHpyZVN6TlRjemtjOWQnPz4NCjx4OnhtcG1ldGEgeG1sbnM6eD0iYWRvYmU6bnM6bWV0YS8iPjxyZGY6UkRGIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iLz48cmRmOkRlc2NyaXB0aW9uIHJkZjphYm91dD0idXVpZDpmYWY1YmRkNS1iYTNkLTExZGEtYWQzMS1kMzNkNzUxODJmMWIiIHhtbG5zOnhtcD0iaHR0cDovL25zLmFkb2JlLmNvbS94YXAvMS4wLyI+PHhtcDpDcmVhdGVEYXRlPjIwMjAtMDQtMjRUMDU6MjE6MzIuNDM4PC94bXA6Q3JlYXRlRGF0ZT48L3JkZjpEZXNjcmlwdGlvbj48cmRmOkRlc2NyaXB0aW9uIHJkZjphYm91dD0idXVpZDpmYWY1YmRkNS1iYTNkLTExZGEtYWQzMS1kMzNkNzUxODJmMWIiIHhtbG5zOmRjPSJodHRwOi8vcHVybC5vcmcvZGMvZWxlbWVudHMvMS4xLyI+PGRjOmNyZWF0b3I+PHJkZjpTZXEgeG1sbnM6cmRmPSJodHRwOi8vd3d3LnczLm9yZy8xOTk5LzAyLzIyLXJkZi1zeW50YXgtbnMjIj48cmRmOmxpPuydtO2VnOuCmDwvcmRmOmxpPjwvcmRmOlNlcT4NCgkJCTwvZGM6Y3JlYXRvcj48L3JkZjpEZXNjcmlwdGlvbj48L3JkZjpSREY+PC94OnhtcG1ldGE+DQogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgIDw/eHBhY2tldCBlbmQ9J3cnPz7/2wBDAAcFBQYFBAcGBQYIBwcIChELCgkJChUPEAwRGBUaGRgVGBcbHichGx0lHRcYIi4iJSgpKywrGiAvMy8qMicqKyr/2wBDAQcICAoJChQLCxQqHBgcKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKir/wAARCADLAtkDASIAAhEBAxEB/8QAHwAAAQUBAQEBAQEAAAAAAAAAAAECAwQFBgcICQoL/8QAtRAAAgEDAwIEAwUFBAQAAAF9AQIDAAQRBRIhMUEGE1FhByJxFDKBkaEII0KxwRVS0fAkM2JyggkKFhcYGRolJicoKSo0NTY3ODk6Q0RFRkdISUpTVFVWV1hZWmNkZWZnaGlqc3R1dnd4eXqDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uHi4+Tl5ufo6erx8vP09fb3+Pn6/8QAHwEAAwEBAQEBAQEBAQAAAAAAAAECAwQFBgcICQoL/8QAtREAAgECBAQDBAcFBAQAAQJ3AAECAxEEBSExBhJBUQdhcRMiMoEIFEKRobHBCSMzUvAVYnLRChYkNOEl8RcYGRomJygpKjU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6goOEhYaHiImKkpOUlZaXmJmaoqOkpaanqKmqsrO0tba3uLm6wsPExcbHyMnK0tPU1dbX2Nna4uPk5ebn6Onq8vP09fb3+Pn6/9oADAMBAAIRAxEAPwDwy7/4/Jv+ujfzqKutsfD8XiHRZl02D/ibQamscpDE74ZTtU4zgbXHJH94Zq1Lp/h63/4SDV7fT/ttjp9zFaWtsZ3COWDAyuwO7B2EgAjlvbFXzpaf10/zOn6xFPls7r+l9+68jjILea6uEgtYnmmkYKkcalmY+gA5Jpro0cjJIpR1JDKwwQfQiu4gttP0XxxoNxZ2OYNUht50gkuJVa0Z32kq6MrHGCQT2POao2Gi2up/Ee/srzzWtoZrqVo1cmSURh22bjk5O3GetHP+v4CWJTu7aJXOaNjcjT1vjCwtWlMKy9i4AJX8iPzqCuz1u7s734Z2Umn6bHp0Y1eYGKOV5AT5UfOXJPTHftXGVUXe5rSqOpG7VtX+DHMjqqsysAwypI6/SpWsrpbFL1raYWjuY1uDGfLZwMlQ3QnHavQPGesaa/grwui+GrBHn0yTypRPc5tv38g+XMuDyM/MG5PpgVQ1C4gvfgzaSQ2YtGtdXEBWK5mZJCYMlyjuyhiR1UCm3ZPydvxsWpXt5/5XOHor0/T9L8I2XhfTpdU0e2uL2fTEvFaa9lja5ka7MJQKrgcIN3yjPy5ORmrB8E+GtCi1a81GSwlSPW59Ot49UuLlI0jjwetuhYudw6kDA6Hs3o7ev4O36iU0/wCvK55RRXoFno/hUeIfFVxZRjWtJ0yw+1WaPLJGrsXjXaWG1yBvYds4rjNVvLS+vjNYaZDpkRUD7PBJI6g9zmRmbn60r7FJ3v8A12/zI9O0671a/jstOga4uZc7I06tgEn9AarV2PwoIX4n6SWXcoMpK5xn90/FS6ho+n694Y0nVPD2jLp17dao2mtZxXDyRyttRkYGRiQfmwecfSn1/rvYXNZ2f9b/AORxNFeleJPDGhr4N1S8tIdKt9S0q6hhlTS7u5mGHLKyyecMZBXgocdasa/4e8Nm88TaLYaKtlcaLpyXsF8l1K7SkCIsrqzFcHzD0Axip5lZv+trhzapd/8AhjzbT9Ou9VvFtNPgaedlZhGnUhVLMfwAJ/CpjoOrrow1dtKvhpjHAvTbP5JOcffxt68detepeGLPRfDvi7StJg0gT31xosl22qyXEm7dJaO5CIDs2gHbyCepzXH+HXdvhl4xQsxVRZYGeB++NNuza/rdr9BKV7P0/E46ivQfCvh3QU8EjX9dfTpJJ75rWOPUZ7mOJFRFYkfZ0LFzu4yQAB0PZLPR/Co8Q+KriyjGtaTplh9qs0eWSNXYvGu0sNrkDew7ZxQ3Z2/ra41K/wDXnb8zz+rd9pV9pl0ltqFpLbzyIsixSLhirDKnHuK6rwadN1v4mafJFo9vZW0avOLKOSSRHeKNnUZkZicso4zXODWZZ/ED6tqsa6jPLK0sonkdd7HvlGVhg8jBHSgG3rYpXNtPZ3D293DJBNGcPHKhVlPoQeRUVdl4lsYLn4ttZyiRoLi8gVw8ruxDhM/MxLHqepp2uado1xpGuTadpa6dNo9+kAaOeRxPGzOvzBycEbAcjHXpUKeib6/8D/MwjiE1G63Sf3nGFGVVLKQGGVJHWkrufFWqWDeF/D6LoNmjTac/lyCWfMH76QfLmTB55+YHr6Vw1VGV7mlGo6keZqwVPb2V1dxzPaW006W6eZM0cZYRpnG5sdBz1Ndv4S0zQNS8Pww21hp+qeIXndZLPUb2a2Z142CAqyoxPOQxznGBTPBDxjTPFWlT6f5VwulXMrTpczxyDZt/dsquEZQcnDKabdr+SuXzX+9L8ThKs6fp13q1/FZabbvc3UpIjijGWYgZwB9BXR+GdN0uLwrrHiLV7D+0xYywW8Nm0rxoWk3He5QhsAJgAEZJpvjezs9G17TZ9Btzpy3GnWt8sccrt5UjoGO1mJbg9Oaeidn/AFpf8gve6Ryzo0bsjqVZTgqRgg+lXbvRdV0+ygvL/TLy2tbn/UTzW7IkvGflYjDceldR42tYtT8W6VdXFxb2EusadbXd3NMGEaSunzOQoJG4jdwP4qqfE2Z5fiNqyvvCxSLEgc/wqiqCMEjBAyPYilrt11/Dcad7W7X+85SiiimMKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDUs9b1HQ9TvJtJuntpJlkgkZQDuRjyOf59R2qLStb1DRJZH0248rzl2SI0ayJIM5wyMCp59RVW6/4/Jv8Aro386iqbIj2cGtVuXL3Vr7UdSOoXtzJLdEgiXOCuOmMdAMcAdKuXnirWb7UrfUJ7zF5bsWjnhiSJgx6klANx9zmseinZB7OD6LsaureJtV1u2jt9RnjeGJzIqRW8cQ3EYLHYoyeByayqKKEkthxjGKtFWRtQ+Ltag8P/ANiLdRvp+HVY5baKRow33gjspZAf9kim6P4q1jQbO4tNMukS3uSGlilgjmUsAQGAdThsE8jBrHop7jsi7c6vfXaWK3E+8afF5VsNijy03l8cDn5mJ5z1rUtfHXiK0vL+5iv1ZtRmM90k1vFLFLITncY3UoDyeQK56u18D6L4c1PQPEdxrt1cxT2lkJI/KtBL5I82MeYD5i7m+YrtIxg5z2o6N+onZWv5HODxDqazalItwqtqkZiu9sSASKWDYAAwvKg/LjpS6PbaLctL/bup3dgqgeWbaxW43+ucyJjt610/gDTdCvPG8lml39qEkckdmt/pIkjmzGxLOgmGwjHGC3PPFY3hTw1beIDqMl/qL6fbWECyvIlv5zNukWMALuXu45z0oW9l2BySuK91pvhu8ttS8H67fXF9GzDNzpiQhAVIJH7yQHqRgisyLXNRg02Gwgumjt4Lr7ZEqAApNgDeGxnOFHfHFdjd/Cm4/wCEgsdL0fUxfNcXVzaTO1syeTJbgGXCgsXXByMcnpiqviP4a3+j6ZZ31gmp3KXN19jEF3pUlrOZSMrtjJbeCAcEHORjAqU1a/8AXl+IXje39df+CZOqeOfEGs6fNZahdwvBcOskwjs4YmmZTkF2RAzHk9SetVpvFWs3Goahey3m641K3+zXT+Ug8yP5RtxjA+4vIweK0tf+H2veH9KsL+60vUhFc2wlnaSxkjW1cyMgjYnucKecfeHHq+/+HHiPT/C1vrE+j6ou+SYTwvp8i/ZkjCESMSOFO48kAfKeT2eiv/XkCcdLf11K1j4+8S6dpkdha6iBBFG0URktopHiRgQVSRlLKCCeAR1qhofiTVfDks76RcrF9oTy5kkhSVJFzkBkcFTgjI44pYdL0+Twrc6nJrEUd/FcLFHppiYvKhGTIG6AD0/+tnKp9WOysbmmeMdc0drv7DeIqXknmzwy28csTv8A3vLdSoPPUCqo8Q6ms2pSLcKrapGYrvbEgEilg2AAMLyoPy46Vm0UrIdkW9K1O60XV7XUtPk8u5tZVljbGcEHPPqParHiG907UtalvNIsWsIJwHa2L7ljkP3gh/u56A8gVmUUwtrc2LnxXrN39jNzdLI9k6PBIYI94KcLltuWxj+Imqr6zfyQX0Lz5j1CVZrkbF/eOCSD045Y9Mdao0UuVdiFTglZJGrH4l1WLRf7JFwjWQDBUkgjcoG5YKxUsufYisqiiiyHGMY/CrG9pPjXXdDs47XTLmCJImLRO1lC8kZJzlZGQspz6EVS0rXtT0XVv7S027aK7IYNIyh94YYYMGBDA55BBrOop9bjsjsPDfjD7Jq+o3+r6pe2j3iKrrY6dbTRS47PC5WPAwMYHFN8SeK9O8TeOYNU1K0uZNMgiigMKskcsyRpgZKjapYjnAwAeK5Gil28hcqu33NLxBrdx4h1yfUrpUjaUgJFGMJEigKiKPQKAPwrT8Z6vpHiHU/7X09r2O8uQn2m2nhQRxlUVfkkDktkjuq1zVFFtLFW1uFFFFMAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAJbr/j8m/66N/Ooqluv+Pyb/ro386ipLYFsFFFFMAooooAKKKKACt3wv4hh0GW/jvrD+0LLUbU2txAs3lMV3KwKvg4IKjsawq6i08Ox33w9iv7O1ln1WbWhZRiMkllMW4KF9d1HR/1vp+onbRP+ra/oVNK8RQaD40t9b0jTzHb28m5LOecyEqV2spcAdQTzgYz0qx/wk2nWcOsQaHpE1lBqdrHAFkvfNaJlmWTfu2DP3AMcY65NWvC3geXVfE13pmqIzCzV1lisr61EpkCsVCb3AcZHzbc49qyvClrpV/4ktbHXIbySC6lSBTZzpEyMzABiWRgQMnjA+tCV2kiZNK8n0/TU1NN+IV9p0Omkw/a7i0u7q4nluZS/2tbhFR0bvyFPzZz83tWZruraTfCL+xNKu9NZWLOZtQNwD6BfkXbj8T7028s9M0nxje2V/Hd3On2l1NDthmWOVlViqneUYA8DPy+vSpvG+iWnh3xlfaXprTPbQFDGZ2DPho1bkgAH73oKlNSSaKsoysVdW1+61ay022m+VdPtfsy4YnzB5jvuPvl8fgKLnxDd3Xhyz0dyRFaTTTCTedz+YEBB9hs/U1e8U6NYeHYLLSx5kusiNZ7+QviOIuoZYQvqoIJbPU47Ve134c6ho3h/T9T+02Mq3Fq1xOn9o22Uw7LhAJCZOAD8oPJI6im7K7ff/giTWn4fkU4ZfD0Hw4uIriGKfX7m8VreSNpN9vEvDBwQEwe2CTzzjArmqK6HTPAniPWdLi1DTbBZoJywhH2mJZJipwwSMsHfHsDT7seiWpz1FdR4d8JjVND1zULuOY/YLWR4kguYFdZEwSZInYSFAD1VTz+VZWieHNV8RTTR6RaibyE3zSPKkUca5wCzuQoyfU80dbBdbmZRXTeO/DsXhjV7GxijaOR9Ntp7hTIH/eumXwRxjPpxXM0rjWqTCipIIWuLiOFMBpHCAk4GScVf1XTrPTpJIIr6Se5hk8uSNrcouR1IO45/ECmBmUVr3OlWEOhw6hHfzyPMzIkRtQo3Ljdlt54+brikOkWttaQvqeoG3muI/NjhSAyYU9CxyMZ9s07WGZNFa0Gk2o0uG91C+a3W4dliWODzPu4yWORjr7ml0fSrHUzIk1/NBLGjybVtg6lFXOc7xzweMUWAyKK1YNKtJ1ubk30kdhblV85rf53ZuihA2Ox/i7VOnh1DfMkl7/on2Q3iXCRbi6D/AGSRg5yMZ7UWAw6K1LnT7awNjeiQ31hOxO3HlOwUjcp64+oz1q54t0O00q6tLzR5JJdJ1OD7TZtLjegyVaNscblYEZ78HvSegutjn6K0tU8P6potpYXWp2jW8OpQfaLV2YHzY/Xg8fQ4NZtAbhRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAS3X/AB+Tf9dG/nUVS3X/AB+Tf9dG/nUVJbAtgooopgFFFFABRRRQAV6H4P8AHOn+G/Akum3CfaJbvUW+0RRhkmS3aHYZIpQMK2eOvIyCMGvPKu2GkXepWt9cWiK0dhB9onJYDam5VyPXlhQ9mn/XUTSbX9eR0Hhy/wBG8LfE60u49Qa90iCZgLtIWVvLdCuShAORu5A9DjNZ6/2d4e8XafcWWpx6ta2s8U7TQQvGDtfJUCQA5wPTHNYVFEfdafYTine/U6LxqulSeI7q/wBF1iPUor64luCEgkiMIZtwVt4GTz2yOOtXvH95o+s6ydf0nVkuJLwReZYm3kSS3KxKp3MRtPK/wk9a4+ilFcqSXQp6u7Oy+I9s17ri+KLT97puuKs8Uq8hJNoEkTejKwPHpg0mpXOi634I0UNrMdnqGkWktu1lLbys05MrupR1Urzvx8xGMVyPmyeSIfMbyg24Ju+XPTOPWmUWVrdBJbBXqNnDo6eCPA2oazro0wWNxdTCNbeSSSYLOrEIVGA3GPmIHPWuUX4keNUUKnirV1VRgAXj8D86wrrUb2+REvLuedI2dkWWQsELnLEA9Mnk+pp3aehMo8yszrdF8S6ZceNvEV5qch020123u4Vl8syC3Mp3KWVckgHg4BpNJudDh0XXfC93raRQXc0E9vqqW0pidow2VZMbwp3nB29V6VxVFTyq1vK33O6Kau2/mdb4yurHXPEml2ui3f22KDT7SxM8cLgO6IFYqpAYjPtms3xh4eTwr4rvNGiv01BbUqPPSMpklQSCpJwRnBHqKx4ZpbeZJreR4pUO5HRirKfUEdKazF2LMSzE5JJ5Jp/8H8QStp5WFjCtKgd9ilgC2M7R64re1C8tX0SSC41JdUudyfZ5BCwaJR1y7AEgjjHNc/RT6WKN28NgfC1pbxanBJcQSSStEI5ATvC8AlcZGD3q3b3mj3t5p9/qFykTW0SRXFtLCziXYMAqQCORjg4rl6KdwN/RLm3tVVp9Xjit2fM9lJA8gkGfTBUkjvkYqvpd7aWurXkxJht5IJ0iBBJG5SFHH1ArIoouFzW024tZdHutMvbj7L5kqTRTMhZQyggghcnkH07Vpxa5ZWtz5cEokittMe2iklhys0hO77pB4JJ6+nNctWjoGi3HiLXrTSbOSKKe7k8tHmJCKcZySATjjsDRdv8ArysK/Kr/ANdyO5vb3V7iGOT96w/dwwwxBQMnoqKAOT6Dmui8bKNL0rQPDUrK17pdvI94FOfKllfeYvqq7c+hJFYF9YLp2qRwWGp22oNlStxZ+Yqhs9P3iI2R9Pxpmsadd6RrN3p+pjF3bStHMN275weee9Tvb+v63/IOupteL/Dy6Dp+gl9SnuLq7sfOms7iIxvZ/NwuCc4PJHTPXoa5ilZmdizksT1JOc0lMFogorQk0ho/DsOrm8s2SW4aAWqzZnUgA7inZTnAPrWfQAUUUUAFFWLOyuL+fybSPe+CxywUADuSeAPrUs2lXFpfw2uoFLTzSpE0h3RhScb8puyB7Z6UAUqK2fEPhuTw+lhKdQs9Qt9QgM8E9mZNpUOyHIkRSDlT2rGpAFFFFMAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigCW6/4/Jv8Aro386iqW6/4/Jv8Aro386ipLYFsFFFFMAooooAKKKKACvRPhfq2upp/iTSPD+oXcV3Pp5ls7a3nKM8wkjyUGeX2BunOM153RR0aFJXNHXxqy67dDxGbg6nuH2g3TFpN2B94nnOMVtfDy9hXxBNpF9II7PXLZ9PlduiM/Mbn6SBD+dZmkavpun2zx3/hyx1Z2fcJbme4RlGPugRyKMd+Rnmn+JSouLXb4dt9C8yBZljglmfzkcZV/3juRx0xilsrP0E9dDt1jj074jeCvB58uVdGuoVvAMMr3MsgaUehx8qf8ArCfxhq1/wCPdO/4SDV7i4srHVkkVZpMpCokGSB2GBXJ3GnXdrZ2t3cQNHBeKzW8h6SBW2kj6EEUt3pl7Y29rPeWskEV5GZbdnXHmJnG4e2R1pp2ab6N/f8A0hOKaa7q35/nc9M8Q6DqWi+FPHE+pWrwQX+r20lpMcFLhPMmO5D0YYYHj1rT8S6peajrnjbQb6dp9MstGS4tbZwCtvIohIZP7p+ZunXNeMOjxkB1ZSQCARjIPem1CjZW/rZL9BtXkpP+tQrvfB974Xh8HeIo9RtNSNw9jGJ/Lv4oxMPtMZAjUxEqRwTktwD07cFU6WV1LZS3kVtM9rCyrLOsZKRlugLdATjjNX0G1ex2HhuPwzLZTteReHlzcN5S6zdX/nrHxtBNsAhHvgHOeOlc34iWzXXrgaaLEW3y7P7PeZofujO0zfP19e+ccVmAZOBVnUNPu9K1Cax1GBre5hbbJE/VT6Gl1BKzOi+Hl7CviCbSL6QR2euWz6fK7dEZ+Y3P0kCH866dY49O+I3grwefLlXRrqFbwDDK9zLIGlHocfKn/AK8toqvtJ9v6/V/h2JlC6a7/wBXO1fxhq1/4907/hINXuLiysdWSRVmkykKiQZIHYYFdD4h0HUtF8KeOJ9StXggv9XtpLSY4KXCeZMdyHowwwPHrXlbo0blJFKspwVYYIptQlaKXb/gf5FNXk2v63/zPafEuqXmo65420G+nafTLLRkuLW2cArbyKISGT+6fmbp1zXi1FdaNY0yPTo7yT4eacbVn8pblp74I7gZI3edjPfAp2tr/XqKK5Vy/wBbL/I7r4W2N5a6Ros9jLrWo2t/fEX1rYSoLW1UOFP2hCrFgy887RjoawNP1C58OeFfGd3oFw1jPFq9vDFPbnayRkzfKG6gcDp6V51M6yTO8caxKzErGpJCDPQZJPHvTKHrr/W6/wAvxEoWvf8Arf8AzO98Fa1qLN4v1t7yVtUTSTKt2xzIrmaIbgexwSM1D4G1jUdc+LWiXmsXs17cmYKZZ3LMQFOBk1xFaOga1ceHdetNWs44pZ7STzESYEoxxjBAIOOexFFldf13Bx92Vt3/AJL/ACG6XqV1pGuQX1jdS2k8MuVmhcqyjocEexNdz8X38VT+ILy41We+n0CW8Z9NeWYvAykZUx84+76VwmqX0Oo3vn2+m2umqVA8i0MhTPr+8d2yfrimWU0dhqSSX1hHeJGTvtbhnRX46EoVYevBFFrpeX/A/wAin8XMisOor2jxLql5qOueNtBvp2n0yy0ZLi1tnAK28iiEhk/un5m6dc15te+INGubKWG28HaXZyuuFuIrm7Zoz6gNMVP4g1z9D1Vv6/pCtdqXb/gHo1qNd8ZfCA2FtJdatcaXqiMIDIXa3t/IKggE8ICMegq5ow8Sf8K+0f8A4Vp5v2jdN/a/2DH2nzd/yb/4tmzGP4evevLaKb1bfe35W/rzFy6Jdj1/wObiLwlenTLTVbnxIuqP/aCaVdxQ3YTaNud0blk3b8hcDPXPFZ+i6poT/G1bvVtGu9KmOoxGOFLyKOO2cYDmQeXhstzhduMmvMKtWGl32qSTJp1rLcvDE00ixLkqi9Wx6ClbW/8AX9aA4KzXf9TWOm6fr3iIW/h23vba2CF5RdTLcPwSSV2ImeMADHXvVfxEt3HNbxT2E9lbQx+XbJOpDFQckk9yScn61j1JbyrDcxyyQxzqjhjFJna4B+6dpBwenBB96fRI0b3Z1Pi7/kU/Bn/YMk/9KZab4vXxGNC8Mt4higSzNhjTWhCZaHP8W3nPI6/zzWb4g8SSeIEsIjp9np9vp8BgggsxJtCl2c5MjsScse9VtV1u+1p4DfSIUtohFBFFEsccSZzhVUADkknuScmlv97f5/5kJWt6f5GfRRRTKCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAJbr/j8m/wCujfzqKpbr/j8m/wCujfzqKktgWwUUUUwCiiigAooooAK7Pwbo1o+lXGq65Z6Q+nG4W2SbU7u4i/eY3MqCDJJwQckEDiuMrZ0fxXrGg2ktrp1zH9mlcSNBcW0VxHvAxuCyKwBxxkDNNEyTa0Oy1HwpoPhm+8XXk9i2rW2kXsNra2kk7ooEu5t7smGIAXAwRknmtHXNO0nVNeOqXunmSy0zwpaXsempOwD/ACoqoX+9tXfknrgda4GDxr4gt9bvNWj1Am7vxi6Lwxuk49GjKlCOPTih/GviB/ECa3/aJS/SIQLJHEiL5YGNmwKF24424xUWdkv62a/PUXK73/rdP5bWOw1aLTtfT4b28dimnWN4zxPbxyu6orXZVsM5Lc8nknrXI+LNWmv/AB5f3eowrKIrtoxauSqLGjbVi+UghQoA4IqtrHinWNduLSbUbpC1mMW4ggjgWL5t3yrGqgc89Kl8Va5a+I9Qj1OOzNrfzx5vyrAxzTd5FH8O7qR6k4p9n5v8RpWbv/X9fodP8UtUsJtQtbaLQLK3nfTLJ1u0mnLophQ7AGkK4A4yVJx3zzXnlb0nizVNS0u20bVb4Np0YSLf9kieaONTwA+A5A7LuA7VPJpvgwRMYvE2rO4U7VbREAJ7DP2k4o2uwjolF9kdbZ+HfDV1qPhzw3Jom241nSo7htUS5l82KZlc7thYoUG3kbRxnmsbSJoLj4T+JbVbQQy2b2rtPFczD7QWmIy8e/yzgcD5R+dN1j4k6jLpOm6bodxJaW9vpUdlOWt4hIWAIfbJguFII4BGfSuc0PxHqnhyaaTSLlYvtEflzJJCkqSLnOGRwVPIz04oerfa/wCuhMVLlXfT/gm/pFlo2k+BYNf1TSBrE95qD2iRyXEkUduqIrE/IQSx38ZOMDoai+KuD8VNfwMD7V0/4CKzdM8Za5o7XX2G8QJeSebPDLbRSxO/97y3UqDz1AqfR/FUkXjyDxPrrz3dxHP9pdolQNJIOQORtAJAHTgdBRa8k3/W3+Q9Um9/6/A5yr2i3ENrrdpNc2cV7Esg3QTM6q3bkoytx14Pak1nUn1nXL7U5Ykhe8uHnaOMYVCzE4HtzVIHHSqhKzTZUldNHc/FfULO48eazbW+jWtnPFfyeZdxSzM8/P8AEGcqPX5VFcMOtdFdeKb3xPNbW3ivU2FojZe5hsInm4XAJI2NIe3zNTb3T/CUVlK+n+IdUuLlVzHFLo6Rq59CwnbH1waiK5Ekwv0Oy1/w94bN54m0Ww0VbK40XTkvYL5LqV2lIERZXVmK4PmHoBjFYuoXEF78GbSSGzFo1rq4gKxXMzJITBkuUd2UMSOqgVz03irWbjUNQvZbzdcalb/Zrp/KQeZH8o24xgfcXkYPFLo/irWNBs7i00y6RLe5IaWKWCOZSwBAYB1OGwTyMGhp2t6fff8AyJjFq3l/lb8zdW00Pw34N0XUtQ0Rdbu9YE0m6e5liigVH2bVEZUluMkk8ZHFX/Dfh/w8fCDeItY/s0G51B7aG31C4ukiiRVViAYFZi3zcbiBgd+3L6R4y13Q7BrGwvE+yM/mfZ7i2iuI1b+8qyKwU+4xRpnjHXNHa7+w3iKl5J5k8MtvHLE7/wB7y3UqDz1AqurDldv68yLxTbaRa+JryLw3dfatMDAwSfN0IBI+YAnBJGSBnFZFb+geIlsPG1t4g1QSTPDP9pK26RrvccgYI2qCfQcDoKzdZ1J9Z1y+1OWJIXvLh52jjGFQsxOB7c0loki+oui3ENrrdpNc2cV7Esg3QTM6q3bkoytx14Paur+K+oWdx481m2t9GtbOeK/k8y7ilmZ5+f4gzlR6/KorhgcdK6K68U3viea2tvFepsLRGy9zDYRPNwuASRsaQ9vmahq9vL/gf5E2s7nPoQsillDgEEqT19q9G1bwnounPrmvLaE6E+nQzaTGZX/11wMIu7OT5ZWUkEn7nNcve6f4SispXsPEOqXFyq5jil0hI1c+hYTtj64NUbnxDqt34ftNDub15NNspGkt7cgYRm6nOMnv1PGTjqaHqrL+v66dg1bT6f1/wx0l5HoWg+D9Bml8PQahearaSzS3E91MpjIldBtVHUcBQeQal03w3pVxH8P2ltNw1i9eG+PmOPOUXCpjr8vynHy461yF5qt7f2dlaXc3mQWEbRWy7ANilixGQMn5mJ5zWnonjfxB4es1tdKvkjgSXzo0ltopvKfj5k8xW2HgcrjpVLSV/MmUZctkdFFp/h7RvDeoapf6DHqjLrz2CJLdTRiOIIW42MOeOpzWPr8L+BfiZdx6BPLGdNu91s7HLAcEA+vBwfWsabXNRuNNksJrkvbSXZvHQovMxGC2cZ6ds49q0LHxKkvi1/EHie3bVrjPnCP5Y0kmAGzeAPuDHIGM4xUxumm+n+S/VP7ypLR+d/z/AMi341s9P0r4o38ItC9it2sj2sbbTtYK7Rg9upX2rE16Swl168fSLCXTrIynybWaQu8S/wB0k8n8antdddvFya7qxnuJvtX2qUwyKjs+d2QSrAfNjsab4m1+48UeJr/WrxEjmvJTIyJ0XsB+QFJKyS/rp/X/AA5Wt2ZVFFFUAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAS3X/H5N/10b+dRVLdf8fk3/XRv51FSWwLYKKKKYBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAS3f/AB+Tf9dG/nUVS3X/AB+Tf9dG/nUVJbAtgooopgFFFFABRRRQAV1PhTwNdeKdJ1a+guLaEWEG+NZbuGPzH3oMHe4Krhs7jxkYzmuWrqPBeo6bbR63p2sXv2CLVNPNsl00TSLG4kRxuCgtg7COAetHRkyvpbuvzKFr4T1i91S5sLS3hmltBunkS6iMMY45M27y8c4zu68VYh8CeI59XuNMTTwt1bRLNKJLiJECMQFYOzBWBLAAgnOeK6Dwpruj6HZa7oEmqWJju5IZbfU7jS/tVuzR7sq0UiFgDvOG25BHTmnXfi+Irr0d3q9nfudMt7XT3tLA20TbLiOTYECLtAAbkgdPpS6oV5Xdv61Rz9x4B8TWurWemzaYRd3zOsCLNGwZk++pYNhWXuCQR3qnrfhfV/D0cEmq2qpDcZEU0M0c0bkdQHjZlyPTOa9H8HeJ4PEfinw8bmWOPUZdW1K8uooo2CxiWFcEZ6jKtxknjmuS1m90fTPAaeHdK1YaxNNqP22SeO3kijhAjKBQHAJY5yeMcDk0ru2u41JuVv66/wCX4nHUU6NtkityNpB+U4P4V6FqfxJiv9HurMX/AIyczwtHtudeSSI5GMMnkDcvqMjPrVPbQd3c87rvPB3gGDWPDV5r2rPvt4pEigt4NUtbZ3Zi2S7SkhANvAIy2eOBmuDro7DVbOH4c6xpck228ub+1mii2n5kRZQxzjAxuXqe9D+F/wBdUKV3axHaeFL/AFy8v28P2ubO0l2NJdXkKCPJO0NIzKhJwenXFRWfhDWtQ1W60+ztY5ZrMZuHFzF5MQ9TLu2Y567uas6dqtnB8Otb0yWbbeXV7aywxbCdyoJNxzjAxuHU96s+GNR0uXwtrHh3V7/+y/t0sFxFeGF5EDR7vkcIC2CHyCAeRS2uu3/A/wCCDbKEXgrxBNr02jDTyl9BEZpI5ZUjVYwAd+9mC7cEHOcc0TeDtYtNftNIv4Irae7UPC8l1EInQ5+YS7thHB/i68da6yXxboa3l1bQ3jyW1t4XfSLe6khYG6l6g7cEqMkgbsYAGcVzusazZ3HhfwnbW83m3Omxzi5j2sNm6cuoyRg5BzxmmviV9v8Ah/8AJfeK8mv67L/hhPGngq68H6xc20k9tcW0dw0MUiXcLyNju0aOWT/gQFM8U6NYeHYLLSx5susiNZ7+Qv8Au4i6hlhVfVQQSc9TjtVvx9Noup+IbvX9G1qO8OoXJmNmbaWOSANyQxZdpwePlJqT4j2zXuuL4otP3um64qzxSryEk2gSRN6MrA8emDUK/Kr/ANf1+g73a/r+v6ZRvNG0+78Ewa7o3mxy2ki2up28jbtrsCUlU4+620gjsR71mxeH9Un8OT69FaM2mW8628txuGFkIyBjOfTnGOa34YH0D4XXxvx5c/iCaAWkDcMYYiWaXHZSxCg9/m9KqweHlPwzu9duNSntmF8kNvZPEwjuuDllbOGK85wDjv1FU9L/AC/T+vL5AnscxRRRTKCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAluv+Pyb/ro386iqW6/4/Jv+ujfzqKktgWwUUUUwCiiigAooooAKu2GkXepWt9cWiK0dhB9onJYDam5VyPXlhVKvRPhfq2upp/iTSPD+oXcV3Pp5ls7a3nKM8wkjyUGeX2BunOM0dGTJ2t6r8zzuitHXxqy67dDxGbg6nuH2g3TFpN2B94nnOMV1XwnS+fW9a/sff/aK6Lcm1MZw6yfLtKnsaS2v5XHJ2OMsLi5tb+KWxuntJw21J0kMZTPBO4dBg8+1TazpbaLrFzp73VreNbttM9nL5kT8ZyrdxzXceM9R1nR7bw3fajcy2XjCNJ/tc0b7LhYiwEXmFedxBcc84xmrvizTQfi5YeIdfgL+HNRu7Rzeud0U6GNN3PccHP401q19xLlZX8vyOBstCkvPDOqaysyrHp0sEbRkcuZSwGD7bD+dZVew+Kn8WD4e+KF8WtKbZtQtf7OJ2+SybpM+SRwUxt6cCvHqlO7fy/JFIKK9FsYPCp0m3M6eDfP8ld/nXOrCTdjncFG3dnrjjPTivOz9449e1PrYE7q5csNIu9Stb64tEVo7CD7ROSwG1NyrkevLCqVeifC/VtdTT/EmkeH9Qu4rufTzLZ21vOUZ5hJHkoM8vsDdOcZrW8FC/S48Tf2rFqdz4x3QbUiu0ivjHzv2PIj/ADfcyAN2PxpvR/L9Seayfr/keS0V7JLr13Z6r4m1NNNvdD1Kz0e2Wczyq1xI32mIGRiqoNzIcHgZ79a0dL1dfFXizwvq8Suwl1jU47QTKoeOERI0UfGQAu44GcDPFTcOf+vlc8Kp/myeSIfMbyg24Ju+XPTOPWvRPGi6z/wgFsfHe/8At/8AtEi0a5INw1t5fz7j1Kb9u3PvjiuN1WbQZLe2Gh2eoW86/wCva8uklVjgfdCxrt5z1Jpp3dik7pMzZJZJdvmyM+1Qq7mzgDoB7U0sxUAkkL0Geleh61d+HG0GdPE0mnahrxi/0ebQIfL2PjjzpBiJx67EYn+9XZ2UWtiLwwLtW/4QltBjOpibb9mHyPuJB6SfdwR82cYpN2V/66v9CefbT+tNvvPGLfSGuNBvNUF5ZxraSRxm2kmxNLvzyifxAY5PaqAGWA9TXoXhGbWPEXw98S+GbGe5vmRLeWx07zC2AJsyFEz7gnFXPC0PiC18DyW3ghJE1+LVHTVIrYKbnyQqhBjqY92/OOM9atb6+X6IHK2n9dzhPEuhyeGvEl7o80yzyWcnltIgwGOAeB+NZddx8QNPu9c+M+rWGmRfabu6vvLijVgN7EAYyeBXH31jc6ZqFxY30RhubaRopY26oynBHHuKzg7xTfUshRGkkVEGWYgAe9WtW0u60XV7rTdQQJc2shilVWDAMOvI60uj6ldaRrFtfWN1LaTwuCs0LlWUdDgj2Jru/i+/iqfxBeXGqz30+gS3jPpryzF4GUjKmPnH3fSqlpb+uwr+9Y83opyO0ciuhKspBBHY16xr91bW+g6j47t5I/tHieySyhjUjdHOwxdnHbhOv/TUUPRX/ryC+qX9f11PJaK9C1jxHrGg+AvClrouoz2MF3YTtcJA2wTHz5Fy2OvAxzWx4T0q+1yw+Ht1pFu13FpOpSC/MXJtgbhXDOOy7ec9ODVLWVvOxEp8sbnktFeonX9S8PeCdTvtCvZLOeTxTIjyQn/WJ5ZO0+q57dK5b4lWsFn8StbhtIkhiFyWWNFwq5AJwOwyTUKV7f10T/U0629fwdjl6K3/AAimmPqcw1gaQYfK+X+1pLpI92R0Nv8ANu+vHX2qx4xj0eNrT+xV0MZ3eZ/ZEt4/pjf9p6d8bffPam9BJ3djmKu6rpF3ot1Hb36KkkkEdwoDBvkkUMp49iKrW9xNaXMVxbSvDNE4eORDhkYHIIPYg16h8Rb3xVqthYahcXupXfheexsmlkE5eBpNih88437wcjrmn29RX963l/keV0V7n4yvPsmi6uthoGp33hmW02WUyXsLafCCB5cqIsWVcHGRu3ZzkmpbXxdLD4v0jws0s5W4k0pUjwDELdrUCaI5PRmZSRjBxnrU3vsT7TS9u7+63+Z4PRXtXh6HxQnhDwl/wjSP/Zhu7oamp2/ZzH5wH74Nxt27uTXnM8nhSHxZrH2m0vrrS/tMgsRYXKQ4TedpJZHyNuPSnfX+v69C77+X/B/yOborq/Bs8cM18Z7vRbfSzt+0RaxD5xkHO0Iqr5hYc8oV68kVt6PqXhd/HU+leH0ubXRtcsm06c3R4WZ/uSKCWKoJAhAZiQM80a9BOVr+R5zRXqSxx6d8RvBXg8+XKujXUK3gGGV7mWQNKPQ4+VP+AVhP4w1a/wDHunf8JBq9xcWVjqySKs0mUhUSDJA7DApx95pLr/wP8xOTSbtsr/ff/I4qivVvEOg6lovhTxxPqVq8EF/q9tJaTHBS4TzJjuQ9GGGB49a0/EuqXmo65420G+nafTLLRkuLW2cArbyKISGT+6fmbp1zUKV1f5/gmNy96y/rWx4tRWlaeH9UvtCvtZtLNpNP09kW5nDDEZc4XjOTk+grNqyty7YaRd6la31xaIrR2EH2iclgNqblXI9eWFUq9E+F+ra6mn+JNI8P6hdxXc+nmWztrecozzCSPJQZ5fYG6c4zXGa+NWXXboeIzcHU9w+0G6YtJuwPvE85xik9HbyFF3vfv+iM6nRJ5syRhlXcwXc5wBnuT2Fdn8NLmayvfEF5aSNFc2+hXUkMq/ejYbcMD2NWvFGu6mNJ8H+Jo76aLWp7W4WW/ibZLJsmZASw5J2nGepFPZpf11/yFdu/9dv8zjtZ0ttF1i5057q1vGt22mezl8yJ+M5Vu45qjXp3jTTN/wAVLPxBr0Dv4c1K6tGN6TmOeMxpvww68Bs1F45Xxyftf9ti5/4RcXIMX2bb9j8vf8nlbflxjGMc+tJXsk9/+G/zBSvsebUV7n4yvPsmi6uthoGp33hmW02WUyXsLafCCB5cqIsWVcHGRu3ZzkmvDKSd2OL5lcKK73w9D4abQbY6ivhM3ODv+33GprN1P3hCNnT+72x3ri9SEI1S6Ft5HkiZvL+zlzHtzxtL/Nt9N3OOtPrYE7kmk6Rd61eta6eivKsMkxDMF+VELsefZTVKu6+Emr39h4we00+/ltDfWlxGqJN5Yll8l/KB5xncRj3NbfhRdXXxxqH/AAnK383iL+y2/s1Lu4VLgvuGAjyhgr7d+3I+nODTej+X+f8AkS5WueVUV7U+p3y+LbVr3SNU0rVrLRdRkF5qdwslzN+5coxZY05Ug4JGffioP+EkXxjZWd3L5ssVtrukxRrcKuUYxMJiMZ4d03H16nmhatL0/F2E52V7d/yueOUV7D45TXBoPiv/AITfeYVv1/sFroqZM+adwiPXy/L69unevM7mbQW0OGO0s9QTVQR5s0l0jQt1ztQRhh26saiMuZXNDKor0S0u/DqeG4E8cS6bft9nAtYtIhxfRDb8oklXbHx3D729hWx4b1vUNL0b4eWNhctFZ6lfzxXlvgFLlDcKuHHRuCRzV7y5UZudo81jzPTNIbU7e/mW8s7YWNuZytzNsaYAgbYx/E3PSs+vS/B9zff254s8KafdTC1urS+jtdPEpCSzdFAXOC21cDvxUXgvTtU0q28R2Wm24tvGMIgFrFKFE6R5JlEQb+PGzp82M4qVK9n5X/r+tim7XT6O35HnNFereFF1YeOdQPjiO9k8RHTD/ZyXMyRTtJuGNjSKwD7d+3IJ9OcGsX4m3t1cTaVDqmialp+oQxPvuNVnSW4uULfLuKxpnb8wBIzg076pd/8Ag/5ApXdjg6K6r4iL4jHiaM+L4oI75rOEoLcIFMW3CH5OM8f5GK5WgpapMKKKKYBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAEt1/x+Tf8AXRv51FUt1/x+Tf8AXRv51FSWwLYKKKKYBRRRQAUUUUAFWv7MvP7I/tTyD9i8/wCz+dkY8zbu2469Oaq16j4J8O2/iT4XyW11M22HW2nFrEwE14Vt/wDVRZ43H+QOATxSeib/AK3JcrNf10Zxnhy6twHtD4St9fuWJkUu9zvVQMkBYZFGBgnJH41paZqt9qF9eQ+C/CESS3Ony2txBYJc3JMbkAvhnYgjgA9OeQa0fh1e2U3xIa1XRUtEvjLHGIru5jktFEb5VWWQE5wAd2fwrl/CLtH410bYzLm/gBwcZHmLTiueSXf9dCZPlTfYo22k6jeap/ZtnYXU9/uZPssULNLuXO4bAM5GDnjjFR3tjd6beSWmo2s1pcxHEkM8ZR0OM8qeRWn4sZo/HWtsjFWGo3HIOCP3jVrfFIbviZqWT1EHP/bFKmDclF9zSWkmjmZNMvYtLh1KS1kSznkaKKdlwrsvUA98ZpNQ0670m+kstRga3uY8b436rkAj9CK6f4myPF42m0mPK2Wkxx2lnEPurGqg5HuxJYnuTXXeNrTRtd8ReLLZ9JW21HTNOjvY9QjnkLSlViBV0JK4If8AhAPHei+nN0/QlS2T6nkNFer/APCK+CtIs9PstevdOje706O5mu5J7v7TG8ke5TGiRmIqCQMEknB5HSs/wL4X0y7tdM/4SWz0kQavdmK2muby5juZF3BCYljynDZwXGCeKrq0L2i5eY84AycCrOoafd6VqE1jqMDW9zC22SJ+qn0Ndomj6J4a8OS6nqWlf23LJq82nxpLcSRJCkQB3HyyCXbdxk446Gk8fafDqfxj163n1G00yM3Bbz7vfsGFHHyKxz+FTe9rf1s/1Kvr/XexwdaXh/XLnw5rlvqtikUk9vu2rMCVO5SpyAQeh9avaJpdpL4ml0yWzu9fjbMcbaOzBycjEiBkJYexA69q6my+H+k2fxE0bTLu/j1K1vBK89kXCXFvtQsElEbMFJwOjZ4OQKd116ibWqPNqK9Dg8OaL4ssfD13p1guhNfaz/ZdzHFO8sZBVGDr5hJDYYjGcdKXxXpfgy10XUU0+fToNSs51W1itJ7uSSdQ211mEsaqGA5yuOhGKG7f16f5gpJv+vNfoed1qazrN5rcdg93DGiWVollE0akBlTOMkk5b5ucY+ldprfhbRbPwD/wlVtpcqyX8MUaac0rFdPZiwM5O7eUfZ8m7j5jnOBlJtY02H4OaN53hrT7n/iY3MWZJ7kYcRRZk+WUfMc9Pu8cAc0N6Py/4b9QUrtNdf8Ah/0/rr5xRWrpmj22oWFzcT63p+nvADtt7rzd83Gfl2Iw9uSOa2fB3hyz8S281rPpuqiVX3f2pabGhgXA4lV9qgd93mL16GmNySVzn9H1WbRNVh1C1igkngO6Pz4w6q3ZsHjIPIz3FRk32taqzbZr2+vJSxCqXklkY54A5JJNdpp+gaLotn4rub+Ox8TDSDbLbyRXEqwSeY+Ccoyk4HvjI71ZgtdK8P8AxC8NXdhpubbWYLa5itprqZXsmkk2kpJGyscbSVJPRuc0RtJr7vv1JlLlv/X9bnnUkbwyvFMjRyIxVkYYKkdQR2NaFhbyWUMGs3mlpfab57QbZndY5HC5KkoytwCDwRXS6f4fs9X+Lep6dfec9pBc3kzxrITJMsQd9gY5OW24ycnnNWfEF9Yah8IbCXS9Ii0mIa5MrQxTySgnyI/my5JzjA644qVL3Ob0/F2Kfx8vr+TZz974g0a5spYbbwdpdnK64W4iubtmjPqA0xU/iDXP0V095ey6zp0w0y8eKCGBWl01l2qqrgEoRweeecH61VtLjXY5iiujtdUv08DXUaXk6ot1HEqiQ4CFXyv0PpTluLrTdE0lNIk+zvfFzLMnBd9+0KT1wBjj3qra2Dpc5qiundrvQ9GuZ7dwt+2oPBPcxjlQozhTjgEknt0qKzv7mPQ9R1WKU/b2uIomnAG5EIYkg9skAZpf1/X3jsc7RXc29ykDHUbmFJJLjR990m3HmZlCkn3K9/xrO1lZ9D0/SjYXMiYedoZ422lo2KkHI9QaGrP+u4W0ucvVrUtMvdIvWtNTtZLWdVDGORcHBGQfcEd62PF+pXtxqC2891NJCIIZBGzkruMS5OPXk/nV7UpX1P4T6XeXp33Gn6jJYQSN95oDGJAme4Vs49N1J6J+X/DfmLql3/yucfRWvdT6S3hSwht9Knh1RZpDcX7TExzp/CoXoCPb+vGRQC2NK91y5v8AQ9M0qZIlg03zfJZQdzeYwZtxzg8jjAFZtFFABRRRQAUUUUAFFFFAGnDr97b+HZ9FtvKhtbqQSXDImJJtvKqzddoPIHrWZRRQAVsaRq+m6fbPHf8Ahyx1Z2fcJbme4RlGPugRyKMd+RnmseigGrmlrGo2WoyxNp+i2mkqgIZLaWZxIfU+a7H8sVm0UUgCiiimAUUUUAFFFFABRRRQAVZ06+k0zVLW/gVGltZkmQOCVLKQRnHbiq1FCdndA0mrMs6jfS6nql1f3Cost1M8zhAQoZmJOM9uarUUUkklZD3CiiimIKKKKACnwymCeOVVRijBgrqGU4PQg8EexplFAFzVdWvdb1B73UpvNmYBeFCKqgYVVVQAqgDAAAAqnRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAS3X/H5N/10b+dRVLdf8fk3/XRv51FSWwLYKKKKYBRRRQAUUUUAFXota1CDSk02G5aO1S6F4qKACswXaHDY3A498VRrptF8L2M+gDW9f1g6XZyXRtbYR2puHmdQGY7dy4UBlyck88CmlcTaW5nS+JdXl8SDXzdlNUEglFzHGqHeP4sKACfXjnnOc1Hqevajq+qJqN7LGLpMbXggSALg5BAjVRnPOcZr0PxB4Cm8SfEjxXNarcRafp1yiuLCwa5lJYfKqRLj0JJJAH41kw6Bc+BviRpOn3UFtewaiYCq6jpqkmGRwCGilB8txgj1HY81MNeVbX2Ico2b7I5bXfE2q+JZ459Znjnljzh0t44ixPUsUUbicdTk0/V/FWsa7Y29rq10lxHbhRGxgjWQhV2jdIFDNgcfMTWm3hefxF8UdQ0LSI0h3X1wFCxnbFGjMThVGeFHAA9AKteJPh43h3TLPVZp9RTT5rv7LMb3SntZozjduWN2w6kA4O4cjBxUxacU+5bspW6oydf8QweINN06S5tWXWLWMW890rjbcxKAIyy9d4Hyk9wB3qvN4q1m41DUL2W83XGpW/2a6fykHmR/KNuMYH3F5GDxXR+P9B8M6XeW0WhXt59rksrR0tTYBUk3xKS5k80kMc527SATjPermpfB/UdN0q/lkkvvtunWxuZ1k0uRLUhQCypcE4ZgD/dAODgmqbWrfn/wSU42ivS36HLweNtft9GXSlvY5LNI2jjWe1imaJD1VHdSyDnopFO0jxx4g0OzhtdOvIxDbyGSBZ7WGfyWJyShkVihyM/Ljmr8oh8PfDizeKCJ7/xCZWknkQMYbaN9oRM9CzhiSOcKBR4H8nW1u/Cl7bxOt/HJNZz7B5lvcohZSG67WC7SvTkHqKH1f9f1+oaW20/r+vT7jM0zxlrukNdGyvV23knmzxTwRzRu/wDe2OpXdyeQM1napqd5rOqXGo6nMZ7u4ffLIQBuPrgYAq14f0vT9Vvp4dV1iLSIo7d5UmliZxI6jiPA6E+v86yqLK/9f10L01J7a9urPzPsdzNb+ahjk8qQrvU9VOOo4HHtUulare6JqcWoaXN5F1DnZJsVsZBB4II6E1TopgXl1nUI9Ji02O5ZLWG5N3GigArLtC7g2M9AO+OKv6v401zXrUQatdQ3Chw5c2kKyOw6FpAgZv8AgRNYVFArI2ZPFuty32oXct8Xl1KD7Pdbo0KyR8YXbjaANoxgDbgYxS6T4t1rRNNl0/T7qNbSZ/MaGa2imUPjG5d6na2OMjBrFopW6Dsgqf7bdfYfsX2mb7Lv8zyPMOzdjG7b0zgDn2qCimB1XhTxi3hfw/rtvagi+1AQCB2gjljARyWDq+RyDxwfwrE1LXNS1fVjqeo3kk15lSJeF27fuhQMBQMcAYAqhRR1uKy18zdv/Guv6lq1rqlzf4vrRi8VxBBHC4Y9WJRRuJx1OTTdb8X614itIrXVbmJ4IpDKscNrFCN5GCx8tVySB1OaxKKVlaw7K9zpfEnimLV/Dug6LaW7JBo8LqJpQoeRnIZvuj7oI4zk9Say5te1Ge1e3eZBHIu19kKIzj0LAAn8TWdRT7gtFZGjHrt/FppsEaD7MRyhtoyT15yVznk85zTbHWr/AE6ExWs4EZbfseNZFDeoDA4PuKoUU7vcC/b63qFtPPNFcfNcNumDorrIc5yVII/SiPWr+G7luY5lDzACQGJSjgdAUI2/pVCikMuS6tfTTXEstwWe4j8qQlRymQdo44HA6YqOe/ubm0t7aeUvDbAiFSB8oJyeetV6KAJrq7mvZxLdPvfaqZwBwoAA49gK1/EOvwajZafpelWz2ml6eh8qORwzySNgySuRwWJAHoAAKwqKNxdbnR6p4se+8E6T4ZghdLTT5XuGeVw7PK/XbhRtXrwcnk89AOcooo63BKysgooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigCW6/4/Jv+ujfzqKur8MaRpHiHV7vSr5b2O+lE8lvcwzIIk2Rs+HjKEtkrjIYdelcpS8hRegUUUUxhRRRQAUUUUAFdLo/iiyt/D/9ia/pDapYx3Jurcw3Rt5YZCoVsNtYFSFGQR261zVFAmkzt5fiKt7rWvTanpH2jTdbmSaWzjujG8LpnYySgcEAkHKkHPSuen1e3i8Rwano1pJax20kckUNxceeQykHlsLnJHoKyaKS91proHKtV3Owm8cWlv4zTxFoei/Y5pHle8gnuzPHceaCHUfKpVSGYdSeevFZOvappGoJENG0m608hi0nn6gbkN6BQUXAH4n3rFooskrDtrc6fW/FNhrenWjy6PJFrNtbw24vkvD5bLEAqnytn3toAzux3xU3iDxhp3iKK4urvRJotZuVHm3UOoMIWfjL+SVPJxyN2MnpXJUUPUSilbyOqF9p+tfD6LT7y6S11LRHke08wHbdQyMC0YI6OrZYZ4IY+lJ4RvrDw/bXuvz3SNqMUT2+n2agljJIhUyt2CqrHHctiuWooet/MLaWOl8FS+Hra8vrrxXDFdWsdnIsVszSCSSVhhCm0YyD13EAA55PFc1RRT63GFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAdl8O42PxKgnCsVtftFwSMgfJE7Ddj+EkAEdwcd65S8unvr2W5lSKN5WLFYYljQE+iqAAPYCrZ1rVLOK9sLPUryCyuJGM1tFOyxy9vmUHB49azaRMV1CiiimUFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRV3RoY7nXbCCdd8UtzGjqe4LAEVc8V2Vvp/jfWLKzjEVtb380UUYJO1Q5AHPtR28/0t/mF9/6/rYxqK2bqwto7WR0jwyjIO41c8WabZ6fpfhmWzgET3mkrPOQSd8nnSLu59lA/Cl0v/XX/ISd3b+v61OaooopjCiiigD/2Q==)

child process 하나가 실행되다가 1초가 지나면 SIGALRM을 받고 timer\_handler()함수를 실행한다.

먼저, 1초가 지났음으로 전역변수 time을 +1한다.

실행중인 프로세스의 pid를 저장한 t\_pid변수를 써서 실행중인 프로세스에 SIGSTOP을 보낸다.

프로세스의 vruntime을 갱신한다. t\_vrun에 계산해둔 nice값 배열을 이용해서 더해준다.

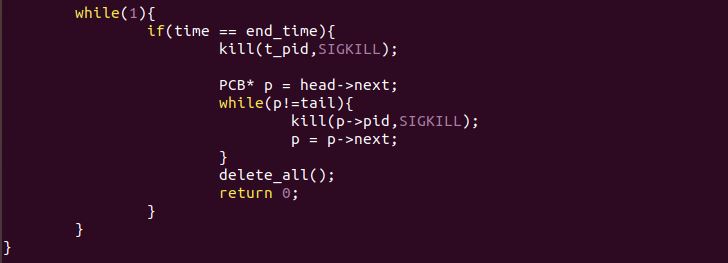
그 후 t\_pid, t\_nice, t\_vrun을 add함수를 이용해서 다시 연결리스트에 넣는다.

다음에 실행될 프로세스를 temp에 저장하기 위해서 front()로 가져온다.

다음에 실행될 프로세스의 pid, nice값, vruntime을 t\_pid, t\_nice, t\_vrun에 저장한다.

연결리스트의 첫번째 PCB의 pid에 SIGCONT 명령을 내린다.

delete()를 이용해 실행된 프로세스를 연결리스트에서 지운다.



main에서 while(1)로 무한루프를 돌면서 시간이 end\_time이 될때까지 기다린다.

end\_time이 되면 현재 실행중인 프로세스에 SIGKILL을 보낸다.

임시적으로 PCB노드를 만들어서 연결리스트에 있는 모든 PCB의 pid에 SIGKILL명령을 보낸다.

delete\_all() 함수로 연결리스트의 모든 노드를 free 한다.

return 0 으로 프로그램을 끝낸다.

B. 구현한 함수 정리

|  |  |  |
| --- | --- | --- |
| init | Functionality | 연결리스트를 초기화한다. |
| Parameters | void |
| Return Value | void |

|  |  |  |
| --- | --- | --- |
| add | Functionality | 새 PCB를 생성하고 프로세스의 pid, nice 값, vruntime을 넣은 후  연결리스트에 vruntime이 낮은 순서대로 정렬하여 넣는다. |
| Parameters | int \_pid, int \_nice, float \_vrun |
| Return Value | void |

|  |  |  |
| --- | --- | --- |
| front | Functionality | 연결리스트의 첫번째 PCB노드를 반환한다. |
| Parameters | void |
| Return Value | PCB\* pcb |

|  |  |  |
| --- | --- | --- |
| delete | Functionality | 연결리스트의 첫번째 PCB노드를 삭제한다. |
| Parameters | void |
| Return Value | void |

|  |  |  |
| --- | --- | --- |
| delete\_all | Functionality | 연결리스트의 모든 노드를 free로 반환한다. |
| Parameters | void |
| Return Value | void |

|  |  |  |
| --- | --- | --- |
| init\_timer | Functionality | 타이머를 1초단위로 울리도록 설정한다. |
| Parameters | void |
| Return Value | void |

|  |  |  |
| --- | --- | --- |
| timer\_  handler | Functionality | 현재 실행되는 프로세스를 중지하고 vruntime을 갱신하여 다시 연결리스트에 넣는다. 다음 실행될 프로세스를 실행시키고 연결리스트에서 삭제한다. 전역변수인 time을 +1해서 1초가 지남을 나타낸다. |
| Parameters | int sig |
| Return Value | void |