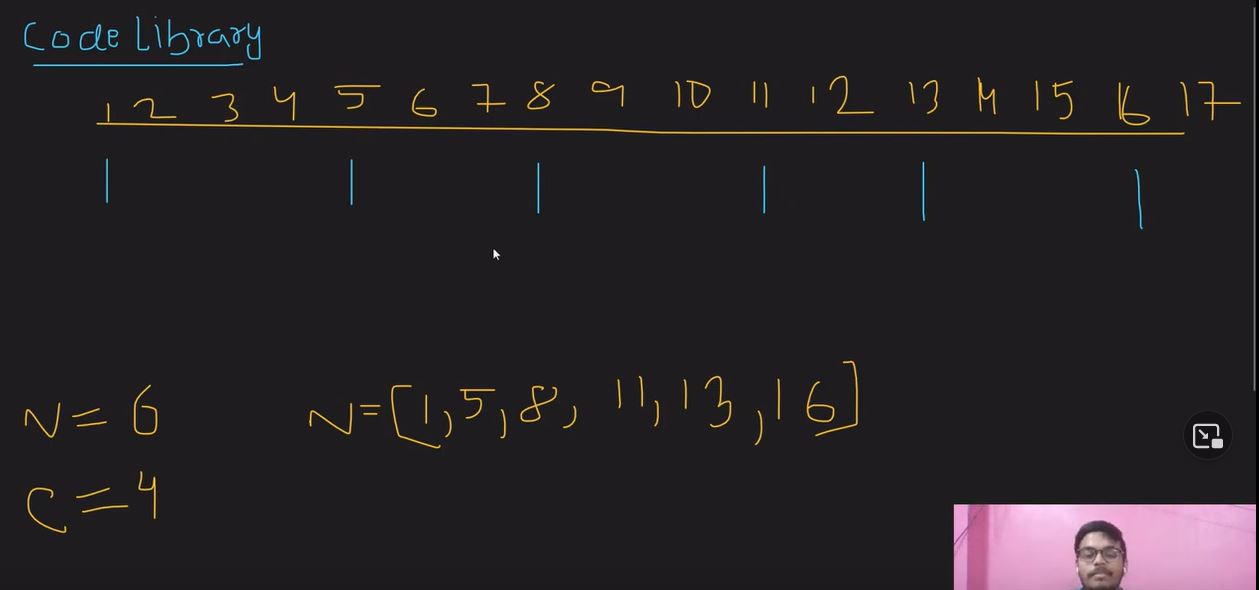
![Graphical user interface, text, application, email

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAeAB4AAD/4RDcRXhpZgAATU0AKgAAAAgABAE7AAIAAAAGAAAISodpAAQAAAABAAAIUJydAAEAAAAMAAAQyOocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGFkbWluAAAFkAMAAgAAABQAABCekAQAAgAAABQAABCykpEAAgAAAAMyMgAAkpIAAgAAAAMyMgAA6hwABwAACAwAAAiSAAAAABzqAAAACAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMjAyMjowNjowMiAwNTozMDoxOAAyMDIyOjA2OjAyIDA1OjMwOjE4AAAAYQBkAG0AaQBuAAAA/+ELGGh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8APD94cGFja2V0IGJlZ2luPSfvu78nIGlkPSdXNU0wTXBDZWhpSHpyZVN6TlRjemtjOWQnPz4NCjx4OnhtcG1ldGEgeG1sbnM6eD0iYWRvYmU6bnM6bWV0YS8iPjxyZGY6UkRGIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iLz48cmRmOkRlc2NyaXB0aW9uIHJkZjphYm91dD0idXVpZDpmYWY1YmRkNS1iYTNkLTExZGEtYWQzMS1kMzNkNzUxODJmMWIiIHhtbG5zOnhtcD0iaHR0cDovL25zLmFkb2JlLmNvbS94YXAvMS4wLyI+PHhtcDpDcmVhdGVEYXRlPjIwMjItMDYtMDJUMDU6MzA6MTguMjE1PC94bXA6Q3JlYXRlRGF0ZT48L3JkZjpEZXNjcmlwdGlvbj48cmRmOkRlc2NyaXB0aW9uIHJkZjphYm91dD0idXVpZDpmYWY1YmRkNS1iYTNkLTExZGEtYWQzMS1kMzNkNzUxODJmMWIiIHhtbG5zOmRjPSJodHRwOi8vcHVybC5vcmcvZGMvZWxlbWVudHMvMS4xLyI+PGRjOmNyZWF0b3I+PHJkZjpTZXEgeG1sbnM6cmRmPSJodHRwOi8vd3d3LnczLm9yZy8xOTk5LzAyLzIyLXJkZi1zeW50YXgtbnMjIj48cmRmOmxpPmFkbWluPC9yZGY6bGk+PC9yZGY6U2VxPg0KCQkJPC9kYzpjcmVhdG9yPjwvcmRmOkRlc2NyaXB0aW9uPjwvcmRmOlJERj48L3g6eG1wbWV0YT4NCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgPD94cGFja2V0IGVuZD0ndyc/Pv/bAEMABwUFBgUEBwYFBggHBwgKEQsKCQkKFQ8QDBEYFRoZGBUYFxseJyEbHSUdFxgiLiIlKCkrLCsaIC8zLyoyJyorKv/bAEMBBwgICgkKFAsLFCocGBwqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKv/AABEIARcCWAMBIgACEQEDEQH/xAAfAAABBQEBAQEBAQAAAAAAAAAAAQIDBAUGBwgJCgv/xAC1EAACAQMDAgQDBQUEBAAAAX0BAgMABBEFEiExQQYTUWEHInEUMoGRoQgjQrHBFVLR8CQzYnKCCQoWFxgZGiUmJygpKjQ1Njc4OTpDREVGR0hJSlNUVVZXWFlaY2RlZmdoaWpzdHV2d3h5eoOEhYaHiImKkpOUlZaXmJmaoqOkpaanqKmqsrO0tba3uLm6wsPExcbHyMnK0tPU1dbX2Nna4eLj5OXm5+jp6vHy8/T19vf4+fr/xAAfAQADAQEBAQEBAQEBAAAAAAAAAQIDBAUGBwgJCgv/xAC1EQACAQIEBAMEBwUEBAABAncAAQIDEQQFITEGEkFRB2FxEyIygQgUQpGhscEJIzNS8BVictEKFiQ04SXxFxgZGiYnKCkqNTY3ODk6Q0RFRkdISUpTVFVWV1hZWmNkZWZnaGlqc3R1dnd4eXqCg4SFhoeIiYqSk5SVlpeYmZqio6Slpqeoqaqys7S1tre4ubrCw8TFxsfIycrS09TV1tfY2dri4+Tl5ufo6ery8/T19vf4+fr/2gAMAwEAAhEDEQA/APpCiiigYUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFGaACiikz9fyoAWiikz9fyoAWiikz9fyoAWiijP1/KgAoooBz6/lQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABXleoeJNSTx7L4iju5P+Ee0y+j0aaEMfLbeP3kxHT5ZCi5+tdz4v10eG/Cd/qYXfLDFiCP8AvysdqL+LEVwlr8OfF/8Awg7+H5fEOmra3UTedE+nFn3udzEvv5O49cdqWoHYeOPEdz4f0WAaXEkuqahcx2Vmsn3RI5+83soyaz0+HUlzGsuseKvEFze9Xmgv2t0z/sxoNoHtzXM3V9f6v8OtC1treWfUfC+podRtkXLt5JMcuB3O3DV1moX3hPxtotu58QKlsH81XtdR+zsDjGGwwPfoaYEuv6rL4E8BmUTz6rex7be2e7YF55nbam4gDuefYVSg+H15qFsk/iXxTrdxfuN0n2K8a1hjPoiJ2HvmuStLG+1n4ICXT3m1K503VHu4FeUyvOsNwTtDHOTtHFdrLrfhbxx4bVf7bEMLlXcQ332aaNh1VuQykHgijuAzxLZ3Xh34U63FFq1/dTw2czx3dxL++XjIG5cdOx61g3nhT+x/AcniHT/E+uWl9b2AuhJPqLzRFggbDI+QQTxj3rPsmUfCLx7DBezXttb3N5Fbyy3JnOwKMDeScil1XwRbaJ4V0nxJZ/bdTisBDdXunXl088c0OwbyqMcblzuH0oEdFrXivWJfD/hiy0tUtdc8Rqg8x0yLVfL3yybe5A6A9zVpPhyF2THxV4lN2MEz/wBpNhj/ANc8bMe2KzvGt7Hb33hTxtZ7rrSbGR/tMkI3bIJkAEmB2BAz6Cuvh8VaBNbRzxa1p7RSAbHF0mGz0xzQBzWsXWp+JPHD+FtL1KfTLDT7aOfUbq3IE0jP9yJWP3RgEk9ara14a1Hwdo1zrnhjXNVnlsUNxNZahdtcxXMa8uvzcqcA4IPWnzXsPhH4t315rEi2+neILSBYbuT5Y0niyvls3RcqcjPWrvjrxZp0Hhe9stOuob7U9Rha1s7S3kWR5XcbQcKTwM5J6Yo6aB1K02tyDx54V1aC4mGl6/YyW5hMhKLJtEsZ29A2NwzWR4113U4PiBHf2N1LHpfhsWx1CFHIWTz32tuA4O1MNz61f8U6JJoXwr0hwd1x4aa1usqM58sgSY/4CWp/hTSU8T+B9evLpf8AkZ57iUbu0RzHF+SqDQBf8ZXdzdeJPC2iWNxLD9qvTdXBhkKEwQruIJHYkqMdDXZLwOa8r+Gd5P4m8StqV+jebomlQ6U5YY/f7iZT/wCOrXpWp2tzeaZPb2N9JYXEi4S5jRXaM+oDcH8aOgdS3WfrurQaDoN7qt0cRWcLSsM/ewOB9ScD8araBpWq6Wk41fX7jWDIQYzNbxxeVjqBsAzn3rmPiMt34h1LSfCGlTRxS3Lm+upJE3rHDCQV3L3DPgY9qGMi+HV7q9hqtxovie7lnur62TVoDKxJTzP9bEM9kbbx2BrodW8VyW2tnRtF0q41bUEhE8yRyJEkCMSF3O3GTg4A5rjfE2n+K9AvNM8Xazq9lqMOkTgTx21j5LCCUhZCTuOQBg49qm8U6unh74kpeWOsWOlDUtMV55NUQtb3GxsJswQd4DHPOMYpAb2gePZNTj1e41XR5dItdI3rdyT3KO0bqAxG1ecbTkHoapal8SNR0/SodWPhG+/sy4dFinkuoozhyAjOhyUBJHX15p+h6ZompeEdfK6wmvtq3mSajPZMuWJTGxFBO3AGADXJ6Nrdp4m8O6Xo/iPxro8dmREXtUUJcybCCsUjM20HgBsDqKfUR3uqeOI9Du9Ns9U064W81C3eSO3gZZWMilR5Qx95ju69OCTUsvjA6b4Z/tXxDpN3pszT+RDYlkmmmcnCKuw4Jb09uaz9aVJPi/4WOAwFjeMp9DhOR+Bqn8VYJkPh3UReS2FpY6kGuLyNFc2wZCqyEMCMAnkkcZoA2NN8avLrVvpevaLeaJc3oY2ZuHR0n2jJXchIDY52mo7nxtdy393B4f8ADd/rEVjMYLi4hkijQSD7yrvILEZ7VkpoMOo61o02p+P31N7W6W5tLYi2XzXAPTYATwTUmr6dY2F3qWs+FvFcOj3ZZpLy3lmSW1lkA58yMnKscYJUg0DNrVPGP9nx6bBDpF9c6rqUbSQ6cuxZECgFi7E7VAyO5606HWbrU9B1X+2dCvtKMED70klQ+apU52OhPOB14xWIG03xv4Z8P6prF2dB1qSAz2ktvciKWInhtu77yHjgg8YqPS9d1K5j8U6FqN/b6uum2W+PUrdAm/ej5jcKSu9cdvXoKT0QXLvhrxPZWll4U0qGzuorXVbDdaTTziQqyKD5bN1LbcnPtW5qfiOPT/EmkaKlu9xc6kZD8jACGNFyXbPbJA47muGmsZ5fgf4d1WwQtfaJb22owAdT5Y+dfxTcK1vCssfirxjrPiiBt1rFEmm6e/baAHkYfVmA/wCA0AWrn4gO9xdtofh/UdYsbGRo7m8tjGF3L94IGIMmO+PpXT6Tq1nrmk22pabKJrW5jEkb4xkH1HYjoRXlHgS1uovDZ09/HNxol1YyyxXOntFbDyG3scjeu4hgd2e+a9D8EaPZaF4VtrLTNROp2ytI6XO5SH3OScFeMZJ6UxMb4h8XR6NqEGmWWn3WrarcRtLHZ2gUEIDguzMQFXPGT1NEXiz7L4ZutY8Sabc6ItqSHiuGSRm6Y27CQ2ScAdc1iG8t9D+M97Jq8sdtHqmlwrZzTMFVmjZt6Bjxn5gcU74kXEGo+DheafJHfQabqNtc3a27CTEccgZwQM9Bzj2oGT/8LAns2iuNe8NanpOmTuqJfTmNlQscL5iqd0YORyenetuy8RxXfizUtBaCSKayhinVyQVmR88j0wQRzXOfEPxDo998N763sr23vZtUg8iyhgkDtO7kBdoHJ9fbFZPjG7l8EaxouvOSzvpM2mTEDO+VUDxD8XBH40CR1nhzxtZ+I9e1fTLaCWJtNk2rI5G24XcVLpjsGUiqf/CxbQ2Ms8On3U8j6nJptlBDtZruROrLyAq8HkntXJ38D/DXTfDOsOWwmnzWN82PvSuhmQn/ALagj8a3dP8ADGjp8N9C0zxBdiyuQFuYrhbgQzR3LZdmRj3+Y8UD0Ok0LXNT1K6lt9V8O3uksib1kmljkjfnGAyHr7YrdrhvDesala+NZPDd1q8Ov24sjdJeKiiaDDBQkuz5TnOQeDweK7mmIKKKKQwooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAK95p9pqCRpfW0VwkUqyosqBgrr0YZ7j1qxRRQBWtdPtLOa4ltbaKGS5k8ydo0CmV8Y3N6nA61l3Pgnwxe3Zurvw7pU05OTJJZoWP44rdooAitrWCzgWG0gjgiX7scSBVH4CsnUPBvhvVLo3Wo6Bpl1Oess1ojMfqSK26KAKK6Lpq6W+mpYWq2UilHtlhURsD1BUcVaS3iS3ECRqIQuwRhflC4xjHpipKKAKtnptnp2npY2FrDbWqAqsESBUAJyQF6Y5NZkfgrwxDf8A22Lw9paXO7d5y2aBs+ucda3aKAIbqztr62e3vYIriF/vRTIHU/UGs/S/C+h6HI0mj6PYWLt957a2VGP4gZrWooAjuIIru1kt7mJJYZVKSRuuVZTwQR3FNtbWCytIrazhjggiQJHHGu1UUdAB2FTUUCKtlp1np7XDWNpDbm5lM0xiQL5jnqzY6k+tWjRRQAmarrp9omovfpbRC7kjETzhBvKA5CluuM9qn3rs3bht9c8U6gCK5tYLy1ltruJJoJUKSRyLuV1IwQR3Fefw2c3hrxHq76l4YudYtbuVDY3FlCk3kwqgVYNjEFApB6cHNei0hAPUA/WgZ5Vf+Fdc1wa/qmmaQuh/a7SC2hsWdY5LpUl3uX2cJuXKDnODzV/Up/7W0OfSdO+Hl0l1cQNAPtltDFBESMZMmTkDr8uTxXo9JgA8AUAY+ieH4tM0vSYrtY7q9060W3W7dQX+6A2D1AOOnsK1pIkmiaOZFdHGGVhkEehFPpCwBAJAJ4GT1oAyNP8ACfh/Sbw3WmaJp1pcHnzYLVEf8wM0lz4P8OXmofbrvQtNmut24zSWiFyfUnHJrZooAzdU0DSdahSLVtLs72OP7i3ECuF+melSWWj6dp+ntY2NhbW1qwIaCGIIhB4OQKvUUAV4LK2tbFLO2t44raOPy0hRAEVcY2gentTNO0yy0ixjs9LtILO2jzthgjCIuTk4Aq3RQBk6p4X0LWrlJ9X0awvpkGFkuLZXYfiRWjb28NrbpBawxwxRjakcahVUegA6VLRQIp6lpVhq9obbVbK3vYCcmO4iDr+RpNM0nT9IszaaVY21lb5J8q3iCKT64FXaKBmVZeF9B06/a/sNG0+2u2zmeG2RX568gZq1qGl2OqwxxanZwXaRyLKizxhwrryGAPcetW6KAKuo6XY6xZ/ZdUs4LyDcH8qeMOu4HIOD3Bpmo6Rp2r2n2bVLC2vIAciO4iDqPoD0q7RQBQ0vRdM0SAw6Rp1rYxscsttCIwT7461foooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooADQKDQKACuRmlv7nxV5amdYVnAP7uPbtRc9d2erj/ACK66kCqDkAZ+lVGViJJs4e01CaDw9CkFylyGspGkiMYIhKkY4x74wetaraleQzPdSXLNEmovbeSIxjy8fmTxn9K6EQp82EUbuvA5pSqj+Edc9O/rTc12BRZyMWtXtzMYra8+WV7co7bHZBIxBHAwDgdOcGtA32oQ6oNMRjPKreeHYAb4QvQnGAd/Gfet1Yo1HyRqoznhQKhiso4r2W63O8soC5c52qOij0GeafMuwuVmNeane22oR+awXcihbWF1Zg5B4YYyQeOR09O9VLTW7w2TS3V1GwmWNR5cqF4pGODn5cKvb5snNdUYkLhyi7wMbsc4+tJ5MeHzGuH+98o+b6+tLmXYOV33Ob0vUdR1CeGM3PyJHK7bVUmUpLtUZx0I6kDmohNLqC6RIdS3zy3IZ1VFzbkxvlQO3pzzxXVhQCCAAfpQI0ViwRQSckgdTRzIfLpqUdFuJrnTibl98kcskRfGN21yoOB3wK0KQKF+6AB7ClqXuUtEFFFFIYnelpO9LQAUUUUAFHeijvQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUVSstYsNSkaOxuVmZRk7QcYzjrjHWgC7RRn/OKCcf/AKqACiio554raB5rh1jjQZZmOABQBJRTWdVQsT8oGScdqZb3EdzbxzwtujlUMhwRkGgCWimu4SNnbhVBJPtTbeeO5t454W3RyqHRsdQRkH8qAJKKTNRG6iW6S2LfvnRpFXHVQQCfzIoAmooqqNRtTP5Rk2vsLkMpHG7bnn3oAtUUUUAFFFGcUAFFRS3UMM0MUj7XmJEY/vEDJ/QVJmgBaKTNRTXUME0EUr7ZJ2Kxrj7xAyf0FAE1FGaTPrQAtFFBOBmgAoqJbmNnKbsMGKgMMbiBnj169qS2uoru1juLdt8UqhkbHUUATUVV/tOy2XLfaYsWjbZzu/1RxnB9ODT57y3tSguJkjL52hjjOBk/pQBPRVezv7W/Vms50mCHDbT0OM1PkBsd6AFoqOeeO2t5J53EcUal3duAoAyTTFvrZ2gVJ0Y3Cl4QD98AAkj14IoET0UE460UDCiqo1OyJuQLqI/ZeJ/nH7vjPPpxUT61pyWYumvIhCz+WGz/ABenrnHNAF+iq9xf2traC5nnRIWxtcng56Y9c1C+s6dGsLPewhZ13Rnf94Zxn6ZoAvUVTbVrBbmSBruISxAl03cjAyfyHNWkdZI1eNgyMAVYHIIPegB1FIHUsyhgWXkjPIqtdajbWZP2iTbiNpD8pOFUgE/mwoAtUUgYHpVHUNa07S3Rb+6jgMnChs8849KAL9FVrS/tr7f9lk8zy22sQDwcA/yIqzQAUU0yIq7mYBc4yT3ziiRxHGzvwqgseO1ADqKq2uoW96zrbSbyiozAA8Bhlf0rzfU/iTrFlrF3apBZbIZmRd8bZIB7/NXVh8LUxLap9Dnr4mnQSc+p6jmivJj8T9b4/wBHseTgfum5/wDHqE+J2uSbRHb6exZgoGxhkn/gVdn9j4vsvvOX+08P5/ces0teTzfEzXbed4Z7WxSSNirLg8EdvvUw/FHWwDi3seOvyn/4qhZPi99PvD+08P5/cet5pM15L/wtDXthf7LZbVIBbY2AfT71IvxS1plyILDGMk+Wx/8AZqf9j4vsvvD+08P5/cet0ua8pl+JGvwqjSW1iodQy/I3IPQ/e9jTU+JXiGWOWSK0sWSEAu2xuMnA/i9an+yMVbp94v7Toef3HrGaM15GPijrne3sPf5G/wDiqB8UtbPS3sD/ANs2/wDiqr+x8X2X3h/aeH8/uPXM0ZryNvilra53W9gMesbf/FUn/C09a4/0ew5OB+7bn/x6j+x8X2X3h/amH8/uPXc0ZryU/E/XVUMbaxCsSATG2Djr/FTf+Fpa2TgQafn/AHG/+Kpf2Pi/L7x/2nQ8/uPXM0ZryV/ifr0MhjmttPVx1AVj/wCzU6b4leIba4EFxZ2KSnBCeW2SCMjjd6EUf2RivL7w/tPD+f3HrGaM15TF8R/EM8jRxWdkXVWdgY2GAoyT97sKRviXrkTbZYNPDeyNj/0Kj+yMVe2n3h/aVB9/uPVsijIryVvilrC/egsB/wAAb/4qgfFHWSP9RYf98N/8VT/sfFrWy+8X9qYfbX7j1uivPfDfjnVtV8S2unXsFrGkpbdsjYMMIW7t7CvQq4K+HqYeXJU3O2jWjWjzRCiiiuc2ErkoLHUrLwtBFMJbreQsttJEreSu4kkKuC2OOCa6HV55bXRby4tztlihd0OM4IHHFeTSeOPE8YHmTMA3AJgGDXdhMFUxSbg1p3OTEYuGHaUludrpOkXbyQnUbeYJDbSCNHbAV/NYpwCRkLjHoDTYtCnFjtNvIWbSvnUyE5uR90nn7w7GuFv/ABv4qjspmiupo5UiaQYtxngehHSrNj4r8WyW8TC/aYlQ8n7hdygkDngevbNdM8prQjdyRhHMaTdrM7GLTtROpSy3X2r7Q2545UiyGTysBGYHgbs/LjOeauXtsmmeA3gfMc8tuofzGJZ5SAMEnqxNbsV7A8EUkrLEZCQqysASc445p7yWrzJE7QvIrblQkFgR3AryD0VqrnN/YLsamp+zXH2n7WzSXOco1uQcLnOOmBt7HmqQ0G7ttEt4rW2lWaSw2XGxzuMgdCOc9cF+a7NLiCZX8qaNwnD7XB2/X0qK91K0sLR7q6mVYo03kj5jg9MAcnNAzOtLFrObVYbeJo7dwGgUH5dxT5sfj+tY8WkXOm2UCWti7rJp0cdzGSW3OGUMSM8sF3cd+ldfDIk9uksRyjqGU47EZ/rT8DpQBxK2F5HYoRZzSNHPL9ntXhPlshKkZAP7s9cHPHINaev2Xnataz3Gnz3cC2k0ZEJztdmTaMD6HntjNbV3qFtZWUt1NIPKiRnbZ8xIXrgDrSQ6lazyW6wyB/tERmiI5DKMc5/EUAcy9vq0NtNbSwXEs9x9kIkU5UFQokyc8Hg/WornR765s50msnmzA+Efndi6Lgf984IFdJc63ZQMysZJXWUxbIoy5Zgu5sAdcDr6VdguIbm1S4gcNFIoZWHQigDG1pGbTbW3t7FpbRzh1EJZoxj5RsyD1456VE1jeXOgaLb3KSF0kh+1LvwcBSGBweRnGfWtsXVsyhluIipOAd4xkVKZEUbXZR8pbBPb1oA4q60q+3NDLDcLYRyXCQrFF5pjJYFGC5BAA3YPY0+ax1yC5nmto7iVbNvOgDPg3BkADgj2+Y+mTxXYRTCYyAKQEbbkkENwDkYPTnvTPtNsrsvnxBl+8N4GM+tAGPfaZepaaZFYnMttHKnmlujmFlB5/wBqsxtKnljRbWyube2LWwuIixDO6yZc9eRt6n+L3rrJ7y3trN7qaVRBGpZnHIwPpUSapaPpA1PzCtqY/N3spBx9OufbrQByGp2dwlx/Z8MLGATTmOJgGVIiiYZcsvRt2OeOeK0r2CO603QprO1mubGFxI6IDu8vyiAcdTyRx3q/danpV3ChurZ5pVl8tbd7ctKGxuxtxnpz6YqY69pwaFVZmR0Rt6xkpGGOF3H+HJ45oA5u7sdUk06K3WzlDqGe1YLveLMmVUtn5MJjnnrjtV2XRZbgNLLDM0r6oS53kFoN+QOv3cY4rcv9XtNPmWO4Lliu9tiFvLTONzY6DPem/wBu2P2toGkZdrFfNZCIywG4qG6ZABP4GgCtoqvYTT2DxSIhnleAdVWLK4GewyTgfWsa+sdZgurqWyimcWbubVQ4xP533j1/gyPyrpbHVbbUSwg8xWVQ+2WMoSp6MAeoOOtV08R6a6yyeY6pGhdXaMgSrnblP73OBx6j1oAw4dFlg1K0e6s5LiC1vJAjnLlQYY1VwM5xuB+lWNC0e4006SVt3iJtJFuznOX+UqD9OcenStQ+ILJYQ22cyM5jMAhYyqQMnK9eAQfxFXLTUba9dktpN5VEk6YyrjKsPUHB/I0Acvq2k34g1S50+3aSeeV43iBA86JsYI91OT9CRWrqM5tfEEE8sLzL9jmWONRku+VbaB6kCt2kKhiCwBIORkdDQBi+H2eZrm5ube4huZypcTRFAoAwFXPXHc01dEulW4SWSG5klAxdSlw55ztIUjj/AHSB7VuBQvQYpaAMdtNng8O3lquySWRH2BN2CSOB8zE9vWqFnpt7Z+IrKNIidPjikdHBH7lmVcxkdcZGR6cjtXTYpAMZoYjKl0q6/tV7oyR3SPnasxZTBkY+UDg/ofepdK0yXT2kMzxNvAH7vzO3+8zVpUUDObvdLnJ1jyLXKym3kjQAAS7DuYfXjvUKxXLa8Na+w3HkeYwMJT94B5QUNt68nj1xjtXVYppXIx2oA5a1iubXT9MiktZZX02VWuI1XONyNgL/AHtu4dKrx6dfW8N5/wAS+R/7SgdI0GD5JMjsFb0GHB/OuyFLQBykFnc2jQ21xA4S0u5LqW7bGxoyjDr1yd3I9jQLSWXwZp0UkMxaNUYRCIyKRg4VlBBIwR06V1RAIIIyPejAI5FAHGfYLqOa7uJNJXzrq0twxVPMCADEiDnJI4wM81HHpOotp0kf2WVcwXaRpgKArSIyDGTtyASB2wa7jApMUAc5bLLYa/dzQWM88Lbi7tCVkUlhhVYnDr+GRjrWlq9vLcLZ+QhfZeROwHZQ3JrSAx0pMUAcxJpFwupXl3DA4uH1GJ0kDHmLCBsdsYzSeH9Pu7fUi93563KI4mPkYjmJbIJfJ3e2OnQ11GKWgRxd5pEsi38Sae88Zk81nkj2u5EobaDnD/LuwQBjGKLi1vbnWI3i06SBA8iZERUGExELuYnnJI+XHB612lJtUEYA/KgZxP8AZN0kTedbzZCW2xBEZEdlh2kOoI4B754PNcNayLFrmoyXci2VwCSsXm7VLbvmXfg9B+de4Yrm7nwJoN3dSXE1qxllYu58w4JPXivRwOKp0FONS/vdjz8ZhpV3Fx6HAXGr2Ed3BHFOr2v22R5tsfWMlSO3TOTis7WLuOa7tSHhkVJMtLHJvJG7PPyjAA6V6Z/wr3w70+wgf8CNL/wr3w8P+XL/AMfNelDMMLB3944pYGvJWdjhX1W0kmkaK5hW286d7mMrkzA5CY454xj0qITwtewOmpQx2kcAMdvvAKuEHDHacc55Oa9APw+8Ot1sf/HzTR8O/DuObRz/ANtTUrHYVa+9+Anga700OJuNStWeeOO+jMTSWzyYI/eAKfMAOOT0+tJcalbPcvtubbeUmW2uN+7yicbc/KABgHGc4NdyPh94c/58WP1lb/Gg/D7w72sSPpK3+NZrGYS1ve/At4PEPsebXlxbXWv2LT3iMkcMayTRfdDgHvjHXvjvV+TUdOEZEs8UjNFCHKvv3bZtzAnAz8vtXc/8K88O/wDPm/8A3+b/ABo/4V54c/58ifrIa1lj8LJJe9p6ERwNeLb0OE/tK3h3tNe2004acwvGuQoK/Ip49ccdqsWF5FNbJceZF57Jbo8obbvkUsWQnae23PHPrXZ/8K78NjpYn/v63+NPi8CaJb5+zRTQ7uvlzsM1EsbhWrLm/ApYPELseYWD+Rqt+13OtrcqxAXzMKTu5G/BwAO3fpUqXltH4lvZreSAW8pYK7P5eAccqcHBzntXop+Hnh9jk2zk9yZTSf8ACuvDw6Wjf9/DWzzLCu7fNqrGUcvrrscU2sW8LW//ABMI54bd7jIlVfnJ+4duOc1VtL2CTRZmu79JJZoJTJFIwX94eFATH0Oc4rv/APhXfh/vat/38NKfh34fbObZ8enmGsvruE5bLm/Av6liG76HIxtHJ57aY0W+4nkWAbgomBiVeflPRgeMiqh1qH+0JFe6UwxRW/lkAZEilA5BxnON1d/F4G0aGExQrcJGxyyLOwB/I1D/AMK78Phs/ZWP1c1EcZhbvmuW8HXtbQ82juY01/UJri5jkWWGcLJu3Biynb/hWg+s2cM0f2WaJUe+QyEIMeV5ahu3TINd3/wr/wAPbcfYuP8AfNB+H/h49bH2++a3lmGEk7tS/AzjgcRHaxwF3f2Mmj+TbfZ5F8orIjvtIfcTuC45PTBzUGn3FnDocu+6QSSQS7omYAiTouFxk9BzmvRf+Fe+HP8Anx/8iNS/8K98O5yLLB/66N/jU/2hhVHlXNvccsFiL30OP0O4S9+KFpcxyiWNg3ltnp+6P5V6vWFp/g7R9L1CK8s7bZNFna24nGQR/Imt2vKxteFaopU9kkj0sHSnSp2nvcKKKK4jsKGt/wDIv6h/17Sf+gmvMrrWbTT9WuPPvHut1zEyxlTi3wvJGevXtXrMsSTwvFKodHBVlPQiso+FNDP/ADC7X/v2K7sJiKdFNVE36HDiqFSq04NfM8nfU4X01bN9VDuySJPPNC7l1Zs7QQ24EAZBzjmn2eqWotYbIagybbfyDMEYZIlDAkA55UY/GvVf+EU0LvpVp/36FKPCuhggjS7QY/6ZCu6WPw7VlF/gcscFWT1aMOPw9fRWBhazguXltGt1LOALdt7nd06HcDxzlauJ4emjLS+TE1w2prcGUkBmjChSc+4B4rpguKMV4mvU9gwtB0+6sIrmJ7YR22xRDE7I0nAOVLKBkdME89c1X0zQ7yzsdRhliiL3UJ8plf8A1WQQIB/srng+5rpqO9AjLtpLu0t4bSOyMjQ28IZ/MCqTkKwB7kAFvyFSSXl7GuTpzPkkAJMCfvhV7dCp3H0xir+KMUhnKS6Bftc6jMkUIF4kixR78fZzkcj/AH8ZbHQ496uWmjXNl4lEsQQ6aIZDGM8xO7KWQD+6SCw9Mkelb4FL0pgcraWd9b3XnwWxnmtLu6Dxu2zzFlIdXBPHp+vpWhBobN4ct9PuJ3R4xuZojwWyTgj+JecYPWtqikBhy6A88cAme03QrsG2yjIIzkYDZx9BxTfEOk3Op/ZltUQGEM7SM2N44/c8fwv0PoK3etGKAMvT7CVF1ITqYBdzl08t/mVTEi9R0IIP5VXXw8UsntPNhaLeHV3tUdyenzbuGP8Atda3KKAKtpZ/ZNNFspQ7QcFY1jGT7LwKxvsF9/wjlvo4t/3y24cylv3YdHBCE++PwrpKKAOZ/s/U/wC1/wC2vsa+aXx9k84btnl7c7umc849KrReH9St7OayEcci3yxGWUSYELBiW46kYPGK6+iiwHOXcGpXvnXFvY7TfWhtmSWQK0OGbDH1BDZwOelV5PD97Lb/ANl7EFsk7zrdF+SCpwu3rncee2BXVYpaAOetYNQjvIprmx2loI7LbHIGwBuLSE9h0wOtUm0TU5rW0haGKM6ZCEhYyDFwwdCPoMJ37n2rrqKAOZSw1OLVm1lbNWlkdlNqZgCqlFAO7pnK8+xHpRpNld2GoxRpF5otrOG2mfdtBYsWYjI52j/0KumooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKTFFAC0UUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRWHD4lhnstPmVY/MvJRGYxKCY/vc+p+7QBuUVmWGtQXjQxIWlkeNXdooX2LuGRkkcZHrTZtUu5NSmtNMs45zbhTM80xjUFhkKMKSTjnsKANWiqM+oPHqCWcEHnStC8zZfaABwBnHc8U3TtRlup7u3u4EhltWUOY5N6Hcu7qQOR3GPT1oA0KKoLrNo4d4jJJEmMzRxMyE5xgED5vwpbjV7eDSZtQIkaKJSSPLKsT0wAcdTQBeoqnYzahLuOoWkNuNoK+XP5h9wflGMe2aYusWj+YYjJLFGPmljjZkznGAR1P0zQBfoqhNqka6Tc30CNIIEdtjqY9xUZxyP1qiPEoktLeSC0ZpZYZWeFnw0bxgFozx17fl60AbtBqhJrFrFp9vdkyMtyAYUjjLu+RuwFHJ4BP4VG+v2KT+U7Sg5Cs3kttViMhCcYDdOOvIFAGnRWWPEWmknFwTi3S4wI2+45wp6dST061YsdTt9RVmtRK0Y6SNEyq/OPlJ4PTtQBcpKw28UWn22JUbFq0UsrzvGygqmOVPRhk9varB8RWCp87TJIZViETQOJNzAlRtxnkA4PtQBq0Viz+JIobX7XHa3E1qFUF0jO8SGTZsKEZBB61JqertYyW2FVUmimkZpFbKbE3dBz9R1oA1hRWNbeIbd7meG5dUZJCEKg8oI1cu390Dd1PtVuy1e1v/MFuz7o1DlHjKsVPRgD1BwcGgC9RXOQ+LoJmtH+zXKQXNtJMAYGMg2lR90dsMTn2q6dftVd/3vnKzIIVghdmfcm/p34547UAa1FZWo6yNPm08GJ2S7kZCBGxcYjLDCjnORinvrtklpFdFpTBIeZBCxVOdp3cfLg8c0AaVFZT+I9OTzSZJSsU3kMwgcjzN23YDjk59KLnW4xoV1qFmC7W4YNHKpQqwxlWB5HWgDVorOudbtLOUx3XmxkIXDGFirYXcQDjkgZOB6GibXbGGbyfMeWX5dqQxs5bcCwxjr8oz7CgDRorNGvae1vLOs5aOKD7Q5CHhMkfnlSMdeKksdUiv7m7hjimQ2svlM0kZVWOAeD360AXqKy5fENhbic3LTQ+TtLCSBgSGbaCBjkZ44oHiCxZVwZvNMph8nyG8wMBk/JjOMEHPTBoA1KKwY/ETN4astVeNcXEsasqgnAZ9vA659qtN4hsBCH3y7yzIYvJbzFKjLZXGRgEH8RQBqUVm/2/YGQhJmeNY/NeZI2aNF27gWYcDjmmDxFp5iLu8seGRdkkDqx3nCEAjOCRwaANWisuHxFp8sir5kibiyFpIWVVdQSyEkYDAAnB9KnsNWtdRZ1tnbcqq+10KEq33WAPUHB5oAu0VmPr1lFJKkpmjeLb8jwsGfc20bRj5stxxUMninT0tmmIusJ5hZPszl1CHDMVxkAHjNAGzRWV/wAJFp4M2XlAgwJCYWAVjjC5x947hgdacviCxkkjjjaRpX3ZiWFi67SA25QMjBI6+tAGnRWVLrtu0DyWzNhJFTzHgfY2XC4UgfMc8cd6c3iDTUhilNxlZozIgCMSRuC4xjruIGOpNAGnRWZNrlrHotzqKCWRLYN5kaod6leqlexofXrKKVElMyMQm/dC2Itxwu84wuT60AaeaKy/+Ei0z5c3BBa3e4GUb7iHDHp1z260s2u2Nszi5aWFViabc8LBWUAEkHHOAe1AGnRWLe+JrS2sXmRZjIIXmVDA/CjOGbjhSe/erVhq0V9J5SrJ5iqPMIjOxW2gld3TPPSgDQoqh/bVl/aH2PzG8zeY87DtLgZKbum7HOKi/wCEgsVjkLmZHjdU8poGEjFs7QFxk5wenoaANSisMeJoU1GeC5jliijWFg5hf5RID9/j5eRjmr1/q1rp7Kk7SF2UvtjiZyFHViB0A9aAL1FYF34pgiExhjkZIJ4I2lMZKOshXlSOpw3A71b/AOEhsRBvzNv3tGYfJbzAVGW+XGeAQfxFAGpRVC21qyvLz7PaSNM2xXLJGxVVZdykt0GR0pra7YrdNAZHBVmj3+U2wuBkoGxgtgHigDRorJh8S6ZNA0wmdYxEJlZ4WXzEJwCuR83JA49R60sniGxhCGfzoiy72WSBgYlzjc4I+UZ7mgDVoqjf6vbafLHFP5rSSKzokUTSEhcZOAO2RTRrmntbSTpPuijSN2dVJG1/ukeuaANCis231mO7s7ueKOWIWryIxmiIBKZBI9Rx2qKLxHYtIsLyOXzGsjrC/lqzqCoLYwM7hjPrQBr0VjW/iazuLRJvKukMkjokRgYu+04JAHUD1q/9vhfT1vIC08LKGUwoXLA+gHNAFqiqP9sWf9lrqAlPkMQoOw7i27bt29c7uMetRJrkL6ilmLe7V2g8/LW7AAZIwe4PFAGnRWFd+I1RU+yRkv5jpJHMjIyEQtIOD67R+BrUtriW40uK4RF82SFXCkkLkrnGfSgCzRWFZa9ctHcy6nb29vDBO1sPJlaV3kBAAC7BnOeO9allfQX8JltyxCsUZXUqyMOoIPINAFmiiigArCg8LW0FpYxp5YltJRIZhCoZ+ueev8X6Vu1gDxbbCzF1NaXUUMkDTxMyjMiqQGAAPB5zg9RQAtt4ca3ubBxcoFs0VQ6RbZJAARtLZxtOc4x+NWZtLuY9SkvNNvFg+0BRPHLF5gYqMBhyMHHHpVefxXa2lysF3DJDLhTIjugaMM2FyN3OeuBnAp03iixgtUmlWVQUd2UgAoVcR7TzjJY4HamIkvdPu21n7VZSrEZbN7cyMu7ymzuVtvfqeKl0jTp7C0aC5mhnUnOUiKlifvFsk7iTVOLxVBcMkVpazXE7GRTHEyMFKBSctu29GGMHmrGm67/aeoPDBauLcW8U6zsw53gkDb1HQ0hkq6JZIjxojpA4GYFkYICDnIAPH4U6fR7WbSJtOAeOGZSMqxJUnnIJzyDzWU/iO7eaARWEig6hJaFNysZQqvyOfl5UZzUk3jLT4I42kV0Yqzyo7KrRBWKHOTydwPC56UAadhBfRKy6hdxXXAClIPL+pPJyT7YqNdDsoxIkSNHDIMNAjssfXOQoPB+mKdeaoLeeCCC3lupp1LqkWBhRjLEkgAciqcviWCLe5tblrfMixzqoKysgJZRzn+FsZ4ODQIuyaVANJubG3zEk6MpOS2Cwxnk1n3mgMNQbUrGQ+d9meMwEDbJIVCq+exwMH1AHpT38U2Ky3EapNIYWiHyJnfvGfl9cDrVqy1YX2mSXkNuwQAtGPMU+YMZ6gnHpz0oGQHQ3TTtNjtrhY7jT1AjkZN6tlNrAjI4OfX0praDK85V7sG2knS5liEXLSLgnDZ4UlQcYJ96qaP4jle1i/tCGYyvbi8mfagSGNt2OQefun1NWv+EmhRR59pcxOwjaOMqpaRZGCqRg+pGQelAirD4Pjia3P2xm8m6Mx/dj5485WL6AhefatDTdHexvLi4kmQ+cADHDF5aE5J3EZPzHOMjH0qO38RRz3EcT2lxDunNszPtwkoGdpwecjuOKim197PVr6KeCSS1txATJGoxGHyCTk5POOnQUxkX/AAiryQRW09+Wt7eB4IFWIBlU4KknPJG0dgDVhNBle/ivry8ElykyOSkWxSqqwCgZPdySanfXrZIkkMcuHmmhHA4MYbcfp8hx+FUz4kkleIR6dcRwzWslysrlQVVQvO3P+10pAWZND36PdWS3GGmna4WQpnaxfeOO4yKdqmjnVFi82cI6QyxkqnBMibScZ7darw+JIjtU29y0aGFJrjaoVWkVSvGc/wAQzjpmprDxBHqGorbQ20wVo2kWViuCFbaeM5Bz60AVl8KQrcXEonIa7Hl3BCY8yIxhNn4Ebge2TVvRtH/spXDG3YlVUPDb+WWA/vcnP6Coo/FFjLqzWEe5nDvErBl+Z0GWXGcj6kY4psXiiCeMiK3lkuPOEKwRujFmKlvvA7cYBzk8YoALDw89kIFN0JFt7WS1TEWCUYqQTz1G38aiHhgpYPbrPDJvWJT58G4DZHsyMEEHvkHilTxFLDqN4l5aTLbwyQoXAXEO9F+8c8/Me3Tir1/rKWMzRLbT3DRxedN5QH7tMkZOSM9DwOeDQBHPo8zQ6d5F6wnsDuWWVN/mnYV+bkeueKzZ/BxmjEZvgwZCJDJDuIcybyyc4UknHfgCpLjxLOS5trN/LjvoYFcEN5yvg8DIxwR1qWfxdZ20Y8+KRJ90ivA7orLsxu5LYPUYwec0xFgaEPs6xGf7t+bzOz/aLbf1606bRRLYalbeeR9ukaQtt+5kKMe/3afY61FqN5JFaQytHGAWnIAT5lDLjnJyG9OKpa7rE1jqdpaxXNrapNFI5kuI2fJUqAAAf9r9KQxj+HvL1M6jNL9oWKSSURLBmRw6Fdm4nkAHgDHvTNL8P3Nvp9rP53kX8cryjzV8wBWG0RsARnCBRweoq7BrJXTbi7ukysF08B8odhJsDc/maIvEdpPK8cSSs6XDwYwBnahYsOfu4HWgRSm8KyG0mgttQMZubZre4d4QxbLMxZeQAcseOeK1bXT3tbi+YT/urt/N2hMMjFQp+b0+UHpVGHxVBOFSC1mlnecwCONkb5tm/O4NjGO/amp4pjefixn+zpatcSSZXKFXKFdueSCp6UDIbfwl5WTJdqW2RJuSDBbZIH3MSSSxxyauTaJJ/ar6ja3YjnaXeA8W5QpjVCp5H90HPrT5taMfh6fVFtWby0LrF5qHePUMCRj/AApsniGKHPnWk4WFUa5cbSIN3TPPPHJxnANMBqaC0fh+105L1hJbSJIs5jByVfd9336VBN4WM8v2uaeGW8Z3ZzLb7oyGUDaFzkY2jBznrmtHVtXi0a3WedC0fJYh1XAHX7xGfoKryeJbdDekQStFZjMjqVznj+HOQDnqeOtIBn/CPELcwLcotneJieFYcENs25Q5+UcA4welIfD889wtze3qyzq8OGSHYNkbFsYyeSTyfyp0mvpDtmmSRFNuZBEux93zqgIcHHVh7Y5pkfigSy+QmnXT3BkljWNWQ5MYBY7s4x8wx60APm8NR3ELxTTsY3vJLlgFxkOpBX9etS6Rov8AZkMkZaAlkWNZIYPLbAGAScnJ/Ie1F1ryppNnfWdtJcrdyRIiZCkbzjJz6VVsvEbCSUajBJHF9rmgSfChBsyQDznop5x1FAGdd+F7i1s2MUguXkSOCQxwYfasm8yHLfO+cZ5HqPSq8+lajNHbrJY7YoVkEOy1Q7yxHEibsL69TnvXSaR4htNZeRLfKsqLKAXVso2cH5ScdOh5FMXxDG9us6WVwYppBHanC/6Qxz0GeBwTk445oAiPh/7ZpNxDeOqy3M63RAXKxSALxj+IZX8jTZPDjS20MW+zi2SFy8FpsZCSOUO7Knjqc/Till8W2cFvPJNb3KvboWki2gtkMFKjnk5IP0Oakk8TWwvltLeGSeRm2qQyqrfKrHBYjJw4469aAIW8NPLczTSXgQyOjbYoyA22QOC2SctxjIx1NJJ4ThkF6Hn3edKskAeMFYNr79uP4gWJJ+tXr7WDY6rBatbM0MkEk8k4YARKhXOR1P3u1O0/WEv5hE1vNbu0QnjEoHzxnjIwTj3B5GRQFiMaIjaBc6axhj+0K4ZreHYo3DrtJOfxPNQT6DPcNLvvVRLsJ9rVIcbivdCT8uQADnPtVWPxLeXE1i0enSgXE08fkhlZn2Dhs5wBkHrUz+MtNQwZ3gSIsj7mVTEGYqMgnJOQeBnpTAjm8HxytM32xwZLwTj5B8seSWi+hy3PvTZvCJnmmaS9B3pMgbyfnIk/vNnnb0GMDFa15qyWuo29ksLyyzgsMMqgAEDuRk89BziqUfiRv7KlvrixaJEneIAzRjcFYjOSQP4elICXUdEmu5JWtbsW5uLX7LNmLflRnBXkYI3H1HNFtobW+rR3nnooij2bYoirSjaBhznDYxkcZqkPEMz6mnlnNo8kZA2fMUa3eT88qP5VsaVqS6rZi5jiaONvuEurbhjP8JOPTHrQIzX8MJ9tuZYJYo1uGeTf5GZo3ZcEq+ePUcZ61Fb+FXt3aeO7ijuA8Tp5dvtRSgYcjOTuDHPOau3HiGGC6vIvs8rCyjaSZgVBAC7uFJyQR3xjNPutet7WZojDNJLsiZEQDLmQkKo56/KevFAyKfQXube/Wa6HmX0cSuyx4ClO4Ge/pU2oaVLcXf2qzuRbzNC0EhaPeChOcjkYIJOO3PIqj/wkc9tqF4LyymFvBFA7bQpMO/cDuOeeQOnarmq6tNZXkNrDbM5mgml83cMR7AOoPXqKBFZfDQiZo4bnbbl7eQKyZYNFt756EKO3WkvPDC3N5JdrLGZmmaRVmh3oFZFUqRkf3Qc5p2meIWuLCNrq1mjnNkl0N+xRIuBkjnC89j60WviYXt7aQWtm7rMZVkfzUIjMe3PQkMPmHIoAu6fpa6fNPIjKRMIxsRAqptTbwKpSaA7ysn2zFp573KxeV8wkbP8AFnlcsTjGffFR6vr9zavqMVtat/oaQOJuG373xtC9c4yB71NceJba1DLcwyRXAmEIhkZFySu4HcTtxt96BjZvDiywWqfamVra1WBHCZ+ZWRlfH1Tp70248PPd3aXlzLay3DRiKbzLXcjKGJG0buDyRySDVoa9avpdrfwrJLHdyLHEqgZ3MSADzjqKrjxLG8bZtbmAESp5jKp2yxqSy4zzwDz0OKAH6lZX0+u2U1hIsKx20yNI0YdQWKYGMj0J/Cqz+FWjtGtLW+8uCSGGOTfFuYmM5BByAM9+PpVmLxHF5gT7NcMiNDHLcbVCq0iqV4zn+IZx0zUCeJ4YrXc8Vxc+XC1xLIsartjEjITjPbb0HUCmIuw6U8VpqFsZ1MV08rp+7wyeZknJzzyeOlV4/D4SzmgFyT5skEm4p08pUGMe+z9ami16J7oW01tPDK0yRhWAPDqzK3B6EKfcGoZPE1updYrW4lMayyOFC8JG+xjyfXnHekMbFoM9p5bWl6iSQSS+UXg3DZIdzKwzyQQCCMdKkl0Af2NaWNvPgW8gc+am5ZuuQ6gjIJYnGeoFWbHVo72WVPJkgaONJh5gHzxtnDDBPoeDyKyLrxNIXjkigmt7R7WadZXjVvMClArAZ/2icHHBFFwNG10U2nh4aZHLFLgsd0sAKHLlsFAenOOD2qovheVIQkWouha2e3dlQ5UF942c5AGcYOePzqS78TLBBfyQWUs32NtjDeqlm3BcYzkdcgkc1Zm1yK11C1tLmFo3uSqrmRCQxzgYzk9OoGKAKEXhMKXZrpELyFysMGxVzC0WAMn+9nk1s2FpLZwCF5xLGiIkY8vaVCqAcnvkjPtWZD4rtZLVbmW1uoIpYDPCXUZlAIBAAPByw4PXNLeeKbfT/LW+t5IJmRpXieSPKIDjd97B+gyeDQBK2hZtplS42ytem8icpkI2ehHcYyPxq3ptg1kkzSy+dNcSmWVwu0ZIAwB2AAHercbrLGrocqwBB9QadQAUUUUAFczYeEwdHgttSuZ3eO3MKqHBEW4gttOOegGT0FdMa5Kz8UT2WhW11q1uzCW1aVJFk3NIykcMMcZzkYzQBt3GkLLqX22G4lt5HCrKECkSBScZyDg84yO1Qv4bspHvmYy5vWVmw3+rKncCnp8w3fWqS+Ir6e4tYbazhLPPJFIWdwrbY942EqCfQ5HUUJ4wjkbEdm53QI6HfjdKxAMX1G4c0CNS30hYriCee5lnlhWRVZgqgh8Z4AA7U3T9Ei0yZHtppcC3SBlbBDhM7SfcZNZaeM4mhnnNo5gVGeNk3EnDhQGyuFJJBGCeKlh8R3NxJDbwWKvcSzPEGMrLF8qB9wJUEjnHTg0DL0ehwx3izCaUqty10kZIwrsCG7ZwdxOKiHhuCOVZbW5ngky25l2nerOX2kEHoScHrzUia0svh+LUgscRkAASaTADZxjIBzznoDmqEXiie5iQ2mnrI/kSzPun2qPLfaQOMnPbge+KYGte6aLu5huY7ia2nhBUSRY5U4ypBBBHANQRaBbx3SuZZngjkeWK2YjYjtnJ6ZPU8E8ZNQ23iJbqSGGO3PmzTKqqX6RmPzPM/Lt68VHJr1zbatdxXNvCLOC4ih85ZDuUOmdzAjGM4H40hD7XwnY2n2ExSz7rIPsYsCXLd245I7VbsdHisvtTGV5ZbrHmyMFXOBgcAAZwevU1lReMBLao/wBhdZWDZiLjKkuqxgn/AGt6n2Ga0YtZKWuoNfQeVLp4JmWN94YbdwKnjqPXHNADrbQ7S3jMfzyI1oloyueqLu/U7jUKeHIFKtNdXE7RmIRs7D5EjYMq8D1Ayepqhqet6ibM2y26Wt1L5DoyzZHlySBTzt4YdOhHORmr+oX15ZX1nZwLG8cltNJJLJId6lAvTjn73egZYGi24k375M/bPtnX+PbjH0xRc6Lb3X23e8g+2LGJMHps6YrFs/FFxaaLbSarakyyWUc6Msm4yElVw2BwSWB4zwasJ4mnmZIYbFWnYS8tIyxnYFOQSuSDux06g0AWW8NQPOXa6uPKEksqQ5G1GkVg/bJ+8SPTNTTaHDItsqzSx+RbtbfKR88bAAg5HsDn2qPS9bbULmKN7XyUuLZbqE+ZuJQkAhh2PI6Zqpb+IH32kZiASeRx51zNgHEhXapC4LYGcHHGOtAF0eH7ZbOaBZJMSNE+SRwYgoX/ANAGfxqhoGk6jp+oM837uN97XALowlcnIK4UMADn7xPBxV3WtdXSNnyxScb3QyEPtzjIAB/XA4p+n6u97qdzayRJCYWICM58wgHG7bjG09QQTQAyTw7A/wBqjFxOlrdB/MgXbjL9SDjI55xnGaavhqJC0ovLj7UZEkWcbQUKqVGBjGCpwRjmqLeIpNP0xp52jndZ7glHch/LSQj5QFOeBjnA96szeI5UW7kWzUQW9wLYSvNgFjj5iADhRu5PWgC3JoUM0F1HNNM5umjeRsjJKBQD077RmnX+jR30zSi4mt2ki8mXyiP3keSdpyOOpwRzyayX8WyxW8Jlsl891klMayOQY0baCp2ZJbqAQB71p6rrP9n2MU8aRl5FLiOZyjEAZOAATmgBB4ftlnLRySJH50U4iGNqugAGO+CAAR7U2Xw5C1w9xBczwTtJI/mLtPDhdy4IIx8oP1ptprxu9Ujt/ISGOSJZEMshDuCgbKjGGAzg854PFJca9LDeXSizBtrSaOKaXzcN84HIXHONwzz9KALR0ySITm0upI5LiZJZZGAJwoUEDjAyF/U1PJZK1+l6pPmxwvEq5+UhiDz+Kisk+JJRGs/9ns8NwkjWojk3PIU5wVxxkAkYz055pB4lfyrVhHalZmIM3nt5SkEDbnbkNz0YDp1oEW7PSGOi3NnqDKWu3leXyjwhkYnCk+metV28Iaey7S8//Hl9j+/1Gc7+n3uOtVV1i/OrsLSMzxJFdFo5ZQozHMFyDj0yAO3c96QeKTG0so+dbmaJbZJSVCAwCQ52gn17Hk0DNK18PwwXi3TXE0swm88lsAFvL2dAMAY7UReH47aZZbW6nhcJIhIwchnL9x2ZjirlheHUdMiuRFJAZUztccqen+fUVzUPia8Sa0e5ZBbW8Rjv/l5875gCD2/1ZOP9oUAbcOg20emXdm7u63jM0zABcsQASABgdB+NRyeHo5s+bdzssqotyoKgXG3oW4444OMZFZWna5qkJuH1CITxxvbCVt4QxmRFJCqBzgsM5NWL/wAUSwNex2kVvK8MLyRN5rFTsZVIb5evzdienOKANDVNAg1WYySTzwloGgfyiPmRjk9QcHPcUSaCsl8Lo3k6yxoUgIVMxAgA845HHQ8U6+vZrWKxaWNjLJNsaOB8gnYxxkjkfL7Uyw1iS+0i5uljhEsSkiJZSdp252vkAqfwoAo3nhdY9OkWwZnlkUpICyoGV3DPjAwpOOOMexzVjRtIngkSe9LKbcuttEWQ7EYDIO0AdRkYHHvVKPXNV3wXD28Tg6WLuWJZtqj5s8EjOSM8dPerUPimO51ZbaC3Z4jKsJYbtwYoGzjGNoyATnPtQBdOhwf2Nb6fHLKi2xRopQQWVkOQfQ0h0C1eFIpGkdVuXuSCR8zOGBB9vmNVZ9WltNS1JWkjKxmBYY5XKrllOcYBJ6Zxg9KjtvFEl4iyW2ns0a2gupT5nIG512qMcnKcdKANPTNM/s2IxC6lnjChEWUL8ijgDIAzxxk+lV18PRpbi3ju7hYonD2y5X/R2GfunHI5Iwc8cVmr4vkFu0ktpFtkljigeOVmVmZSxyduQFA5wDzVm38SSXNxaR/ZFt/PH3rh2QO2SMJ8vPTPOMgjFAFhfDVoJ7WeSSaSW3leZmYj987jB3cdOmAOmBUX/CK2y6UmnJczi2Ds0gbaxky2eSRwR0BHQUWmu3P/AAiP9sXttH5mzeIoXOCM4HJHBpDr11FdPFPYoohniimZZ84EhG0rxzjPI49s0CNC80mG8uYJnd18qN4mUHIkjfG5Tn/dHPWmWGjx2M/nGead1iEMZlI+SMHOBgDPuTycCsmLxJOLPMFm04itWupXlnAO0OylRgcn5SRwBU0evyvdNBaW7TPLPKqebKFVQsaP2HAO7pzzQBdtdCgtLqKVJpWWCSWSJGIwnmfeHuM8j61FB4bhtJIns7qeFkUK+Np8xQxYA5HbcRkdjVVfFLiBJ5bHZHNCs0Q83LEeYqMG44I3A8ZzVi412RNUaxt7QSSmfyUZpdq58vfk8dO1Ay3qekpqnlpPPIsKsGaNQuGIIIOSMg5HUVTfwzCzApd3EYWSV0C7TsEv31GQepOQeopdN1976e2Elp5Md3E7xHzNxBQ4YEfyP8qrX2tXj3MBtoTFaC+a3aUSDc+xW3fLjgZGAevFAF2Dw5a28sTxSzBoShQ7gcbIjEO3o2frS2OiPY3nnx3jsZXL3AKKPOO3aucDAx1z1J61Rt/EUpjgjWFQXs1mRrmUhpSY93GFw2Dweh68Ukniea00iyu7yG2Mk0KzSxRTNkK2Pujb798DjrQI0L7QINSvDNezSSIEZViwo27lKnDAbsYPTOM1EPDUbb3mvrqWciIJMSoMflklSABjPJznrmoj4jeOd3uLMJaJcyWplEuW3Ipbdtx0+U9802bxJPb2lrLc2kUT3pzbqZmIC7dxLlVODjsAetAF1tBilhu0uLiaR7yNI5ZDgE7c4IwOOtTahpUd/PBM0skTwrInyY+ZHADA5+g/Ks62vr6+1GwntXmSGdPMntpoQFiTBH3uu4t09u1b9AGPceG7W4ghjMsq+RbpBGwIP3WVlJBGCcqPai38Ow2tzDcR3VwZo5ZJWZip3+ZjcCMcD5R06Vr0vWmBlXehw3l1NK00sYuEjWVFIw2xtynkZB6j8aLvQYLm7kulmliuGkWRZEwdhCbOhBBBB5BrVxRSGUpNNSe3tY55pJDbSpKHOAWZemcDFV38PWskJjMkuDNLNkEdZFZWH0wxrVooAy10G3WGSISSFZJIZDyMgx7cf+gDP41EPDNotvNCJJis1s1sxLDhS7Nn65Y1s0UAZV1oMM9wbhZ5YZ90TI6EHaYwwBwRg5DnOaZB4atYEkXzrhzJDLCzOwJIkfex6dc9K1zS0AUrfTIbe4aZSxLW6W5DHjaucfj81Zx8KWzxeVJd3TxJA9vFGWGI0YqSBxz90AE9q3qKAMe68OQX1zPNd3E0jSxtGmAqmNSQcZAycEDGc4po8NxfbluZLu4dvPS4ZflAeRV25PGcY7ZxW1RQBjN4as3sra1Z5iltbtbod2Dg7TnPqCoIp76GzyRznULgXSqUafamXQnO0jGOD0PXrWtRQAgGPeloooAKKKKAA1kweGdMgiMQhd4vKMSxySs6op5IUE/LkgdPStaigDOXRbYRwhpLp2hl82OSS5dnU4xjcTnBHGOlNTw9pkZiK22DFdNdp87cSN1PX36dOnpWnRQBmJoFjGk0QWUwTAgwNO5jXJydq5wvPPHTtUsGk28EkMm6eWSBmaN5p2kI3DB5J9KvUUAUH0WyfT4rMI6xQvviKSMrI2Schgc9zTbfQ7C1GIYmH7t4yTIxJV23N1PUnnNaNFAGTZaKttrDXrLGojt1tbdEJJEYOcsT3PA+g61Ld6FYXxuvtCOy3iBJ0EjKr4xg4B4PA5HNaNAoAz30HTnmuZWt/nukRJTuPIT7uPQj1HoPSpLbS7W1t5oVRpFnJMzSuXaXIx8xPJ44+lXKKAM2HQLCFCuySTJQ7pJmZgEO5ACTwAecVYu9Ot72aGWYPvhDBWRyvDDBBx1BwOPYVaooAz30OwkgjieDKRwfZ0G88ICCB16gqDnrxSxaRaxPG5M8rxq6q807OQGxu5J9hV+igCpb6ZaWjwtbxlTBALeP5icICDj9BzUB0GxZI4ysvkoxbyvPbYx3b+Vzg/Mc81pUUAZ19odjqMzSXKSEugjkCSsgkUEkBgDzgk/nUsOl28N+14DK8xDBTLKzhAxBIUE8A4HT0q5RQBkz+G9NuFKvFIAyurhJnXersWYHB5GSTjtmm6loguLJobPCB7gTyxu7ASn03DlegPHpWxRQBi2vh9Rbp9smnM6MxR4biRTGjEHy9+dzLx3/AEq3faRa6gYzciUNGrIGjmZCVbG5SQeQcDj2q/SGgCgmi2kc8EqiX/RwBFG0zFEIXaCFJwDjIz71WXw9C+rXd5dFpPOnjlWNZGC/IoA3LnDYIz+VbNFMVjNXQbFJXkjWVWYMFAmYCLdyxQZ+Qn1FMPh2xaExN57I7FpQbh/3pOPv8/N0A5rVopDMubw7p07bjHKjfvAWjmdCQ7bnHB6E9qfJoVg8ZVYmiO5XVopGRkKrsG0g8fLxxWjQaAK1vZR2zFkaZiUVCZJmfIGeeT155PU1Vl8P6bNbXlvJbAxXsvnTruPzvxz14+6OB/WtOigRSk0q0l+0b4iftLpJL8xGWTG0+33R0qsvhrTR5gMUhV0eMI0zFVVyCwUZwoJAPHpWtRQMqtp8EkMEcvmSfZyGRmkYtkAjJbqTgmm2ml21mswjDyGfHmvNIZGcAYAJPPSrlFAGdDodlBCY1SQr5BtvnlZiIz/Dknp6elLFo1rBdrcW5niIxlEncIxA2gsucE4A5PoK0KKAM+40azubhp5EkWYur+ZHKyMCoKjBB44JB9c1E2gW8GnzQ6bm2lktvs6yFi+1csR1Pqzc9ea1aKAMCx8O7YpI7wlIvkMMMNzI3lMufnV2wQSDjjHHrV86LbO0Jle5lEJUqslw7KSpyCQTyQecn0FaFFAFBNHs49NksAjm1ck+WZGOOc4HPAz2FPk0q0meZ5IyWmeN3+c8lMbfywKuGgUAZ8eiWEUckaRELJCYGG9uUJJI6+rHmli0WxguFmiiYSIzMp3k4LKFPf0UVfooAzm0DTntkgMJ2JCYVG9uFJB6565AOeoxSW+hWVrOJ40kaYSeaZJJmZi23bk5PPy8VpUUAUoNJtLb7OYYyPswdYvnJwGOW+tQvoFg92bgxybjKZtglYIHIILbc4yQTWnRQBmroNirQZWVkt1URxNMxRcLtB25xnHeoD4W0xohEyTmMRiIr9ofDIDlVPPIGeM9K2aKAKX9kWZUAxEgXBucFif3hyCf1PHSoB4fslgWFTchY2BiP2l90OBjCHOVGOMDjFalFAFeCzjgkDo0rMIxHl5WbIBJ7nrz16mrFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRTAKM0VwGmarqFho2nW2lJA81/rF5AWuM7UHmStu46429O9IDv6K4q48T61punatDcx2dzqGnT2yI6Bo45VmKgZBJKkZPr2qW41/WtHuL611X7HcS/wBnT31rNboyAGPqjqSc9Rgg+tAHYUVzj69diLw2VSLdqjqs2QflzCX4/EflUXgi41a702a41e9hug11OiBIShXbM69cnI44HYUAdRRRRQAUCigUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFIaWigAooooAKKKKACg0UUAFFFFABRRijFMAooxRikAUUUUAFFFFABRRRQAGgUGgUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABWNB4Ysbf7Hsec/Y7uW7jy45eTfuB45HznA+lbNFAHJ+KvDK3el6k1nHNPcahNaeaivj5Y5F5XpjC5PXtWhaeFbOC5uLi8uLvUpp4DbF7yQMViPVFAAAB7nqe5rcpoZWYgMCR1APSiwjnrLwZaWl1YTvf6jc/wBnMTaR3E4ZYRtK7QAoyMHHOT71f0rQ4dHnuWtLm5ME8jSi2kcNHEzMWYrxkZJJ5J61qYoxQMKKKKACgUiurqGRgwPQg5pRQAUUUwzRiYRGRRIRuCbhkj1xQA+iiigAFFAooAKKKKACiikDqxIVgSpwQD0oAWiiigAoozR9KACijNFABRRRQAUUUwTRtI0ayKXTBZQwyM+ooAfRTWljVtrOoPHBI78CnUAFFFFABRRRQAUUUUAFFFFABRRRQAGgUGigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKwdHnuZrS/voJXvJJLmQR28koVYwrbQvT5eBmt6oopIpGlWFlJR9sgXs2AcH3wRQBkavPfv4U1CR0axuViYp5Eu8gDuDgVkedcW93qt9Y37yLF9kI+VWEwKgEscc5B7Yx1rrXuIUgMjSp5YO0tnjOcY/PipFVVXCqAPTFAHNaTqWo3WvSJPcQKgkmV7VpRvRVOEKptz0wSSSCDSi91EXzztdu0Y1UWiweWNvlEDrxnOec5rpNq79+0bsY3Y5pqSRyFxGyMUbDhSDtPv6GgDjn8R3raTbmC7DXQ095JwEBKSh41GR2PLcVdkutQtr65X7dJIlpe28aqyL86yFdwbjtuOMYxjvW7cX+nWUmy7ura3d/m2yyKpPvzVhSkih02srYIYcg+hzQBwmn6peWGixDTbk3c3k3LPalBiHazFWwBkc8c9av21/qVxJawR6nE8M9zs86F1lcL5RYgnaADkAjjpXWqqgkhQCepA60CNF+6gHOeB3oAw9Zvpbe+gglvzp9sYHf7RtUl5BjC8jHTJx3qv4dE11rl5e3u4Tva2paNlGIyUJIHGRz2z3rpGVW4ZQecjIpR1zjn6UAcPHqWoW+n20S6g5MlzcLPNcSqphZSdiFipAz1wRzjFWjqOomcRXWoLJJNbERrYOrBH8okkqRu5IyGHHQYFdYYkIYFFIY5Ybev1pQiB9wUBsYyBzigDnUvpoPBdncQXryF1hWW6YhzEG2h29Mjnr079Kqajrj20sEWn6hJOYTFukkkTE4eTBwAuXwMjjAHFdaFVVKqoA9AKQRxjGEUbRgfL0FAjj7vXL+1N5Gl350vmrmaORDDDEZNpPCkowGAQcjqeafJqt/Bb2s1zqMUkIdxttJ0aWRd4CnlQHIBwQMdjzXWqiLu2oBu5bA60CGMBMRrhPu/KPl+npQBj+IrrzPDVxPY3bRhGXM0DcqA4Dc+3Oay0kuLW/1C7tbtyg1C3j2bVKyqwRSScc8N1HTFdXFBFBCIYo1SMDAUDioxcWwWba8e23/1uP4MDPP4c0Acemt6zJZ3M32uCObYd8O8O8D+aFGI9owADg5Jzwa6LSprhdS1CyuJ3uFt2jKPIAGwy5I4AB5FaaCN/wB4gU7wDuA6jtT+Bk45PtQBxrTXMvgWe/XU7kyXEolLq4zCpl5UccAL19KkTU9Tk12SFL63ijjmCIk8y/vItmd4XbliTyCGxxiusCIFKqoAPUAdaTy0DAhFyowDt6CgDjYtSuJxZrPqc6tHfRrPNFKjRMGicjawA+UkDg8jIFbV/euviCG1mvjZW/lCRCAo899+CuSD0GOBzzWwIowmzy12nnG3iklaJWjErICzYQMRy2O2e/WgZyC67eXVxc/ZL5YY5bdpU+0yL+6IkC4OFwhIJGDu5wabLreoS/Z0tLsW6eUxSW8lRfNlEhUgsFIdQMfdxkHNdivkvvQbGOfnUYOCfUUpRCqjYML0GOlIGYOn3858RT2t3dmcsHaNYGVo0Ax8rDG5WGe5IP6Vm20ktpeXHmXkltDc6nOs10yqCgUfKoYjgE+vpgda7DCR7pMBc8s2MfnUYmtpbPz98bW7Lv3kjaR1znpimI4wXE97cRT3HzyMbP59mN4F0wVsdsgA/jU51jUvKDw3hkunjmkuLXYP9GMZyBjGRkDbz1zmutguLa7j821linTON8bBhke4qQKoJIUZbqcdaBnGxa7ql3NshuVhW6Vr63lljAWO32kANx67Tnr8/tW1oGqJcW4hmuXkn8x0HmOr7yoBOxlADKMjnr2NbG1em0YxjGO1JGqqMIoUDoAOlAD6KKKACiiigAooooAKKKKAA0Cg0CgAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAQgMpB5B61laRoFvpF3czwuztcHJDdF56D0GMce1axIAyeBVS01KzvpZY7WeOR4m2sFYHsDn3HI5oA523unj0aWyt1uY7xb7cVEEi/KbgZIbGMFSe/SkWPVYkiubaS7e7luLqMrKzFAoD+WCp4ABC4Pv15rpVvoHtjPE5ljD7CYwW5DYPA9DVjH1oA53ws1ywmae5lkHlpuiljlBWT+I5k9fQcDFOs7OGxbV08q4t4GvY2TyFYMxKJyMckE5yfrmug/OoLu9gsIRLdSbFJCjgkk+gAGaAM/XrXz5NNYQeYVv4yxCZwuG5PoKw72bWbS6uWt0u5ItOkYoqqx+0LN90D18vI+ldfbXEN3bRz20iyRSDcjqcgioF1SyeCaZbqMxwzGCRgfuOCBtPvkj86BHOwrqFveRQyyXsl+l1Gg5YxNb4XcT/D03EnruxVzVJJofEUDo086sFUQL5iCLrl8gbGHqG9OK6Auo3bmA2jLc9Kgs7y21K0FxZzLPA+QHQ5U4OD/KgDjtOv7sabb3NuNRui1hm8EhfBclQrKcdeWPy/wj1qW3ku9qpfPfJpoupQGiE277iFBk/PsyX59faustTawf6DalV+zRr+6B+4pyF/kfyqWKQTQpIocK4yAylSPqD0oGcvatqbeIpA1w0biaQxxyRylJIdvyDP3B2OfvZyKfePqEWtQkl7i5ZFUQxGVY4WwfmH8LL0yG5GOK6j86jWdWaTO5RG20lhgH6E9etAHEJcX8WleZPd3asZbVLiNElEgcyASEFx3BIIXjAyKnubm7FlLDbx3rWrzyG0mczblAQYXC/McsTt3ccfSuou57B7y3sbuSMzyN5sMTN8xKc5A9qufnQI5KF9RW0vb67W9mkjihVIdzoBuiXzGwBkkEknGSMHHNVreO6kurGW4W6aKG9nSFiZgMNENmc/MVLZGW+ldtTXkWPG9gu4gDJxk+lAHEWr6ubKZ57m683agvIkil3r+8G9kJGAQuRhO3I6VoWCSR6T4hexF0N7O1s0gbef3QxtJ5PPTvXTyyCGJ5GDEKCSFBJP0A605TkZ556UAcmseo+ZPdtLfGWK8tliTc23yyIxJ8vQg5bJ7EdsVnrHe2mn28EZuYYVmuBclvPJD7z5fK5O3HIxwT1rvKB+NAHENcXLavGtzfTP5MkQE4EqRu/l/6sgfKMtgndyM4osv7VmtQr3t0szyW6XEaxyh1Yyje2WGANuQQvGOa6ibTLCOd76S3LSKfNIUsQWA+9sBwW464zV9W3qGGQCM8gigDl5w1prjQmS8ngMZU7Gl3W6CM8jja/Tr97JHWreuaeNTt9LgHnbPODCXB3xERttf2IOOvetxJEkTdG4dT0KnIpTQBzeizX0f9t3N3ZSC6RxlFUgTMkQ5QnqGwMemcdqzrVtQuGMaPeRwSXFqSUMowCX8wbnGey5xgfSu1o+maBnGyC6ikktrx9QFlG1ykDR+YzM3y+WCRyRgtjPB75q1Lbyr4U0P7RbSyw27QvdweWS20Ieq98NtJHt7V0qurMwVsshwwB6HGcH8DVa61W0s5/IuJCr7FfG0nhnCD9SKBD7Ca2ubcyWalYyxzmIx5PrggH8atVB9sh+3fZN377y/M24/hzjP51PQAUUhIUEscAdSajS4SSUImWygcMFO0g+/SgZLRRRQAUUyWVYVDMGOWC/KpPU+1PoAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKNBBjPB6VQ07RrPS5p5bRCr3Db5CTnccnn26/oKv0UDOTiS8/smXTVsbtJhe+aJNuEKeeG4bP92kTRb2KKKa1iaG+e4ut0xbkIwk2Z/wBnOwgdq6zAz0FKaAOIg0eVdNbzob4OrRboTaq0ZdQcsyhv3me5yM8Gt24u7+z8PWvk6e32tlRGjgXetuccnGckD079K2gKMZ60CMfTZPsOmwW9vYXzIqA7pFUMSz4ORnr1Y+1YtzouoRQPNaQMxuL1hcw7h8yefuSUe4HB9VPsK7HFKaBmTbaVPFrN7dT3kk0FwEAicJggAgg4Ucc8c/XNQ6ZZtbWdrHdWTs63kzptxiIFnIY89MHH41uUUAYbSTWfia6drO6kiuYYUSWFNyqQWznnjqKx00O8fTZnmtpDdR6fbpbkvysq7i23nhunNdnt5zgUYoA5bTdNu4/Ejz3huRJ50r+Ysa7JI2ztUvnOAMfLjgip7rSL6+g1SJJ5bYy3ayRHK4dQqeoOBwemOa6IDFGKAMm7sZDq+lTIDN5Lv50zABsFCBnAHf2qHUrVn1+3nubOS8tljCxbPmEUm/JYjPpjn2xW4B196WgDiTpN+bKSOO0mjvBaTx3c+/H2mRh8hBzyc8g9ulTX2gmK4Ai0/wA2zjktJmiA3ZZWcSMAerYK59a7DAoxQI4e5sNWuLy6kSweCRra5ify0CqxIAjG7OXPGc8Yq++jz/aprxYJPtP9pRukgb5hDhQ2OeBjdxXUEelLQM53w9b3NlHdolmwRVBikmj8uSVueH5Oe3z8ZzWPFpWo3TuZLKWCOZrYzRooiG4SEycBiTgHG49RXc49AKMD0oQjBGn3EOi63aW8LIHaX7LGp7GNcbfQbt1U10acSPdG3Y3P2+BkctkiHEYfHPAxvyO9dUR6Up7UAcEuiXMel2VuLKaGCBZkmhhgV8yE/LIBkbuM4YdKckQfXFkm82URXKxQXUqKz+d5QTDfNnaG5wFxnnNd3gegqD7Dai6+0i3i8/8A567Bu/OgDjLTQrxrVIpI7sSeZbrdDaI1fDZd9wOXPv6GtzxDYBtNt4rW3kfySfKhSESRn5SAHXI49CDwea3QMUpGetMZx32C5tl1AroyCW7mheUrGJF8vYgYDkbiGU8H681Bb6Pqf2dFe0kG1FUBiOALsOBwccJziu3xS4pAc5ren3lzfyyWsTshtAh2ttL/AL4MyA+pUEfjVJtOlMhlbTZzpH2gsLAD5v8AV43bM9N2fl/Guv8ArS4HpxQI424sNQvdYJGnmFMyxMQgCtEYSqbnzluccY4/Wmw6VeLZRRwWMsUMdlbxywD5N5WUmVRz1I7967PHNLjigZyMGivdapbmaxkj0zzpnS3kOAimNAMrngFgxC9vatXw+80emLZXkU3nW0Y3mTkclsKD3IUD8xWxjjiloA4620vU41/ewTfNcQPAPM3eRAJM+UfcdSe+cdq7AD+dGKWgAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKDRRQAlGaKKYC0UUUAFFFFIAooooAKKKKYBRRRQAUUUUgCiiigAooopgFFFFIAooooAKKKKACiiigAooooAKKKKYBRRRSAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiimAUUUUgCiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKYH//Z)Graphical user interface, text, application

Description automatically generated

Problem statement:



N=6 and c=4 and numbering from 1 to 17 and here also marked the location of stalls.

Here we can do linear search and can put min num as 1 distance and then check as what min distance is.

Here the n array might not be sorted and hence sort it.

Here we will use binary search and make sure all 4 cows are taken.

Here lower bound and upper bound are 1 and 17.

Here mid=low + high/2 =9.

If for 9 we can maintain distance, then for all 8 7 we can put the cow there but if for 9 can’t maintain we can just put distance lower.

Here for 1st instance is 9 hence start from 1.

Here 5-1=4>=9 not hence this not.

Here 9 dist does not work and hence and high=mid-1.

Now new mid=1+8/2=4 check for this.

4 is possible ans and hence low=mid+1

New mid is 5+8/2 is 6 6 does not work.

High mid-1=5, new mid=4+5/2=4 4 work.

Low=mid+1=5, new mid=5+5/2,5 now work and high=mid-1=4 5<=5 not hence only logical Ans is 4.