**Physical Design - OpenLANE**

**Flow Diagram: ASIC design flow [OpenLANE]:**

Diagram

Description automatically generated

**Different steps involved in flow-**

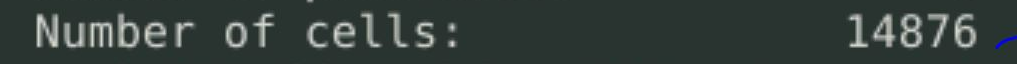
**(1) Design Preparation step-**

Command: prep -design <design\_name>

**(2) Synthesis** – Synthesis is the process of transforming your RTL into a gate-level netlist, given all the specified constraints and optimization settings.

Command: run\_synthesis

Calculating flop ratio-





Flops ratio = (1613/14876) \*100 = 10.8%

Text

Description automatically generated

**(3) Floor planning** – In floorplanning, we define the size and shape of your chip or block, place the IO pins/pads, macros and blockage in the core or chip area to effectively find the routing space between them.

Also, we reserve the place for standard cells at the floor planning stage.

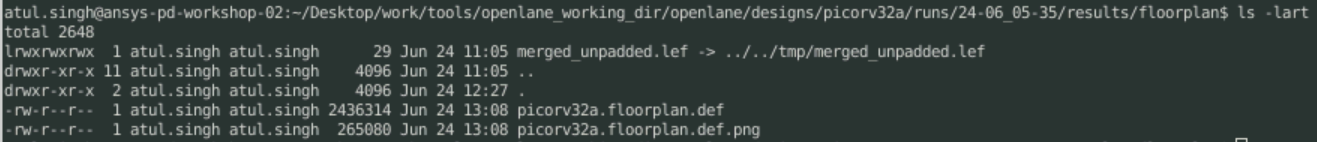
Floor planning control parameters like aspect ratio and core utilization are defined as follows:

Aspect Ratio= Height/Width

Utilization factor = Area occupied by netlist / total area of the core

**Command:** run\_floorplan

Floorplan DEF-



![Diagram, box and whisker chart

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAkACQAAD/4Sq6RXhpZgAATU0AKgAAAAgACAALAAIAAAAmAAAIegESAAMAAAABAAEAAAExAAIAAAAmAAAIoAEyAAIAAAAUAAAIxgE7AAIAAAALAAAI2odpAAQAAAABAAAI5pydAAEAAAAWAAARauocAAcAAAgMAAAAbgAAEYAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFdpbmRvd3MgUGhvdG8gRWRpdG9yIDEwLjAuMTAwMTEuMTYzODQAV2luZG93cyBQaG90byBFZGl0b3IgMTAuMC4xMDAxMS4xNjM4NAAyMDIyOjA2OjI0IDE0OjU5OjQwAEF0dWwgU2luZ2gAAAAGkAMAAgAAABQAABFAkAQAAgAAABQAABFUkpEAAgAAAAMwNgAAkpIAAgAAAAMwNgAAoAEAAwAAAAEAAQAA6hwABwAACAwAAAk0AAAAABzqAAAACAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAMjAyMjowNjowOSAxMTozNDoxOQAyMDIyOjA2OjA5IDExOjM0OjE5AAAAQQB0AHUAbAAgAFMAaQBuAGcAaAAAAAAGAQMAAwAAAAEABgAAARoABQAAAAEAABHOARsABQAAAAEAABHWASgAAwAAAAEAAgAAAgEABAAAAAEAABHeAgIABAAAAAEAABjTAAAAAAAAAGAAAAABAAAAYAAAAAH/2P/bAEMACAYGBwYFCAcHBwkJCAoMFA0MCwsMGRITDxQdGh8eHRocHCAkLicgIiwjHBwoNyksMDE0NDQfJzk9ODI8LjM0Mv/bAEMBCQkJDAsMGA0NGDIhHCEyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMv/AABEIAGMBAAMBIQACEQEDEQH/xAAfAAABBQEBAQEBAQAAAAAAAAAAAQIDBAUGBwgJCgv/xAC1EAACAQMDAgQDBQUEBAAAAX0BAgMABBEFEiExQQYTUWEHInEUMoGRoQgjQrHBFVLR8CQzYnKCCQoWFxgZGiUmJygpKjQ1Njc4OTpDREVGR0hJSlNUVVZXWFlaY2RlZmdoaWpzdHV2d3h5eoOEhYaHiImKkpOUlZaXmJmaoqOkpaanqKmqsrO0tba3uLm6wsPExcbHyMnK0tPU1dbX2Nna4eLj5OXm5+jp6vHy8/T19vf4+fr/xAAfAQADAQEBAQEBAQEBAAAAAAAAAQIDBAUGBwgJCgv/xAC1EQACAQIEBAMEBwUEBAABAncAAQIDEQQFITEGEkFRB2FxEyIygQgUQpGhscEJIzNS8BVictEKFiQ04SXxFxgZGiYnKCkqNTY3ODk6Q0RFRkdISUpTVFVWV1hZWmNkZWZnaGlqc3R1dnd4eXqCg4SFhoeIiYqSk5SVlpeYmZqio6Slpqeoqaqys7S1tre4ubrCw8TFxsfIycrS09TV1tfY2dri4+Tl5ufo6ery8/T19vf4+fr/2gAMAwEAAhEDEQA/APfqKBhRQAUUAFFABRQAUUAFFABRQAUUAFFABRQAUUAFFABRQAUUAFFAFRPtv26cuYTa7V8kAHfu757Y6VwEMjXHhyNlu7v/AISR57X7Yk5kPlP9pi3/ACZwFB6Y4298ZoEr9SaXxLq9tcD7RLHbsZBbPcvCxTAmuE3Bc4yRGp/H0xVy/l1bW9K8Nt5bJNcXL+eoeSFWURS4J2/MoOFIB7kCgZSl1fVtEuL+CAbFEzvGZInl851ihCxKevOW568H3qd/FWvGS7WOKLzlEv7g27ZtyrAIWOfm3Dn/APUaAJ9di1y/udMsxEyyeZIrSLcvCr4Q4c7ORz0U1nXer6x4chniR5Li6M6qZXiLLJtjGfzPpQBafxH4jEbShIcS71iT7M37vBGCeeep9Kc2ta8t40QVDcL+584wtsP7wDdtzjoaAIpfFms28kUc7wQurBPmtm/0gl8Eg5+XArQ8QHUNUt9JS1O95pXD+VNJAnA4JYDdxQBnT+INd0e/XSwTdtBbESPJCSWcJuDA5yRnjmn/AG/XUvZory9Erv8AZ3jiSBkADY3EYPQHrzQBXg17Wbe0hkeUz3AVkmlaFv3HzgEsoPOBzVu38R+IJ3EiiIwQmPJ+zMPtCtOY9wyflG0BqADWrjVn1q+s0vtoFxavbRmEnapK7m68gHOabaeJ/EEmu2NjNDbpETtkeSNk8753VivoQFBx7+4oAl1vU9Ru21WzWdYZIbiFbe3EDFivmRHzS2fmXk8D6djVW58R6vZzH7RJHEyyi2a6aFtm37QybtucZ2gH/wCtQBpTeINT/wCEc0u6do7Zrm4eKa6a3YqkY8za+zqN+1MZ6b65u08Q6/pmi2MVtAis0UKtNdK+0EW6Hac9MsT+R70AbuvapqOn+JIp7Vx5j2aAW5iZxOxk5QEdDjv+PSs9/EviO6+0l5YLKOC9jVgsRLxx+dtO4f3SvOf6UAWm8U+I11NrJbBZFEnkLMIm2sxJbd1+75f61RXxl4mbTBO0NojvOqsxVv8AR8qxKuO3IAyfWgDe0vWdbuNWgFysP2WSYwskcR4xEH3BieRuOOlYdzrGq3WqTysx8yKKRPsyQuvlfvABkg8kjmgCkkGsWO3U1VbqaNZrjy2tjlnD7QTz1A6e1bVr4i8Rz2hmC2svlWzzHyombzSGwBnPB7kc0ARW3iXxLc2ccgNplUeRmjhZtwBGF6jB61v+FLy+ukv11C582ZLpwsZj2lEzx9RjpQBvlsAk9q5uHxtpE1gL4rNHC8UksbMqkuE25A2k/MdwwpweDwMUAVp/FWn315ZxR6Zc3OzUDbhgUHlyKrknG7PG1uCBxz6Zkt/iBo155gs1uLh1kWNUiVWL7t2CPm4HyN1wR3HNAFmDxXbahp15cWlvOkkNt9ojFxHtDqc4I59VI7UzT/GFlcxRpcQXFvdmISSRPGAcbN24cnggHHPagCsPGkQvmLLus1jdhsjPmFsRlVAz1PmU218aAvMb21lTa7KkCRZl+8qgHnGct60AXB4001vL229424gSYiH7kltoD8+o7ZqG+8WGw1HUbWa2cLCFEEwTKbypIVjnPJHpQBTl17Q7uS1utThuS8SKTIN3kebtDbdu7BbnjI/Grq+MI11mKzmtZ4hNb+bFC0YMx55OASAuOaALkPiiwuNFm1ZI3+zxEqdzRgnnHUtgfiRVaPxvpMwt5I47loZUVzMIxsjDZA3HPqO2aAEs/FkV1dX8htpYrC2sxdB5I8NIMtkgZ6YXvg03/hMIZL6GNLeSJFjleeOdQrgKqMuPm24IbufyoAlsfGemamYvskVxMzBjJtVSIVVipZjuxjIPQnpUUXjnTL3Q9T1PT4pLn+z4jK0Q2gsMZBBycDg9eRjpQAyPxlFFqdzDqFpNbQIUCTFBiPMPmFXIJ54bp6D1psvinS9Z8OXGp2kInFlcRny5COHypU5UkdGB6+xoAd/wkeoX+qz6bplta7o2lYS3DNtKRsEPA7mTePQBe+aivvF8sejaReQQQRPfStFIs+51jZVckDaMn5kwDjvQBMvjnT4BapqkElndS2v2ho22sUwhcrjO8YAPVR+fFJaeMomvZbe8spoZJLv7PBEyqr42K2Wy2M/N0BJ9qAOr4pML6Dn2oAXj0pOPQUALxScDoBQAcegpeBQBESCpHqOxrnZfCVi0lkE3NHDfi/maZ2keWRUKr8xPb5fwX3oAsHwxpjXMlywuTcvKsvnG4feCu4AA54GHcY6YY0+18N6bZ7BEs2yOTzIo2ndljOCPlBPAwx4HH5CgCaHQ9OghaKOEhGtxbEbz/qxnjr7nmqP/AAh2jeSI9lzkH/WfapPMxt27d27O3BIx0oAmk8LaPIJM2xHmAg7ZGGMhRxg8H5F6dMUkPhfSYGVhFK7ht2+Sd3YncGySTzyooAz9Q8IR3F/A9oy20IcPMRJJufDbsbc7Tz69K07rw3pd5fyXk8crSSY3L57hCQCAducZAJ5xQBEfCeitIWa3dlK7fLMz7M4xu25xux3604eFtKDxSstw80ICxzPcO0iDOcBic0AO/wCEa0z7HPbFZ2WeQSySGdy5cdDuzkYoh8MaRBbiBLdjHhRhpWbO05GSTzzQBF/wi1jBp+oW9kZY5Lu2a3DSzPIEXBwACeANx4FNi8IaQtr5U0cszshV5ZJ3ZmyFB5Jz0VcemKAH2/hTSbSSOSBblJFJLP8AaZMyAnJD8/MMk8H1NWLbQNPtdNuNOQTNaTxmJopJ3cBCMbVyflGD2oAb/wAI5pZiMcsTzBnV2M0rOXITyxkk8/KcU+LQbCLS5NNPnyWrkErLO7kYxgAk5A4HFAFYeF9PNpbQu9z50AfFxFM0Ujb23PkoRwTyR0zir6aVYRLYLHAEWw/491UkBPlKfjwx60AUrzwro9/fyXlzA7ySg7185wjEoUJ2g4ztJGaaPCmleV5bfa5FMomcSXcjeYwAA3ZbnhRwfSgDd3UbqADdRuoAN1G6gA3UbqAKVzeJaw+Y+SMgYUZJJOKrrrFs0sUY3/vUDqdvGCCfzwDQAz+3LX7OJsSbd2CNnI+Xdn6YNPbV7dXlQ78xAk/L1xgHH5igBBrFuTEP3n7w4Hy9Dnbz+NJ/bVvtYhZeCBjbyc56fkaAHf2xbb9uX5Xdnbx0z+eKb/bVttVsSckgjbyMev50AL/bNtlx+8yhx93rzjinJq1u8kaDf+8xg7eB9aALu+jfQBVl1KGG4WBt25u4HA/zioP7btvJaTbJgNgjbz0zmgB51e3ErxnflFLE44PAP9aT+2bfEZxJ+8bbjb05xz+JoAX+2Lf97xJ+6IB+Xrk44/EULq9u00MY35lUMp28DIJGfyNADP7ctvs3n4k27tuNvP3d38qe+r26TTRnfmFC7HHBAAJx/wB9CgBP7Zt8Q8SDzWKgbehDBefxIqa31CK5lljTcGjODuGM8kcfiDQBZ31FcXPkQNJjdjtmpk7JsEUW1d1UnyF4Gfv/AP1qgOt3StbqbOHNwqsmJz3IHPy+/vWNOvzjcbDl1i8aeaEWkG+IEtmc44x0+T3pn9vXP2T7V9ki8rds/wBcd2cem3+tac4h/wDbF4LiKA2kG+VQy/6QcYPr8lNXXLp0mYWkP7g4fM5/T5ef0o5x2J/7Xf8A54D/AL7/APrVfgn86FJMY3DOM1nRre0dhyVjEvVhm1FhLGkgEKY3qDjlqptY2wA2QRYHQbBkfQ10EkYhtkJzbQ+48sD/APV/KrCw2bjcLaH3/digB32a1/59oP8Av2KT7Naf8+sP/fsUAL9mtP8An2g/79ikNvZqMm3gA94xQAzyLd/uWsIH94xj+VI1papG58iIttPOwUAbVrJ/okP+4P5VN5lAHN/6JFarLLaxyMzY+4pJOT61F59j/wBA1f8Av2n+NaRpuSuiXJIkhexmmEf2BEYgnLRr/SmXs2n2LRq1ijl8kbI14x9aia5HqVBc+xV/tTTv+gZ1/wCmaf41bspbC937LFEZMffjX+lZqaZpKk4q4y6udNtHZJLKLC8sfLQAfnUY1DTWPFih3Dsicj86fOjHmLtullcwrKtnCAScAxrkYP8A9apfJt4pInjgiRvNT5lQA/eFUho3PMqpqU4SxkJyenAGSeamavFoaMaW4Kod8UyBvl3NEwGTVU3zs1q2xf8ARkVVxu+fBB/u8dK46FKaukipSQ5NRkjuZ5/LUmYMCuWwucd9vPSoTe7bP7GSm0OH3jdnoOMY/rWlRThuhJokGpl7qGfbGGhQKFy2CB77ahTVQqTqNp+0EZJ3Dbz/ALvP6Uk5SvZFKzNFJzIgdIZ2U9GWJiD+lbWnzh7CFhnBXuMUsNCUW2wm0zLuZP8AiYP/ANck/m1N8yuwgRirjDD6e1VnLwZkRhtHXPpQA5NQhkTl1U9wTTxeQAYEqfnUe0j3HZgt15oPkkMAcFu1OXGcsdzep7VSaauhD/Mpssn7l/8AdNMDQtZP9Eh/3B/KpfNoA5y4lxp8RPQSc/rWDdwGa5Mi6rJAW+4injP0zzXVSa5TKe5sWMwN3GA4YhDk/lUHiJi5hAYrlXAYdulYYjVm1DRnKCwnB8sazPvAyRgE8/8A6v511+gvzOc5GFGfzrmitToqNcpT17dK1wiRpIzbcK44PSuf0vTxaao032e32DcokidsqfcEnHXtQ0cXU7nS5P8AiXp7s3/oRqzJJzF/11T/ANCFax2LWxrebVLVpCdPcBgp3LhicYORzQ9hmNcm6WNTLfpMm9coH68/SoY5f3a/QVphPiZFTZA0mVP0rE1eOa5RVgdkcNncsm3HFGMa5okR2JNISeO2WGYs83zfek3k/jSxafcpcmU+e24j5GI2r9K5Y1Yx5kzeCbRu2puzboYtQjhTtGX5X9K2tKl/4ldvzn5PXNXT2BmbcS/6e/8A1yT+bUnmVoIPMqK4k/cNUz+FgirPeRW0LTTSLHGvVmOAKbb38F2ha3mSRQcEqc4ryrO1zYtW8nD8/wAVT+bXp0fgRlLcPMpksn7p/wDdNaCL9tL/AKLFz/AP5VL5vvQBk28v7hefX+dY+sSWZ13RzcM4mEj+SATjOOelFwNzzfel833oAwYJLP8A4TW8KO/2s2ke8ZOMZb8PT9a3fN96ADzfesLw49mJtX+yM5JvnMu4k/PgZ69//rUBY3fMpsknMf8A11T/ANCFAGp5vvVLVpR/Z0m4/LkbsemeaT2AwpJrA7fsySLJuGCSMYzzUMsYubYRtJIgIBzG2D+dXhLczsRU2QtvGLaDylkkcDJzI24/nV+MqYkyFPyjtWOY6cpVHW4krhIZGQAMFOCBWDFqdy9wYz56hSPnbG1vpWGGpqcZNmz02NWOXT9g+0pI038RBGCa39Ml/wCJZb8/wVtSt0M2ZtxN/p7/APXJf5tSed71qIPO96inl/ctzUz+FgU7sNcWskS7NzD5S67gD24qLTYZLO2KStE0hbLPHHsz9R615nSxsX7eXh/96p/O969Gl8CMpbh53vTJJf3T8/wmtBF62m/0aLn+AVL51AGF9nguY0aXeSAQNsjL39iKY2lWDsrNHIzL90mZ8j6c0AZ2laepmvvtFxJMvnnywJnGxfT73NaR0602nAlzjjM8n/xVAGZoWlwmwEt1I9xcElWmErqSoJwD83bNXL/ToBp9x5LSRyeW21zPIdpx1+9QAzS9PhOl2pnklllMS75BO43HHX71Vtb0uGLRrprGR7WdsN5olc85GTjdyccUAaa6dabF3CUtjkieTH/oVWtwjSFFztWRAMkn+IUAavnVU1OU/YW28tuXaMdTnik9gMy5mv2iUXESLHvXJCj1+tUBdqoCkrkcffFKlV9nJ8wODktBfti46r/32KtJfQBFBmTgY61jjKiq2sVTpyjuEl7C8ThZEY7TxnrWLHe27TeUojLqRuUE8frUYeD5ZFy0N+1n1AWyCCJWiH3WKrkj8609NlP9nQZ67ea3hfqZMzJ5v9Nb/rmv82pvm1oAeb71BPchkKLyT39KTV1YBqCUrl5AD6bafh/+eg/75rn+rxK52IkzQ5EnIJ+8BUwnDDIINbwXKrEsXzabJL+7b6GqAu283+jR/wC6Kl86gDLgl/crz6/zqG/vZLeFWjI3FscjNNK7AwtPvFtJrlrZ4y00vmSDrgn8eK2NR1GWARhCgVlJbcM1TjqOxl6LdLZxR2tq6ND5hz3OSc9auazfHbLauUEEkWH3e+R1o5dbCI9GvSkdtaRMjW6JsUjrwPWotduVu4rqxuWVbclRnoegPWjl1sBf07UZJ32Ep5YTK7Rjjir7y8x/9dE/9CFS1ZgaXnVU1KUGxcE4BIyfTnrUvYDIm8lVBW9807h8nPr9ayxJwPpWFlc6KWxXuNQS2dVZJG3DOUXOKkguxcReYoZRn+IYNFjUmikHmjJ4welIphDhudxIyQoz/OqhzWdjGpuakPktEpa+8onqnPy/rWvp02NPgGf4adO3cxZmzS/6Y3/XNf5tUbXAHGcn0rURE0zPwTx2A71IhC89/wCVAD/N460CX3zQIPNqMkg5Q4PpQMBckcP1pzzZjbB7GgC5BL/o8f8AuipPOoAzYJf3K1DfiSeJVjGSGz1xTTswMuHTHgYmKBU3EZIar2owyXIjVVDKFKsCcdapvUdyraae9tKmyFY1DBjhqm1O1e8mP7tXjKAEE+hJo5tbiG6faSWsyfuwka56NnrTb+xe7uZS0SvGzBly2P4QP8aLq9wJ9OgktX+ZAiBNqgHPp/hV95eU5/5aJ/6EKmW4Gh51Vr+QmzYAZ5GRnGealuyuBmyyKyAJbNGcg7jJnH61mfNwMr04561zc6bukbQdtww3+z+dHzeq/wDfVPmfYvnQ6PIYEso49fWoUt1SYyhvmYjd82RVwnZPQzm02a8UiKgWS0eRx1YS4z+tallIVsolPBC9M5opyT2M2LdaMZvmS9jSTgZB6jP/AOuqD6LJFLGpvlZQo3YbqcH+uK2ERf2TceXxfDzCeTu7Y/xp50ubc+L3gg7fm+n/ANegAGlz5T/TeM/N83v/AIUn9lz7T/poznj5qAF/sqbd/wAf3GPXvik/su42j/ThnPPzUAB0qYlv9NH+z83vSrpMgZc3g2/xfN1oA0FhCqFEq4AwKXyx/wA9VoEZ76XJ5o8u72x9xupn9mXPln/TPmzx83bFAxx0yfe2L35dvHzd6T+zLjCf6Zzn5vm7Z/woAP7Mn+f/AEzv8vze/wDhSrpk++PdefLtG/5u/P8A9agBv9mXPk4+2jzM/wB7jGP8ac2mTmSTbefKVOz5u+Bj+tACf2Zcfu/9M7nf83bPH6VJBprrMzTXW5Q2UG73J5/SgC95Y/56rUVxDugYCVamSvFgik1qxUjzB0pjQEvaEOP3aqG46cisKcGr3KbGt+5up3JLLIrYIH0qpvb7AItj7w4OMe1aWZNzaaO1ktre68qSAoVQOxJD8c8e1QwRwSaVqDm3lRlAKzFuJGz0AptAPvoIIrKynt1m/eq2/f6g4qzAix6Os0mfMdtsY9h1NRSi02Nu5QzRmtxBmjNABmjNABmjNABmjNABmjNABmjNABmjNABmjNABmjNABmjNABmjNABmjNABmlHUUAdTf20LiFmjBPyL+GKjvIIjo6EoMpFlfbmgDGuWY6bYgngB8f8AfVO1I7VtEHCiBSB7nk0Af//ZAP/hM2VodHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLjAvADw/eHBhY2tldCBiZWdpbj0n77u/JyBpZD0nVzVNME1wQ2VoaUh6cmVTek5UY3prYzlkJz8+DQo8eDp4bXBtZXRhIHhtbG5zOng9ImFkb2JlOm5zOm1ldGEvIj48cmRmOlJERiB4bWxuczpyZGY9Imh0dHA6Ly93d3cudzMub3JnLzE5OTkvMDIvMjItcmRmLXN5bnRheC1ucyMiPjxyZGY6RGVzY3JpcHRpb24gcmRmOmFib3V0PSJ1dWlkOmZhZjViZGQ1LWJhM2QtMTFkYS1hZDMxLWQzM2Q3NTE4MmYxYiIgeG1sbnM6ZGM9Imh0dHA6Ly9wdXJsLm9yZy9kYy9lbGVtZW50cy8xLjEvIi8+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczp4bXA9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8iPjx4bXA6Q3JlYXRlRGF0ZT4yMDIyLTA2LTA5VDExOjM0OjE5LjA2MjwveG1wOkNyZWF0ZURhdGU+PHhtcDpDcmVhdG9yVG9vbD5XaW5kb3dzIFBob3RvIEVkaXRvciAxMC4wLjEwMDExLjE2Mzg0PC94bXA6Q3JlYXRvclRvb2w+PC9yZGY6RGVzY3JpcHRpb24+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iPjxkYzpjcmVhdG9yPjxyZGY6U2VxIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpsaT5BdHVsIFNpbmdoPC9yZGY6bGk+PC9yZGY6U2VxPg0KCQkJPC9kYzpjcmVhdG9yPjwvcmRmOkRlc2NyaXB0aW9uPjwvcmRmOlJERj48L3g6eG1wbWV0YT4NCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIDw/eHBhY2tldCBlbmQ9J3cnPz7/2wBDAAMCAgMCAgMDAwMEAwMEBQgFBQQEBQoHBwYIDAoMDAsKCwsNDhIQDQ4RDgsLEBYQERMUFRUVDA8XGBYUGBIUFRT/2wBDAQMEBAUEBQkFBQkUDQsNFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBQUFBT/wAARCAGLBAcDASIAAhEBAxEB/8QAHwAAAQUBAQEBAQEAAAAAAAAAAAECAwQFBgcICQoL/8QAtRAAAgEDAwIEAwUFBAQAAAF9AQIDAAQRBRIhMUEGE1FhByJxFDKBkaEII0KxwRVS0fAkM2JyggkKFhcYGRolJicoKSo0NTY3ODk6Q0RFRkdISUpTVFVWV1hZWmNkZWZnaGlqc3R1dnd4eXqDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uHi4+Tl5ufo6erx8vP09fb3+Pn6/8QAHwEAAwEBAQEBAQEBAQAAAAAAAAECAwQFBgcICQoL/8QAtREAAgECBAQDBAcFBAQAAQJ3AAECAxEEBSExBhJBUQdhcRMiMoEIFEKRobHBCSMzUvAVYnLRChYkNOEl8RcYGRomJygpKjU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6goOEhYaHiImKkpOUlZaXmJmaoqOkpaanqKmqsrO0tba3uLm6wsPExcbHyMnK0tPU1dbX2Nna4uPk5ebn6Onq8vP09fb3+Pn6/9oADAMBAAIRAxEAPwD9UKKKKCwooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiig8DNABRTGk29cAUFyoPH/wBegB9FRtMI1Zm4VepJAx7nmo7PULfUIxJbTxXMZ/iicMPfkUCLFFIeAaa0m3PQn60DH0U0Nu6EH3FOoAKKKDwCetABRTPM5weD6H0oZ8dxQA+ioZrhYI2kkdY415ZnIAA+ueO1FveQ3kIlt5Y54ycbo3DD8xQImooooGFFFFABRRRQAUUUUAFFN3enNG8de1ADqKTd7/WqttqVvdzPHDPFKycMsbhip4646d6ALdFFFABRRRQAUUUUAFFFML9u/pQA+imhiccH/CnUAFFFFABRRRQAUUUE4BNABRTd3rgfWkaTacd6AH0U0N7U6gAooooAKKKKACikY7VJxn2FNEm4D8KAH0UUhagBaKarEnGMe9OoAKKKKACiiigAooooAKKDwM1WXUrVrprYXMJuF+9F5g3j8OtAizRTVcMuRTqBhRRRQAUUUUAFFFVrjUrazCGeeKDzOE8xwu49wM9aALNFNDZ6UjSbcZ70APopobt39KdQAUUUUAFFFB9uaACiqk+pW1rLHFNcwQyS8RrI4UsfQAnn8Ksbzxxgn17UCH0U0Nu5GCO2KdQMKKKRjgZoAWiq0Oo2txNJDFcwyyx8PGjgsv1Gas0CCiiigYUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFH60AFFVLzUrfT0Vrq4htlbgNK4UZ9Mk1YEgZdwwV9f60APoqNZCw6Y9Oe3aql9rlhpSb729t7RSNw86QJkfieaAL9FU7HVbXVLVbq0uYbm2bP72Fwy8deQaqHxZo63i2h1WyFy3SITqWP69aBGvRTQx4z+IxTqBhRRRQAUUUUAFFFFABRRRQAUUUUAFFFFACFvTrTGkO7AHfHNR3UghgZ25GOlfntJ+2V44j+Ib3DPCNNS8aH7Ai7sqH2/XOK6KVCdZNx6HBiMVGi1F9T9DgzHFK2cHH41S0u8+3afbTtlWliWQ56jIBx+tcZ8fPGF14A+CvjXxHacXWm6TcTxEdnCHafwzn8K59Tsi7q6Pk39q7/goZqXhHx8vw1+EOjr4n8YtJ5E84XzI4pe6Jg/MR3PSuHs/D/7dmtWLam+s2Nm7J5qWb7A21hnH4VJ/wAEiPhPZax4X8TfFnU4kudevtTnsIppBuaILtdyM9Dlxz6V+keBwMd80Fnz14LvfiNdfsm+IZvijFDaeMotOvhILU8bVjYI2QeCfrXkf/BI3WL3WP2ctSlvrqa7kTWbgB55GkbrnHJr6t+M0aD4Q+Ms99Hucn6RNzX5J/sOw/Hf4j/D2+8E/CfUYvDHh+K6lur/AFuUEMWc48pT0z+FAj9ot/XOB+NfM37X2p/HLTtW8EJ8IIonspLll1d352oGX+m6vmr4X/G74x/sv/tQ+HvhX8VdZ/4SzRfE+z7LeHrGXJCkN/s45r1T/got8efGnwU1r4VW/hPVTp0Gt6nJb3oVQfMXdGAM/Qn86APtDTfPXT7UXHzXQiQSZ4y2BuP55q00gGORj3r43/4KK/HTxf8AAn4T+Eta8J6n/Z1/eanFHNIV3b1KgkfQ/wBa8fsPh7+2L8avD9v49j8cWvhh7qP7TaaHAduF2/Lkd93H50AfpVu7d/ShuATXxH+wZ+114p+KHiTxL8MPiXEtv478OuV8zG0zKh2vkZ5OefpX20GOM0Afn1+2t+018WfAH7TPhv4a/De7to5tcsIfs9vNECGnZ279uAKx1uv26pDxFpWOOdwrjP26vGmnfDX/AIKJfCnxXrUjRaXpFvb3VxIi5bYGkBwPWvof/h6z8CzwdVv0IHJNqxoAh8WX3xWsf2D/AIoXXxWeK28WJY3LwtYnBWLC7TuB4OTXS/8ABM69udU/ZS8PXd5czXM7zzAyTuXY4bAyTWh+0p4+0X4rfsL+PPFXh+VptH1XQJbiBmUqdu5Qcj8K5H/gnr4osPAf7DNh4h1abyNP01bq7nc9lT5jigD7IEm7pgjtjmnbvzHX2r8ufB/xO/aW/bn1zX9X8Ca3D4F8C2lwbe3kI5fBIwPU10HgX9qL4vfstfHTRvh18crmDW9B1plSy1qNcbdxCqQ38W0n5qAP0kMgXOSAR70u49cV8p/t2ftfy/s0+D9KtPD1ul/4z8RyGLTomXcEUADeQOvLDFfPK/Cn9s7/AIRb/hPf+E9iGoeQb/8AsIHkxkbtmP72KAP0y8wc4+YjqB1o37RyR74r5R/YO/a8u/2kvDOsaP4ltF07xv4cdYdRhUfLKp4EgGfXg188/GL9sL4z+E/2svG/w78GQr4ieaGPT9KsGjA+yysM+cSMHABzn2oA/TQtyBnmlbkEZr5O/Y++GPx08I+Jtd1/4v8AimHVYNSt1W30+OTItmDZz+PSvqtJlZsBge/XrQM/OD9oj9qD45n9rrWPhZ8M7iz2wwwyWsMqgdUy2Tn1qh4o+Ov7ZnwV0+XxL4k8NadrOh2rBbpYlLbV6luCCOM81k+IvF2jfD//AIKvalq3iHUrfSdMSyiWS7uDtjUmPgE+9fS/x9/b++DXhH4f65Hb+JLPxRfT20lvFp9n+9EzOpUA+3PNAj0P9lP9p/Rv2pPhw/iHToG03ULWQW9/YuwLQSYypz3DDJH0r5f/AOCb+tX+oftEfH2K6vbi4hj1NvLjllZ1TEjDgE8fhVv/AIJFfDjX/DHw48Y+KNYtZLCy8RX0L2MMi4bZEjqTjt97FY3/AATU/wCTjv2gP+wtIP8AyK1Az9Hd30FDSbevFfJv7Tvwz/aF+InxEFv8OfGFr4U8G/YkDyP/AKxpgfm49MV8weK/il+0h+wp4y8O3/j/AF+Pxx4F1K5WByTu3ZPzYIxhwOR7CgR+qW78/Sm7s9CDg84r4+/4KEfH3xP8Kf2dNC8Y+DL86ZNfX9qSxXcTC6h9prw7wrZ/tb/taeG18YWXia38A6LJEBp9ht2yXG0cO3s39aAP0y8zr0Pt3zRvxnPGO54FfDn/AAT5/ac8cfEnxV42+GvxGZb/AMQ+F5Ay6gflL87ShHfHWvLvjr+1p8bvDf7XPi74beA3XWjcxw2OnWTRAi1Z1z52exGevtQB+mhY+gz6E1yHxam8RxfDbxDL4RCyeJFtHawD/dMuPlBr84fjRa/tW/sueG4PiXrPxEh1+0hmVdQ0+EExxZ5x/u9utfad18aL3xh+yPP8S9JP9n6pdeHzqEZT5vKlC/MMex/SgC7+yLffFPUPhSkvxdijg8V/apBsReRFn5c17du/P0r5c/4J0fF/xN8cP2crXxH4v1A6nrLX9xE9wy4LKpGAfpXyB4M/al/aN+L3xW8a/DTwVeRXN82qzganLEAunWyPgDOeuKAP1hL4OMj2zxTmbA6j8a/Kbxl47/aL/Yd8ceF7/wAZeL4/GXhnVrlIZ4SSyh2cB17YOCcV92/tNftLaP8As8/A+78eTAXzSIiaZb5wbmZxlB9Mc/hQB7Xu3dKN2eR0r8xPAPg/9sH9oLwzD8Q7fx5beG4r8faLDTNuFCDDKMf3Wzxmtr9jv9pr4yeOP2urz4e/Ee9W2TTtPmW402ONcCWMDbJn/azQB+kWc9KWvlr4zft3eH/g38fNE+F97ol7dX+pi2KXUf3F844H5V9Qqx4BOD6f5+tAHyH/AMFHv2hfGP7PfgXwpfeDruO0vdV1P7FI0qbht25GPTnvXh2m+NP24jp8Gr2tnpepW0kK3McfHzRkZBx347V0v/BYxiPhr8NmH3R4hBLE4Awle7+G/wBsb4MeDfhnoX27x7pYa306BJIYpd8gYRjIx1JyDQB5p+yD+3tqvxU+IEnwy+JOix+HfHMe8xOgKJOU+8mzqG79cV9vbjyOM1+TnwV1ST9qz/gpY/xR8I6TND4S0cq811ghCUgMe5j0y5wcV9i/tY+Afjv8QvE2h2Hwt8UW/hXw8tnI2pXEhBZ5d2FAHXGKAPp7cOPT1oL49/T3r8p/iN4y/ad/YfvdI8UeKfFUPjHwdNcrDcJ97AyMj6kZxX3P8X/i5cyfsl638R/Dcr2NzLoQ1SyZsFk3KCM/nQB7f5mM5IOOP8a8Z/aU/ak8P/sz6b4evNetLi8TWL1bGNbYZKse59ua+BPhT8aP2rP2tPBemaZ4RuoNKsbONhfeJpF8sXTsTwPdR6V57+2l8Nfj14B8PeDx8UfGdr4ks5NTjg05Y+WjnyMMTjkUDP2a03Ul1bSbS9iRkS6hSZVbqAwBAP5182eAtS+OX/DWHiC01+KJ/hUIG+wzKoyGGNuT69a5X9l34a/tJaH4w0TUfiB4703VvBa2YcafAn7zDIPLH4cVjfDP4++NvEH/AAUK8a/Du91ZpvB+m2e6DTyg+VgBg5/4EfyFAHuv7R37VXh79mw+Hl12yurttauktYfswB2lmC5PsM17HDdJcwxyD7sibx9MD/Gvx/8A+Chng74x6L480W78aeJbTUtF1LXnHhy3t1Aa1zKDFu+gAr7U/Zn+HP7RPh3xtZX3xL8bWGt+FFsiq2duuHDlRt/DpnNAGt8K9R+O037U/i+28VQInwuUP/Zsigc7SNmP619QbhnGRn0zXw98B/j9448X/t6fE3wDqWrtc+F9Lty1pZlcCMgDofxrK/a2/a78eX3xus/gd8F4k/4SuQqL/UmGRBuXO0c8FQcnOaBH3o0gXntnFLu7AjNfl38SIf2tf2UtAXx7qfjS38X6FZzK2p2caltqFgDx2HbNfWdj+0mPir+xzq3xV8LOdP1JdImnC8M1vcRghgfxGfyoA+kPM9eO/wCFG/5sHFflL8Cfi1+1N+194Zs9M8Oa5b6Bpelx4vPEkkeDeOxPyL64xXafAX43fGP4F/tXaX8F/irrv/CU6fq8WLS8cbSrbDIrg/htI7mgD9KM14p+07+1JoX7L+h6FqevWdxex6vefYYFtxyr8HJ9sV7OpIUjrya/IT/gph4R+Lmk6nY6h4z8RWuqeDdQ1xhodjHw1uTypbB7AUDP1x0nVE1rSbO+hG2K6gSdVYc7XXI/nX58/DHW9R/4exePdPe9naz+xErbtMxQDyQeF6Dk16Z+yz8PP2jdC8V+HdR8ceOLHVvA39n7Tp8a4fBjHlYPtxXyZ8VvF3jrwv8A8FJPHsXwwsEvvF+qLDYW5dcrbholDyNz0AOc+1Aj9eB8qgDBPWnb/wAs4r8rfjJD+1T+yXo9n8Sdb8fweItLjmVNRsIgWRMkHb9D93rX3Pqf7SmkeH/2YYfi/qUfkWb6VHem3ZuWlYBVT8W4oA9r3dehPsaAxPuM1+Xvgef9rD9sTQ5PiFoHi218GeG7qRjpWnqdvmbWOD7jg17R+wn+1N4y8a+MfEfwm+KSoPG+gL5i3a8efHnGD6nv2oA+3OnNN384yM0V+f8A+19+2B4+vvjRb/A34LQr/wAJPIFF9qhH+pLKSVHptHJ60AffzsdrY9OK/Pz/AIKoa1qGj+IfgiLG+uLMSa6RILeVk35xwcHkfWrPw6/Z9/a08H+MvD2q6h8TLTWNLN5A2rafcN1ty6mVU99u4Vzv/BXy+XSY/g/exq011a6lNNHHn/WMqLsX6k0DP0M8PybtB05nfJ+zx5YnvtHetDIbg4r8zLr4d/tg/E3wWnxBHjG38N7LQXdj4fi+UiFVyFK/3yB39a+hP+Cev7TWtftFfDLVofFSIvibw/e/YbqVePOGOGxk85BzQI1v2edW+Ot18Z/Hlv8AEeCFfBsb/wDEleNAN3z4/LbX01v79sZ+tfEX7H3x+8a/E39qD4xeFdf1dr3RtDkK2NttA8oCUj+Qryb4h/tGfH3xD+2P46+E/wAPdSt3hkItrVriMBbFFXJlBzx3oGfpuW24yR1xnpQrhuhzX5cfEr/hqv8AZDs7Pxzq/jKLxl4dFyBqNsgLhBkcdsAn5c1+g3wJ+Llh8cvhR4e8b6YjRWuq24cxN1RwSHH5g0CPQ6bu3ccNWJ4z8WWPgfwnq3iDUpBFYaZayXc7McAIikn+VfmV4T+J/wC0b+3l4r1nWfh94gXwT4J0258qAfd3HJKgnuSBQB6B/wAFDtcvtL/aq/Z7jtL2eCJr6PzIopWVXIn4DKOor6D/AGwNU+Muk2Xgw/B6CO5lk1Bl1VZFGBDsGGz6cmvzt+OFr8XtB/aR+D+gfFzUbbWb7T9Ut/7N1S3z/pMfnDdn6V9n/wDBST46eMvgTovwyl8F6o2lS6xrT2V3tUN5kQRcLz060AfYOhtdf2NYG/I+3GCPz/TzNoLfrmrwY+mR3Ir53/ah/aet/wBmv9n+DxfdoLzxBfQxQafakf626ePPI9ByTivkzTfBf7YvxI8Dn4nx+OYdFupIPt1n4dXh/L+8FI7HHQd6AP083fT86UnvXyh+wL+1ZqH7SHgG/s/FECW/jTw/cG1v0XIDgMVD9+cggj1r6toA/OT9h/XNRv8A9vD472tze3E9tC+UhkmZlj+cjhScDgV+jZk5xxn3r8a/Adr8VdW/bS+MWk/CC5t9O1a+vpY7zUrkYWCJSTvHPua9D+JXjX9p39hnW9H8W+LPEcfjvwfcXHlXMC5K84JHbaeoFAz9U8+tG7rjmvKNU/aG8OaV+z8/xakk36ENLGpIm75mJHyx59d3FfCvgPWv2pv20rG98b+GvFEPgfwl57jS7f7pl2njrnNAj9QN3GR0rwr4vftceHfg58ZPBXw81Wwu59R8UOqW9xEB5ce5iuWP1xXgX7G/7Uvj7XPiL4x+B3xPljHxA0mKX7DfnpNtUnn14KN9M18jftHeCfjdo37TXw20zxp4otNQ8aXlwo0LUIlGy1/enyy30JH5UDP2qDMW9Ox9jQHO3pzjO3vXxh4T8C/tN+C/hv8AEa58W+O7PU9TXRXl0M2qZaC4TLHPrkAV0X/BPH9ozV/j98Dbi+8U3gufE2jXclpfMRhiAAQx/wDHvyoEfVu/8TRv9x/Kvyv8N/t+eO9Q/bKhsZdV2/DK58StoqwNEAqp90AN3wcGvo//AIKS/tGeI/gR8L/D9t4MvWtPFmv6iLezmiUMwRApcBe+dwoA+wi20ZOBjrnpRuPpzXxX+0Z+1P4m/Zh+A/gfQjKfEnxX8QWscEMxTjzWGTJs78nA9x3rxHxN4N/bG8B+Epfihe+N4b6a1h+3XOgRtykPU5X0AoA/ULzPTn6Ubuvr6V4F+yj+0xY/Hr9n608fahJHZT2sMiaqOixSRDLnHYYGa+Q7P4zfHr9ujxx4mi+FWrw+Cfh9pM7Qpftw1wwIC8+vf6UAfpz5n09uaN/0z3GelfnL8Av2jPiz8Ev2kbb4IfGa6j1yPWgI9K1NTglj0Of7p5/xrq/+Ch37UXjr9nz4mfDO38IXG63vRLPcWG3Iu8EqsZ+uMfjQB937uCf6Uu4E4yPzr8zPEXw//bC8QeDbn4lT+OodGmW0/tKPw9CCGjiA3eXj+9gd6+mf2Bf2lNT/AGlfgwdW1+GOHxBpl01hd7OPNKqCJMZPU5oA+mz0pu7dkdfpUN1dR2ltNPK+yKJS7sTjAAyTX5ja3+0N8bv22PjFr/hr4L6qvhfwXoMpjm1DG1pNpwHJ75OSBQB6R/wVx1q80n4beAzZXs9o8muxgm3lZGYcZ6V9JfEC88aQ/s0i68BFZvGa6NA1l5p4eTy1znP1r8wv22PDvx2+Hug+E/DnxW1y28UeH21JZ9O1SL/WLIGHyHnuK/SH45+ONW+HX7Gur+JfD9x9j1bT/DkU9tMFzsfy05xQM6H9ma+8fD4J6bd/FTbH4rjEjXfsi8gn8K/PX4L/AA31/wD4KNfGfx34i8YeKtU07wvoN4bW3stPnZPlYsEVSDgYxk5r3TwP4i+OP7QH7FnhXX/C3iuCy8SSvcSapeXC4Mtuq52qPXqK+TP2IfBfx68Vab41X4U+K7LQobfU/L1VbkbjLPk5ccemaAPrj9qRpP2C/wBjQ+F/AWq3015qWpfY7e8vnMk8STZMpV/UcbfTNZn7Nv8AwTi0+bQ/Cnjrxt4t1/UPFkkkWrOkV46whtwkVWBJz0GRXgX7fHgj46eGvA+i3XxL8XWOr+HGuo4oLO2TDC4yuH6eoFfT37OPgf8AaK8Galoev+OfHWn3Xw1sbA3Mtig/eeSI9y89sAUAfcCqFwoH3RwM07f6kDivzLt/jd8eP25vHXiFPhPqyeC/AOjSvAt5INrXLc7Rn+9wTW58Df2jPit8C/2j7D4NfGnURrkeufutO1FR/ERlCD/dI4+tAj9GGfgnIHHU0pYj86+EP+Chv7Unjn9nX4m/DP8A4RScz2l0ss11pix7vtvz7Vj/AB/rTPgZ4L/an+IHxY8M+OvHevQ+H/CP2g3U3h+CT5mhcHapUdOg/OgD7y3e4/OjdhgOK/Pj9oP9qD4ofFj4/TfBP4EMtld6WxXV9ZkAxGwGWG4ngDoeK4LX/iz+0J+wv418LXPxG8Sx+OPAusXHkzMBu2sSA21uxwSR9KAP1E3Hjp/jRuPp/wDXr5P/AG/vjl4h+Ef7N9v4x8FaqLC7uLu1MVwF3ARuQfyIr548I/8ADV/7Xnh+Lxdp3iSDwDoixqllZsNr3RXH70/734UAfpqZPmwMHkj3rw74l/taeHfhj8dPCPwv1Cwup9W8SlRa3MQHlR5zw35V8/fsMftKfEXxn4s+IPwf+IVwl54z8NxyG11LgEsMqFY98HBr5C+NvgX436P+1t8P9L8UeLLW++Il48Y0XUkQeXagltoYe2evtQB+2PmZ6dM8e/GaXIr5z/ZX8C/HLwfe62fi/wCLbPxHbyRxpYJajHlsDlifwr6K/GgY+im5ooERvErqQxOK8ob9mLwDJ4tXxEdIX7cshlABwm7Oc7frzXrWRScetVGpOF1B2uZTpQqNOSvYYsargKoA7ADiuF+PXg24+IXwZ8Z+HLRsXOqaVcW8Zxk7jGcD65Arvsj1prAMpUjI9OlZxVjU/Mr/AIJF/Giy8P6X4q+FGtyrpmrpfy6hZxXJ2+YeFkQZ/iBTOPQV+muDnI6Z718SftSf8E4rD4qeLJfHHw+1pvBXi5pBPM0I2RSyAk7+BkMenBx6g15zpfwJ/bX8P2sml2vxIsnsvurcSSZbZ04zz0qhn3Z8aWB+EPjEg8f2Rcn/AMhMP518if8ABH1dv7O+sMOC2uTgt3bHGTXuHwg+EfjzQ/2a9Z8GeNvEX9v+Lr+C9Q6hJyq+aCFXPoM1lfsJfs365+zD8KL7wxr99bX15PqMl4klrkrtbt9aBHzZ+31Gsn7bXwCXGCblOfTMn+NXv+CuS/8AFQfA7A4/ttuPxj/wr2T9pr9k7xL8aP2hfhh460q/s7XTfDEqvdxTZ8yTDg/Jz6Zq1+25+yrr37Smt/De80TUbW0i8Oai11dJcZyy/Kfl98rQM8n/AOCu2P8AhQngXDbf+JtDjjP8Ar7e+Guxfh34YMbAINNtzwcjBjHf+lfE3/BXiNLf4H+Coc7/AC9YjTd+AXI/WuR0r9m39qrQ/AthoXg34nQTeFr23UwG6k2zW0TqNyg464JoAyfgnqC+KP8AgrB40vvD20afCl1HdSRAYdlwHOff1r9RF+6M18wfsV/sX2H7LekalqGoaidd8ZasF+26g6/cXOTGmRnBPJJJ5r6ez0oA/ML9snR7HxJ/wUy+Dmk6pbR32m3S2kc1tMu5HXc+QRX3b/wzD8KUbjwHogA4/wCPReeK8X+NH7IfiH4lfth/D74t2WpWlvpHh7yPPtZATI+wsTj86+uewHfGf0oA+f8A9sTQdP8ADX7HHxJ0zSrOGw0620OVIraBdqIu4cAV8vfC+3vbj/gkn4kSxYrMLG7chQWJTeNwAFfbn7Qnw/vviz8F/GPhHTZo7e/1iwe1hkl+6rbgRn24riv2Vf2f7z4Nfs92nw88UPb6q5EyXKxjKOjjBXBoEecf8Et9Q0vUP2T9Jh01kFzbajdJcx7vmWXcMk49R3rxH/grzf2F9rXwk0q2dZPEJ1Deoj+Z0jLDGQORk8/hWnqX7CHxd+AXjPV9S+A/jqPStD1J9z6XqDYC5bIHTGAfTn3rsPgP+wT4qm+LkHxP+N3ihPFniGzdJrGxiXdFEyj5Sc9QDzgelAzyH9vEyeHf2r/2frjxKQ2ipBbhyw+TzFZVkJY++K/T+OeOSzE5kX7P5YkMmflK4Bz9MV4l+1t+ytoP7VHgAaJqL/2bq1jL9o0zU4xl4Xwcjp90k5P0r5Km/Zc/a6/sFvATfFC1XwtIptzdxsTKITxjPX7vvQIp/sANb63+3f8AHHVvDytD4aaS4CxquEw048tfwwcVs/DSNbj/AIK7eMsqCV0ucg4HBCqM/kSK+qf2T/2VtC/ZZ8CvpunSPqWt3hEuo6lLjfM3XGcdM1wPgv8AZP8AE3hn9ubxD8ZptQtJdB1G1ltltVz5qllHP5gUDOt/a4+C3xJ+MFjoEPw68aN4RntZJGvGyR5yEfKD9DXF/su/s3/GX4W/FJta8dfEQ+KdCNlPALEnpI5TY34BT+Zr69yD1pp4b156n/PvQI/KL4qfC/RPjd/wVC1bwv4mha40aa0hZ4VbbkiPg5r7J8Ff8E7fgZ4JvLe6t/B8N7PDgq14xk5Hrmubj/ZH8Rn9uSX4zjUbWPw+1skK2fPmlguCa+uc9KBlSHTLbT9NW1tYUtreKPYkcKhVUDsAOK/PD/gmmR/w0Z+0GfTVGI/7+tX6MvhkYZxkYr5O/ZE/ZR8S/AT4rfE/xNrOoWtzaeJr03FrHDncFLlvm/OgDwL4yfFv4sftPftea58G/h94nbwfouiAedMo2u2zBkbPf2Arxf8Abk/Z5+JnwU+G+l3Hi34mXHjTRLnUYzBaXJO9J+zgegXIr6n/AGgP2I/iL/wv6b4ufBfxNbaHruoBfttpdDapI6kHHQ9+tedfEz/gnv8AHn9oDR/7S+InxKtdR1y0nQWemoCbaOPcCzZ4+bGcUAdL/wAFMCP+GFvh+ewn0v8A9ECvs/4DKF+CPgcgYH9jW3Hb/Vr/AI14x+19+yzr/wAfv2cvDfgHQ7+1tNT01rQvNcZKN5UW09PUivfvhp4buPCHw98OaBdyRyzafYQWsjx8AssYBx+IoEfA37H0xP8AwUs+PcKhViUy4AGOQ6ioPCvzf8FbPFOOWFgDuA5Hyj+hxXu3wF/ZL8QfC/8Aa2+J/wAU9R1G1n0jxOXNnBD99dzhvm/AGmeH/wBkrxFpf7b2u/GObUbUaDe2nkRW6583dgDn24oGbf8AwUiRf+GOPiHnnFtHgE9P3q/41xXwjy3/AATNlbOX/wCEcuQf1H9K9x/aw+EWpfHb4C+LPBGkTRWuparAqQS3H3FZZFJz+Arm/AP7PuteF/2R5Phbc31vJq7aTJZC4jB8sO4OP1NAHlv/AAST/wCTQ7Xj/mJXX8xXl/8AwTJiDftE/Hxm+8uouM4Gcec3f8K+pP2Kf2f9Z/Zr+BMHgjW722vNQjuri4M9sDs2ueB9a5D9kL9k3xB+z/8AFP4m+JdX1G1vLPxPdma1WH7yqXLfN780Aec/8FfowvwX8CuozIvieEBj2+RuP0Bri/8AgpzJe/8ADLvwankI/ssXWnvMoXkP9nODn0AJ4r6T/bq/Zr1/9p/4e6BoXh69tbC6sdYi1B3uiQPLCEce/Ndh8WP2cdI+Nn7P9v8ADnxFIoENpDHFeQLu8meNNquufQ0Adl8HbvT7z4TeDrjSXX+zZNJtWt9nI2mJcDj054r4N+E7K/8AwVm8e+UU+WzdcLgjlFznHWk8F/sl/tX/AAoifwX4S+JNrH4QjJS2nnzujjOANox1Arjf2GfBN34J/wCCg3izSbvW28U3+laZLFe6q/WWdgobnvgnFAH6U678M/A/iLxJba3q+iaZd63CE8i6uY0MyheVwevFdkuD9e/4V8dfH79lX4lfEr9pvw1488PeMjpXhWxNr5+liRl3iJgWGAcc9Oa+wxz165wSPoP8KBH57/8ABY/Enww+HMJJCv4gCn6GPBr0P4W/8E3vgfJ4V0LV7vw0b65u9Pt5ZBPISNxjVicY65Jro/28f2XfEH7UHhfwlpvh++tbKbSdTF9M110KYxge9fRng3SZfD/hXRtMncSTWVlFbuy9CyIFJ/SgDP8AAPww8LfCvRf7M8KaJaaJZZ3NFaxhd5A6sepr4P8A2pPjZ8S/jJ+1dafAT4b68vhi2tI0kvdSjyGdihaTn0XpjvX6Mbh64r4f/aq/Yp8Y+K/jRb/F/wCE/iNNA8YCOOO4imBCMUXarDHqODnOaBny7+2v+zL8VPg58HJdV8S/FG48Y6E1yok0+6+ULJjgrnr+FfYni5x/w7H3E4z4Mt8AHp8sfSvEfHn7Df7Qv7QHh66m+IvxDsJb21Uf2dpUY32xJGCWPbNfWmv/AAL1fVv2Q/8AhVaXdvHrB0GHSzcYzEJFCgn6cUCPOv8AglfGP+GOfDLhcMb26P8A5ErzD/gr0xj8K/DJgzYbxBGSxJwMAf0r6c/Y3+COq/s6/AXR/BGsXUF5fWU00jTwfcbe2Risr9tT9l//AIak+FkOg2uojTdX0+7W+sbhxlC6qRtY46HPagZ7Z4Nx/wAIfoe07lNhBg56jyxivz2+DPzf8FWviaw/588cdeiV6d+zD8Jf2lvh74+0Gy8f+MbPU/Aml20lsYIW3vNhCI+30rp/AP7J+veFP20/GHxek1G1Oh6vbeVFapnzA2B19uKAPF/+Ctr7bz4PgDBbXYyDjGPnTv8AhX6BaCwm0Wwk3ZDW8bDB7FVNeBftvfsqH9qX4b2enafqH9ma/pNz9rsblvus3dSe1cH+yv8AC/8AaX8E+OtJh+I/inT9S8E6dZvALWOTMjMFKxn+VAjyj9l8/wDG0D4xdj9mb+S1h/s13kWh/wDBUn4n23iF4zqdytwlnNKdp3cEbc9SUyBivo74UfsneIPAH7ZXjr4sXOo2s+h65blIbePPmKxA6/lWV+19+wjN8ZvGFh8RPAGuf8Ip8SNPwVvANsc+D8pYgZyBx9KBnuv7TGqaNoP7P/j261sxDTP7IuInWXkOxRlVcH/aIxXwl+xDY38H/BOP4mTXLt9jnFybZSCAMIA2PXJ9K3de/Yw/aV+PX2Lw98U/iNZr4PhkR5obNiWuNpHXH0796+vdQ+AOneHv2bb74XeDI47C2GmyWVq0wwC54Lt6lick0CPFP+CTwUfso6Ww4LX836EivMP2v0WH/gpB8EXQYdrZWb8JMD+VfT37EvwB1n9m74IWPg/XrqC91GC6mmaW1+5tYkj8ea4745fso+I/ij+1f4A+J1hqNnb6RoFqqT28wJkZt+cDn0oA+stuMj/Pavzy/wCCxC7fhz8NWxjbryndt6fJX6FKx256sR+vevAv20f2Yh+1N8KR4ehvRp+q2d0L2xnb7nmBSNrH0PtQB7B4BYHwN4eAOQdPt8EHPWIV+fvw1UN/wVy8eHo4syQwHI/0cCvRf2W/hH+0x8N/H2gWnjvxbYar4C02Jo3hifc7r5RWP8jiuu8G/sp+I/Dv7bniX4xXGoWsmg6la/Z4rdf9bu8vHP4igA/4KeJ/xhf435/ite//AE3Q18+/HBb2X/gkz4YmhYPbpFavcR5zvTzzgfhX2J+1/wDBXV/j98A/EHgfRbqG01LUmhMclx9xdjqxz+VN+GP7PNtp37MOlfCnxmkGrwppzWd2I1ymSTyvuM8fSgZ8Nfs1/sl/Fb4kfBnwn4g8J/Gi40fQ7iEvb6dATttcMVYcdOVPX1r3n9mT9hPxT8F/jwPiR4j8bf8ACUXc9rJDdGRCskjMpAY+vOK8ttf2F/2gv2e9Q1Gz+DXxIj/4Red8x2V8+0ou4tgjpnk9MV79+yb8MPj14b8aanrfxe8bQ65ZPaC3tdPt+VWTdkseO1AH1a2WUjHXivy//Zqkg0P/AIKifEiDxE6rqtws4tHkwMOwyMZ9U4/Gv1B/En2r42/a6/YJb41+NbT4h+BNfbwn4+s9ubpAQlwV+6TjnPbOce1AH2MzbQdwxj5iM5xX52f8FYVDa38C1YAga9gjHptyK1fCfwR/bAvvFGhWHiT4iWEXhnT7uCS5aFsyXMKOpZD9VBH416t+21+yr4h/aS1L4c3Wh6lb2SeHdT+2XX2gf6xflPy47nGPxoEfSekoP+ETtcjI+xJ1/wCuYFfnx/wSUAXxD8Y9o2hdXkAx/wBdXNfolY2Rt9FisWdS0cCwF8cZCAZr5a/Yh/ZT8Sfs16p4/utev7O9TX79ru2FtnKqXY4bnrhqAPEf+Cfq/wDGav7QPPSdh7/641F8EWA/4Ku/EpWdVZrWUL6ZEfb6V7h+zD+yb4k+C/7RHxS8d6tqVpcaZ4omZ7SKDO9R5hI3fga+OPFHwr8T/Fz/AIKLfEy08EeJZPCniWzb7ZaXyfdJCcq3scUDPvv9urWtP0D9lX4gyansZbiwNvDG7YJkZvkC+pB5/CuE/wCCWdre2v7Ivh77UHEUk80lurDACbu34hvzrxDWv2I/2h/2hta0zTPi94/tT4QsbgSmCzct5wBAbj1Iz17mv0J+H3gnSfht4N0nw1olutrpenQrDDGFx06n6k5/OgDy79t63vLj9lf4jrY8zf2XKxHcoMlh/wB8g15J/wAEo7rSrr9k7TI7F1N5Dezx3gUjO/Jwx+o4r7B1rR7LxBpN5pt/bpd2V1E0M0EgyJEYEFT9QTX50z/sH/Gv9n3xxrN/8BvHENl4d1R/MbTrxtoQ5J246cdulAhv/BR6RW/as/Z+2vmT7coK5wVBnU8/gT161q/8Fhj/AMU/8Gu5/wCEkk4H/XNay4P+CfPxd8XfEHwz8QvHPju313xLbalDc3lrIDtjiiZWCxnoCcV71+3V+y54i/ae03wDb6Df2mny+H9XN/cG5BIZSqjAwfagZ87/APBWaCdfhz8HJZZtmm/aDG0jL8sT+QpMn5DoeuTWr4V/Yn+M2veGdJ1LSPjzdnT7m1jlgWIlgqMo4yB1AOK+v/jd+zzo3x++C58C+JApPkQiK8CgtDOihfMX8unevjrw7+yb+1Z8EtPHh7wH8S7a88ORsRbR3jbWjTPHXvQB7Z+xL+xjq37LPiDxZqWp+Jl8QNrscX3V2kMGZ3Zvcljn8K+uM+9fP37J/wAN/it4B0vXZvip4uXxPqeoTrJBGi4W3UDBANe/fiR9KAPzX/YXm/4z4+O8TbVLSuducZ+boAf6V7n/AMFQtW0zTf2RPEsGoyx+fdywR2qMfmeXd1A9vWvGfE3/AAT0+Kdl8X/G3xO8G+PYPD2vXN+15pUEYJV43+8kp/kP50y3/YW+Nvx+8aaTcfHfxzb6h4d0ucP9hsmz5oBB24xgZHfHegRQ8baXrOl/8Ef9HgMbLKlnbSTQyKciEzZ2/wD16479lX9lr4m/FD4I+Hdf8FfGS60HRZo2/wCJTCTi0fcQYyOeTx+dfpvrHw50DXvh7c+C7mwjfw/cWJ057TaNvlFcYAPpXwFa/sL/AB5/Z38QaivwS+Ica+Hrx2dbO/basRJ7jGCeMcYoGeg/s8fsDeLPhP8AH6z+KfiTxwPE2px281vcSNGfNn3ptDEng4HHTpXnv7eB/wCM9v2flJ2j7RbnOMf8t2ya9v8A2X/hb+0P4f8AiPJr3xZ8a2+q6Mtq0EWkWzZXef4ycdaP26P2PdY/aKuPDPibwjq6aN4z8N7jaSScCTJDA57FSP1oA+s5o1lV42TzFcEFT0bgZH0r8odH8cj9iL48/tCeErlvs+la9pkuqaGzfu1eUpuGPc7mUe4r7A/ZN8G/tA+GNf1WT4weI7PVtLW0ihsYLZ9xDhuWPGenvXD/ALeH7BurftS+NPDOv6BqVrpV1a232LUpLhc+dFv3Lj3HP50CPk/XvgHe6X/wTj0D4jwwM/iG01tfFUckS/MkMzAMSeuFxnk13jeNIf21/wBsn4NR2c32jw/4e0aPU7xWGQkyEGTPbJO0D6V+gXiL4M2Otfs93fwyjMdtZzaF/ZKMqgKrCPaGxjpuANeB/sD/ALE+tfsuX3ibU/EupWep6nqMcdratapgRRqSx65IJ479qAPnD/gqFo97qH7VXwktV1FtKtbi2jgtL7GEtHMzfPn2yD+FejXn7A/xv16wltp/jzeXNld24jZSDiWMgcH+8MGvpf8Aaz/ZP0H9qTwLBpN5O2m6xYu0mm6og+a3Yj7vToTXyxpP7OP7ZXgCxi0HQPidY3mjREpBNNJulVQeOvNAz1P4d/suaz+y7+yF8VvC66ymr3uoWl3fRyRxlQAYdrr+IB/OvjT9hH9nfx18ZvhrqV34I+K03g5bW9Md3pcJy24j5ZHXqMjNfp1+zj8PfG/g34XSaN8TPEK+LtcuZZJLm4K5Xa4wY/pivkvx1/wTy+Inwv8AiFq/i39n/wAZL4ch1B2lk0qZiiBjztHYrn1zjNAi54a/4J0+Pofi34S8eeKPic3ie88P3cFxGbiI72jjYv5YPvk/pWH/AMFKP9I/ag+AMbAFRfxKRj/psDXe/Bn4QftTSfFDQtY+IvxAtz4asLjzLjTbU5M6Yxt/Hmux/a0/ZS8S/Hb4zfC/xdot9a21n4XuUlvIrj70gEgb5PwzQB9O+KFDeD9ZHY2M3Hb7h/wr4O/4I+wiP4f/ABA2DaP7bY/h8wx9OK++9WsX1HRL2xDqjXEDwBz0BZCM/ma+a/2Ef2YfEH7MXhfxNpviC+tb2XVL9ryI22cKpJwD780Ae+/FK1ur34c+KILLi6k024WP6mJsfrXwV/wRvuLD/hDPiFb/ACrrK6uJLhCAGwQwB9T6elfo1IqyxPGw3KwKkeoPavz0+JX7AnxF+Hfxe1P4g/ALxZH4dl1ORpLjTZsrGu77yqOmOvr1oAf/AMFhpI1+GPw8VmQyjXVYL/FjAGR7Zr2n9qRf+MAfFBB/5laI/wDji18y+OP+Cffx6+PVvBr/AMRPiJaXniG1mC2unlS1skRYFyMcbsV9q/Gz4P6r8Q/2YNc+HWn3EMGrXmjJp0M0o/d+YAFyfbigZ5V/wTyx/wAMN6Lxx9kuv/QK8l/4I+fNo/xeOST/AMJB1J9mr6h/ZZ+B2rfBP9nSw+H2rXcFzqVvDNE88PMZLrgY+lcP+wj+yv4g/Zh0/wAbwa/f2t8+var9tg+zZ+VMNwffmgDyz/gsUP8Aix/hTJPGuL3PoK+kfiHFeXH7IesR2DFbpvCp8sqTx+5/PpXJft4fsx67+1F8OdH0DQNQtbG6stQW7ZrkHaVHBHX0r3/w7oKab4Q03RLgLOlvZR2coZcq22Pa2fY0CPyA/YT/AGf/AB38aPhvq174G+Kdx4RW21Apd6XCTnd1EuO+QSK+jvD/APwTg+IE3xY8J+NvFnxOk8SXOh3UM6efGd5RCDsBz7Y/GofGX/BPX4i/Cv4man4x+AHjVfDcGoM0k2lTHaik87QOmM9OK7P4Q/Bz9qib4maDq/xE+INmfD+mXRlmsbbH+lLgcdPTNAzzv/gpQfM/aT+AAZVYfblXGOP9apI+lfo9Cu2NQOAEBHOPw+lfKf7Wv7J/iP48fGD4XeJ9Hv7W0sPC90JrtJvvuAwb5fc4r6rWPvIc7QFP4DP86BH4yfCH4U+L/id+158WtD0Xx1J4J8Sx6peSvJDw1z8/zAZ9sGvfPGX/AATR+LHxC0+Kw8SfGKXWbSGb7RHBdRlkjcfdYe47V6X+1N+wLqfj74oQ/FL4V+Iz4N8bqVa5ZAVS5cf8tMjueM+tcMvwR/bQ1hbfTtR+JNjY2SuN11C26R1B9PpQM2P+CmHht/B37Dmg6DPOLqfT57K0eXoHKKMn8wK+pP2YUMfwB8BORn/iTwHH/AK4L9tD9m/xH+0Z8ArTwXo+pW8GsR3FvLLdXQ+SQoBvYjrkkH869e+EXhC6+Hvwv8NeG7uSOe70vT4raWRPusyjBxQB8I/szxAf8FQvjXGo2s0cxzjuSDn69qi/a4by/wDgpd8DD8qqZYGJx15bn8jXuXwf/ZQ8SfD/APbK+IPxavNRtbjRPEAkFvbRg+aoOAM1V/bm/Y4174/6r4Y8ZeB9dj0Pxr4dDLbl/lSVc5B3fwsMUAfYOfm5/nzS18y/sm+Dfjx4b1rW5vjB4ks9XsWhjisbe0bIWQEZJP0FfTWRQAUUZFFADKKTdRuoAWik3UbqAF65zzQeue9JuPpmlzQA3B9SD1zSMvAGMD24p+aazUAJxlfbpS454/lSZFIXweRQB8j/APBRr4B+Mv2gPhx4a0nwdYR389jqq3E0ckgQhBjmvqHwVpc+jeEtFsbnBntbSKGQK2QrBACPzFP1Txdo3h+6s7bU9StLG5uzst45pQrTHPIUd61VYc54K4H1oAeFwc9+9LTd1IXx2oAXb7/54/wp1N3UbvagBdo47/1oAwMUZpN3tQAbQvPbrRgLkdD1wT/ImjdXzl+3p8fvEP7OHwHk8XeF1tzqv9p21qPtKeYmxyc5GR6UAfRuT1PA7c4/lRtH+PNcZ8GvFl744+FnhfxDqIjF9qVhFczeSoC7mGTgDoK7Pf7UAL+o96No/H1pN1G71oAXj15o+nWuY+I/ji1+GfgbXPFN7DJc2mlWzXMscIyzBeMD8a4P4G/tGab+0L8Hb3xx4es57GGMXEaQXi4bfGp557ZFAHsIbc3Ubv169MU+vk39gP8Aad8U/tNeHPF+o+KVtY7jSdRFpEtnF5a7fm68nPQV9YbqAAttzkgEepo3YXII5/i/pXhH7aXxk1z4C/AHXvGXhwQHVbR4hGJ13IdxwcjI/nTPCf7Rptv2TbH4ueJ7V5nTS/t15b2S5yQcHaOcDNAj3s/MuO1L/n1rzP8AZ7+OmlftC/DWw8Y6NaXFlZ3UkkYhulw4KNtJ/OvS80DD196P8jgcUm72o3UALj04/CjHXik3+1G6gBTkrjOeB+lJu3fLnB6leM0Zz2zXyHp/7U3i2b9vbUfg862jeF4bNJ0KxAShigb72fU+lAH1904HT0obC/zwKTdjmvP/AI9eN7/4b/Bvxb4n0ry/7R0rT5Lu3EoyhcDgMO4oA78n+HOT1I4ryz9pGT4jw/DW4n+FX2Z/FsVxE8SXijY8efmXnrkVx37DHx0179ob4CWHjHxOtuuqzXk8DfZU2R4VgBxn39a+guPrQB+dV98V/wBtjxPZ3WiQeDdK0qeRTC14iBSCRjcpzx1zXsP7Dn7Gt7+z5/bXi3xhqa618QdfH+mXS9IQxBZQe5JAyf5V9beYenNIPl/z1oAcQOuce/45oZtoOcDA9eaTdu7V5P8AtVfE3V/g38AfGXjTQREdW0mzFzALhN8bNvUYYemDQB6x/Dgn9B+FOrxP9jz4uax8cPgD4a8Y6+sK6vqAkab7Mu1OGIGAD7V7VuoAX8aNo9/fmk3UufagBNo/THrS7ec575H6/wCNJuo3UAL9OKB8vTgenak3e2KXNACMgZQOR7il+vJHTjpSbvagtigB3GCD07004HVuR60hbjtXnX7RXxA1H4X/AAT8X+K9J8s6jpdk1zB5o3JuGMAjuOaAPR+g7g/QZFG0dO2c14T+xV8bNa/aA+AGheMfEUcMesXckyTfZU2IdrkDjPpXu2aAAruznJ/HFL79/wA6TNJu/wAigBTjp26444oPOc4A7n+lfJP7cv7UHiz9nfWvhxaeGY7RovEOqJZ3huYwzCMuoO3kEHBr6t024e6021mf78sSOffIB/rQIs/Tj09qPpx9DSbj6UBvWgYMm5cZKj2pcc5+v60Um4+lADvX360hUMMHp3FGaTf7UAO/WkK7mySfzpN1Q3V9FY2slxO6xQxpveR2CqvuT2FAE/401jg8/KPyH4c1naD4o0vxPZm80i+t9StA+zz7WQSIWHUZHpXzF+3Z+094n/Ztj+G7+GIrSVtf1c2N59rj34jwpyvIIPJoA+r+dxOR2zjn8KX0qhouoNqOj2N3IFEtxbxytj1IB/rV7dQAvbrSjjkDFJkYJpN3tQAoXHQ4Prj/AD6V8XfCX9nHxv4V/b28afEq/soofCuqWrJBOsoLMxXHK9q+0NxryH9pj9pPw/8AsxeB7fxN4itbm8sZ7kWyparlskZ/nQB69tGOufccUvB5796w/BfiaDxn4R0rXbSNorfUrdbiNZBghWGRn868r+IX7WHhn4d/HTwx8KZ7O8vPEevIskLQLmOJWJAL+nTP0oA9w/GkKjqCD9f8K474pfF3wv8ABrwneeIvFmqQ6Vp9quSXYF5G7Ki/xE18aah/wV28Dteyf2Z4Q1zVLFCT9sjgbaF7HgUAfffp3xxRt4x2xjpXz7+zh+278Ov2kney0W8bTdejBLaTfkJMcH+HP3sDk4r6DV93Tp09efSgA55xxnrSY254x+Fcl8VviTYfCX4f634v1ON5dO0m2NzPHH99l4wF9zXx5D/wV2+HM6l18Oa8Yf8AnotsSvXnkUAfeS9D2FH44r5w+Bf7fPwo+PGqxaPperPpWuyHamn6mnku7f3UJ+8fbFfR2ScgDnn+dAAVGCBwPQcUg6jvznnml3HpikoAc2CORn8KTO3HPA4OMfypfvfSvkb9tj9qTxV+zz4q+F+meG4rR7fxFqMlrffao9zbAY8bTkEH5z/9agD654OQDkDqOgpe2M8VV026e7021nkUK8sSuwz6qDVgNntQIXH8sUufXmm7qN1Ax2TSHkf1pN1G6gBfr1+tDKGGD9KTdRuoAAvABJOKVhmk3UbqAG7Q3XJ/H9KeRnHt0ptLuoAX+HFGP6/zpN1G6gB1NK/MpycrRuo3UAL/AJ60p65zg03dRuoAXH4emO1C/KTik3UZoAd14NA9+e3NN3UbqCWLjp3+vek2jAHp70bqN1AIUDp3x60v403dRuoKAoD3IPsacOKbuo3UEsX68/XvS/rznpTd1G6gaF2jp07ccUevfPX3pN1G6gYvp7UUm6jdQAtFJuooAbkUZFJuo3UALkVleKPEmn+DfD+o63q1wlrp2nQNc3Mz8KqKCT/KtTcK81/aN+Ht98Vvgj4y8KaZMsWo6lp8kUGThWkwTtJ9CcD8aAPke9/4KlX2valdz+B/hdrHiTw9azNCdRjBIk24yQB06n1zXu+hfthQa5+zHqvxfj8KalHHpjzJc6PIpWdDEcMcEcivjD4F/tG+Nf2H/AcPgLx/8KL6fSbO4cnVLeAMp3EDJbHI4br7V+gHwh+JXgP9pX4V3F/4ZSG48PaksltdWgRV2OwJdGAHUigC5+zn8fNF/aP+F9j400OKS3tJ5Hgkgl+9HIm3IP8A30K4X9qD9sTR/wBnHxB4V8PnSp/EGv8AiCUpb2dqcFRuUBj7HJH4V8w/sB65efs9/tIfEn4Fa1P5dlJPLqOlM52phckkZ6hlxjHday/gjbzftif8FDPEXj+9h+2eD/Bbm308v91XRj5QHb7wYn8KAPpr9pX9uvQPgDrGmeGbfRrrxH4yv7dLgaPa/fhVwcBsd+DXI/A3/goFqnxJ+JujeDvEfw01jwvLqpkSC+kjYxK6oXAYkcZAryb9rL4YfEr4Q/tcW/xz8IeFm8aaQ9tEktsq73iYDDDH0zjHevWf2ef+Cg3gr4yfEG38H6/4YuPBvi+Qv9nS+iAV3VfmAOOCRkAUAfHX7Yn7V9x8UPjV4B1NPCesaAPC+pMRbXAZWvNko4QcZzjP4199/sz/ALZD/tB+MLvw43gbWvDJtbL7T9s1CIrE2GXjJ9QRXzh/wUltIbX9o74BiOCKMtqIMm1AAx81OvrxX6F6u1toPh2/vra2RHt7R3228QDPtUkLkD2FAHzV+0X/AMFAfDnwZ8Zt4J0DR7vxp4xjx9o0/T0LeRlcgEjqRxn61l/s9/8ABRjRPin8QofAXi/w3e+A/Flx8tvb3/8Aq5X6hAT3K8ivhP8AZL+K3jbwX488eeNdA+HU3xI1q+vZFl1Jhue2bc2VyehYY/Kuj+PupfGD9oT4jeBvFQ+DeoeFtW0K7j8y9to+ZF3gjJHZR0PXHXNAH6O/tPftU6L+y9o/h3U9b064v7fV777GPs55i+XO4+oAr518Xf8ABU6NtQvLrwN8OtY8WeF7NsS6xHEyxsBgsV9hz+VZP/BX3Mnw3+GkMhIdtYwy/VUBH8xX2d8O/hv4c8K/C7TfD2j6RaWWkrp6xmFYV53ICxPHOSTQB8+6t/wU4+HMPwq0TxHpdvd6v4l1Z2hi8L26FrpJFOGD46DHzA9wK5/4Uf8ABTiz8Q/Eaw8I+P8AwRqHgK41J/Lsrm6JKMxOFVsjvkfSvGf+CYHw08PXXx8+Lt3cabDc3Gg3TW+nPKobyEMrDjPt3ruv+Cuuh2Vp4f8AhjrVvbpBqEevLAJowFO0gHt15oA/RFZA4Vl5VuR9MZr4r/4K4Red+ye4GFP9uWPb3avrrwbcvd+FNImlOZJLSJmPuVWvkD/grs279ksgnGdcssn8WoA8s8D/APBSK48JfC3wzofg74ba14qg0jToYLvUliZYQ6r823HUACvrH9lr9sLwj+1FpV0NFEum65ZjN1pd5xIi5xuA7jP5VrfsreFdG0v9nfwJFaafaxRzaTC7jyl+divLHjnNfE2i+H7T4K/8FXjpHhENaaTrFqst3bQjMY+0/vJFx2AcK3tQB9heDf2tNJ8YftPeIPg1BpVxFqWjW8lzLeuf3bhCvA9/nFdb+0h8dLP9nX4Uah43vrCXVbezdI2t7c7WJY479q+Kvga3mf8ABWL4l7Q3/IOvQd3GSJk6evA/Svb/APgqNIq/sf8AifLDP2iBR2wSTx+QoA9XtfjVpHjL9ml/iVeaS0ujXWjNqEumy4LOmCdp+uK5v9mv4q+GPjJ+zzqHiPwl4dHhnSJEvYVslAADIrAnHvXn/g3H/Dsy2wOP+ERcH/vlqwf+CYv/ACZNdnuZ7/J+qk/1oA5D/gjv/wAiX8S+N3/E7HTr0evbf2pP29vCn7OWsw+Gbexn8UeMJgNunWXIjz90vjJGemOteI/8Efcf8IN8Tcgt/wATrG0dTw/FcN+w/otp8Xv25vi54t8SxLqN3p93cNbR3Iz5bNJtHB7qBj2JoAwv2qv27H+NH7PfiLwd4l8Fap4M1y92TWRuY2Mc4RslckDnFfXHwf8AFul/Dv8A4J86P4h13TRrOkWHh/z7ixYAidMkbcfWsb/gqL4X0mf9k/X797O3a9sZ4WguCg3xl2w204zyOKxZiP8Ah1Nd/wDYqP8AhlwcfrQB7z+y38UvDvxS+D1j4p8L6F/wj2iOZhHp6qBtKtzwPX+deAah/wAFW/BUOm6zDaeHNTvvEtrqBsbPRoV3SXajP7wEdAMc10//AATRyn7HGlOD8we8Of8AgVeCf8EufAOga58Vvi34gv8ATYLvUtJ1JobKSZQwhV2Yttz3oA9X+Ev/AAU40/xR8RrHwn468HX3gafUJVhtbi73BCzEBM5HO4kDjpX198RPiRoPwr8Hah4n8SXqWGk2KbpJSQSxycKo7k8YHvXwH/wVo0Gys7j4R6tbWyQXyaysHnRjadgdSFOPQ03/AIKx+J7u/wDh38JfDAmlis9avYpbpVyEkGxQNx9ic/hQBtTf8FXJtR1O6udA+Fus6r4XtpGWTUlRtwUdWAAwRjmva/2cP28PDH7S/wATNR8J+HdJu4FtNPF/9ruDgMA4Rkx65Ofwr2f4W/Dfw94F+HeieH9O0u0gsoLKNHjEYO8lBuLf3sk96+A/2KtHsPDv/BSL446ZpkEdrp9r9qSCCPhUXzlOAPxxQB+mm716V+UPxh+MGmfAX/gpd4l8W6va3F/Db6dDHHa2cZaSaRo1Cgda/V3cPXHvX5qDR9N1n/grdqUeo20d1BHYwSpHMN671iXBwffmgDqrX/gq7HoevWieNPhpq/hnQrqTbHqEysCq7gAzAjpg5r6Q/aQ8Tab4y/ZH8dazpFzHfabfaFLNBPGQVdT6e4xzVf8AbK+GXhzx9+zj40ttbsrcC10+S7gnVAHjeMllKnHsOOlfJn7JmvahrX/BMHx5bXzSNDZW99FBJJn7mTwM0Aeyf8EoGH/DImlKPl/4mNznj3BrR/aG/wCCiPhX4O+NJPBfh/Rb3xv4shH+kWenfMkDdNrMO4OM/Wua/wCCad82j/sInUIiyzW8mozbl6gouQR78V5R/wAEmfCmn+NL74lfEHW4o9R8SzaiLc3U673XcC0h57scH6D8aAPWvg//AMFN/D/ivxraeFPHvhq++H+rXjCOB75WERckBVyR3JHOa+vPHPjzQ/hv4W1HxF4hv49P0exjMs9zIflRQP1JOAAPWvi3/grN8N9E1H4Ax+LRaQWeuaHfRG3uocLIwcgY47V4t+2l8S9c8WfsJfA21vbmdH16S3F9MxI+0CNdo3euTh/woA9T1T/gq1Jquq3R8F/C/WvEWiW8uz+0I0Yq6g/eXA5zXcfHj41QftA/8E7PH/jCDSrzQxNYSwy2N9GUljaOVQRg+pr3v9nv4YeHfhv8IfCmi6VYW8VuunQO8mwEyMyK5PI55NcR+3tZwWv7GvxQjhjit0/sxm2xqEXJkXsPWgDnP+CeeuWHhn9ivwnqep3UNjYWsNxJPcSsFRVV3JYk9sCrHwV/bnsP2gfi1feE/BfhTUb/AESxc/aPEcg2WyRjgH6k8AV+Y/hr4n+JviT4R+GfwQ1zXW8E/DiSREfVNrBZ0d8sSf4lBYjHbvX7N/BH4N+Ffgf4D0/wz4Ts4oNPiQM0y4LzttH7x2H3s5znp6CgDwX9oP8A4KEaR8KfH1z4G8K+Gr7xv4otP+PqCyB2xZGRyO9af7MP7aWp/HT4hXng7W/AOp+D9SgsmvRJeK3lugYLgEjrzXy14u8LfFH9jX9rHxx8TbDwTL458Na/MzLJbr5jrG5BxjsR0HtX1J+y7+274I/aM8TT6FHo83hrxpbQsXsbuLa5RTyA2B9cUAfVYO7618h/tGft3X3wZ+I194L0L4e6r4t1K0hhnknto2EQWRSwGfXivrheR+hr4e+On7fEHhn4s3ngX4ceAG+IHiyzcR6hJDGPl28Bc4/hJxyetAFv4J/8FM9B8ceOrXwd418NXvgfWrx1jtmvlIjdicKOfUkAGvoT9pb9oDTf2bPhdd+NNTsptRt4Z47cW9v95mdsL+FflV+1x8XvEHxa8aeBLzxT8NZfh9rdjqEKfanXaLhRMuEBHpX21/wVBZpP2LbnDfMJ7J89+AT/AFoAwPF3/BUjTp7hbf4e+BdW8avHAkt3NAh8u3YjLRkjqyivZv2Uf20PC/7UNnf21paT6F4j08ZutLvPvhc43j2B4+tTfsS/DXw14N/Zz8F/2ZpVtBLqNhFeXUxjVnlmdcszEjmvlX9nHTrfwb/wVA+JWl6ZEtrZSWjAxoOAGCyHj/e5/CgD6q/aj/bQ8G/swW9na6ms2reIr4brbSbQbpCD0LY6CvkX40f8FEJ/iB8G/FnhTxT8PNX8JSa5YNDZXU8TGJnJ+6TjgkYqv4N0Gz+NH/BVfxW+vwC6tdCVprW2us7R5aqqkA5zyc4719hftveGNJ1L9ln4htPY20klppzT27FAGjkBA3Djg4NAHHf8EuMj9jzwxngm4ucEem+vpTx94wi8CeC9c8RTxNNBpdnJduijlggJIH4Cvmn/AIJcsG/Y98NKev2m4H/j9e2ftGZ/4UT48x30mcYPT7n/ANegD5V/4etaN4i0KyPhDwFrWv8AiKTf9q0yNC32YKTglh13AcCu+/Zu/wCChHhz43eM28F61ot34O8WZZYrW9GElYDOAT0JHSuC/wCCRvh3S1/Z1m1U2ds97c6hKss0kYLnacAFiM9686/4KdaHpnw/+NHwj8c6AseneIJr2KG4EC+X5gjmQhiBjJxlc+lAHQ/8FXv+Ro+CLMM/8T+M/hvX+tfa/wASPiVb/B34O3/i67s57+HSrFJDb2qlpJThVAUD3Ir4h/4KjXj6lefAO7ZRE9xrMEpVu24qefyr7A+Nvxq8LfAP4Kt4r8VoJdLjgihSzYAm5lbG1AD3yATQB8n3v/BU3xFpLi/vfg3rkGgg5a6dXDBfXpxxX15+z3+0R4V/aU8Dr4l8KXJeKNvKurWTiW3k/usO2eo9cV8Xn9vT4iePvDt9c2fwButQ8H31uyecUzvhKkFsY6YrnP8AglRqz6XpHxz1Czjks1tt9xFaZ3eUyxuVGO5HSgD6S/aS/wCChnhT4G+Lj4O0nS7rxf4tVgstjp4LCPI+6SP4gcVU/Z1/by1H4v8AxQsfBGvfD3VfC97exSyw3M6N5R2LnGSOprwP/glX4J03x/4y+JfxJ12CPVfEf9omCJ7sBmg3szOwBzzgYr9KDpdjHcxSraQxyxhtjiMArkYPPWgDxn9p79sLwf8AsxaXajVzJqWvXxK2WkWq5mmx1bHZc4ArwTwf/wAFTbJfFGm6b4/+H+seC7DUpAkGozqTGuSMb8+xyfavmj45+PdYuv8Agox4j1y08Jz+O7nQJI7ey0SUEiNUhHzKvsxzXQftMfEz4u/tKfDabwrqnwBvtJuFkSS1v44/mgPQ4x1yODQB+sVlewahYwXltMtzbzRrNFLH92RCMgj6jn6Gvlb9vL9pF/hD4Sn8ML4V1TWG8RaXcAX1khKWvBTLntwc16T+x3ba9Z/s0+BbPxPbXVnrNvZGCeG6GJE2uyqP++Qora/aWtbeb4D+PJJII5JF0e42u6glfkzwT060Afm9+w7+2dP8CfhBb+FJPBGueKne+lnGo2SM8Z8xh8mfbdXq3/BWTUlvPCvwR1eSNraIawLt43GWjUxqxB9wBXZf8EkrG3uf2VommtopWXVbna0kYY/eHciuT/4K/QLc6P8AB21fP2e416SGRfZkUEfTDGgCTVP+CpH9l6dbv4S+HGs+IfDWnwRxTaz5RWN9qjcy4HTINfWn7Nv7SXhn9pzwAnibw0zRCKTyLyzm+/bOBnDfUEEfQ1ufD/4a+GND+GOleHbPRLO30h9Ojga2jiAUq8fzA/XJr4N/4JZ3zeG9a+PFrArfYLO+mnS2UcExu6rgf7oxQB9EftIft9eGvgd4ui8GaRpV14t8ZNxJptkC3kEqGAbHXrWF8Bf+CjOifEz4hWvgfxh4avvAXiO7X/R478HZI+cbAT3PrXwp+zT8YPF3hH4xeP8Axronw8k+I+vX13KrXsnzyWmZnwAD0O0bfpiul/aJ1n4vftFeLvBmvx/BbUPCut6FdRu99aRkvKocEA4PQYzQB+xob5sHrnAr4L/4LFMf+GbtI/7Cyfyr7k8PyTy6HprXasl0beMyKwwQ21dw/Ovhn/gsQQ37N+kZ/wCgun8qAPrX9n5v+LIeCDgt/wASm349fkBr4f8AgUR8cv8Agp1488WBjJY+EbP7LGr8gOUEPH0YMa+uPBPiePwT+yZpWvTEhdP8Li7JU4xst9w/HNfNX/BJPw3JeeAfHXxDvlkOoeJdZkbzHX5mQZOAfTJoA8i+NU95+3B+39bfDWe5kj8CeGpJEniRiFlSIAyseoyWyoOOK/R7wr8EfA3gvQLXQtI8NabDY2sIiSM26sWGMEkkZNfnN+xnfHwP/wAFHviHoWtQrDfajHeRQGU4+YOZQFz/AHkyfwr9UW5bjduyQGGMjigD8w/+Ch3wJs/2d/E3hf47fDq0XRru01BP7Qt7YbEaTgo/HRWwQR3r9Cfgf8R4fi58J/CnjGJQDq1hHdMq9nxtf8NwNfLf/BWvxJpmm/so3Glzzot7qeqWwtYwclwjbnIHYCvZf2HtNudG/ZN+GlnexG3uE045iYYKhpJHX9MUARftzKJP2VPiMG+4dJkJB6cAYryH/gmf8PPDPiT9k3w7c6roVhf3LzzK0k9ursQG4+YivXv24yo/ZV+IwJwv9kzA/TAr4A/ZN+A3x9+JHwP0q78CfEhvDXg+5kkQWG8/KwPJoA1P+CnngPwV8M/iv8OfEHgNYNI8Z3tw0l1Bp4AYeWVMM20dGLDGBjp0r9APjJ8eW+AnwI03xnf6ReeILvy7S2+yWaFpJJ5F5OB7g/nXz58D/wDgm2vh34jW/j34n+KZvHWv2sqywRTA+SHHc5zn88cDivc/2rP2kvB/7MvgW01PxBY/2tPeSmPT9NiQM08qDO4A5wFoA+Zj/wAFUtc8O3QuvFHwh1jS9CMnN4QwKp7gjrX278J/i54d+NHgPT/F3he9W90i8HysRhkYD5lYeoOa/Pj4g/tkfEj4jfDHXbLW/gNcN4b1XTpl+3Ecwo6E+bjHG3g/QUv7DPia78L/APBOr4s6npkrC5s7nUjb7SSYiYEAwP8AZyTx3oA9e+Mn/BTbQ/CfxAu/B/gDwvfePtTsJWhvZbIExoytghCPvY9elfJn7V37VFh+0f44+EtvN4c1Hwx4h0XXCb3Tr6MhkV2QKQSOclO1fR//AASL+Huk23wKv/FktjBcaxqWpSRPevh5HRQG8vGOMMxb8BXJf8FQNF0yw+KnwS1C2tLeG8uNWZZZ4UAaQKyYzgdsmgD7Z+M3x28O/s4/CceK/E8pS2iiSGGCMfPPLt+VF+uP1r5Ftf8Agqb4gmi/tST4Oa4PD+A322JHb5c9enpzXo//AAUV+Bfij43fAnw+PCNu1/qei30OoNpy8meMRnoO5yOleRfDv/go1/wrnTdK8J/F/wCF994cWBEsmu1tv3ZUYXcykY6c+tAH6G+FPEUfirwzpesxwyW0V/bR3CxSjDJuGdpHrWtkVleGde03xN4f0zVtImW5028gWa1kjACtGRkfkK1N1AC5FGRSbqN1AC5FGRSbqN1AC5FGRSbqN1AC5FGRSbqN1AC5FGRSbqN1AC5FGRSbqN1AC5FGRSbqN1AC5FGRSbqN1AC5FGRSbqN1AhcijIpN1G6gBcijIpN1G6gYuRRkUm6jdQIXIoyKTdRuoAXIoyKTdRuoGLkUZFJuo3UALkUUm6igBlFN4o4oAdkVwPx1+IWqfC34W634o0fRJfEV/p8YkGnW4O6Tn5sfhXd8VHJhgQyhgeORnjOaAPzo+In/AAUjj8d+DdW0K3+D2s32s3lu1uIbq2ZkSRlIBPy9ie1ewf8ABNH4DeIfgr8FbyXxRCdP1PXL9tQXTicm1jI+UH3Ir6oXw7pcc3nJp9qkjHJKwr19elaUaiGMIgwoAAX6UAfmZ/wVc8F3Pw88aeCPi1oN01hqu1tLnaD5ZOANnT733sV9Lf8ABPL4IH4N/s86TJqEG3XfEGdTvjKNr5k+ZFY+y5P4185/tKST/taft3+Cvhbai4ufC3hBvtGqfIwiLqQ0vJ4PAUD6n8P0ls7KPT7GC1jX9zAiovHAwAB+gxQB8efG79vrUfgf8U9c8K6x8NdW1PT4XAttRtEaSOdTyBwPWvnPQLLxX+2r+1v4Q8caX4Fn8D+FvD00dxc6lcRGJ5jFjIIwAWJGBxX6jXWj2N/IHubSG4YcAyxh8fnVm2tILNSsEKQqeojUKCeucDvQB8E/8FRPhr4ovb34efEPw3pk2rnwvds9xbxIWZcMpViB1HHOK9O/Zk/bei/aW8UyeE5vBOreHpk01riW6vI2WN2G0GMZA5O71r6plgimjKSRrKhGCrjIP51UtdHsbGQvb2cEDkctHGqk9uw9h+VAH5caTafEz/gm58bvFD6d4XvPGnw38RXRnWS1UsQCTg4A4Zckele2eGf+Ck17468U6Pomg/CrXTLeXkcM800bKkEbEBmPHbJNfcc1vDcx7Joo5U/uuoI/Kq1toWnWcgeCxt4XGPmjiVT/ACoA+G/+CsHhXWfFXhX4cxaRpN3qEsWtbpVtYzJtztPOOnvX3Focfk+HLFRls2qLtxz9xePrV6S1gmwJIlkGScOoYZJ5PPepNq7QuPlAwF6AUAfnt/wTS8K6x4f+M3xzm1PS7vT4rjUSY5LmIxh/3jEbc9etbn/BWLw3rHibwP8ADmPSdMutSeHX0klS1iL7Rt6nHQZr7pW3ijZ2SNUZz8zKign64HNLNbw3H+siSQZJwyhhz9aAMrwOj2/g7REmXbItnDuB/h/djj65r5b/AOCpvhPV/GP7MBsNF0+41O8XXLJhBaxl2K7myfoOK+vAAuMfKfbvTZYoplw6K464YZFAH5s/DP8Ab28bfAX4f6R4I8bfCnWH1rSrVIbZrSJisyEYQ9Dz0zW9+w98FfH3xE+PniH9oP4lWEmjXV+kkWlafcAhgrYHQ9Aqjivvy60ewvZPMuLKCeXGPMljDNj0yasrhVCgAKOwGP8AP4UAfmt+0x4X8ffsr/tjW3xz8LaBc+JNA1aPyr+G1QsfmGJUIHTJ6Ht71yX7RH7T3jr9uLw5pPwv8E/DvVNLhvLyOS/ur2JgAVyNuSAMfMc1+qU1vFcx+XLGsqHqrgMD+BqK20fT7OTzLeyggkyfnijCHnqOKAPDPF/w5n+Hv7Eup+DYQ17d6f4aNmBCu5pJNnIAHcE15p/wTb8P6tof7GtxYajptzY3zT32LW4jKScqQDg+uBX2U+JN2/5g33lIBB6dfypkcMUMZjjjWNP7qKAP0oA+DP8Agkv4X1jwv4L+IyaxplzpTS6yrRreRmMvkOQRntivNPiP4X+IP7CP7V+vfE3w34duPFngXxTLLNdQ2qMzQCRw7IwXGGDDI9q/T2O3ht1xFEkY9FQAcDH8qbLBFcR+XNEk0ec7ZFDDPrz3oA/Kz9qP9rXxx+1t8J9R8K+CfhlrNtoagT6neXEDFtiDICDA5z9fwr6NuPD+p/8ADr+fSE0+5fVD4VZPsXlnzt+7hdvXPFfYNrpNjYwtFbWkVvGwwViQKCPoKs+VEIjEIkER/wCWe0bcemPTvQB8q/8ABOnRNR0D9kXTrHVbC4029VrvdbXMZSQZbjg+teXf8EtvCuseH/EXxqm1bTLrTftOrqYvtMRUSKGbJGa++440jQoihFPZVAFEUMUJbyokh3nLeWgXJ9TQB8G/8FWPCuteJtJ+Gq6PpV5qRt9cWWX7JEZNi7hzxXZ/t/fs2618evgJoD+GhnxT4a8u9t4c48xFQB1H+10Kj+dfYElvDNjzI1fByN4Bwa81/aC+PGjfs5+B7fxTrtneXdhJfRWRjsYjJIhcE7sDsAhoA+LPhf8A8FJvF3hbwpZeEfEPwt1zU/GtigsVW3gfbMy/KhJIPU4yc1zH/BPHVNb8Qftz/FbVvElgNK169tJp7zTwP+PdzMuV9ucda9n8Uf8ABT/4K6fpNzqGh6bf6x4hEJMEK6dtkMhHyhjjOM4zXP8A/BNf4UeLNS8b/EL41+MtPl0268WTP9khnyHZTIJCSOwGBigD9AzX5W/Hi6+I3ww/4KAeJfiH4U8HXviWDTLG3lu1jhISS32BX2N3biv1Q4qP7PD5jv5S7n4c7R8w9D7d6APzB+O37avj79qjwfJ8Mvh18NtZ02+1xhbX13dxsoiTI3KDgd+p9K+i7P4Cz/Af9gPxH4BgRr/XBolw9wsA3l55BuKqB1xivq630yys5RLBaQQy4xvjjVT78gVM0cbggqCMbeRnj/69AHyP/wAE0fCt9pP7I9poWu6fPZXEl1dJLa3KFH2vx0Pr/WvmTw/H8Q/+Ca/xo8ULaeF7zxf8Mtdka7ilskJK4OFJx0ZenSv1SjgihUrFGsSk5IQAVFd2dteR7J4I5k/uyIGHXPegD8svjL8TPiZ/wUa1Hw74D8L+Cr7wz4PS5W8v72+DJuAI3ZOOcDJAr6j/AGuf2QJfih+y7ofgjwo+3VfCawXGlrKf9c0abNp+oJ/HH0r6qs7C1sY9ltbxWy+kKBP5VZ43buh9c/pQB+Zvwp/4KF+OPgr4Ts/B/wASfhnrV7rWjRixS9tYmKyIgCqehzwBXsfxa+JXiD9pP9gX4ka1N4O1DRb28hkhs9LdC08qJMoDBfcc19f3Gi6ffTF7ixt5mzndJErH9RVpLSCOHyVhRYv+eYUBfy6deaAPgP4R/sg6d+0F+wZ4W8LeJLKXRfFFnHNcWF5Km2e2mLZ+Y4ztY4yD+lXP2E/jN8SvBvip/gj8VdD1GSfTi9tpXiCSEmIhPmETv3GACp/PNfekcccKhURVQZ+VRgdc9qja0gaTzfJTzOPn2jdx0560AfEHjD/go/c+AfGWueG/Evwu1uSWwuZYYZoIi8dwgbCEfKeorzP9ljwZ4t+P37aF18cW8H3Hgbwpaw7IYJY/LMxCFMbeOucn3/Kv0huNE0+8m824sbeeTdu3yRKxz9SKuQ28NtF5cUSRx9lVQBQBJtDKydm6mvyi0/W/E37Bv7WnxE8Q694L1DxNofiNnltr20h81lEkglOGxwRjB/Cv1b2j3qtfaZaal/x9WsNyB0E0YfHc9RQB+RP7VfxY+IP7Vuq+FdYs/hvqmjeDtP1OGKC5e3YyySGRSSePuj1xX17/AMFJNGv9c/Y6ubLTLK41G832hENvGWfaMAnA54Br65h0+2hhSFLeNYkOVjCjaM9eOlSzWsVxH5cqLImMbXUEduxHtQB5h+y7Z3Omfs+/D61vIJLa4i0mBJI5l2MpCHIIPevlD4R+E9Z0v/gqJ8Q9UudMuo9Mmsx5N40JEL5hX7r9Dznj2r9AlRVIwoAHQAcD2ApgtYQ24RLvwBu2jPHv1oA/Nv8Aaw+G/wAQP2bf2q4fj74D0ibxHpV9tTVLK3jLNGuAHUgdmA69jVP40ftx+L/2lPhnrXgLwH8LtZhvdSgMepT3cTYig4LEcD5sj8vzr9MZoY5o2WRBIv8AdcAj8qqWOj2GmzM9pZW9s7/faKMKW+uKAPmv/gmvod54b/ZN8O2OoWlxY3kdzcloLpCjoPMwMj3r1v8AaQJ/4UL4+9f7IuMf98H/AAFeiRwxQLiNBEvogA49K86/aOVm+BPjlBnzDpMwAXk5KtQB+Y/7Ev7XviL9nL4SNp954C1DxF4PuJnmt9UsELbJMjerY7fQV2um6b8QP+CiH7S3h3xPq3hi78MfDbw66SRPeIRvVZA4HI+8x4zjGO1e1/8ABKHT1uv2V1hvrMMP7SnAFxEOPmI4BHt1r7Ws7G30+MR20SwRjoiDAH4UAfBn/BUDwhrfibW/gyNF0a61GC21lfNa1iLLEodfvY6D+ldz/wAFGvgnr/xm/ZnsI/DsDX2q6LJFqDWUf3pE2YbA74GeOtfX0kMc20yRq5U5BZQcH1p4wvQADsB25zigD81vhv8A8FAvEel/DfSfAGkfCTWZ/F1rZpp6RrEyQhtpUPyOecd61f8Aglv4F8RaLrHxig8Y6Ld6TNf3IWaOaEorM+RIF9cbq/QmPQ9Ot5PNisbdJDjLrEobj3xmrKxRpIXWNVZiWO1QMk9zjrQB+V+k6b8Tf+Ccnxw8R3en+GLzxd8NdeuJJSLJS7cncG46FenTpX0d8Cf2/L347/FbRPCum/DvV9MsLrzDealexsqQBYyQOR13fpX2DcW8N5F5c8STx91kUMD781Xs9HsdPk321nBA5GC0UaqeuewoA/O/9rb4Q/Ej4F/tOQftCfDfS5Nds5wv9rWEI3MuFCFdvoyjr61uQ/8ABVKW4t3gt/hF4hl1xV4tRE4XzCMEZx0zX3/JDHJDsdd67cHcM5+tUIfD+lpMZl0+1SQj7ywrn+VAFD4ceKLvxp4D0PXb/T30m91C1WaWxlPzQs3JU/Sq/wAV/Ck3jj4ZeKdAtmC3Wo6fNbRZOPnaMhf1xXUhVUYUbV7AAYHGOKGVWznvQB+SH7Kf7VXiX9i3wvqXwz8WfDnV7uS3vpJYLiGJ/m3E57EEcDHTrXtv/BTrRdc+Inh34J3+j6NeXqtrMV1LDBEWaAOinD46Y4r7yutD06/nMlzYW0zE5JeJST+JFXGtYXRUaJHVegZQQPegCl4ajMfhvSlKsGW1hBT+JSIxx9c18Df8EzfCOr6B48+NQ1jRryygu9Sm8trmMoJVM7/dz1yMfnX6FbV59/wqOO3hhYtHEiMcglUAzk5545oA/Le40f4kf8E7v2gPFWtaR4YuvGPw58RXDSf6PHlgHk8wnAHyspJA9R+deveG/wDgpdeeMPEmk6Lofwp117i+uobd5pUZUt1ZwrMflGcZz+FfdU1tDcx+XNEsqYxtdQR+VVbfQ9OtXDQ2NtC3rHCqn9BQBehbvjaTliO4zg18Pf8ABW3w3rHib9n3SLXRtNutTmXVFdo7WIyMF29eK+4uOMdjkVFNbwyx4ljWVQOkihhwPSgD4j/bB8bTfDL/AIJ62Vi7Pa6pqWmWenrA4KnJC+YCPp2r3D9ijwCfhv8Asy+AdKkRUm/s8XMhHGWkJkBPvtYD8BXNfti/so6j+09/wh9pD4hGlaPo199qurN48rcgEHHt0xX0Ro+mpo+m2ljEqpb20aQIqj5QFXHSgD4g/br/AGQ/FGteOtL+NPwqdbfxrou2WezjGGnZB8rj+8cDGO+a4fw7/wAFSPGfhnQ/7N8Z/CjVJvE9uoieS1hZUeQcZxg/zr9JCFbrk/jVC50DTLqTzJdPtZHBLbmhUnP1xmgD8yPDvwt+LH/BQr4zaV4s8f6afC3w00S4Eltp8ikGYDBKorddw4LdBnpX6f6bp0Gk2FtY2cawWtvEsMaIMKqgYAA+lPt4o4YwkcaxqBwqjAH09PwqQ4YAHkCgDw/9tbS7zWP2YPiDZ6dbSXl3NpsqRwRLuZifQd+BXC/8EzdD1DQf2VdCtNUtJrG6W5mzBcxlHHPXBr6pkjSRSHUOOOGGRxTYYYreMRxIscYOQqqABQBIy/KcDLY7k4r4P/4KjfB3xP4u0vwR428M6bNrn/CL3by3dmnP7s4IYKByMjn1FfeHFMkjSSMxsNyEbSrAEYoA/NnXv2/PFnxQ+G934B8G/CHWG8R6hprae0lxCyxQq0ZRmHA6ZyBXXf8ABN34VajefskfEHwd4m0y60qXV9UvLSWGePZIqyQKhYZ685/Kvu+30yysZPMgs4IpD/EkYU/mKkSNI+I0WMZz8igc+tAH5T/Av4u/EP8A4J46zr3w98WeB9S1vwnPeyXFhqFnEzfO2BuXGeCoA+veue/aK+KXxJ/at+IHw68URfDnVdI8GaVq0SWBMDGV3ZlMrMMcKNvev10uNMtLzAuLaGcDgeZGGwPQZFTraW8caxrCixqchFUBQfXAoA8L/ac/aI1b9m/w/wCG9S0/whe+LdOunaC6Fkp3wIEDK+PrkfhXw/8AtKftTah+2T4QtPAPg74UamupXt+jtf3lqV8jaRhQSOMmv1VmtYLmPy5oUmi7xyKGB9uaq2uh6fYtutrK3t3/AOekUSq36CgDhv2bvhzffCP4F+C/B+pTi6v9JsEguJQSQZMZ7+xxXpVMwOMDGOnsPSl4oAdRTeKOKAHUU3ijigB1FN4o4oAdRTeKOKAHUU3ijigB1FN4o4oAdRTeKOKAHUU3ijigB1FN4o4oAdRTeKOKAHUU3ijigB1FN4o4oAdRTeKOKAHUU3ijigB1FN4o4oAdRTeKKAI8ijIqLd70bvegCXcKQkGo93vRu96AJd1DN8p+lRbvejPvQBl2PhfSLHU59Rt9OtYL+4GJbmOJVkbOMksBkk4FbHB68/jUXSl3e9AEuRRuFRbvejd70ATbqTIqLd70bvegCXIoyKi3e9G73oAlyKMiot3vRu96AJcijIqLd70bvegCXIoyKi3e9G73oAlyKTio93vRu96AJOKOPWo93vRu96AJOPWjj1qPd70bvegCTj1o4qPd70bvegCTj1o49aj3e9G73oAk49aOPWo93vRu96AJciqOsaLp/iCxez1K0hvrVzkwzoHXOCM4PfBP51Z3e9G73oA4TTfgD8OdJvGurXwbpEVw3WT7KpPXPpXewxRwRLHGqoi9FVQoHoMDim7vejd70AS5FGRUW73o3e9AEuRRkVFu96N3vQBLmo2Y0m73oPNADlan5FRbqN3vQBLuFGRUW73o3e9AEuRRkVFu96N3vQBLkUZFRbvejd70AS7hS7qh3e9G73oAl3Cl31Du96N3vQBNupMiot3vRu96AJcijcKi3e9G73oAlyKiuraC+gkguIlmhkBV45BlWB7EUbvejd70AU9F0DTfDtqLXTLKCxtgBiK3jCKPfAHU1o5FRbvejd70AS5FGRUW73o3e9AE2/PFJkVFu96N3vQBJx60uRUW73o3e9AEuRRkVFu96N3vQBLkUZFRbvejd70AS7hRkVFu96N3vQBLkUZFRbvejd70AS7hS7qh3e9G73oAlyKN1Rbvejd70AS7hnOeelJ+PJ6n1qPd70bvegCXIoyKi3e9G73oAl3Cl3VDu96N3vQBLkUZFRbvejd70AS5FGRUW73o3e9AEhwaOKj3e9G73oAlyKMiot3vRu96AJdwpd1Q7vejd70AS5FGRUW73o3e9AEuRRkVFu96N3vQBLkUZFRbvejd70AS5FGRUW73o3e9AEuRRkVFu96N3vQBLkUZFRbvejd70AS5FGRUW73o3e9AEuRRkVFu96N3vQBLkUZFRbvejd70AS5FGRUW73o3e9AEuRRkVFu96N3vQBLkUZFRbvejd70AS5FGRUW73o3e9AEuRRkVFu96N3vQBLkUZFRbvejd70AS5FGRUW73o3e9AEuRRUW73ooAj3Ubqi3UbqAJd1G6oPMpd+elAE26jdUW6jdQBLuo3VDvpd1AEu6jdUO+l3UAS7qN1Rbqb5lAE+6jdUO+l3UAS7qN1Rbqb5lAE+6jdUO+l3UAS7qN1QeZR5lAE+6jdUHmUeZQBPuo3VDvpd1AEu6jdUW6jdQBLuo3VFuo3UAS7qN1RbqN1AEu6jdUO+l3UAS7qN1RbqN1AEu6jdUW6m+ZQBPuo3VDvFLuoAl3Ubqi3Um+gCbdRuqLdRuoAl3Ubqi3UbqAJd1G6ot1G6gCXdRuqLdRuoAl3Ubqi3UbqAJd1G6ot1G6gCXdRuqDzKPMoAn3Ubqh30u6gCXdRuqLdTfMoAn3Ubqh30u6gCXdRuqHfS7qAJd1G6ot1G6gCXdRuqLdSb6AJt1G6ot1G6gCXdRuqLdRuoAl3Ubqi3UbqAJd1G6oPMpd9AE26jdUW6jdQBLuo3VDvpDJigCfdRuqDzKXfQBNuo3VFupN9AE26jdUW6k3igCbdRuqLdTfMoAn3Ubqh30u6gCXdRuqLdRuoAl3Ubqi3UbqAJd1G6ot1G6gCXdRuqLdTJJljyWZVA6lqTfKr9AsWN1G6qX9oQL1mj9xuFJ/aVv/AM94v++xU+0h/MHLLsXt1G6qP9pW/wDz3i/77FH9owdpos/74pe0ha/MHLIvbqN1Z0usWcMZkkuoY4x1dpAF68ck+lVz4o0nBxqtl/4EJ/8AFVd+ZaBqtzZ3Ubqyo/EOm3Exjgv7WU4JULOpJGPY1LNrFnbjdLd28KZ4eSVQPpyetTzRvy31GjQ3UbqyP+El0raSNVsf/AhP/iqlttc068mKQX9rOVPzLFMrED8DRKSgrsTNLdRurLbXbCFQZ723hJA4kkVRnnPJP0qMeKNJz/yE7L/wIT/GnFqWqA2N1G6suHXtPuP9VfWsjBdxVJ1YjnBzg0XOuWFpzLe28YxkeZKq57cZPrU80U7XA1N1G6sVfFWkswX+0bQH/run/wAVU1vrtjdBjDe28wA/5ZyK3Pvg1TaXxaIWpqbqN1Zs2uWFvgS31tGWXcN8yrn16moP+Eo0jvqdn/3/AE/+KoTT2YzZ3UbqzI9csJ0Zor22lVTt/dzK2fyNEuvabbtia/tom6hXmVSR0yMn1qVOLdkxcrNPdRurH/4SjSN2P7Ts/wDwIT/4qpodasrlN8V5bypnG6OQMM+nBpuSXULM0t1G6subX9Ot5PLlv7WFyMhZJlBI/E0n/CRaX/0E7Me5uEx/6FVK8g1NXdRurPj1izuI/MhuYXjPRlkDD8xS/wBqW3/PeL/vsVHtIJ2chqMmX91G6s7+1rb/AJ7xf99ij+1rb/nvF/32KXtYfzIrll2NHdRuqgup2zMALmEk8D5xVhZVkUOh3KelOM4ydkybNbk+6jdUO+l3VpsBLuoqLdRQBBvpd341AWODjrUV5f22npuubmK2XdjM7hAc+hPegCv4k8SWHhHQb3WdUm+z6dZwmaaXrtUAE15l/wANVeBJP9XdXpYkbV+xv8344pf2kNf026+BfjSCHU7N5HsWRYluEJJLKcjn0pfDmoaC2jaYftGm/JbxBhvjOGCDPegD0HwP450r4h+HLbXNFmNxp1wSEkIwSQcHj2rlfHX7QXhH4e+JG0PVrm4GoJEszxwQNIVVvu5x61yP7K+vaTB8ILJDqNmgW7uQq+eij/WHPfisq31TSX/aM8b3E93YyxNpOnxo8kkbbiASQCT1zQB3nhH9ozwZ4y8RWei2N5Ml9dhvJjuIGj8zaATjI9CK7rxV4o0/wZoN7rOrTfZ9Osk8yeT0HrXz7401DSrf40fCe4hurGONLi+VmWRF4MKcHngcHrXZ/tM65pt58DvFkEWoWk8xgAVFuEyT5gPr6UASR/tU+BG25uL49DlbNyMYyTnFej+DfGWl+PPDlprmjz/adNuVzHNjGTnB49q8902+0B9Ft/8AStMVRbqMmSPC8L71j/sr69pln8F9Jil1CzikWS4OxrhAQDKffpQB1njT4/8AhLwH4lfQdVuJxqccaSyRQwl9isMgkio/Cv7Qng3xl4gg0PTr+UancKzxRzwOm4KAT1HPU15zpOpaRcfHr4hSXF5p8yG0sEVpZoyCQhzgk07xPqOkQ/Gv4ZtHeaeu1bxXljmjAH7scHBoA9z8ZeMtM8A+HrjWtanNtYWwHmyAZ68DA+teeD9qrwKwc+dfALn/AJdH7DrnHSsb9rHXtPvPgrrUMV9bPM0kICrOhLfvlOevpXQSahoMelY+16WV8jj97GRyq8Y9aAPQPCXi3TvG/h+01rSZvtGnXS7opcY3DOMY+tcd4q/aE8GeDfEN1ouo38zahahDLFb27yFdwyOgrm/2YPEWlW/wX0INqNrFt87CtOikDzj71zHgvVtJb43fFKSe7smzLZKkk0qEECI5wSfWgD0zwf8AtBeDPG3iCHRNNvpjqMqF0inhaMuBnO3I7DFdb408Z6X4B8O3Ot61P9l0632h5MZ69OK8J1nVtGt/2h/hvcW97YRQraX4eSOZAF+RQobB6nmtn9qzXdLuvg7eQrqNpKXu7VSiXCHdiQH1oA1D+1Z4GXO64vARnI+yv8oAHJOPrXpnhXxZp3jTw/Ya1pFx9q029j82KYAjcM+lec6tfaA2n3yi60o74Sm3zY+u0n+VUP2Yde020+BXhGKXU7KGSO2fKNcopX52HTNAHReKv2hfB/hHxFeaHe3czajaAGWOGFnC55HIHpR4R/aC8JeN/EQ0TTbuYX7xtPHFNAyF41IDEZHbNeb+DtS0eT4t/FNpruxYfbbco0kyHI8ojgk+tW9Q1DSLf9ovwXJFf6fHGujX4aaOdABkphTg+1AHsfjT4g6R8PfD9xrOt3H2exhKgyKpOSegArhG/ar8CR5Lz3yhTg5s3x9c46VgftTa1pdx8L4o49RspG/tK1LIk6En94OetdBrV9oLaBqBF1pZP2WQ4E0RyCg4xQB6Z4Y8S2PjDw9Za1pcn2iwvY/NhkxjIzXBeKP2kfBHhHxFd6Lf305vrVtsywW7ybWx04FZ/wCzr4g0y0+CPg+GXVLJJlsQWRrlFK/M3bPriuP8C32j3XxM+J8z3lg2dSj2NJKhypTsSfWgD0zwT8fPCHxA1waRpN7I1+0bSpFPC0RdV+8Rkdq6Xxx450r4eeHp9a1uY2tjCVVmC7iST2ArxK4vNKs/2k/Bs0V7p8cK6RfBninQKDu4BweuK1/2otb064+G1rAmoWcjtq1nkCdGz84Pr0oA12/ao8CxKTJPfKVAJ/0RwPzxxXpfhvxLY+LNDsdX02Xz9PvIlmhlHG5TXl/ifVNAfQdWjjvNNYtbSBP3sZP3Tx+lO/Zv17TLX4F+DoZdTso5ksVBV7hFK8sPWgDS1/8AaM8G+GfEN7ot5eTNf2JC3CwwM4DH+HgelXPBPx48KePtd/sbSrqZ9S8ppvJlhZDsBxkZHNeUfDnVNIm+InxTlnu7Fi2tgI00qEsuzsSelan9r6Ra/tI+FWiv7GKI+HrotLHKgXJlBAOD1oA9g8f/ABF0X4Z6A2s69cG1sQ6xh1UsSxxgYH41wy/tVeA9pLXV4gAyWazcAepzjpXO/tXa3pl78PdISK/tJ86/Zfu1mRsgSHk8+mK2PGOqaB/wh+vbbnTm3WFwFw8f/PPgdetAHrHh3xDY+KtBstX06XzrG8iWaKTGNymvP9c/aQ8E+Hdd1DSLu+ne8sJBFOIbd3Ct1xkD0qD9n7xFpcPwT8GRyanZq40yMMjXCKVxnrz71wfwp1LSZPGHxMkubmzbdrpZfNkQ5XZjgk9KAPU/Avxx8K/EPXH0jSLyR9QjgNwYpoWQ7A2CRkVv+PviBo3w10E6vr07W1n5qwAqpYs7HgAD6GvF9P1LSrf9pzSJob2xih/4R24R5EmRV3GUEA4PXFaf7UGuaZe+E/DkY1Cyl3eIrJipnRvly+SRnpkigDTk/ay8Bw7hJPfRlfvM1o+0epzjpXqmha7a+I9IstTsXL2d5Es8DH+JCM5ryT4jX2h/8IV4q8u407f/AGdcldrxkjMZwBzzW18DfEGl23wc8FpLqlirpo9tuRrhAQxQEZGevBoA9Q30b6qWt7DfJ5lvPHcRZPzwurqfxB6g1Nu96AJd9G+ot3vRu96AJd9G+ot3vRu96AJd9G+ot3vRu96AJd9Y/jTxhpvgPw1fa7q8jQ6fZjMjKMk5IAwPqRVq81a001Y3uruC2RjhZJpFRWI6gZxXjv7U3iHS7z4D+J4YdVspZmSBRGlzGWJ+0Qkn73oDQBp/8NReEtpb7Lq20c5+xNjAHJr0DwN460n4ieGbXXdFmabT7reI3ddpBVsEEfga4lvEehtooC6npKxfZRw1xFkZVe2a5f8AZU8RaRpfwY06OfVLCJmurtxG11Gpx58mD19xQB2Hi39oLwv4O8UXWgXX2251G2VGljtYC/lh1BXP1zTfDv7QnhjxN4mtNBt/tlrf3ZbyPtdu0aNtGSAT1OK8z8P61o8n7RnxOmk1XTnje205VkaePDYTB2kntipfGviHRF+MnwoaLU7ACG7uvOdJ49ozAQMnPrQB754s8WWHgrw3f65qkjR2FnF5sjKMkgEAgD15rzWH9qnwlJCsgsdaYMoYBbFvxOfTFRftIeJ9Hvfgr4mih1ewllaOMBUuoyTmZDx83pVvSfFmhJo9ko1TS1QWiY/0iL5QE+vWgDvPBPjrTfiB4btNc0dnl0+53BGkXacqSGGPUEGuV8XfH/wz4L8UTeHr0Xs+qQxpM8drbmTCsOOlct+zL4m0i1+EVhFNq+nwv9rvP3bXMYwDcSEEc+hrn4fEWj/8NKeMZzqenMjaVaBXa4jxn+IAk0AeieHP2ivCviXxHp2iQC/tr/UC6wLdWxjDFRnHPtXceMPFlh4H8N3uuas7RafZJ5k7INxA9QO9eD+Ote0Vvid8J501TTTt1K6EjR3EfygQEckHpmun/aW8U6LcfBDxYker2MjG2x5aXUZY/OpyOfQmgC1H+0/4Vkt1mW01d0ZQwZbJsEEZBrv/AAJ470r4ieGbXXNHkaWzuCyrvXaVZSQwI9eK4bwv4g8Px+GtD3alpaEWMGQbmL+59awf2Y/Eej2Pwykik1Wwhb+1L7CNdRg4M7bT19KAOu8Y/H/wx4J8TXGg3hu7nU4I0kkgtYC5UMOM4qDw7+0V4W8SeJNO0SGPULO81B2S2+22rRq7Bd20E9TXm+j61o6/tKeO7k6rp7+bp1pske4j27R1AJPWp/iF4g0mT4mfCaRdU07bHrEpZkuIyFzbnGeeB/WgD37xF4lsvC+iX2ragzRWNnGZZXAydoPOB34rzBf2pvCUkcUiWursjpvDCybBGM5FT/HvxRo83wZ8VomsWEkhsG2qt1GTkEnjmqfgvxJ4d/4RHRHOo6YuLKEHdcRZB8sE8Z9TQB6J4F8f6V8RvDcOu6M0jWMrvGPOXawZW2kEfUGsDxl8dPDfgjxEdFvReT6gIhOYbWAuQh6GuM/Zn8SaPa/De4jfVbGPdrF8Qr3EYG03DkfxehrHl1/Rpv2jNbuG1KxMX9gW6iRp48Z39Ad3WgDvdB/aM8Ka/wCINN0WNb+1vdQcxW32q2ZFZwu7bk16B4i8QWXhbRb3V9Ql8nT7ON5Z5MZKovJOO/Ga8B+Jmu6P/wAJx8KJY9QsdsfiOTe0c8Z2r9nIGSDwM12f7QXibR7v4J+NYYtVsnkfS5lVUuYySdpzj5qAKsP7VXhO4hjmjs9WaGQZWQWbEMP7w9sV6D8P/iFo/wAS/Dia1oczXFm0jxZddhV0OGBB715v8PNc0dfAvhqE6npaP/Z9uu17iLIPlID1Prmsj9lPxFo1n4B1iJ9UsIiNf1AhXuY1yplBHGf5UAd/43+O3hrwD4oGgah9sm1PyVuWhtYDIRGcjPHuKoaD+0d4T13XbDSU+32t3fOUt/tVq0asw525PfFcFea7o837UGtXR1PT2gHhm3UStcR7c/aH4BJ68iqfxO1zSbrxh8OJItT09lg1nzXKXEfyp5eOSD60AfRniDXrbw3o19ql4xWzs4nmlZRkhVGScfQGvMIv2ovCVwqGK11eRXTerCybBHXOfoau/HHxZotx8IPGqQ6xYMzaXclVS7jLH923A+asb4f63oTeBfDinU9LVxYwA7rmIFf3SA5BPrmgD0XwF8Q9H+I+jjU9GmeS33FSsqlGUg4IPvmsPxx8cvDngPxFDoeoC8k1GS1F75VrAZCIixUHj/aFcL+zT4k0ePwz4hU6pYRbtcu9im5jU7S4xjnpWfq3iDSZv2nJ501TT2Q+E44/NNxGVz9qc7cluuDQB22m/tKeEdS1qx0sjULO5vZ/s8BurZkV3P3RXpOraxbaJpd5f3jmO3tYZLiR/RVGT+gr5w+LmuaRJq/w6K6jp7uNfiYsk8ZwoAHJB4Ga9T+LvibR7j4V+Lkj1iwZzpVztC3UZP8Aq26DdQBiQ/tVeEblFeG11aSNxlWSyZgw7EH05ru/hx8StE+KOivqmiTSywRzNbyLLGUZJF+8DmvOPhjrmjr4E8LRnUtMUrp9srbp4gQ2xM9/UVkfsx+KNGtdL8bo+p2USf8ACTXjLuuI1G0kYxz0oA9H8efG7w78PtctdG1A3U+pXEJnWC1gLkIOMnHvWRpf7SXhPUtc07Sj9vtbnUJvItzc2rRqz9lye5rjdZ13R7r9qKOZtS08xf8ACMHaz3MZUH7RjAOeuBWV8Ztf0ibUvhwkWo6cXTxHA+6O4jJVcDOSDwM0AfSesatb6Hpd7qN2/l2lpE88r4zhFUsT+QNeTQ/tT+ErnDQwarLEV3LJHZMVYccg/ia6P4oeLNEm+GviuNdZ08sdKuQFF1GST5DcY3Vx/wAJ9a0Nfhv4Ujl1HTBJHYQbt1xEDnYuc8+uaAPRvh38SNJ+JmjPqekPJ5McxgkjmjKujjqCK6rfXz9+zr4o0W1ufiATqdlFv1+RlVriNQV2YyPm5H0r3Cz1qw1CR47S/tbqROWWGZXKj1IBPegDR30b6h3+9Lu96AJd9G+ot3vRu96AJd9G+ot3vRu96AJt1cF8aLqW38GyGKRo2eeNCVODhjg12+73rz342Pu8Gn/r5h/9CFefj9MPJo0p/Ec6vhu2VfvTE7RyZTz0p3/CN23rL/38NX93H4D+Yo8yvz6FSfLueizP/wCEdtvWX/v4aQ+Hbb1l/wC/hrQ3UFuDSdWdnqKyueO/Hbwva6vqnw10a4e4Gn6l4khtbqOOdl8yMg5U4PQ4r0j/AIY5+GPONJuB9LyT/GuL+MX/ACOXwj5/5mu3/ka+nd3zH8K+4yublQVzz8Ro9D5E+KXwQ8M/C34pfCT/AIRqG709dV1ea3u1+1yMJE8vOME1a+LngnTvEnxP+EuhX3nvpupajfx3UKTuokWOIFc4Pqa7P9pKTPxS+Bv/AGHpv/RVY3xAb/i/HwWXPC6pqeP+/K0qiccdFJ6BFe5c65v2OfhkSf8AiU3A78Xkn+Nea+Nfgr4b+F/x8+FFt4bS8sINU/tP7XH9rdhL5cKlMgnsWNfWLPya8E+OEm79oT4KZ9NXP/kBK7sd/ClYxjrJJnE+PPhxpHjT48fDHw5qi3EmkXtjqk89vHcugd41BRjg9q9IP7Gvww5/4lV1/wCB0v8AjXN6i3/GUPwk/wCwXrP/AKAK+j91LCNujFsqW58m618HfDnw4/aE8LaZoUV1a2WoaTeSXETXTuGZGUr1PvRqvwx0X4hftD6VoGtrc3OmJocs6263LoN/mDB4Ndn8VGz+014E5/5gl+f/AB5ap6Fx+1hppz08NyH/AMiV5nvPG8t9C7LludMP2OfhipB/saYkd/tkuf515npfwp0T4fftG6vo2hi7s9NPh+K48g3Tuu/zCM8k9hX1tu+XPevnfxBJ/wAZUawfTwzF/wCjWrvzC/1fRip7nGaX8KtC+JH7S/ibSNeS5utOs/D1pNBbrcuiq7uQx4PfFenf8Mb/AAw/6A84+l5J/jXPfDBv+MsvGfP/ADLNh/6Mavond1FaYVctGJU9z5G8F/C3Q/Bf7Q3xE8O6Wt1Do9vo1hdRWr3LuscjsdxGT7VY8J/Bfw18Svj18QrHxDDdXtrptrpwtYvtUirHujYscA9TgVvwSH/hq74onP8AzL2lf+htWt8GX/4yM+K2T/y66X/6LevOw+uKmmaS+C5rf8Mb/C7g/wBkT/8AgZJ/jXmPwy8CaT4V+LXxQ0PTvtUGl2U1oIIWuHYJvTc2Mn1r61Vs7R25r5n8LN/xfr4vZ6efYj/yEa0zFNUXNOzJo6uzMb4cfBXwt8VviJ8TG8Q29zef2fqqQWwF3IojTy8kAA16Sv7G3wx6/wBk3B/7fZP8azP2azn4g/F721mM/wDkKvfgw5r1KTSpq3YiTak7HyZ8EvClppGqfEbSLd7j7DpniKS1to5J2bZGEUgZJ969Q/sG3/6af9/DXCfCVs+L/i0c/wDM0zH/AMcQV6Tu96+ExUpyrSvI7qa90zzoNv6yf9/DR/YFt6yf99mr273oDc9a4/f/AJjRlD/hH7ZgATJz6SGu5+Eczt4PiV5GfZNIoLHJxXKq33Oa6P4TNt8Jrj/nvIf1r3so5/atNnJX2ud1u96N9Qq+aXd719elY44ku+iot3vRTKIvMrw39ovTLbxF4m+G2k3yNLp11qc3nW4dlV8ICM4Pqa9q31458cG/4uB8LvbU5/8A0UtAFST4B+A7hGjm0GKaIjayPI5DDAHPPtVTVv2dvA99prW8eki1+7iSKRgwweO9ej7+W+tMmbchBOaAPG7f4WeFvCMQg1bwtbvbBtovbNnVAD03IDx7muhtvgj8PL9je22gW0hkRQZ1lbBA6BmzXoXyTQlZEWRSMFWGQfrXL3nheSzuftekXDWU+cvD/wAsnHcbaAOR174B+Hxqh1Sy0eC9ZAP9EmcgjHXY2eMjirGl/DH4ceJoWt5PD0bP0ltbl3U5HsTyPeup0/xo8EiW2txfYL1jtWRv9U47Ybpn2q3rGh2+uRCWMvb3GQ0d1CBv/wDrigDjNY/Z18HahaxQ6fpcdnPC/mL+9YqcdAeelUtB+F/gNbxtL1Hw7b6feKSUiEjKje68/pXX2niC+8OtDba4qyRE4GoxfdA7Bx29zWrrWj2vie3jLMrfLuhuoiMoezBsdvSgDm2+BPgJZmlfwvb+bIPmk8xsuMYBJz2pG+BfgB5FlPha1MqDCSeY+5MgA4Oe+Kvafr954dYWXiB8w52w3+MqfQGuqJG0Orqy4BypzjPT60AcNcfAzwJefLP4bilQ4BV5XIOPUZqb/hR/gQdPDUAOc58xvTHrXZiQ+v6U7zj6/pQBw8PwJ8A2sKQw+GoIYUGFjjlcKOc+vrT1+BvgJWlf/hGbffKwaRvMbL4GBnmu184+v6UnmH1/SgDif+FEfD/zllPha1Mq/dk8xty+uDmkuPgT4Au02T+GLeePO4xySuVJ/Ou38w+v6UeYfX9KAOJ/4UZ4D7+G4Seu4ytnv7+9LH8C/AEMYii8L20US/djjkcKvOeOa7bzj6/pSeYfX9KAOHb4C/D4ySSDwtbJJJzIyyOC57E884pI/gN8P4545x4XtzNGpVZDI24A4yM59q7nzD6/pS+cfX9KAOEn+Avw/uoyk/hi3mU9RJK5HHQ9adF8CPAULZXw3DnocytyPQ813PnH1/Sjzj6/pQBw0fwH8AQxiOPw1BHGowqLK4Cj0HNJD8BvAEE00ieGLdWmYNIRI3zEDAJ5rufMPr+lL5x9f0oA4f8A4UP4A85Jv+EYt/OQELJ5jbgD1AOaJvgT4CuYwk3huGaPIO2SViMgcHr1rt/MPr+lL5x9f0oA4r/hR/gTnPhuA/WRvf396jj+A/gGGOKOPwzBHFHwkayuFA9Otdz5x9f0o84+v6UAcN/wob4fruK+GLeNn++yyMC59Tz1oX4D+AFuFnHhm389VKLJ5rbgp6qDnpXceYfX9KPMPr+lAHESfAnwHMoWXw3DKoYOA8rEZAwD1pX+BvgSQEP4chdT1Uytj+ddv5x+v4UecT0/GgDiI/gV4ChRI4/DkMUScLGkrhVGAMDnpxTY/gL4Dt2lePw3CjSv5j/vX+Y4xk812V7qlrptobm6nSKEd3OCfoO9YM3iDVdcjaLSYTbwAjF1N1I9QKAMDVfg/wDDHQ9l5d+HreK42eWrCVzIRnOBzWDP8HPDni6PyYPDMFnpykFZbp2LtjuvPBr0DR/C0FlI1xdsb68c5Mspzj6DoK3t3AxhcDHAoA4G1+Avgq30u3s5NHFxHCpXdJIxJz1zzzVy1+BfgePEaeH4YkAAASRhgAYAAz0rsC57nNSwyHzhQBy37NVnDpGneL9MtU2WNpr9wkMRO7YMg4BPNe0eZXjf7PjYk8d/9jDcf0r13fQBP5lHmVBvo30AT+ZR5lQb6N9AE/mUvmfhVffSeZQB4d8fdHtPEnxK+Hml6lF9rsJXumeB2O1iFyM1LN8CfAV1EYpvDdpLETlkfJB+vNO+ML/8Xi+HHsbv/wBArtd1AHCt+z78PZOT4atN397n/Glj/Z9+HkMYji8L2UUQJIjQEAZOTjmu8Vqd5ntUt2C1zz9v2efh2zM58L2W9urYIJwMDJzUf/DPfw7EkbnwvZtJHnY7Akrnrg579K9E3H0pjZzSvfcOU4JvgF4AkhMUnhm0liIAMbgkHGMZ59qjP7Pfw8OP+KYtPl6deP1r0DdRuo0Dl8zg7f4A/D+0hWKHwxZxRr0VQQOeveo5P2e/h5LK0r+F7MysArSYO4gHIBOa9A3UbjT9A2OA/wCGe/h15iSf8IvZl4yTGSCdhPXHPepJfgJ4BniMUvhq0kjYYZXBIbgdefau75o3UXuBwC/s+fD2MAL4YtABjAG7sMDvSw/s+/D22jMcPhiziQkttTIGSST39677dSb6qIHAt+z78PXfe3hezZ+AWwckAYAJz0FC/s+fDxJFdfC1kHUkq2CSpIwSMnjjiu98w0u+nyi1OFm+AngG4UrL4atJEPBRskHnPTNRD9nv4ejbjwxaArwMZGOnv7V3++jfU6dw1ODt/gB8P7OFYYPDNpFEGZtiZAy3U9aST9n/AOH8snmN4ZtDJjG/ndjsM56Cu930b6dk+oanBf8ADP8A8Pxt/wCKatSVOVJySDjBI54JFPk+AvgGZXSTw3avE+Q0bbipz2xmu58yl307Cu10OAH7Pfw8XbjwxaLtAAxuGADnjmpYfgH8PrZAsXhmziUEthARyeveu63Um73oGnc4WX4AfD2aQyP4Ys2kKeWXwclc5Azn1pn/AAz58O+P+KWsyV+6SCSv05ru/MNHmN60gOJk+Avw/mVlfw3aOjAgq2SDn2zUf/DP3w9X7vhi1X5do25GB+dd3ub0o3P71XKO6OGt/gD8PrWNo4fDNrFGx3FUBAz69ajk/Z7+Hctx57eF7Qzbdm/5s7fTOeld7uf3o3P71OjCyfU4Nf2evhyrKf8AhFrMlWLruydpPpzVh/gT4CkVkfw5aujAgq2SCD2612m5vejc3pRy+YcvmcH/AMM9/DsKFHhi1AHAxuGB6dadB+z/APDy1UiLwvaRgnJ2hhk+p5613W5/ejc3vRsGxwkn7Pvw8kkDnwxa7wNofB3AZJxnPTJprfs8fDlmR28LWjMjb1LAnBxjI5rvfMPrTfMb1oA4tvgP4BkJ3+GrVw3VWyQfbrUK/s8fDlQFXwtagABQAWHHp1ru/Mb1p273NAHDr8Afh5Cu2PwpZopcyELkZYjGTzzWd4H8J6R4D/aPhs9Bsl062uvDXmTRxs2HbzzyQT14r0fd71xVnIf+GmtPOf8AmVz/AOjzQB7kG5p/mVW3+9O30AT+ZR5lQb6N9AE/mUeZUG+jfQBP5leffGpv+KNP/XzD/wChCu6315/8aZD/AMIaf+vmH/0IVwY7+BI0p/EU93y/gP6Um41Fv4/Af0pfMr89SXKekSb/AHoL8Hmot1JurIOp5v8AGJ/+Kw+En/Y12/8AI19O7jn8q+VvjXfQWPij4UXF1LHb28fii3eSaRtqoNvf05NfQA+JHhgkf8VFpn/gXH/jX2+VtLDrU87EJtnlX7SLf8XU+By9v7cnP/kEf41jfEBv+L9fBn21TUv/AEStJ8fvFmj6x8V/gkLHVLO7ePWpy6QTrIyjygCSFJ44FU/ifqVrpfxw+Dc95cQ20K6nqOZpZAqDMK4ye1Zzm3j4u+hUIvk2PqEv1NeAfHOYx/tB/BYjsmrnn/rgletN8QvDO8ofEOl5/wCvuP8Axrwr4weKdI8QftCfBpNL1K1v3VNYDLbyiTb+4j+9tzjnNehjpx9lKzIhB82xe1Bv+MnvhKf+oXrH/oAr6P3V8v8AibWbLQ/2l/hRcX91DY239mauPMuJAgGVUDJOOte7f8LK8Kjn/hI9L/8AAtP8aeCkvYRuyZxd3oeV/FJs/tNeBD6aHf8A/oS1T0N/+MrtO/7FuT/0bVXx94h03XP2lvBTadf2t75ehXxb7PKJNuWUgEr3NVrXW7DRv2pNMudQvYLC3bw7JGstzIsas3mZwMn0rzPaNY26Nbe5qfUJk6DtXzx4gbP7U2sn/qWof/RzV7A3xC8MZP8AxUWl8D/n8j/xrw651uw1v9qDWn06+tr9P+EZhBa1lEoQ+c3DFeld2PlF0bNk0Y2lqWvhi/8Axlj4z/7Fmw/9GNX0Vv618x+Bdc07RP2q/GEt/fQWUcvhuzWNriRUB2yNnkkZr3VviJ4Zwf8AioNLz/1+R/4104WUPYx1FNNSZ4ta4b9q74nD+94e0v8A9DatP4OP/wAZHfFj2ttL/wDRb1zui6xZat+1J8TLmwvIL23Ph/TVEsEgdMhz/EOOM1a+GfibS9B/aO+K39o6ja2Be20zatxMqZHlOcgkjP4V5mHa+uTd9DWSbitD6WVvmWvmjwu3/F+Pi4f+m9j/AOijXtq/ErwxuGNf00nPT7ZH/jXgngXUrXVvjV8WbuyuYbu3a4sgJInBUnyyCARnvW2ZtewsnuKjF82x1X7Nb4+IHxeP/UZi/wDRde9b8tXzb8A/E2k6D8RPi1HqGqWdm76tE4W4mWMkGPqNx5r2z/hYnhjtr+mE9h9tj5/Wu3DuKpq76GUovnZ4Z8I2/wCKu+K/v4om/wDQENek8+teUfBnUrXUPE3xXuLS5jubY+KplSZDlX+VQNpBOeB1r1Hca+IxN/bSuelC3KSFqN3vURY9aTea5iyYNjHtXRfChv8AilR7TyfzrlvMPFdF8KX/AOKV/wC28n86+gyf+KzixPwndK9O8yqyvTt9fXHDHYn8yioN9FBZB5leOfG58+P/AIYH/qJzf+ilr1vzK8d+Nj/8V98MP+wnN/6KWgDt/MO4/Wh2FVmk+Y/WjzKAJt/ak3e+fxqLzKPMoAZfWVvqVuYbqJJ4v7rLnH0rnho+o6DmTSJ2ubMcm0nYgj2U10m/2pN5xjccUAZOm+ItP1xms50ME7qQ9rcgAn1wO4qmuj6l4fkll0GbMBO57Gbof930rS1bQ7LWgftEWJf4Zk4dPoay1utb8MKUBOrWA6MeJUH9fyoA0dN17TfE0ctpcReXNg+ZZXAwc9yAe3vWVNcX/gtvN2vfaCMgcZeDPXjuBU8y6V40ile3f7Pcw4Pmwj96jD1FV11y60Bkg1v9/a/6sXyDK88AMvb3NAHU2eoQahbxz28iyxSLkFTnH19Kk8wiuPk0W50W4bUfDsiyxyfPNZ7v3UoPdT2Nbmj69ba7bO0beXcxMElt5Bh1PuP85oA1PMNL5lQ8djn1pd1AEu80bzUfmUeZQBJvNG81H5nrwKFk3KGHKn2oAk3mk801E0mGK4J5IHHtSNlfvcGgCbzDS+ZVfdTlegCbeaN5qPzKPMoAk3mjeaj8yjzKAJN5o3mo/Mo8ygCTeaTzP8npUE15FbxySSusUa873OFrnpPGT3z+Tots1zNn/XyLiJQOp96AOmub2Cxh864k8mPuzEAfh61zk3iq61qXydBt2MZyrX9wu1FPTIHem2XheSe5+16vcG9lb5hCT+7X/gNdBCkdvGqRoEReigcUAYum+GSt2bvVbj+0rvGAZPuD6Cuj8w4AAAA6ADAFQ780vmUASbjSbqZ5lHmUAP3U6OTEimot9Ju2kfWgDn/2fpPm8df9jDcf0r1zzTXjH7P0nzeOf+xhuP6V6/voAseaaPNNV99G+gCx5po801X30b6ALHmmkMhqDfRuoA8f+MDf8Xg+HP1uv/QK7PefWuG+L8n/ABd74dH/AGrr/wBArs/Mo6gTtN5cbtjJUE4ryXTfjF4k1y1kutO8O28lqJpIVaS5wSVbGcV6jcSEQSEcHaf5V4j8LZD/AMIoD3+1XHf1lYf0r1cJQjVT5kc9Wo6a0On/AOFleNP+hatf/Aqmf8LJ8Z/9Czaf+BVWvM9/1pPMHTJ/OvRjhaavocbryZX/AOFleM/+hYs//Ao0f8LK8Z/9CxZ/+BRqwzY7mjf75/Gr+q0+wvbSK/8Awsrxn/0LFn/4FGj/AIWV4z/6Fiz/APAo1Y3e/wCtKG5HOPxpfVab6B7eSGaV8Vtb/wCEp0jStX0KGzj1KRo45op93IXNen+ZXiGrtn4ieBT/ANPcx6+sJr2XzK8PGUlTlaJ30586uWvMqNpNtQ+ZSrJ8wPvXGk7G3VHlnjj40av4d8bXfh7SvD8epPa2yXEkr3AQYYVhf8L48Y9vB9t/4G//AFqxfGjf8X38R/8AYMtf51YRq8+pWknZH0dLD05QTsaX/C+PGX/Qn23/AIGUn/C+PGX/AEJ9r/4GVnGQHIFNVh3PNYe1kafVYdjT/wCF8eMv+hPtf/Ayl/4Xx4x/6E+2/wDAys/f2796aG/PNHtpB9Vh2NH/AIXv4x/6E+1/8DP/AK1VtT/aJ8V6Pp91f3XhC3W1tkMkjLeZIUHn9M1XkPyke1c58SJN3w98SdObGQ/oa0hWltcn6rDsfT2j6p/a+j2N8E8v7VbxzhN27buUEjP41b82sHwU3/FF6AvYWEH/AKLWtjdXpX92587UXLNpEvmVy/j7xtJ4NsbWWGzF5LcTeUq78AcZ/nXR7hXmvxpkJtfDueg1BePwrJy5VdmUnaIz/haniIgFdCt2yM/8fBpv/C1vEn/QAt//AAJrGEhYdee2TXM/ET4m6J8LdDj1bXZLgW8sy28UdtGZHeRjwAB61yupU7nLzXO//wCFqeJf+gBb/wDgTR/wtTxJ/wBC/b/+BX/1q8i8MftA+FfFGvaVpEKavZ32pTSQWqX9k0AkZF3MQW7AV6ANYtZInliv7WSBFy86zKyR8/xkHC8epqfaMTkzd/4Wp4k/6F+3/wDAr/61H/C1PEn/AEL9v/4Ff/Wribz4jaHY+KNM0KbUIY7vUrV7y3ZpV8p41O374OM5roftAblJBIvTcvI55HPcYqvaMXMzXX4p+JWYD+wLfk4/4+a6b4e+N7jxpos15NaCzkhne3eMPu+YHFcIkh3rz3rZ+BrbdD1j/sKTVUZtvcqEpN7npiysfSl8xvSo92KXzPau7odY/wAxvSneYai8z2o8ygY8yGuMsm/4yY0//sVz/wCjzXXs3SuIsZSf2l7D/sWD/wCjzQB7l5h9KXzTVffRvoAseaaPNNV99G+gCx5po801X30b6ALHmH6e9eefHG/gs/Ass91NHawx3ETO8zbVUbhyTXd+Zt5rwX9tSFLz4MwwTDfDJremo6Ho4+0J19awr0vbU3Aalyu5PJ8VvCkbFW8QaerYwR5w6jFJ/wALY8Jf9DFp3/f8V2kPwZ8EMqsfDGnFiBk+QvPGP6VJ/wAKZ8D/APQr6Z/4DrXz/wDYbt8RqsScP/wtjwl28Q6cT/13FWNP+I3hvVryO1stcsLm4kICRJMNzH2554BrsB8GPA//AEK+mf8AgOteTftCfD3w14Sh8BX2kaLZ6deDxVYRia3iCttLvleOxrmqZP7OLlzbGn1i7SR2HibSdD17TRbeIoLee2SQyqtyBt3Yx39q5JvAvwxA/wCQdpA+u3/GrXxaIuY/D6OAyy6pGjj1U4yPpTf+EX0jAzp1ueM8oK9vLcnWMw6m52OStiVGdrBonhz4eeHNUh1HTbbSbS+hJMc8YXchPUjnitLXz4P8UQpHq0mn6gkchljWYqdjEAEjnvisz/hGNJ/6B1t/37FDeGNJH/MNtv8Av2K9D/VeLlz+0dyP7QtokVW8FfDF87tO0dsjBzj/ABrQ8P6H4D8M6i+paZFpdlflGUXETAOoIAO0544A6VX/AOEZ0nvplrj/AHRR/wAIxo//AEDbb/v3TnwvCUXGVV6ijmFpXsX/ABHb+C/FxgOsnTtRNuCITcMHMecZwSc84rFXwL8MAQf7P0j8dv8AjVr/AIRfRv8AoG23/fsUv/CL6QeP7Ot/+/Yq4cLxhFKNV6Gcsfrexo+EvD3g7RL6SXQLfTbe6Mex5rRhvwSAR+gqz4s8M+Ftckgl8RWFjeTxp5cD3agui98HrXL6bp9npPxM0/7NbRwmawmD7BgHLZ6VJ4/toL/xppwnTzB9mYhSTjg4r47HYGWGxrpwmeh7ZOlzsefAPw2yc6VpPP0rW8OaZ4J8Ivcvo1tpumyXK7JpLdtrOuScE+gJrk/7Jssf8esf5Un9k2H/AD7RfhyfyzVSwVSatKZgsSt0jrde0vwR4o1AXuq22mX1yEEYlmwW2gkgZ9OazW8CfDVv+YVpP6Vi/wBk2H/PtH/3yf8AGl/sqy6G0jH4U1g6kVbmH9ZXY6/w1p/gvwf9pOjRafp32jb5xt2ClwvQE+gp2o+D/B/jzUnvrzTNP1S9VER5iodgADtyR1xnHNceuj2Mnym1jweOlavwwiittc19IUEYHk429uo/pXJVoyofvE9TelW9o+Unvvh38NNLkK3ek6TaydkkIDdeOPpWr4dm8F+FbWeDRpNN05Lhg8vkMqmQgYGTXnXijT7XVPibr32qFZgkMBUMMgZQ5qL/AIRnSP8Anwg/74FfRUsoWIoxnOe5v7T2czuNe0H4e+JtSfUNSg0i6vZMb53Zdz4GOeeaz/8AhAvhd/0DtFPtvH+Ncv8A8Ixo/wD0D4P++ad/wi+jjn+z4P8AvmuhZJZXjPYz5uaVz1fwno+h6Lpn2fw9Baw2Bk85hYgbSx45x1NGoeP/AA5o9y1vf65Y21wvDRvKAVbuDzXG/AmMW9j4gt4eIo9VdEj7YxjH0p/7OPgHw14uHxFvdZ0a01G9XxffQiW4jDlUUJhRntya+Yp4KVbESpt7G8pckbnSn4reEP8AoY9O/wC/4pP+FqeD/wDoZNO/7/iu+PwV8Cn/AJlbS/8AwHX/AAo/4Ur4F/6FbS//AAHX/Cu9ZK/5jD6zfocA3xU8IKuf+Ej04gDtOK9A+DepQaj4NintZ4bqCSaQrJC+4EZ55qOT4K+BhG5HhfTc4P8Ay7iuC/Y5jSy+FN7bxqEhi1u+jRB0AEvAr0MHl7w0ua5jVqe0jY98EhFL5pqvvo317BhFWRY800VX30UFECv8w5715B8a23ePPhgf+olMf/Ia16wsvzD614/8aJM+PPhj/wBhGb/0WtAHas3LfWm76iaTlvrTfN96AJ99G+oPN96PN96AJ99G+oPN96PN96AJ99BfcMEZHpUHm+9Hm+9AGVq/hS11CQT28rafdLz5sPBP1x1FZ/8Abl5oMgtNfgWeBuEukXdGw7bh2rpfO9Dio5VjnjaOQB0Y52sAaAMNdOl09jP4cuRLbv8AvDZSN+7J6nB7VXX7J4qlaewl/sjXYzgxTKQ3HXP94Gn3Xhqewm+06Jc/ZJurW78xP9R2/OqN1e2uuNFaa5CdJ1BfuXAO0M38JVvrjigDoNG8Sm6uDp9/H9l1CL5fnOEn90Pf+lbm4bd3P/xP1rz3WFkht4rPX4Gms1Ia31KA/OnoSOw7mr2k+Kp9PMNvqpWW2mIW11FWzGw7Kzf3qAOy30b6h8zhSPmVhkMORSeb70ATuw2NzjjrWddWd1cNKY9ReJZGVlVR0A69qs+YKTzDz/nFAFL+yrs5Y6nLnr0H+FadsrW9mI2l85s53nrUPmH1NHmH60AT7/enK3FVvM9qUSkUAWN9G+oPN96PMB96ALG4Ubu2Mn0qsZCuTtPHftWFqPi+3jmMFip1C7XgpCcqp/2m7UAdG1xGkbOzgIvVh0H1rBvvFgnkNvo0Rv5xw0g/1ae5P9KzF0a+16RZtauQYM5SytzhB9cck/jXTWdrbWNuIrZBEvooA/OgDGtvDdzrEyza/dfaOdwtouI1x0rpIYbezUJbxrFGBhY1Hyj3qNpM5yePSm+YKALHmdRRvqDzfejzfegCffRvqDzfejzfegCffRvqDzfejzfegCffQz9Kg82hpOlAHOfs/v8AP44H/Uw3H9K9d3+9eN/AGTbJ44/7GG4/pXrvm0AT7/ejf71B5tHm0AT7/ejf71B5tHm0AT7/AHo3n1qDzaDJQB5D8Xmz8Xvh1/vXX/oFdpuFcJ8XH/4u78Ov966/9ArtPM96OoElw37iT/dP8q8S+Frf8UmP+vmf/wBGtXstxJ+4k5/hP8q8U+Fz/wDFJj/r5n/9GtXuYDZnDieh2Zf6D3NeWfEj4/Q+AvFY8NaZ4Y1PxhrUVt9tu7XSwP8ARofVz6mvTdwPcL7t0FeFeJNL8YfDX44+IfHXh7w0fFVh4j0+Gzmt4rjypbeeMEKT6xnIJr0KnNfQwjy21LTftaaZctpNrofgrWvEWo3lhJqM9nbAJNaxxttkDhh2NdH8Nf2g/D/xW17SdK0e3nhuNQsDfL54x5RWTy2jYdzuPWvJrP4G+LvHnxL0vxB49c2sLeHpbedtGlNuYpnm3JCQvJXb1OetbureAdR+CnxE8IeJvAXhf+2dF0zSX0i505Jdsu8yeZv3HrlupqFz9Qbj0PYfh38RbH4kafqt/YRSQW9hqdxpTLMfmMsRwx+hrqhJzXk37Ovg3WfBPgTUI/EdvFb6xrGr3WsS28T7hD5zbto+mBXqQcZFdUdTHqYmrN/xcLwL/wBfU3/ok17FvrxfVZP+LheBv+vqb/0Sa9h833r57H/Ej0aGzJ99OVhkVW82mrKfMX6156funSeBeMmx8dvEn/YMtf51MJB83zBVAyWPb3qn40b/AIvr4kx/0DLX+dLcM7Ws3lYEuxguRkZxxkd68iS95n1NP+Ejy/Qf2k7DxBqdqsfhvVItAurmSzg1zAkhaVDghgoyvPrVKw/ai09ls7y98KatZ+H7q8axj1w7TbmQOU+vXFecaX8MfFlv4o0pdF8OTeHtXgvzPql/b3h/s67gZskCEkgMVzVqP9mvVYfh3ocyJcy+KrPW3vn05rk/ZpITcbwQn3Qdn61NkzNSnue4Xnxc0jT/AIqaf8PJCz6xeR+YJ1H7sNgkRk+pAB+lZWgfHvRNc03xjf7GtovCkkkd8sjjLbSACv1bIFeU3XwL8aeINQufiFc35tPFw12LVLbSQR5YiikK434zkouMZ71hTfs/+MdU1fUnEKWFh4nvZf7XgWQZSEyCWP8AHIPrSsglVm9Ej6c+Hvjq0+JHg3TfEVlFJDb30ZkWKT7y4JU/qKT4jNn4feIx/wBOEn9a534E+Gb7wV8K9E0XU4/KvLXzVMa/3TLIVx7YxW98RG/4t/4i/wCvGT+tK2pvFu2p9G+CpP8AijdB/wCvCD/0WtbO+ue8FSf8UboP/XhD/wCi1rZ80169/cPl6n8SRY315v8AGc/6N4d/7CCfyr0DzDXnPxmf/R/Dw9NQT+Vc9SPunPU+Ex1bGPSvIP2n/CWo+NPDPhqx02G4c/23bPcSW/3oYhgM4PbHXPtXrCyYIrh/id8U5/BN/oOh6Npi674m1x3itLXzdkQ2DJZ2/unpXLZnEmzy74rfCTXvD9/4Tk0Eat4uMJ1WaWa8mHmIWttqLnjb147nivB9B8E+M10fWrG50jXbazuLO0ld7a3KKWRizlo84k2jg/3q+k7/AOPXjfR/DGqXdx8OliudERm1GOW6/dqm0HfA2PnOOvWmT/tD+LLe18IG48GWUV94oZ1sIX1Dy4zEqB9zOfunPOPalZrY1tc8Y+HXwd1zxt/ZbeJPDt1bafZ6bqAs2ZmjyXVjGTz8p3gYFfU3wKs9R034SeF7bWEmj1GG1Ecombc3G4DP4Yrg9N/aYF15NrqOhC21H+3ofD9zBBcCSFGfBEiuOGHNe7SOkbsiABecc9sijXqKxIjfOvPetr4Ht/xI9Y/7Cc1YCON6/Wtj4ISf8SPWf+wnNV0viKp/Een7hSb6r+YKXzfevSOxk++jfUHm+9Hm0ATs/SuIsW/4yWsD/wBSwf8A0ea6+STiuJsJP+MlLD/sWD/6PNAHuO/3o3+9QebR5tAE+/3o3+9QebR5tAE+/wB6N/vUHm0ebQBY3fjXg/7Z91FbfBuKa4fyoItc06SSUgkKonQkn2A717gJMnGM15l+0Bq2maT8PJbvW5baLTY5ofNa65X746isK1V0abnFXY0rlv8A4aK+GsI2/wDCXaeAvHLN6D29zSf8NH/DX/ocNO/76b/CvFD8VvgwvDXWis38Q+yt1HH9z0pv/C2vgt/z86L/AOArf/EV5X9oVbX9mX7GPc9vH7Rvw1yP+Kv04f8AbQ/4V5T8fPi74R8eDwDpuga7a6neHxVYymGHcSEDNk9PcVjn4tfBbvcaLj/r0b/4itLw38SfhbqWuW1potzo66rM+yBEhMb7ucBSVxng8VzVcdUnTknTtoaKlFNO50PxSUqPDY7/ANrRD/P5VpeZwPWsn4nSbm8NE99WiP6mrvm4kr7Ph9f7DG55mMivalndSbiaj8+m+etfSnCTbvYUbqg+0ij7QKBk+6m+ZUHnUqsDWq3REtjJLf8AFy9KP/ThN/Ojxk2PHWlD0s5P51Ezf8XK0r/rwm/nS+M2/wCK70r/AK83/wDQq/MM1iv7SZ6kv4GhBeSG3sp5kXcY43cL64BOK+XfD/7Svie80+PW7tLSSxa9hga1+zsgRHdl3B+/Svp2+uYoNMuJbkrFarCxldzgBcHJ/KvA7j4gfCi88CW3hNdO1y40Gy2XVoq2fz3KqzFmjYfeUEnORVqCuctNvRFyT9sTwj9n1eSLStReSweNBHjPm72Cgg45FTeDP2lLfXPHE+hXul3UNpc30dpYamozFuZchH56544xXm1lpHwEn0yK6tLHxeY9WBNu0aZeSOLJZkUjlOuT2r0v4ZeGfhfrE4tPCUVw81jJa68Y5ZN2Dl1Qk9znqB6UOC7mx7fDIPMXBz71d+HLBPEXiL/eiH/oVZkTgSqCNvoKs/D2T/ipNe9zEf8A0KvKxsUqehph7+1Rjayf+LmeIh/0xg/9BxXK+MviNZeC9Z0KwvYpMap5xEwHEYjTc2R+VdLrzBfib4k/65Qjn/drgPix8KLf4nPpDS6hNpsmnymVWh58wHbuUnHcLj8TX2WD/wB2h6HfVT5jmLT9pYalpE/iGy8M3s/hewdYdR1BmCmCQvhgF7hRya9tjuEuIIpYyGjlRZFOcfIy5H4145qnwHd5tV07TNcm07wprdwt3qekrGD5snG7Y38Ktjkc16xY26WVtDBGPljRYx3+UDA/SuzlumRG9zp/gbIscfiQscAauxz+ANZ37PfxU8LeBJPiPp/iDW7XS7uTxff3CRzkqXjYrtcexAqT4NsfsPicjP8AyFW6f7tR+JfiJ8LdL1m4tdbvNGGoxP5cyzW29uB0JCnnNfAQrSoYufLG50y1Wp65/wANFfDn/obrD/v4f8KT/hor4df9Ddp//fw/4V4h/wALS+C3/P3of/gEf/iKP+FqfBf/AJ+tD/8AAI//ABFeh/aFW38M5/Zx7nt7ftEfDpkb/irrDp2cn+lcp+x3crefCW7uoiHguNZvZYn/ALymXIOPTFeew/FT4Lbxm60MDPUWRz/6DXtPwI1bSdY+HtpeaK0D6bLJI0P2cBVAzg8dua7aGIlW+KNjOUVHY9M3+9Jv96r+ZS+bXaST7/eioPNooArBsEHNeQ/Gh/8Aiu/hn7ahL/6LWvV/MryL4zOD46+Gv/YQl/8ARa0Adkz/ADN9abu96iZ/mb60m/3oAm3e9G73qHf70b/egCbd70bveod/vRv96AJt3vRu96h3+9G/3oAm3e9G6od/vRv96AJ91Vr+xttTgMNzCs0fUKwzg+op2/3o3+tAHPSaTqmhpKunsNQ09wc2dxyy+yms21toLp7iPSpI0YqfP0S84RmxyU9D712ok5HNcB4o1SbW9evLKx0u3ebT2UG6aUq65GcjA/nUYidPDwUpMLOWiLWj+IJ9BlNuy3E1tuxNZy8TWx/2f7y12trdR3kAmgkEkZ9Oq+xrzBl8U31u0Op2dncuv+ouklIlQdue9Q6Pb+K9CuRNawWiI3E0RmYq3v8AWvN/tGhfcv2cup61zwaXd7VwreJPE64H9mWTD2mNN/4SXxR/0CrT/v8Amj+0aHcPZSO83e1G72rg/wDhJfFH/QKtP+/5o/4SXxR/0CrT/v8Amj+0aHcfs2d5u9qTd7YrhP8AhJfFH/QKtP8Av+aB4l8UZ/5Bdn/3+NP+0aHcXs5HeKehzx61k6t4ss9PlNvCp1C8yALe3PIz3Y9hXB6zf+MdWYRLBa21vnBWOYhz+Nb3gPUjdW99bzWCWd1aTeVLJHzv44JNXDHUakuVMXs5F5tI1rXF3apMLSyJylrbsckehP8AhW1p+nwadB5dvCkQxjKqMn6+tS+Ycin+ZXo6dCQUbeO3pTw+Khd80m/3oAn8z3pN3vUO/wB6N/vQBNu96N3vUO/3o3+9AE273o3e9Q7/AHo3+9AE273o3e9Q7/ejf70ATbvelLdKg3+9DSYxQBzvwDb5vG//AGMNx/SvXN3vXjvwFcCTxsP+pguP6V635tAE+73o3e9QebR5tAE+73o3e9QebR5tAE+73o3e9QebR5tAHkfxakz8Wvh4f9q7/wDQK7HzPeuI+LLD/hbXw+56Ndf+gV1/me9HUCaZv3Mn+6f5V4r8MGP/AAiS4/5+p/8A0a1exTSFoZAOTtOMn2rxTQfD3jjwrp509NFs7pBPK/mfaCMhmLD+de1gZxinzHBiU9LHabvcU9JPLUBSqgc9a5nb47/6Fyz/APAr/wCtS48ef9C5Z/8AgT/9avV9vTXU41GUkdJvIYsRjP6+1NLllwx3HGNx615T8WPi/rHwT8N22t+KtGtYrO4uFtYoo7v53cnHAxwFzk11Gn6n4x1Wwtr208P2c1pcxiWKRbzh0IyGHHQ/0p/WKXcfs5djrVwvAAApyt8w571zHm+OP+hbtf8AwL/+tQsvjnIx4btc/wDX3/8AWpe3p9x+zmWNVb/i4HgY/wDT3MP/ACCa9fz9a8Z0rR/FOs+MvD17qOl2+n2mnSySvtn3Md0ZUdvWvX/Mrw8c4yaaO+hezuS7venK3zqfeq+/3oEmCOcV5fQ6Twbxo3/F9PEZ/wCoZa/zp3mejYq18QvBXi66+KGqa3oVjZXllc2UNuFuJyjb0POPbFZX/CK/Er/oW9N/8DK4ZQl0PpKdWCglctK2xgwOW/nxik3vtCkkgDA557f4frVX/hF/iUeB4c00H/r9rO8SWvjvwj4f1LW9U0LTYNN0+Brm4k+24KoOwGOTWHs5Gv1in3N3zDyRwT6fSgSMowOB29uMVwfwx8WeKPjD4OtvE/hnQrO40uZ2iAkvR5iupwVYY49a6lPD/wARpASPDVjwcf8AH5/9aj2cuwfWIdGavmEj0GOnauf+ITZ+H/iL/rxk/rV7/hHfiQB/yLVj/wCBn/1qo+IPAvxI8QaHf6WPD9jbtdwtDva7zgHv0p8kkL20N7n0J4Lb/ijtB/68If8A0WtbG+srw/bPp+gaZZyjbNbWkcLqDn5lUA8+nFXt/vXow+HU+bqO82yffXnPxmkzb+H/AFOoJ/Ku/wDM964X4s+H9T13T9M/suOOW4trtZdsj7QQKVRPl0Oao/dOd3MrLxuPXFeX/Fr4f63q3jDwn448JC0n1/QZJU+xXshSG5gkGCNw6EV6J/Yfi7AB0y0Zu+JzSjRvF6cjS7TPX/X/AKdK47M4UpHlsPg3x54t8B+PrPxNqFtHrWvQG3tNNtmLW1imMDDHnLdyDR4o+Db+Ll+FFpqsUF3pvhuJk1OHzCA5MOxSMH1Ar1MaD4ykUIulWvbGbgntiuE0T4nXXiP4oaz8O7Gxs5Nf0mMTT5uRsbPJUH+Ir3xTvKPQ2XMeVa7+zzr/AIZutRj8GW+nR6db+J7fXNNtLydsBY49rKxxnlsY5r3vwPeeLLrSZpPGNpp9lqX2hljj02UyxmPgglj39q0F0HxqAcaVak9Di6Iz+lJ/YPjc4B0m0I4OPtHtj0qJOT6D9404pAZEAPORW38EW/4kesg9f7TmrkF0XxnFMhbSLXG4fduOetd18KND1Dw7oF3BqiRxXdxeyT7YjkBSMinRvzaoqle+p3O73o3e9Q7/AHo3+9eidRNu96N3vUO/3o3n1pjJmbpzXF2Lf8ZJWB/6lg/+jzXXM/SuMsXH/DSFh/2LH/tc0Ae27vejd71B5tHm0AT7vejd71B5tHm0AT7vejd71B5tHm0AT7vevD/2wtknwos1kRZEbXtNBRxkY+0JmvafM/CvDf2yLlLT4Ox3k25be01nT55mVSxVFnVmbA7AAmk3yq7A9Z/4Qjw4vH9h6fjj/l2T0x6e1H/CE+Hf+gHp/wD4DJ/hXm7ftafC1SQfEygj/p3l9v8AZ9zTf+GuPhX/ANDPH/4Dy/8AxFR7SHdCa7HpR8D+HcH/AIken/8AgMn+FeSftFeHtJ0az8C3FjptraT/APCWWC+ZDEFbBdsjI7Vot+118LNp/wCKmj6f8+8v/wATXn3xe+OXgz4n3HgrR/DOrHU9Qj8T2Vy0KwSLtjR2yxYrjvXJiqlP2UtehdP4lc634lvuTwyT1/tSL+f/ANerLSfvDWf8SZP3fhn/ALCkX9KtM48yvo8haeCjY5Mb/FLG73oyKh3+1DSY9PpmvoGcBLxRxVdrgKwHA9utPDn06daEBLmlDYqHzKN9D3REjPdsfErS/wDrwl/nSeMpM+OtKI/59H/9CqNmDfEjTP8ArwkH61V+IF+mk+LtMuLgMsXkNGGVS3XntX5dmklHM/ePVi26DSKHinRI/FHhnU9Gnd0ivreS3Lxn5lDKVyPzrzjwH4V8eW8VnpOvPpFvpWk6TPpdvJp6BpbpnVlR3OPl25BIB5xXeSeLtODYLuR/1zb/AApD4v004zLIcc/6t8fXGK2U6d9zkSn2PKLf9nubUtL+HWma1qOLXw3o95YXLWLeW7ySsxjKn05GfWsv4T/CXx38H/FE02nf2Pf6bd6daabO0zlZUSN2bcAOrYP417T/AMJfpgUDzGwBj/VN/hS/8Jhp2Mec4HJIEbAfXpTdWla1w9/sb8bH7QodhuGAfrirPw7bPiTXPT9z/Nq5hfGGmLIG85uuT+7b/Ct/4YXS3mra5Ogby3MQVmBXIwT/AFry8VKDp2TOzC83tNUcz4w1mHSfiZrr3JZI5Uh2sYzg/Ic/rVVfGmlL0ujn/rm3+Fe23FvbzOXeCORz1ZkBP61B9jtf+fWH/v2K7KWdujSjT9nex7Eqd3e54z/wmmk/8/PHp5Tf4Uq+NdKyP9KI/wC2bf4V7L9jtf8An1h/79ij7DaH/l1h/wC/YrT/AFicdfZ2I9icZ8CJBcWGtTKcLNqpdNwIJGOoBFXP2bfDOlaxb/ESa+021vJR4uvk8yaJWbaNmBkjpya7CxWO1kjCBYk3g4UYH1ryP4P/ABu8HfCm+8f6T4o1VtKv5vFF5dRxSQO2+JyuGBUEdq5MDXVatKo9Lkzi4o+j/wDhA/Df/QD0/wD8B1/wpf8AhBPDn/QD0/8A8B1/wrzb/hrz4U/9DQn/AIDS/wDxNJ/w178Kf+hoj/8AAeX/AOIr3lUhZao4Gnc9JbwL4cVGI0PT+n/Psn+FebfslhYvhnqMUarHEmvagFRQAFAl4A9qE/a5+FdwwjHiiP5gR/x7y/8AxNVf2Q7xb74VXF5GG+z3Ws308TFSMo0mVODgjNbqUZLRge67vejd71B5tHm0DJ93vRUHm0UAVQ/I5ryT4xtnxz8NTn/mIy/+i1r1NW+YV5N8Yn/4rb4bf9hGb/0WtAHZM43N9aN4qq0nzN9aN/vQBa3ijeKq7/ejf70AWt4o3iqu/wB6N/vQBa3ijeKq7/ejf70AWt4o3iqu/wB6N/vQBa3igvVXf70bz60CJWmNcTYt/wAVt4mIJB3xdz/drr+fauMs/l8aeJv9+L/0GvCzZv2aN8PudB5jZzvb86QMcY3sfqah8yk3V8seg9yyszKuN5pfPb+8aq7qN1Ai157f3jR57f3jVXdRuoFZFrz2/vGj7Q3981V3UbqTGWvtDbs7smqHgudv7S8SAnI+1jj8Kl3VS8Ft/wATLxJ/19j+VenliTxCTMqr907PzKXeKqbvel3+9faHnFvzKTeKq7/ejf70DLW8UbxVXf70b/egC1vFG8VV3+9G/wB6ALW8UbxVXf70b/egC1vFG8VV3+9G/wB6ALW8U1pM4FV9/vRu5H1oA574DN83jU/9R+c/qK9Z3+9eQfAh8N40H/Udn/mK9X3UAWN/vRv96r7qN1AFjf70b/eq+6jdQBY3+9Bfg81X3UbqAPKPiu3/ABdr4f8A+9df+gV2O8Vw/wAVpP8Ai63gA/7V1/6BXXb/AHoAs7hSpIYxgMfck5zVXf70b/endktJ7lszn1NNW6csBz1qrvPrTd555zT5mCilsfmb+358RNY+LnxCktNItby58IeGCtj9oETCJrxjtc7uhO4gCvp39hD4marrHw/m8B+KYJrLxD4X2qkdwrCSS1YfJ1GMKTjg96P25LG1039n6VLa2igWTWrF28tAu5jMpJOOpPvX0TptlCEtb5oY/t0lnHG9xtG5kwpwT9eaV2M2Nw/yaRiCpHPT1qvv96N/vRdgWN43Z+o6+pzS7hVXd70u/wB6LthZLYtbxRvFVd/vRv8AekBa8zHIPP1zSee3rVbf70b/AHoGWhOcjJ4+lfG//BQz4narP4bsPht4Ztpry+1OH7dqht1ZvLtVOVBIHHI5z2r6+DbSDmuQ+Jljbf8ACC+Lr5beJbuTSLhTNsG/aImwueuKAPhv/gnh8UNW+HviKLwv4htbi18M+Lt0ul3sqERG6XI4bp82Cv1r9G/O25A4/r7186fsVaPZap+yz4De8t4bmSA3MkLSoGMR+1S42k8jFfQBbOT7AUAWvO9807zjxznHHNU93vTt3vSC7LPmZ4xgZ7U7eKq7/ejf70wLW4UGTv3zmqu/3o3+9HkLcn8z8KAy5GRxUG/3pC2QQeRSshWRx3x0+KEXwi+FmteJiWN3BCYrOFQWaW6YERoFHo2M1+U3w+8QfEH4d/GxvHMulag+qadc/wBo6vGYSzrBK48zzAOQGBOK/YPUNNstURBeWsV2FbeBOgcBv72COtfNvwv2T/trfGGKSNJYpdFs1kjkXcrjA4I6HrRZDPo/QfEVp4s0PTda0+ZpLK/t0niJ6gMucH3HNaAAI+8351Rs7GHTrdbe3iSCCMYSOMYVcnPAqxu96LIZMuFOckntk0q7VZmHBbGag3e9G73pcq3FZFrzKXeKqbvel3+9UBa3ijeKq7/ejf70DLEknArirCT/AIyOsD/1LP8A7XNdYzdK42wb/jIqxP8A1LX/ALXNAHte/wB6N/vVfdRuoAsb/ejf71X3UbqALG/3o3+9V91G6gCyJApB9K83+Pmv2Hh34ezahqs6RWMFzbmYum8H94O3f6V3+6vE/wBryQ/8KotUzgNrmnD/AMjpXPWpxqx5WxXsYEfxo+HgjX5kyQAT/ZbckDk/dpG+Nnw8XOHX/wAFj/8AxNe8xabZbFAsrckd/LH+e1Sf2XY/8+cH/fsV5yy6FviH7W3Q+ff+F4fD7+8v/grf/wCJq3pfxm8A6hq1pYWlxHDfXUoigBsGi3OTwu7b3wa95Gm2Of8Ajzg/79j/AArxn9pq1t7fTvArQQRwk+KbLmNQvUseo+tc9bLFGnKSn0NVVXMtB3xLyv8AwjYJ/wCYrGP5/wCFTs37w1R+JT5Phwk9dVi/rVhn/eV9fw+uXBRR5+L/AIhYaRtpwAT25xXmXjr4geK4vGVz4Z8GaRZX99p2npqF8+oytEgV2wiLjqW9eg716PuHfp9a4jxx8JtM8fazFq8+p6lo2oNbNZ3E2nTmM3UJOTG5weCfyr6Kaco6M4zy3Xv2oNd0fx5/Y8ek6aUhmtbeSxaV2u5XkUs4j2jaQoHU9a7Xwz8bp/EGm/Dq7NgIB4mvby1kUk/uxExHHvx711XhP4caH4Nkvp7CzUz3HlgtMd+0ICFAJ+pyTzWB4Y+Afh/wv4kt9ahu7+4+xzTT2OnzSZtrN5STIY1PTJJrliqkepV4s9SZgrkdqasnzVFuPU4pu6utX0uZSVigzf8AFyNM5/5cZP512U0MdwUMiKxXoWAP864ff/xcjTP+vGT+ddv5lflGff77Jn0OFinT1G/YbfOfKQ/gKX7HB/zyT/vkUu+gyV4HM+51ezj2G/Yrf/nkn/fIo+xW/wDzyT/vkU7zKPMpNsfJHsN+x2//ADxj/wC+BVqEJGCERUzj7qgdBiq/mU9H98UJ+8rsfJFapGNrXxG8P+H7yayvr4pdx4LRqhOAemfwrLPxi8LdtQb/AL9N/hXF60qyfErxEWVWIit8FgO6EVKixsMhUxnA4Br7Cjk9OvTUpPclysdf/wALi8L/APQQb/v03+FH/C4vC45N+x+kTf4VyZhResa++QBimbY/+eaf98iuhZBSjrzi9otj1DQ/EmneKLZ57C5FxCreW3y4wcdDmuO1j4zfD7SdXvNOvLmKS/tXaC4VLAzYkBGcsFPNN+DTAW2ugABRqrgDHAwBV79mGzt7q1+IzSwRSt/wl98NzoCcApgZ9Oa8Cng4yrypxlawTqcquY//AAvL4af30/8ABS3/AMTSj45/DTI/eL/4Kn/+Jr6D/smy/wCfO2/74X/Cj+ybL/nztv8Av2v+Fd8cpilrNnL7VPoeAQ/HD4abgd6ED+E6U+D/AOO16n8CfEWmeJvh/Bf6TKlxYNPIkbom3GDyCCBg5rq20mzVGIs7fOP+eY/wryX9k1fL+G+ojqF1y+QZ9PMzXoYbBqg781zOUuY9x3+9G/3qvuo3V29WSWN/vRVfdRTAgWT5hXk3xik/4rb4b/8AYQm/9FrXqAmORXk/xgk/4rf4c/8AYQl/9FrQB2TP8xpPM9qhZ/3hpN9AE/me1Hme1Qb6N9AE/me1Hme1Qb6N9AE/me1Hme1Qb6N9AE/me1Hme1Qb6N9AE/me1HmVBvpN9AmWfM964y1k/wCKy8Tf78X/AKDXU+ZXHWsn/FZeJf8Afi/9Brws1/ho1obm7vo31X800vmGvlup6JPv98UnmHdtxtbtnkevP4Vn6pqsek6Xe38ys8NpA88iqOSqqWIHvgV8p/Eb9oL4i6p8O/D2s2ug22jW+vahZ3elXNlebnliZ9ghmU8ruxjI6Zrop4edTWJEnY+vRIGBI6dsZP4HijzO46V8peK/2oNT0XU0fVNCktte8NTXdtqFnaXZNvdSJgKeeo565wTXp3wz+M2s+JvF0nhjxPo1npOqTabHrFp9guDMjQufuOSOHA59DRUw86cbscXc9e8z6Uu+q/mH0o801yrUos7qpeC5P+Jl4j/6+x/KpfNNUfBcn/Ex8Q/9fY/lXrZZ/vK9DGr8J2Xme1Hme1VvMp2+vsjz0T+Z7UeZ7VBvo30DJ/M9qPM9qg30b6AJ/M9qPM9qg30b6AJ/M9qPM9qg30b6AJ/M9qPM9qg30b6AJ/M9qXzOlVt9BlPy/WgDA+BMnzeNP+w7P/MV6t5leRfAyTa3jM/9R2f+Yr1TzTQBZ8yjzKreaaPNNAFnzKPMqt5po800AWfMo8yq3mmkMpwaAPLPiq+fit4A/wB66/8AQK64yVxXxTkz8VvAP+/df+gV1rScZ96ALHme1Hme1V1kB/iX86Xd9P1/woAn8z2pA3tmod30/X/CgMM84x3zn/CgD54/bsuI7r4BgxSRyj+2bAMysCARKu4e2K+hbG4UafZRlh5v2aNjHkblUgAcenHWvzS/bd0vxN8LPGmo6XYajc/8IL4gmTVbazc74451cFhk9CGGcelfSv7E/hnxNqfhq7+JHjHVLnUNX15Vhs47lyPJtV6YXpg9vb86APqHzPajzPaq3me6/mKPM9x/n8aALPme1Hme1VTMB3H+fxo84ev8v8aALXme1Hme1VfOHr/L/Gjzh6/y/wAaALXme1Hme1VfOHr/AC/xo84ev8v8aALXmEdq5r4lzRyfDnxfGkiu8ek3JZQR08tgCfStzzQ3HBzxj1/WvkL9vXRfEvhmxh+IXhLVbm1DWp0vW4ISfLkhfhXZenfaTQB6X+xHMlv+y94I8x1iVluVUycDP2iU49zyOle9buD+nvX50fsF6D4o+J2vadPrGo3R8E+DFc2dor7YvtMhyBjPzYJzX6IMxGAOmMdDQBN5lO8z2qtu+lL5g/yKALHme1Hme1V/MH+RR5n+cUAWPM9qPM9qred9P++hS+Z/nIoAseZ7UeZjmq/mf5yKQycH/Ef40ATTXUdvt82VY95CjcRyT0A9TXzZ8KTs/bY+Lpc7dukWYbJxjGP8OvavT/jr4Ak+Jfwz1nTLaeSz1jY1zp9zDL5bLMikoAQePmAr8xfB/ij4n+O/i1caDDq95B4l8RyR6Vqk64ErRI2G3EdNoB6UAfsAtwkymSN1kQ45U5AOeme9L5ntWH4Z8P23g/w/YaNaO0kNjCsIaRsszYG5iT1J5rT84eq/mKALPme1Hme1V/M9P5j/ABo8z2/Vf8aALHme1Hme1V/M9v1X/GjzPb9R/jQBY8z2o8z2qt5voAf+BCnbj/8AWoAlaU8Vx9i+P2ibH/sWyP8AyOa6mRsDNcdYyf8AGQ9ie/8Awjh/9HmgD2nzKPMqt5po800AWfMo8yq3mmjzTQBZ8yjzKreaaPNNAFnzCeB1rxX9royf8KhE0UUk/kavYTssS7mCrMpY478CvYRNjk9K81+P3iaz8H/DuXUtRL/Z47i3TZEu93YuMADuawrTdOPMlcaVzP8A+Go/CKKoe21UnpkWb9cc9vWl/wCGpfCP/PtrH/gC1cUvxs01E2f8Iv4gPAz/AMS489CT1o/4XVpf/Qq6/wD+C3/69eW8ViPsQNlTiup2n/DUnhH/AJ9tZH/cPauG+KfxY0j4qS+DdL0Wy1Rrm38RWdy/nWjIqwqzbmJ9hT/+F36aOf8AhFtfHv8A2b/9epNP+Nmhz6tp1hNo2r6W99OLeCa8sTEnmE8KWz1PNc9XEV5Qlzx6D5VdWZvfEljnw57apF/n9ass37w1n/EiUt/wj/8A2FIv6VZaU+Ya+zyFf7FFnl4r+Iyz5n4Um7r1qv5po8019EcWpZ3egpq4XHt7CoPNNHmmgnlLO/3oD5qt5hpwek90EikW/wCLjaZ/14yfzrtN9cI0n/FxNMP/AE4yfzrs/NNflWe/75I+kwvwFjfQXzVfzTR5pr57odhY30b6r+aaPNNQBY31JG9U/NNSRydKTV2hHlGsSf8AFyPER/6ZW/8A6Aa4z4gfEqTwL4g8OWzJG1jffaRNJ/d2KuMdsksOtddq7f8AFxvEB/6ZW/8A6Ca57xp8PdF8ffYv7Xhe4FpJ5kY8wjBOM/ngflX6pgY2w8TlnueZ6b8ZvGeveDdU8Y29nZQaPoc/2e+speJp2D4cD+6QpBGa9ztrlb21huIg3lzRiRd3XkA4/DNcNq3wb8N6zrU+pSpcRfapVmu7GKVkt7pxjDOg4J4H5V3WVVcAAADAA6ADoPwrt2M+p0PwZkWKHXd5+X+1ZCf0rE+FPxS034U3njvTdcsNUS4uvEt5eRNBaNIjRuVwQR9K0fhGTJa+IFC7y2pyDb68CotS+M2kW+s6jZQ6Xq2qyWM7QTzWdkZFWQEZUnNfBqtUpYmcoRudErctmdif2o/Cva01n/wXtS/8NSeFP+fTWf8AwAauHX41af38L+IP/Baf8ad/wurTv+hX8Q/+C4/41p9dxTV/ZmPs423O1b9qLwsykLZ6yWIwAbFhTf2URP8A8KvuLiWGSFbrV7y4jWRdrbGkyMg+1cavxo07IJ8MeIAP+wcf8a9M+Bfiay8U/D+31DTy3kmV42VlwyMG5BHavSw9WrV+ONjKUVHY9K8yjzKreaaPNNdxBZ8yiq3mmigCt5leVfF5/wDiuPh3/wBhCX/0WP8ACvS/Oryz4vSf8Vt8Oz/1EJf/AECgDsWlO4mk82qzTfMab5x9qALfm0ebVTzj7UecfagC35tHm1U84+1HnH2oAt+bR5tVPOPtR5x9qALfm0ebVTzj7UecfagC35tHmmqnnH2pfOoEyx5prj7aQ/8ACZeJf9+L/wBBrp/Mrj7eT/isPEZ9Xi/9Brw80/ho1o7m9vo31V840vnV8vbU7x95HHfWs1tMiyQTI0ciEZ3KRgjH0NeTW/7Mfw+0XF1Il/JFZzwz2pvLomOyEbZCR84VS3Y5r1UyA98V8mftSfEHXtQ1Hxx4eHieLw5pOmaXazxaWYRv1SSWUb0Rs9QPTpXbRU5e6nYhnqvxG/Z48O+PLHxdd6J5a+ItVeST7Q0paJZpMB8gHgYxxXT/AAt+DGjfCzzLq2lutQ1ae0itJ7y+nMrIq8+WhPRAegFfJN58cPFvhKJ9E0C8XRoLnUJ5J9UKht3lxgojFuOfavrz4K+MNV8bfCnw7reuRrHqd5AXnZej4bCnHbNXUjUpq0pXGju99G+q3nUedXnlos76peC3/wCJh4h/6+x/KpBMciqfg2TGoeIP+vsfyr1csX+0Iyq/Cdj5lL5tVfOpPOPtX1x56Lfm0ebVTzj7UecfamMt+bR5tVPOPtR5x9qALfm0ebVTzj7UecfagC35tHm1U84+1HnH2oAt+bR5tVPOPtR5x9qALfmmm+YeKrecfal8zpQBhfA6T5vGQ/6js/8AMV6n5leR/BCUq/jL/sOz/wAxXqfnUAWfMo8yq3nUedQBZ8yjzKredR51AFnzKDJwaredSGY4NAHmHxScn4qeAyOu+5x/3xV/x3qGu2Pg/Vbnwxa299r0cJazt7ptqM+7A3e1Y/xSkz8UfAmf791/6BXV+ceOnTHTtQB86/8ACc/tM/Lt8HeGyMc5n/8Ar0n/AAnf7TP/AEJnhr/v7/8AXr6M889M0eefWgD5z/4Tv9pn/oTPDX/f3/69DeO/2mdp/wCKM8Nf9/f/AK9fRnnn1o88+tAHxr8aPBfx7+PXh220bX/Bvh7y7S6W6jkiudr8feXPPB712Wk+Jv2k/D+l2emWfgbw3BYWNulvBEs/CqgwMc+lfS/nHbgHA9PWk85jgZ6cCgD52j8fftNySKg8F+HCScf8fGP1zXG+E/2n/jf468Xa74Z0Tw74autX0Vtt5F9owo7Eq2fmGeOO9e6ftDfFj/hU/wAMdT1WFXm1a5U2Wn20alnkmkGFIA5+UHJ+lfnB8CfGHib4M/FyPxReafeta20wi1pWjb5YpTuJfHP+1k9xQB9tnx5+03kZ8GeGR/28Gl/4Tr9pr/oTvDP/AIFGvoi31KPULWC5tZFe3uI1midXO10YAhgf0p32h/736mgD51/4Tr9pr/oTvDP/AIFGj/hOv2mv+hO8M/8AgUa+ivtD/wB79TR9of8AvfqaAPnX/hOv2mv+hO8M/wDgUaP+E6/abPA8HeGM9v8AST/jX0X9of8AvfqaXznbgHJPA5NAHyf8R/2g/jz8JfDB1/xN4X8O2mn+esKEXHzOW6Ac9QOTVnxF4i/aD+JHgW60qfwb4cvNF1q0AZhP8vlOPlIOfU59jXiP7enxK1f4ieNH0HTbea48L+GXWOa4jRjC905H8XQnnAFe8/sL/E/Ub7wPN4C8SxXNnrvh/aYI7lGDPaOMr164bH4UAcv8G/Dv7QfwN8ExeF9B8FeHp7ZZWmlnmmDtMzHIZj3I6fSu2/4Tz9p3/oRfDH/fwf419IfaNoAB47D0pPtDf3qAPnD/AITz9p0/8yL4X/77Wnjxt+0538C+Gf8Avof419GfaG/vUw3Dn+L9aAPnf/hNv2nP+hF8M/8Afa/40o8bftOZGPA3hjP/AF1A/rX0N5zHjd+prgPjn8VIvhR8M9Y17Ja+WPyrGFcl5LhuEUKOeDg0AeF6F+0l8c/Enj3XfBlh4Z8NTeINGG67h8/CgY52nPODwa6v/hPP2m/+hJ8N/wDgQf8AGvhj4V+LvGPw0+Mp8ZXNlfPdWE4n1sSRuWSGVhv80dQCDkZ9BX616TrVp4g0i01OylWW0u4knhIbJKMvf3BoA+e/+E8/ab/6Enw3/wCBH/2VH/CeftN/9CV4bH/bx/8AXr6L3L6UuVoA+dU8f/tNo4ZfBPhndkEYm/8Ar15d4b+Gvxx8J/F7VviTY+BvDw1jUkZdhnHlxMR87KOxbvz3r7c3D1o3LgA8gdBmgD5wXx9+02cD/hD/AA32H+v54GPWsLx7+0B8fPhX4Vm8ReJPCvhy30yEqrFZvmYscADmvqtsNwOvavz+/wCCgfxO1Hxl4h/4RTRIp7jQfDQEmp3MSExee5woJ6YH86APbdL+Kn7R3iDS7XUrDwh4ZmsrqJZopFuMgo3Q53fhVn/hPP2mP+hL8M/9/h/jXL/sE/ErUh4Vufhv4kgmtdR0z/TNPF0rKZLZhnC56gHkYr603L6UAfOf/CeftMf9CX4Z/wC/w/xo/wCE8/aY/wChM8M/9/h/jX0ZuH92jcPSgD5903x1+0ZJqFqt/wCEfDsNi0qi4kjmJZY8jcQM8kDNfRXnsqhWHzgLlvw5/Wq3yjnFNVwvTpjGPX3oAtPJ8tcdYv8A8ZCWP/Yun/0ea6hpvlrjrKT/AIyCsT/1Lp/9HmgD2fzKPMqt51HnUAWfMo8yq3nUedQBZ8yjzKredR51AFnzK8Z/awIk+GNr3zrWn5/7/pXrvnfjXjv7VUV5efCkNZWsl7LbanZXLQ243O6JKrHaO5wOlTJxj70hHsyxxqFAjXjjp/n0p22P/nmv5CvDv+Gmo8D/AIofxWT04sRye/8AF0zR/wANMR/9CL4s/wDAIf41n7aja6kPkaPcCsbcGMfkK8j/AGkNiab4OkVVDf8ACT2J6ern/H9Kzv8AhpeM8f8ACC+K/wAbIf41yPj34m3PxVl8L6ZZeEfEGmm31u2vZbjULQJEkcZLNk7q5a9WnKlNc3QqMXdHWfEV9q+HP+wlF/X/AAqyz/vKzfiLIceHu+NSixj/AD71bZ8tXu5D/uaOPFfxCx5lHmVX30b6+jucZY8yjzKr76N9FwLHmU4Sciqu+l30n0M5lQv/AMXE0z/ryk/nXZb64XzP+Lh6af8Apxl/nXYefX5bnn+9s+hwvwFrfRvqr59L5w9a+fsdqLO+jfVbzh60ed71PKDLO+nxy45NUvONOWT5gTyO9JqyuI8u8Utfaf4+1iddMu7qGeKHZJCm4cLiqX9p32cnQtUP/bD/AOvXaax8SNO0PVJtPlgvJ7iGNC4hj3dRx3qj/wALe07/AKB2qf8AgP8A/Xr7PD4rFqlFU6d0Yu19TnV1S/8A+gFqmf8Arh/9ehtUvgpP9hap0/54f/Xrov8AhcViP+Yfqf8A35/+vR/wuKy/6B2p/wDfn/69dKxmNTtKlYnlV9C58HRc2tpqr3NpNayTak0iLKuDtIHNaP7MeJLP4gbgG/4qy+Xkemwj+dTeEfFVn4otXvbVZVSGbZJ5wwQ1cD8OviNdfCK88ZabqHhPXtRe91+61CG40+18yMxSbQvOR6V5GErL6zOVXRjqaRsfUBiX+6v5Unlr/cX8q8TP7TUWP+RF8Wf+AI/+KpP+GmY/+hE8Wf8AgEP/AIqva9vSe0jiSke1soWNsouMeleSfstsF+HupY+7/bt9x/20qj/w0tDIpVvA/iwAjB/0Ef8AxVT/ALLcV3a/DOaS8tJrOS51S6uRFOu11DvkArk4rSNaMnZMNep7T5lHmVW86jzqvqMs+ZRVbzqKAKgfnrXlnxckz40+HhP/AEEJv/RY/wAa9KEnIry74tP/AMVj8Pf+whL/AOi1oA65pP3h5o833qs0n7w80m/3oAteb70eb71V3+9G/wB6ALXm+9Hm+9Vd/vRv96ALXm+9Hm+9Vd/vRv8AegC15vvR5vvVXf70b/egC15vvSeYKrb/AHo3+9AmWfMrkLZv+Kv8Rf78X/oNdP5lcjayf8Vd4i/34v8A0GvEzT4EbUNzc3Um73qHf70b/evmztJsg8HpWTrng3w/4nvYLzV9GsdTuoD+7lurdXZfxIq/5nNL5nvUvutxmbqXgnw5rFobW70OwmtzN5/ltAuA/qOOK1reGGxtkt7aNYLeNQiRRgBVUdAB6VH5nvQZKhSl1HZE273o3e9V/NoEnIqhFnfVPwe3/Ew8Qf8AX0P5VK0mO9U/CEn/ABMPEH/X0P5V6mW/xzKp8J1vmUvm+9VvMpN/vX1pwIteb70eb71V3+9G/wB6Yy15vvR5vvVXf70b/egC15vvR5vvVXf70b/egC15vvR5vvVXf70b/egC15vvR5vvVXf70b/egC15nvQZMY571V3+9HmdOaAMX4JP83jD31yb+hr0/f715P8ABWQq3i//ALDc38q9O8ygC1v96N/vVbeKN4oAs7/ejf71W3ijeKALO/3o3+9Vt4o30AeZfE6Td8UPAn1uT/45XWeZ71xfxMf/AIuZ4GPobj/0Guq8ygCz5vvR5vvVXf70b/egC15vvR5vvVXf70b/AHoAteb70nmCq2/3pd3v/WgAn0+11C6tJbm2ine3ffCZFDeW3TcM9DjvXzl8B7WC9/aM+O9tdxJcwPPAjxzKGVxjHI78Gvo6OZWnji3KJmYBYwcseM8Dua+dPgWCv7UPxzIGFVreRsHtwKAPo+3hhs7WK3gRYoIlCpGowAoHAHtT/MFVRNuA57dRyDR5nvQBa8wUeYKq+Z70eZ70AWvMFL5vvVTzPenbvQ80AfPn7bml2Wk/s56n9ktYYN2p2kr+WgXe3mDkkYya918PWNo2m6XqDW8X25tPhiNwEAcqFUgEgc14j+3Q279m3VJMZUahaEHIx/rB1Pr7V7doeY/D+kBiFP2GFsE/7C0Aa5lBpPMFVg2VyOaN3vQBZ8wUeYKq+Z707d70AWfMHfkVWvNMstUkga+tob0wsHj89A21sY3DjrRu96EnDTwxZw8hwqkgZPdR6kCgD5x+EdvHeftcfHe3uUWaCa3tFkikG5XXCjBB69a+kbC1g062jt7WNbe2jGEhjACr9K+cfhDuX9sX42ADfutbRiUGduNnUf17V9GJOrAlTkdMqd2D+FAFlpMd6TzB61WaSm+Z70AW/MHrR5g9aq7/AHpd3vQBZEuCD1rwH9szT7TT/wBnPxb9ktYYGmMDTPHGA0jCZfmYjknmvdQ31P0614l+2Rm6/Zw8WmMCQKIgWUggHzUOPrigD1DwTZWFx4P8JX7WkLahFpkAW6KDzApQZXd6V0/ne9cr8PZk/wCFfeFQ7qrvpsG0Z+9hPSug3e9AFzzvejzveqfm0ebQBc873qNpAKr+ZTXkoAtNJ8ua5Gzb/i/1if8AqXT/AOjzXRmT5a5Wzk/4v5Yn/qXj/wCjzQB7Dv8Aejf71V8yl3igCzv96N/vVbeKN4oAs7/ejf71W3ijeKALQkwcg4Nec/HvxRD4P+Hs2pyQS3Hl3FvEsEH+sdmcAKvuTx+Nd55mK8c/aokJ+GtmM/8AMa0//wBHpWNSnGquWQbGMPilrIVVX4d+KWGzAIVPUGj/AIWlrP8A0TnxV+SV7rDJ+5QdcYwf0x+lSeZXB/Z9HuX7U8H/AOFpa1/0TnxV+SUifGKa11HTbTVvB3iDRY9QnW1iuL5V8vzCQFDfl2r3ncO/SvIv2jpA2l+DQABnxPZNz/vn/Gsa2X0405Siyo1G5Ij+IS3Vxa6VNa2sl0ba8SVo4+uBj+lZn/CSX+f+QDfZ/wB0f41ueLPGFp4PsI7q4hmnNxKIkjhGWZiOAPrXL/8AC5rX/oXNV/JaWBzSvhaEadKN0dMsF7X3i5/wkmof9C/qH/fI/wAaP+Ek1D/oX9Q/75H+NUv+Fz2v/Qt6p+lL/wALmtP+hb1T/wAdrv8A7cxj+wR/Zxc/4STUP+hf1D/vkf40f8JJqH/Qv6h/3yP8ap/8LmtP+hb1T/x2j/hc1p/0Leqf+O0f23i/5A/s4u/8JJf/APQv6h/3yP8AGk/4STUP+hfv/wAVH+NUv+FyWn/Qt6r/AOO0v/C5rT/oW9U/Sk89xe3s0Q8t1L+hzXureMrO9m0y4s4YrN1ZpB3Ndx5g/uN+VecH4zWpXH/COat7cimf8Lkt/wDoXdV/SvnMVUr4qp7SpGzOuGGlTVkeleYP7jflTvNH9xq8z/4XJb/9C7qv6Uf8Llg/6F3Vf0rkVKfRGipSPTPOX+49HmD+41eaf8Lmg/6FzVP0o/4XNb/9C7qv6U/Y1GP2Uj0hpB2jkpVmGMGN/wARXnK/Gm16f8I7q36Vu+D/AB9a+M5r6KGxurKWzKiRbnA67sY/IVEqMo2kxOm4o5TVGVviFr37tgfKt+QOeVzUpZcNhJMj1/lVXUiP+Fga8cZPlwcZPYYrgfil8Rrj4f6x4bAmEen3guEnzgl2AGwAnuScV+jYX+BA4Z7no+5cZwwHfpS7hxgMD65FfOsHxG8YzeF9c8UTa1Z6cfD1z9lm0N4QGuDuAYHnI3KflxX0Ba3H2mzt7jbtMkSttznGQP8AGuvWzJR0nwlbdpuuAc51NvlyfSq03xpluNS1K00nwpr3iCLT7p7Sa7s0Xy/MXgqM88UfCWQrYa2Af+Yp+PStf9nF/wDR/Hx/6mm9wPTkcCviadCnUxM1IucuWJkf8Lc1rj/i3Hir/vhf8aX/AIW1rX/RN/FX/fC/417v5g9KXzfauz+zaNtznVR2PCB8XNb6D4c+Kh7mNP8AGu7+Afim38WeAxqNvbzWm+8uI3hnwJVZXxhsV3Usv7p+OxryT9l9h/wr7UgAAP7ZvOgx/wAtPauijg6dGXNFicuY9n3+9G/3qtvFG8V39RFnf70VW3iigCsr/MOa8w+LEm7xh8P/APr+kP5xrXool5FeY/FVx/wmHgD/AK/pP/QB/hQB1zMN55pvmCoHk+c80zf70AWvMFHmCqu/3o3+9AFrzBR5gqrv96N/vQBa8wUeYKq7/ejf70AWvMFHmCqu/wB6N/vQBa8wUeYKrb/el3Ac80dSWWSwx1rkbVx/wlniE548yL/0GulWQFirMOmeDXA6095oeuajdWrQ3K3zoUiZv3uQMcKK8rMqcpwSijWm1E65ZMn2oaXHrXFx67r7XUVtDaWcsz8sqzElB6mpG1zXjqi6clpYzXW3c6xTFhF/vH3rwvqlZ/YZ1+0gdeGDc807eawFHifb/wAeliPrKaTb4n/59bH/AL/mpeDrfyMv2kDoN5o3n0rn9vif/n1sf+/xpMeJv+fax/7+ml9TrfyMPaROh3e1L+Fc7/xU3a1sSf8ArqaSaTxTDEXWxs5SBnaspzR9UrfytBzxOkI3etZ/hFtuoeIMn/l7H8q5uz8R+IL9ZvIsrV5oj81t5h84AdSF71seB7h5E1CaeSNbi7m3mBW5jI4Iau3AUalOtzTRlUknGyOx8wUeYKrM2O9Jv96+n6s4kWvMFHmCqu/3o3+9MZa8wUeYKq7/AHo3+9AFrzBR5gqrv96N/vQBa8wUeYKq7/ejf70AWvMFHmCqu/3o3+9AFrzBR5g4qrv96XeOKAMf4LuN3i7/ALDc38q9L8z3ryv4MyfN4u5/5jc38q9K8ygC5v8Aejf71U82jzaALe/3o3+9VPNo82gC3v8AejzPeqnm0ebQB5t8S5N3xM8EfW4/9Brqdw9a4z4kSf8AFzPBHPe4/wDQa6rzB60AWPMFHmCqu/3o3+9AFrzBS7h61U8z3pWl+U1LvcC0G9KcJCD3rB8VeJI/Cug6hqLRmf7KM+WDjd6CvPo/jVqsu0r4ccqy7gfOHStFFsRe/aM8Gal4w+G07aBezab4h0krf2E9u5VtyclOOucV8B/C/wASfED4t/FC70e11i5trzxVNGNXuIfkYwx9SxA+UYBH1NfeP/C5NW3ZPhp2Gfu+cB+FeW/DXQ4Phn8SfF3ivT/DTSNreBBbGXC2qlgzgH3IquSXYLM+p9Ns7fSdNgsbYv8AZ7aNYk8xsthcDcT3J5qbePWvJf8Ahcmq9vDTf9/RUF78dL7ToDcXPhyRLZD+8YSjIXOM0ckuw+VnsO/3pdw9aoWt0Lm2gn2lBKiuATyARkVOZBjk8Vn5DsWCwGeelJ5w/vY9815r4s+K0+g+JrnRbXSGv5oY0kkfzNowwzisv/hb+p9/DDAevnCrUJCZ8r/tsaX4o8A+KL+0t9QnPgjxQy3sdnJIXiSaM4ZeehB5r2v9jPTfFPiTRrv4g+K9VvLyS9Uafp0czfIlug+8F6c4xmm/HLzfjd4EbQrvw61pdJMl1bXHmg+W2cOM44yK7XQ/iPL4Y0HT9JsPCzQWdlEttHGswwAq9ce55p8j7Ae0Kc9aPN6jNeSf8Ln1Rf8AmW3x/wBdRW14G+JMvjDWL3TrnSpNNntYVlYs4IOT2qpQ0uB6CJPel8z3qp5gUGqHiDW00DQ77U2QypaxNIUBwWx2rJK4G3uH1rz346eBL34hfDfU7XSrmWx16BBd6fcQyFHEy84BHrgA1gw/GjU7qGOSPw6zRyIGB80dCKlj+MuqxyK3/CNMQpztaYYq/ZyGj4E8B+KPiP46+Kt5olpq17a654nePTdVmjG2YxxkBtxHQqByRX6jeHdHt/DWiWWk2xZ4rFPKVpXJdiMAsT3J5r5k8HeH7fwd8YPEvj6DwyVm1JAttbeYB9nYjDtnHJfvivUR8Y9VXp4abP8A12FNU32HbQ9aZqZ5nvXkN58cdSsrd57jw46Qxgs7CUHCjkn8q9NsdQj1Cyt7pMrHPGsiqeoz2pTVkQaO4YzTvMyuRzVXf2HNcR42+Jh8LeII9ItNOk1Cdrdbk7XCBVJwP1pRi5WsJnoPmZ46+1fBv7cWmeJfh34hv59N1K6PhHxciC8s2JMQnix0H8OQMjH619Nj4uapjP8Awjrg+vnCuF+M11cfGb4f3/hu/wDDrW8svly2t00wJhdT1HHpx9KfK77DSuc/+xTp/ibxpDd+PfFWpXNzDCiaZpFvISI1RRhmVRxjHH1r6x8weteI+C/G0/gPwjpXh/TvCyxWVjAsa7JgAzDq2PXNa7fGbVB/zLLk/wDXYUezbCzPVDIKPMFef+CvigfFmuXWk3GlyWF1DALnJcMpQtgfjXbb/eoasBa8wUhcHvVff70hkwetIZY3dK5azf8A4v1Zf9i8f/R5rovMrlbOTPx3sj/1Lx/9HmgD13zPenb/AHqn5lL5tAFvf70b/eqnm0ebQBb3+9G/3qp5tHm0AWjJgHmvJ/2mrG61P4bqtlbtdSw6nZziJSAzhJVbA9zivTvNrzj4+eJo/CngB797Zr5lvLaJIom2l3eQBRk9skVjVlUjH93uNGT/AML516PAHw81ZlAA3eanJxk/hR/wv7Xv+id6t/39SspfGXjbZ/yIczgAYP2lcdsdvSg+MPG2D/xQM3/gSv8AhXme3xPWJryxNX/hfmvf9E71Yf8AbVK5vxn401/4nXfhfT/+ELv9JhtdZtr6W6uZFKrHH8zZA/Grf/CXeORyPAU2f+vlf8Kjm+JOtaPfadDr/hKfTbe+vEs47nzg6h3bCk8etZVqtd03zRLhGN9yb4tPusvDxbk/2pH/ACxWazDnp+VX/i7tFtoIDcLqsYH6/wCFZLScms8HH92e5T1iSeZ9Pyp2/wCn5VW8yl82u1o1sWd4/wAijeP8iqvmUeZU2QWLPmD2pPM+n5VX3D1o833o5UQix5nsPypPO/2ag8z3oEvqaTSGWPM9v0o8yoDJ70zzPalZAWfN+n5Unm/T8qrbqN1A0WFfOeB+VXvhhJ/xVfingfeg7DuGNZQfFXfhnJt8U+KSOubf/wBBeuHE/AY1vhE1KQf8J9rnB/1cP8qzPEXg7R/Fn2b+1bKO8FuS0SychWODn68CtDxFpGtw+LtQvbPT/ttrcqioyuBjFVvsviT/AKAUn/fxa+owuIoQoRTkeLK99DE1X4X+GtY1z+17rS45b0srs23AdlxtLL0JGOCa6nzCW6EDPAC4A9qoi18S/wDQBf8A7/Cl+y+JF5OgyYH/AE2FdSxVDpIhKVzo/hPKFsdcLfdGp5OPpWT4L8WeI/hXe+KrNvB19q8Ooa3cahBc20ihfLcjHB71tfDnSL3SbC+iv41t5ry789EDZwDwBWbbfErWdav9Wg0PwncarBpt29jLMJlRWkT72OK+RjOp9Yn7I0lbl1Og/wCF9a//ANE61b/v6lH/AAvrX/8AonWrf9/UrFPi7xnnH/Cv7n/wKX/Cl/4Szxn/ANE+u/8AwIWtlWxS05TJKJtD48a83B+Her4/66pWj+zbp97pvw6b+0IDZ3N1qF1ctAxyUDPkA1yn/CXeNQp2+ALpT2Y3C8e9dh8B/Ey+KPApvTbSWsi3k8TxSHJDK3P611Ualab/AHisRK3Q9Q3+9G/3qp5tHm16SJLe/wB6KqebRTAqLL8w5rzT4qN/xWHgE/8AT9J/6BXoCyfMK83+Kch/4S7wF/1+yf8AoFAHWNJ85pvmCqzyfMaTzPegC15go8wVV8z3o8z3oAteYKPMFVfM96PM96ALXmCjzBVXzPejzPegC15go8wVV8w+v50okXLEnai/xHp+dAFrf/nOKiur+Cxi82eZYo/70nH5etYMniZr64a20mIXkqttaY/6pT9fWqF39nhvB9qJ1nWMblt1bMae3oKBF268R3d8C1t/oGnhsG8mXlv90VUs7FrxWe0JtLNsl764XEz+uM/dX3qU2ccMP2/W7pZUT7sAHyRegA7mkj+1eKpgswe20xCCIjw02OhJ9PajcLIS0RL6OS10Mi2tg37+8bO5z32n1rodN06DS7VYbfgdXcD5mb1J60kMcUKrFGAip0AAAqVpKfM2S0ibd+P4mjmq/mUeZ70hpFjmk3fX86g8z3pPMoHYsbj6n86cshTlSQfqareZS+ZQGhX1DSYNQw+wxXC8rNESHz2Oe/0rDvo5rNkbUoPNKn5NTtPlkX03qODj1xXR+YKN4OQeQRipY7oxrXWruzh8yQrqVj/z8wg7k/3hmtqz1GC/jDwSq/GSueR+FY97oslvcfa9JnFpd/xRn/VyD0I96yUWG6vAtyjaLqzH/XRHKSe/pTQHbeYD0K49M80eYK5v+3bvS1QanBmHoLqEbgR6kdq2Le6ivIlkt5FmjIzuVs/pTAueYKPMFVtx+tJ5nvQBa8wUeYKq+Z70eZ70AWvMFHmCqvme9Hme9AFrzBR5gqr5nvR5nvQBa8wUeYPWqvme9KH6fWgDH+DcmG8W/wDYam/lXpPm+9eXfB2T5vFh/wCozKf0r0fzPegC15vvR5vvVXzPejzPegC15vvR5vvVXzPejzPegC15vvR5nvVXzPejzMUAedfEdv8Ai5Hgk+9x/wCg11Hm+9cf8RpM/EfwX9bj/wBBrpTIaALXmCjzBVXzPek8z3oJZbVwaduHrVRZKXzMU0I5n4uNt+Hesn1Rc+/z1w9iFjtYgo6Io/Suy+Lkmfh3rA/2F/8AQq4e3kxbp/uL/Ku2nsNFzzKN/Fc9d+LrKy8TpoUgf7Y9lLfhuiCOP72ffiuOi+PumagrDRtE1XWhGhluDbwY8hMH73PB449a1Nj1LfWH43b/AIpLUj32L/6GKXwr4msfGGhW2r6dIZLSdQw3DaVPRlPuDUPjZs+EtS/3F/8AQxTGe8aO/wDxKNP5/wCXePPv8oq55meCeKy9Jk/4lNj/ANcI/wD0EVZEh3V58/iJZ5B4qA/4WtrJB+9awk/lS1F4lfPxR1c/9OkP8qS6uls7eSdxuSNS7AdSAMmu2OwE/mHcTnqefejOeSTu6E+tcFcfGjw/Z6RpWozieK31GKWaNjHgqsZIJYZ4yRgeppnh34u22r6ppljqGjal4fk1JN1k2oIFW44+6D2PU4NWh2R6EG7dau/DKX/i4OvYAB+xxEn15rNJ2sQTgirXwzfHxB17/ryh/wDQqzq/CS0eutISprA+Iz58B+If+vSQ/oa2N1c/8RZP+KA8RN3+xSH+dckPiRLPNdDlLaLYknrAn/oI/wAauiQ9jWXobH+xbADr5CY/75WqmoeK7PT/ABNp+hSiVbu+ikmjkwNiqg+Yk5r0UNHQbsYwSCBgc0M3y8HNeYw/HXTtQuDDomj6nrrxq0k4tYh+6UNt+bngnqB3rsPCniyx8Z6HFqunyEQMxR434eNgcFGXnnNDK6Eniw/8U3qXbEEg/wDHTXtXheT/AIpzSu3+jR/+g5rxPxY3/FO6iPWCT/0E17N4Zb/im9K/69Yv/QB/jXBWMzaab5TzXkHxEYH4uL6f2UnH0kI/pXqzNwea8j+Ib/8AF3E/7BSf+jDToysMk3DbjFKHJye56+9VvMHzE9AMmuHf40eH7XR9J1SYzxW2o+eYwyDcoiyGLc8ZI49a7dy0egMxHTjP6UqyY9/rXnOk/Gqz1HUtNtr3R9R0e21I7LK8u4wI53xkAHtntXf7uB3+lS0Nlr4eFR8Vb3CjA0gH/wAikf0r13zBXjnw6f8A4une576OP/RrGvWmbFcFRWZkWfMFI0lVvM96QvurMZa8ziuWs5P+L6WZ9PD5/wDR5rfL8da5m1f/AIvpa/8AYBI/8jGgD1nzfejzfeqvme9Hme9AFrzfejzfeqvme9Hme9AFrzfejzfeqvme9Hme9AFtZfmHNeR/tNyZ+HNr/wBhiw/9HrXqPmHsea8w/aK0q+1z4d+Rpkcc15FqFrcRxyybA4SQNj8cVEpqCuyXuesRsdijOQB0/T+lO8w+leKf8LO8f448H2Z6Yxe9e5o/4Wf8Qf8AoTbX/wADv/rVl9Ypv7RXK+x7XvNeVftBSbdJ8J/9jHZcf8CP+NZP/CzviD/0Jtr/AOB3/wBasPxVfeM/iFNoVrf6Ba6RaWOqW9/LL9r3krG4JAGPTNYV60HSaTKjFp3NH4tyZtdD/wCwrGf51ktJzV/4sSBrXQyOf+JnGf8AP51lO1edhF+7PoKT90l8yl8yqvmH1pfMNdpsWt4pDIACen1qt5h9aPMxzu2+/pRYTk0c/wCJPiVonhXVo9NvpJzeOglZIYt/lIT958dBVWx+L3hjUNYGlx3Fylz9q+x+dJAwgaUjIUN647VyvxK+HOr+JvEhvrFbZN1tHClwZGimt2DZOSP9YCP4T9M1nR/BnU9NU6hFqYn1uPWRqUXmufIKCPb8y+vvRYx5mei3XxP8OWcOvSS321NEdYr07eEZmAGPWrcfjPSrjxBbaLDcl9Tms1v1i2HHlN0Oa8XuP2fdZhtmFvrSTtqisurrcD5GJbIZCO49xXQfDn4S6z4S8XQ61qGow37LFJbZ3EnyQcRj61LSKUmey7uPejdUXmc01pMUrFXbJtx9qNx9qreYfWjzD60BdlndVv4av/xVHicg4Obf/wBBes3f71c+Gkn/ABVHib6wf+gvXDiFenYmt8Jsax8QJtP16606DS2uzbqrO6yALkjNVv8AhZGof9AH/wAiisbVG/4r3WunMcR9s4qYMGVmVSQBkc/pXs0csoVKUWzxpT5TU/4WRqP/AEAH/wC/9KvxJ1IsAPD75/671kLuYMQMhTtLKCRn60Bgy/wgHoc1vHK8PF3EpuR2fgvxWPFkM04tjZS29wY5I2bJz7e1J+zyQ1p45AJAXxRe4GenIrB+FcpWLWyBuxqLnaPoBiqPhe68Z/Du+8SQafoNpqlpqOqzalHO915ZAkx8uMe1eLh3CjiJa6BUV0fRAb3z9aTj/Z/KvGB8TvH/AH8H2X/gd/8AWpf+FnePv+hQsv8AwP8A/rV6axNP+Y5+VnskjARsRjOD2ryv9m2Q/wDCCagM8f21ff8Ao3NUD8S/HrAhvCNiqngn7d0rQ/Z60290f4fvHqMaRXs+oXNy8cbblXc+cA1pCtGbtFis1uereb70eb71V8z3o8z3rcC15vvRVXzPeigCssvzCvOPii+fFngT2vpP/QK7zzj7V518Tpi3izwNn/n+k/8AQKAOrd/mpPMqs83zmk84+1AFrzKPMqr5x9qPOPtQBa8yjzKq+cfakafaDnAxQBb8wDnNCybuAefbms3UNWt9JtxNdSeWrfdXGWb6DvWS91qGvRgQsdOs+pf/AJaN7Y7UAa2oeIILGQxD/Sbjtbw/M34+lZc9rdapH9q1mUW1ln/j0VsBf95h1z6CmG4sPDWViRri7fkRRjMjH1LdqSDSZdcaO51ZiyLnyrUZCx/UdzQBMl3calH9m0yMWNhGMG62dR6ADv71b32Hg+zHyGSVv+WSkGSZj/LNQaj4iXT2hsbGPzL3tGgysa+rUun6V9nuGvLtvtV7LyXk52D0HpQAtrpt3q13Hd6n8yD54bdeAmOQW9SK3lbbwDwOlVvPKrgU3zTQBb39880GTNVPONL5x9qBFncPpR5iAkFtpHUHgj/9dVfN3cHoetU7zToLyaSV9xMhUt8x7dKANYSISAHXd0xuHBpVfcoI5BzyKxV0m0WRnCEFmLH5j3GKt2sUdnCscedq5xuJJ5oGXt1G6q3nH2o84+1ArFndRuqt5x9qPOPtQFkWhIeOagvbW3vrfyJ41kXt2OfrTPOPtSNJu60AZT2t74fT9xnULDvb9XUd8VFaRwXTNPpF0bO76yQ7cj6Ef1rb888Z5xWdqWkxalJ5ykwXI+7JH8pz2zjrQMI/EUmnERaxD9mIOPtSfNG2enPatqOZJlV4nEiMMgjpj61y8usXNgvk6vEr2fT7WAGX/gS9vrSQ2Mlr/pOkXKxxv83kyHMbj29DQB1Xme9HmVzlp4nRZFg1FDYXOcYf7jfQ1sR3HmDIwR25oAt+ZR5lVvOpPOPtQBa8yjzKq+cfajzj7UAWvMoEnIqr5x9qFmO4dKAMj4Oyf8jT76vLXo/m15f8IJSv/CUf9heWvRfOPtQBb82jzaqecfajzj7UAW/No82qnnH2o84+1AFvzaPMqp5x9qPOPtQB598RpP8Ai4/gz63H/oNdN5lch8RJi3xE8Gk+tx/6DXS+cfagC15lHmVV84+1HnH2oEWhJijzKq+cfal86mFjnPi1Jn4d6v8A7ij/AMeribeT/R0ycDav8q634ryZ+H+rD/ZX/wBDFcVayf6On+6v8q7aewHmPxS8OeJNS8YLeaNZeak2kyac04f7jSSDefptJqtpel+Ifgxr+uLonhmXxBpupG3a0mt5VTy3jTBV/UEnP4V660hIHY5zSK+0ggAEegx9P04rU2Oc+FPhm58I+CobC8CLdSTSXkscZysRkbdsH0rR8ayf8UnqX+6v/oYrS3/Kq44XpWN41f8A4pXUh/sL/wChikJnuukyn+ybH/rhH/6CKtebWXpUpGk2XT/UJ/6DVnzj7VwS+IhnlPiR/wDi52rn/p0h/lVXXFkuNFvo4huleCRUX1YqQB+dO8SSf8XM1f8A69If5U/fuXmu2Pwos+ftH+D3iPxB4X1FNSto7W9sLaG30lJDkP8AvfNZT7EjGT0zXXXP/CTfFLxJ4a/tXwzN4esdFuBfzz3Mqs00qjaqxgdB3r1RZDGQVOD+eeMd6PMyQcDOSeRnk96sZN5hZiR8vA/Srfw1bHxA10/9OUP/AKFWaZDyc5q18N5v+K+13/r0iH61lU+Elnrnmmue+Icm74f+If8Aryf+ta3nH2rn/iFMf+Ff+If+vJ/61yw+JEs880Vv+JPYDJ/1Ef8A6Ctec/Fjw/r2reLtLvtEs0mMem3Vq0hYKI3lO3P4A5rvtFc/2NYn/phH/wCgrV3zemcEZz0r0OZdAR5F4f0DW/ghqt7Fonh6XxDpepwwSZglCSxTpGVZTkcqXINdj8JfC954S8Lyx6lsi1G+vJr2eCNsLF5hyEGPT3zXWLKV6HH4nNJ5nQnkjv3qdepXQp+KpP8Ainr/AP64Sf8AoJr2Xw3Jjw5pQ/6do/8A0Af4V4l4qk/4p/UB2ED/APoJr2Pw7N/xTel/9e0f/oNctfYzNppPlPPavJfiE/8AxdxD/wBQpP8A0Ya9P83Kn6V5P8QpP+LsIf8AqFJ/6NNZ0tykO8wxpMwXedpwvrx0r528PfB/xHr/AITu9P1OH+zbrTLOWCw3gMGma438+xWvoTzPp+VK0h8xmzluucD867ijyOZvFXxHvPDWlX3hltCtNIuob28uppVZWaIBUEYxxux+dey5KqOxwBVVZdvTjnP/ANanedk0w6Fz4ft/xdG7/wCwQv8A6NavWGkryDwBKf8AhZ12f+oQv/o1q9UaY57VxVNzMt+ZSNIRVbzj7UjzGsRllpTtzXM2sn/F8bU9/wCwj/6ONbbTHbXNWsp/4Xdan/qBn/0caAPWPNo82qnnH2o84+1AFvzaPNqp5x9qPOPtQBb82jzaqecfajzj7UAWxJXnfx48QyeG/ApvYbZbm4e6t4YY5G2qXaQAbj2GT1ruhMcjpXk/7SUxb4eWZIyf7Wsf/Ry1nUpwqK0xoYtz8T2QZ8K6B0GD9vfjpj9KXzPih/0K+g/+B0n+FeqR3DmNeOOM8+2P6U7zf9kD8v8ACuL6pQ7GnM+55SZfijg/8UtoX/gbJ/hWbqnizxr4dvdIXX/Dul2mmahex2PnWd6ZHVnJCnBFe0ecexXP4f4V5n8dpf8AiX+FAOn/AAkVifvehIrGthqUKbcUCbbMb4pNtstCAP8AzEo/6VnM9WfipN/omhD/AKiMf9Kz2bjNc+E1pntUfhJN1G6oPMPoPzpPO9h+ddXN0N0yxuo3VB5h/wBk/jRub+7V8r3DmJvMPZmX0wT+dNPPr7VFuPpRuPpSFdE6tt5HB9RwaXzj6n3561X3H0o3H0pWC5aWSms9QiQikaQmizAl3Ubqg3n0o3n0oswLCvmrnw2fHifxN/vW/wD6C9ZqseatfDqTZ4n8S/WD/wBBeuPFRtC5lVfujdTbd461r/rlCP0rz/4rePLrwXq3hmVLjyraeWfzowPvHYuwfmT+ldzqMm7xvrXBOYof5VBqGk2WqeUby1iujCd0fmgHafUV9VhP4ETxpK54jH4o8SQ+Ftf1nU/Fctr4j0W5W1g0hVUfaQXBUFerblPUV73a3DTWsE0hUSSRRswHYlQf51k3nhnRr7Vk1S70y1udRi27LiWMFhgYH5DitJXbPX2xiuvuStDd+FbboNaz31Fs49xVWw8aeNvE2oawnhzw1pt3YabfPYGa/vGR2ZBg8D60/wCFMxWPWRwP+JgTz9K0vgDNtt/HC5/5mS8/mDXyMKSq4ifMXPYg874rHr4S0P8A8Dn/AMKPN+Kv/Qp6GP8At+k/wr1zzAx/hpd3+7XR9SoW1RmpM8j874pbTnwvoIGOv29jXSfAbxBL4g8Cm6ng+z3KXlxDLGh3ICr44PH8q7hpj5bYbt615l+zzJ/xRF/0P/E2u+oz/wAtK2p0IU9aZMm3uetebR5tVPOPtR5x9q6kSW/Noqp5x9qKYFUSHNed/E2T/iqvA/8A1+yf+gV3nmV518TJP+Kq8Ef9fsn/AKBQB1DSfOaPNNQPJ81JvFAFjzTR5pqr5yhck4P0zWZf+IoreZre1jN7d4yIoxkD/ePagDcknSNCzsEXGSxPFY58Qzaltj0hARu2/an+6p+neqtvps2oN5uqSLIx+ZIIzhE+tXLzVLLQ4UjPySNxHBGvzkn0A7H1oAkh0eC3kN3dS/aJ+rTTfdU+3pVSbWL3WWMWkIqRKdst1Jxj/dHeo/7PudexJqBZLYcpa5IB+taouIbODPyw2yDGeAox70AN07RoNNVzu3zEZeZjgnPXrVO41m41C4ez0ps7SPNuSPki9vc1Ue9ufEc2y3PkaZnDSHh5fUAHoK1bO1h0238mBAiDpigB+l6fDpMbhD5k0pzLMfvM1XfM9qqqx7nPtTvMoAseYaXzTVbzKXfQSyx5po801W8yl3igRY8w0nmGoN4o30AWPMNJ5h9Kr+ZR5lAFnzTR5pqvvpPMoAs+aaPNNV94o3igCx5po801W8yjzKALPmGk8zsRxUG8UbhQUiZtknDgOCMYbBGKx7jR5LORrnSZvs7n70DnMbfQdjWluHqaUSYxg0DMyPVbPVt1pqUPlTEbTBMMK/urUp0290n5tPn8+HGfs0x6D0Bqxf6fa6lAY54946hv4gfUVlf6foajazajZ54Rjh0H1oA0rHxFBczeTNutZxwY5hgZ9j3rU8zHUgZ6Z71hrJp3ii3KkrOy8EdGQ+lV1t9S0P5oJf7QsunkyH50H19KAOk800eaaybDXLbUHMaFkmH3oZPlYfn1FXd/OKCWWfNNKsh3L9arbxR5uCv1oGjJ+EcmG8Tj/qLy16H5przP4Syc+Jj/ANReWvQ/MoGWfNNHmmq3mUeZQBZ800eaareZR5lAFnzTR5hqt5lBk4NAHn/xCk/4uF4O+tx/6DXSeaa5P4hSZ+Ifg/8A3p//AEGukZwKCWWPNNHmmq3mUeZQIs+YaTzPaq/mUeZQUjI+IFjc614P1Kys4/Nu5I12R5xuO/pXnUOn+LY40VvDx+UAEiYdcV655nP1z+tOEmO5x6VtCpy6DPJfsnir/oXm/wC/4o+y+Kv+hdb/AL/CvWvNo82r9sHMeSG18Vf9C63/AH/FUtc0XxTq2mXFidAaPztqmTzgdoznNe0ebQJB9aTrFXuPs82+n2sTKVaOFEb/AHsYqUucVX83jA4pDLuGM4rBu7uJnmni7Q9dHji81Cw00XtrcWsaqfNCncp5qj9k8VD/AJl1v+/wr1rzMZIP6UnnVuqtkLmPJvsvir/oXH/7/D/Cj7L4q/6Fx/8Av8P8K9a833NHm+5p+2HzHkotPFJIB8OPj/rsP8K3vh3ous2HiLVNR1TTv7PjuII40VnDEkGu784+p/Ol8zBzk59+aTqKS1Fe5YEnIrG8ZWs+q+D9YsrVQ91cWzJGpOASQcD860vNFJ5g249sVjtqB49ZaX4qtbKCAeH2fykVCfOHYAZ/SpvsPij/AKF5/wDv+P8ACvWfNzzmjzKv21gPJvsPij/oX2/7/D/Ck+w+Kf8AoX2P/bYf4V615gp/m1Xtmxo8a1TRfFOpabdWp8PmLzo2j8zzgduQRmvYNJhay0awt5PlkjgRWGe4GKk8wf5zTTIDjtWc5cwiz5g6E4HrXmPxA0XWrzxtDq2m6f8AboDYJC2JAuG3k9D9a9E8z0NJ5lSpcjA8qXT/ABX/ANC+f+/wpx03xYST/wAI83P/AE2X/GvU/MI70qyZ64/IVt7YaPKv7M8Wf9C83/f5aQaf4pVhnw+3/f8AH+Fesbh/kCl8wU/bdAZ538OdF1qHxnfanqenf2fbf2ekCZkDFm3k/wBa9KaU5qLzRz69KaXFTJ82oix5ppDIT2qv5lHmViBO0h21zdtJ/wAXstf+wGf/AEca3Gk+U1zdrJ/xem1P/UEP/o40Aep+aaPNNVvMo8ygCz5po801W8yjzKALPmmjzTVbzKPMoAs+aa82+P8Ao95r3w/FvprRfbEvbaeHzyQjFJA2CR05FegeZjmuW+IT7tBRScr58WB/wIVzYibp0nJAruRxo8bfE8fKNI8PELgbvtE3XH096X/hNfij/wBAjw5/4Ey/4V0MbZiTnHAPWnbh6mvBWOq20Ojkuc7/AMJr8Uf+gR4d/C4lP9Kydcbx540vdFg1mz0axsbPUYr12tZZHkPlnOACMDIzXcbh6mmkqX4HJOeOKmeMqSjyyHyWZz/j7RLvxBY2SWEkSXNrcpOBMSAcfSue/wCEf8V/3tO/77f/AAra8ceKNR0GPSbfR4befUNVu0tE+1Z2JuHU454NMbR/icvX/hHsY9ZP8KujTquNqex1Kv7NWMn/AIR3xZ66cf8Agb/4U3/hH/FbcBtNJ9N7VLea1418L+J/Dmna5DozWusXD2yyWZfcjKuSckdK0PG/iTW9J1bw/pOgxWkl7q1xLAHvGIjXyxlunXik/bqXJ1K+s31Mn/hHPFYxk6d/30/+FO/4RzxZ6acR/vvz+lbn9k/FDuvhz8fM/wAKojXvFug+MtC0bxJb6VJDqy3Biex35QxKGOSw9Ca1m8VTjdk/WUyl/wAI74r7x6cPq7j+lJ/wj/ir+5pv/fcn+Fani7xFrtr4l8P6F4eh083mqRzzFtQJCIsYBwMDqcmpf7L+KH9zwyP+BS//ABNXGNeaUkH1gxv+Ef8AFn/PLTvb94/+FH/CP+LP+eWnfi7j+lXrHXvFel+NrPQ/Eltpjx3lrJcxSWAcldh77h/hUmv694ibxfZ+HvDUOnGWW2e6kk1AkYAPGABXO3ieflQfWfIzP+Ef8Wf88tP/AO+5P8KX/hH/ABXzmPTvwd/8K2xpfxRY4x4d54/5af4VV8N694jXxle6B4ittPMkVot2kljuxsJxzuH+FaSji4q5osSjM/4R3xX/AM89PH1dx/Sl/wCEd8V/889P/wC+3/wrQ1TX/EuoeO5/DvhyHTV+y2i3Mkl9uz8xIAGPpVz+yviiP+hdH4yf4U1DFtXYfWUYn/CO+KlUny9OH+9I4H8q2/Aug6lo95ql5qJtjLebNq2zFl+UEd/qag8K+Kdel8Va34f8RwWAurC3huVm0/JV0kOOp75qG68QeMNX8bavonh6DSki02GCRpb53LMXGeMVz8uIq+4xVMRFxHa74Z1qTxDfajYPafZ7hEA85yCNtU/7B8VYwxsMnphmOa1V0n4pcZHh3AOeWlxUfgvxNrmq6xrmk6+toLzTZI13WRLJtZc969JV8XQgklscalGRQbw74nznbYAH+87jn8qa3h/xPnkWP/fb/wCFTWmu+NvEniTXLTQYNJisdNlWAtqAcOzFc8YFaJ0v4odSfDo/7+D+lbxr41q9tx+6XvAui3fh+xuReGKS7uLjztsJyBniuc0OPx94FvtfGjWmj32n6lqUt+kl5JIjrv6qQB6ir/gHxNqXiCPWYNXt7aPUNNv3spWtWyjFRnIz7V1WRnIAB/2RjA9K8T29elVcmh2jJHO/8Jz8U/8AoEeG/wDwJl/wo/4Tr4p/9Ajw5/4Ey/4V0e73o3e9bfX6/Yj2Rz6eOPii7ANpHhvaRz/pMv8AhXQ/AvS7vQ/A5hv2h+2S3k08q25LIpds4BPanK+1gQeRWr4HkP8AYac5/evnJzXo4PEVK0mpmVSPKjrPNpPNNVt/vR5lenHYxWxZ800VW8yiqKKvmCvOPipfQ2fiPwZNczx20CXkmZZjtVSVwAT713272NUdU0my1qERahZRXsQO4JOocZ9cGgDmm8aaHuB/tqwVeuWuF6evWq958RPDljbvLLrdk4XjbHKCSe1ZvxS8DeH7H4f+IJ4dEsYZI7b5JFt1BAB7cVJpfgPw8NLgLaLYtugjyGhX5vl60AMtfGWn68N8+t2FhZlcrGs4aR+e5B4FaOn+KvC+lqI7fWdOjDEf8t1LEkcE/jXP/BvwTod94Ljll0azdzcyqGMQOAGPqBVa28FaE3xS8R2zaHZ+XFZW5RPJGMnv0oA2734jaVdTNY6drOnmf73nSSgKPw7kVPY6v4b00tcPrunzzP8AM88twCR+PYVzPiLwnoa/EDwXEmk2MfmS3G5ViX51CDH4Amtr4reC/D9r8P8AWZotHs4mSEDcsSgjDdaANS6+IHh21V3fW9PcqFHy3AJ5PP4YrLh8TaV4gZbq91nT4rLdugtftAzgfxNzg1Pb+AfDg0+FjotiSYUY/uFO4laofB/wX4f1DwDZyXOkWM0m6VSzwg5w59uwoA6RvGnhuOMr/b+nRjjKeenboevFR/8ACceHdxA1/TSegH2gZJ71xtn4N0K6+Jniq3OgWTxQx2/lxfZl4LLk9B60/VvBehW/j/wnAuiWcccwudw+zgchRgEY96AOz/4Tbw8v/Md0/aRnd54GBTD458Of9B+wHbb5y9fzrnPjF4L0DT/h5qUtvo1nHKjRBZFiUHG8cdK0T4B8NfZGYaDYA7N3ywISfkHTigDVXxp4fdQy67p7L13LOvSkfxx4fUANr2nKe/8ApCnH4ZrA+E/gXQLzwLpss+kWbSSFvnMCkkbj29qx/D3gnw9J488XwvodiwjeDarW6/Llc8ccZoEdqPHHh04C69pzN6C4XnHX9Kf/AMJpoKrltc08L/eM6gD61xOqeDdAT4neFIE0e0SKSO5LIkKEMQoAJ57ZrT+M3gnQLXwNPLBo9nA/2mH94sKjHzDIoCx0TeOPDq9de04H/r4WlPjjw9z/AMT3TyvQETgg+p+lY914D8OtayN/YdicpkfuV5O0Diq3wh8GeH7r4d6NPcaLZyyvGWaRoFyQXNAWN1vHPh5Tj+3NOzkg/wCkqe3FC+OvDrcDXtOLdcC4Fcb4b8G6FN448YRyaNZbEnh2gwDCZXPTFS3HhHQk+J/h62XRrOOOSxuWaHyUAJXADEfjQFjsD448PgYbXLBfVmuFAqM+OvDoxjXtP3E4C+evbr3rmfjB4K0Cw8HrLHo9nGRdw5fyVBOWGR9K1r3wD4bTTrrboWnK4gZsiBP7mPSgLGpH420FlB/tzTz7rOuOmTSN448PjIOvaaCOD/pC8GsX4X+BPDl18PtDmk0eyaSS33sZIhu+8RzxWR4a8IaBceK/FqS6LaSJHeRhVa3GEyvQcUBY67/hOvDuQP7e03P937QufrT38beH4+uuacB13G4XFcbJ4N0D/hamgQLotkI3spyYTAAHIAwenvVz4u+CfD9n4Tjlh0ezjf7XCCywL3cAjpQFjpf+E68O7j/xPtPAyR806+n1oj8c+Hm2513TjkgfLcKc8ZyKydZ8B+Go9Nvf+JDp4ZYf+fdM528EUvwt8C+Hrr4f6HcS6JZPMbcMXaFdzZYj0oA1m8deHVb5te01R0/4+VJB70kfjjQJMAa9prNzlRcLn6iuI8K+CdEu/E3jHfotnJ5N+qBfIBChl+lWv+EL0D/hbejwf2NZrG2mXEpjFuApbeOTmgZ2L+MNCVcnW9PUDqzXKgUz/hO/D4OP7d00Y7faFNcp8ZvBeg2Ph+weHR7NS2pwIxWEAkFuRn04rT1jwF4ctdC1Bk0PTw6Wjnd5S/3eCPegCzeav4Zvplnt9d0+1uj0mjnABxzz+FR2nxM0ezvYrLUdV09Lg8LMlwrKfrSfDPwLoF14B0CeTRrMzvaxsxaBc7uc/Xiuf8G+D9Am1zxeraHZMkeocboAQvHbg4oA6vUNf8L6kP3utWAkU7lkW4QMO2evTNU5PG1h4fjDXGtWN7Y4zuWdQ6e+M81iW/gvQP8Ahb1jANE09Ym0qVwnkoQx8wckH/CrXxX8E+HrHRdNkg0WyTOpQI5WBQcFuece1AjoIfiJ4auI0ZdcsV3dpJgp5qzH4x0G4kURazZMD8y/v05HbvWD4q8E6Avh3VVj0ew8xbOQxv5KZGEPP1q18PfAfh2bwXocr6HYyPJZROzPbqD0xzx70AW/hDdQXUfiSa2mW4tzqkjLKnIbOBxivQ/MFZemaXaaNbLb2NtFaQKSRHAgQcnngVb3N6frQMs+YKPMFVtxo3GgCz5go8wVW3GjcaALPmCgvkEDr2qtuNG40AcB8RLqOLx/4RkeRUTfON7EKPu8Dnvmt77dC3H2iEuc4HmL2/GpvEng/SfF0UMeq2i3SwnKZJG38q8y+K3wt8M6D4A1S9tbAxXMaxqknnNkfvFGevuaBHpH261zxcw9SP8AWLxgd+aPtkPH7+LPp5i/41wq/B/wt9iWQ6adzRBt3ntknA561k/Cn4YeHvEfgm2vbuyaWWSadS/nMT8rsoHX0FAWPUPtcPaeH05kXB/Wk+2QscLPDnqF81ePrzXlGnfDXw9dfETxPp8tozWttFbtDEZmwm5QT396TWPhv4ds/F/hK2h09vLvbm4WVfObDARkgHmgD1kXsDcieL1A8xc4/Ol+2wLnNxDx1Pmpx+teefEf4U+G9D8D6nd2untFPGihWEzZA3fWprT4S+FzYwmTTi7NApfdOwOSuc9aBnem+gUgNPCM848xeP1pPt0Py/6RCoboTIv+NeafC/4VeG9Z8GwXV3YtLK08wMnnMTw5UDr6CqEfwy8PN8Utc017NmtIbSGVY/ObAZuvegVj1tbyJ/u3EPTOPMXj680fbYiMiWIn08xM/wA68n8QfDbw7Z+L/CdrDaukV9dTRzBZWwwEeQOvrWr8TPhP4c0fwLrF3a2bRXUce5HErZB4Hr70BsehfboOc3MIA6/vF4/WhryBSMzxKT/CZFz/ADrhNL+EvhSTTbJ5tNZ2e3jdi0rDcSuSetUvhZ8LfDeteGDc3lm08ou7iMyGZj8quVA6+gpjPSWvoP8An4hCnkEyp0/OmrfW/X7RDjqcSL0/OvKIfhn4ak+JWv6a9kTbQ2cDInnuACx69ak8RfDPw5b+J/CMEFnshvL2RJEWZsMvl5weaQrHqv2yHjNxD/38X/GkF7ATj7TCT/10X/GuF+IHwn8L6X4O1a8g09kkhiLIVmbIOcetQ6L8KfC02k2U0unMZTBG5BlYZLDr1oCyPQftcP8Az8Qj/tov+NAvYcD/AEiH5hkHzFx16da8z+Fvwt8Oa14aee5s2kdb6eIN5zH5VcgDr6CqzfDXw43xI1DTfsJ+yrYxzKnmucMWx60Aepi+iz/r4PU4mT/GnfbIvlHnREnriRf8a8l8SfDfw5ZeIPCVtBZFYrzUHSTbK3K+Xkg81ufEL4T+G9J8Ea7dWlk0dxDbSOjiZsggHHegZ3v2y34/0iH/AGv3q8frR9qhC5aeFf8AtovP61wHh34UeGLrSNLml03MktvHI2+ZhuYgEnOfeqPwq+F/h7VvDt3LeWjTvFqFxCrNKxwqtgAHNKyA9N+2wLyZ4cZwD5i9uvel+2Q9PtEORwR5i9fzryif4Y+Hl+Kl9phs2+yJpccqR+c2N3mEE9fQU3xT8N/D1rrXhqGGxaOO5v8AZKvmt8wI6daYHrH26Hp58JPp5qf40fbIennw5/66rx+tcV46+EPhfTfBus3lvp3lXEFnLJG4mbIYKcHrVLQPhX4YvND06aXT2ad7ZJGLTMMkqDnr70AehfbYOP8ASIBnpmVP8aPt0OAfPg+Y4X98nJH415j8Mfhf4b1fR7+W6szN5d7JGjPK2MBsYzmob74ZeHovio2npYlbJdIjnWIysBu8wgkc+gpAep/boW6XEBPp5q/40ovoegmiJ/66L/jXkfjL4a+H7G98OeRZtAlxfJFJtlOHUkZHXvXUeMPhD4WsfCOr3MFk0c8NpK6OJmyGCnB60wO0+3Qf8/UGO/7xeP1pTeRdPPiB95F5/WvN/C/wq8M3ehaXcTWLSSTQRyPulYEllBPf3qv8MPhp4d1i21p7yza5ki1OVIz5rnYo4A60AeofbIf+fiHGcZMi9fzpPt0OSBcQk/8AXRf8a8rvfhp4cHxWGlmzYWa6SJjH5zfeD9evWofGXw28N6bc+HltLF0S51GKKT962CuRkdad2B619sh4xNFn/rov+NJ9sh3f8fEPPbzFz/OuQ8UfB/wva+F9WnisXjlitJHRllbKsEJBHPrWJ4Y+F/hvUPD+jXM+ns08sCsx85sklQScZ96QHpLXsH/PxCB0B8xefXHNc9YTpN8ZLZ43WRRovzFGDbcy5AOO+TXKfDn4W+Gda/4SH7RYsyW+pSRQ/vnJVQMYHNemeGvAWieEbqa50y08i4mXY8jOWJXOccnpQB1fmCjzBVbcaNxoAs+YKPMFVtxo3GgCz5go8wVW3GjcaALXmCuZ8fsG0NP+u8X/AKEK3NxrmvHjH+xU/wCu8X/oQrjxn8FlQ+IqpLiMDttFHnD1qsrfKOD0Henbv9n9a+WWx1ljzaTduYZqvu9j+dOV/mHH60MFucv47b/ifeBf+w3Gen+yK9kO3P0HpXi3jht2ueBv+w1H3/2a9h3HLfhX0OC/hXOaqeafGB/+K2+Gx7jVJT/45Wf4skP/AAs34fHOT9uvCcknP7sf41Z+L758afDc4/5icnf/AGKoeK2/4uV8P/a9vP8A0WtKaSxKsEfgPafM9h0ryv4nNn4qfDwkAnbqB+YZ5Ma+temeYdw+leW/Ex8/FL4enH8F93/6Zg104rWlIiO426b/AIvL4Exkf6Df5wTz8gr13zPc/nXjt23/ABePwMf+nK+/9AFesbsc5owv8GI5Hmfjhv8Ai8XhgE7v+Jbcdec8j/Go9LmP/C7rNc8HR27n+9R44b/i8Xhn/sHXQ/Var6Y3/F77Ln/mDv8A+hVyL/ebGn2D2AMF5HWvJdQI/wCF33xKq3/Elj6qD/HivUDJtryrUG/4vff/APYGQf8Aj9dOMb9mzGGsibwW/wDxfDXxk4OkW/GSB/rGr1zeByOD2IryHwHDJefHfWIIhmWXS7aNBnGSZCBX2lD+z/4Y8K6bDL428VCyupgSIbSVEA78FlYvx7D8a2w7/dxuS/iPilDn46eMsfw6VZY74+arnw6k/wCLu+O8cf6NY9CR1Q5r6gl/ZM8D+Ltc8Q+Ifh/42fUtdmtIbe5sbm4hmSPb80YYIqtGWHds18w+D9MutF+NvxEsb2Bre7to7KGSNj0YIcjPf1rjhGUK9+hUvhPUlYDHFePeH28z4neOd3zfvbfrz/yzNesBvSsv9nn4L33xZ+K/xElF7DpulWM1qLq5k+ZwTETtVM+3XOB79K2xibjoTE4v4PSbfFHjojHOoqTwO8eK9RaT5TxXqHgv4FfAvR/EevWen/Ee5vtXuLlTexjULYpFKBjaCIsL9CxNVvi58ELv4b26aja3X9paNIwXziu14yem4DjB9a6ofAkwZ8o+AWzr3jnJz/xPZevP8Irs/M964jwDzr3jkAEk67KMDr90V9BfDv8AZz8YePpo5GsZNE0wn5r3UFKZH+zGcM31xj3r5ipTlOq1E6U1GJ5l5po8016d8f8A4Uab8Jdb0mw025vLtbm182WS6Kk7wxB2hVGF475+teV7qzqQcJNM1UuZE4mOa1/A8n/EhT/rq9YO6tTwS2NDTv8AvHNehl/8Qxq7HVeYKPMFXPC+hT+KfEen6RbA+beTrED6KSCW+gXNdp8bfAegfDnV7HS9Iub66u3i864N3IjKin7oG1F5O1v0r3kc8djz/wAwUVV8z3oplHpX/CudK/v3P/fa/wDxNJ/wrfSf71z/AN9r/wDE1a/4TjRP+ghH+R/wo/4TjRP+ghH+R/woIMbXfg7oPiLRrzTLp7z7PdRmJykoDAH0O3g1y8f7MegRxrGuveItijaF+3cYxjH3a9B/4TjRP+ghH+R/wo/4TrRP+f8Aj/I0Ac/4X+CPh7who8Wm2T3vkRktummDsSTkkkrXA+K/gXoupeKbvU4tQ1OwumRbd3tbnZuVemRjrXr3/CcaISM6hH+R/wAK5LUPEdjNeTSLdI6s+RgH/CgpHAaT8DdJ07W7TU5dS1a9uLMMIDcXRZU3AA8Y9q6bxD4B0vxNot5pl684t7qPy5GjcKwHqDjg1o/25Z/898/nS/27Z/8APYflQM4D/hQdgsexfEevBRgBPtpxtHGOVrr/AAz8PtK8K6PBp9m0/kQ7sbpNxOepPFaH9u2f/PcflSf25Z9pwPwoA43WPgfouqa9d6umo6rZXd0qJN9muNivtGBkYpukfA3SdN1+01dtT1S8u7USCL7TOGVd4APG0eldr/bln/z3B/Ok/tyz/wCe/wDOgDN8SfD/AErxVpM+m3rTiCUDd5bgEYOcg461zB+A+nbdo17XNnQqbw4I9OnSu6/tyz/57D8qT+27L/nsPyNAGX4X+Hml+E9DttKtHnNtbrtTe4Le+TjnNc/rXwM0fUdau9Vg1LVNPvLvYJja3OwNtGAeBXaf25Zf89wPwpf7ds/+e4/KgDi9D+CWkaTrtvq02oale3durrCbm53hNwAOOPat7xT8OdK8X6JPpl5Lcpby4JMUgVgR0IOK1f7cs/8AnuPyo/tyz/57j8qAOC/4UPZyJIreIdcAOcJ9s+UD05Wuq8N/D/S/DGi2umWjTeRbrtXcwJx3zxWn/bll/wA9x+Ro/tyy/wCewz64oA4rVPgXomoaze6nFqOqWVxeFTOtrc7FcqMDjbUmifBXSNH1+HWDqGq3d5DE8MZurncFVsZ7e1dl/b1n/wA9x+VJ/bln/wA9/wCdAGP4o+HOk+LtHl02+e4EMhVt8cgDKR0IOK5xvgLpsiujeINcaNwVZPthwVIwV+70xXd/25Zf89x+VH9uWf8Az3H5UAUvD3gXTfDej2umWsk/2a3XanmOGOPfjmuX1T4F6Pfaze6lb6lqljPeOHnFvc7VcgYHG2u1/tyz/wCe4/Kl/t2z7zg/hQByGgfBfRtB1mLVGvtRvbuONoomuZgwRWxnHyj0rW8V/DPR/GWjtpt890sDMrhoZArKwOQQcetbH9t2X/Pf+dH9uWf/AD3H5UAcFJ8AtNmWRZNe15lfOVN7kEHtyvSuw0HwJpvh3R7XTrVplt7dNibnBYD64q9/blnnPnjpjoaP7cs/+e4/KglnC33wJ0e61nUNRh1HVLSS9kEsyw3O1SwGOPlz+tWPD/wV0nQ9eXVWv9QurpYTAhuZw+FJycZWuy/tyzP/AC3H5Un9uWf/AD3H5UDRieMvhhpPjXTBZXzXGxJFmR4pArI65wQce9c63wD024hkhm13XHhkVkeM3nDKeCOVrvf7cs/+e/6Uf23Z/wDPegZS0PwPpvh/SLXTbZ5/s9tGscYZgTgDA5x1rlr34E6Ncatf6hbalqmnzXsvnTLa3WxS2McACu3/ALcs/wDnsPyo/t60H/LwPyoA5Pw78F9G8P6w2q/btSvL3yTAJLyfzMKW3HHFaPjD4Z6T4x0tLK8kulRJVmSSGQKyOM4IOO2a2/7cs/8Anv8AoaP7cs/+e4/KgDgJv2f9MvIJYZ/EGuvFKpV0+2cMp6jlemK7PSPBenaLptrYW7TCC2jWOMMwJwFwO3tVz+3bP/nv+lH9uWf/AD2H5UEsP7Atf78v5j/Cj/hH7X+/L/30P8KT+3LP/nuPyo/tyz/57j8qBC/2Ba/35fzH+FH9gWv9+X8x/hSf25Z/89x+VH9uWf8Az3H5UAL/AGBa/wB+X8x/hR/YFr/fl/Mf4Un9uWf/AD3H5Uf25Z/89x+VAC/2Ba/35fzH+FH9gWv9+X8x/hSf25Z/89x+VH9uWf8Az3H5UAOGgWuRl5cfUf4Vi+NPhvZ+MvDN7pEl3Pa/aQB5qbSVwQwIBXB5ArY/tyy7zgj6Uv8AblnjHnj8qAOC/wCFRa4IvKXxncqu3aP9EjwBjHpW94J+G9l4N8P22mLcTXDRl2aZto3FmLE4AHc1v/29Z/8APcflR/bll/z2H5ZoKRwGrfBWebxRqWsaV4iutMe9WNJEWFHztAA6j0HNLp/wZn/4SLTtU1TxHc6l9gdnhhaBIwGZdp6Dpiu9OtWTdZl/75o/tyz4zODj1WgZleLPh7ZeKfD95pMlxPbrcJgzKVJXuCARzzXKD4S67HbpFH40uAEAVR9kj+6OP7tegf25Z/8APcH8KX+3LP8A57qD/u0AYPgf4a23g/w7a6a13cXjIzuZpCoLMzFugA7msPWvg3LeeLLnW9L8QXWkTXEKQSr5KOGC9Ooruv7ds/8AnuPyzSf25Z/891/75oA4Sy+DN1J4i0nU9W8S3WopprvJFD5Eagsy7ecLXT+LvAFj4q8N3+kvPPAt0nlmRdpK5xzgjnoK1P7cs+f34ye+2lbXbNv+WwH4UAefQ/CHXba3jt4vGl0sESBEBtI+ABgc4rpfBfw5tfCOhQ2H2ua7cySSvM+FLMzFjwAO5rb/ALcs+04H4Uv9uWf/AD8D8s0Es4bXPgw954ouNb0vxDdaRPcwpBKvlI4IXoelM0/4M3T63pWo6t4mu9TWwkaWKFoUUbiu3sOmK7z+3LP/AJ7r/wB80n9uWWSfOXP+7QNGZ4i8C2XiTQNQ0x5poRdRmLzFIJXPQgEetclb/B3XLS1htovGV0kEKBE3WsZOAOMnbXoH9uWf/PcflS/27Z/89x+VAznvBPwztPBegjT3vJ7uXz5JpJ3wCzOxPQAdzWXrnwgfUPEsms6X4gudJmlgW2dUiVwVBznkV2p160PJnBPfjrQdetD/AMt/50AcBD8GLybWNIvtV8S3WpRafObiKL7NGg3bdvJAzjFdb4k8C2PiXQNQ0p5po47yFoXdSpKhhjI4rR/tqy6+cPyo/tyzxjzx+VAHntj8H9a02zt7aDxjdRQQKI41a1jOFAAH8PtXQ+BfhhaeC9Fax+3XF7LLPJcPM4Cks5ye2MV0P9uWW7PnL+VKdcs2xunDY9c0Es4zxF8I31LxM+t6Zr1xpU8lqLV1WJZAVDFu49TVOH4M3U2sadfap4ludSisZfNjhNvGuW6dQOld8NcswMCf+dKNcsuvnKT67aBoz/EPgWy8RaBf6W800KXkDwNIpBKhgRkDHvXGWHwc1uxtIoLfxpcJDCgjRWtYztVQAP4favQ/7eswcicD8KP7ds+P3yg/7tAznPA/wxtfBujvZNdzXk8k7TtPIVG5mOTxjFUPEnwlbVfEi61puuXOlXX2UWbBY1kygYt3Xrk12P8AbVl/z2GfXBpf7csx0n/nQB503wPu7zU9NutT8T3V9FY3CzpD5EagkeuFruNa8F2WtaPe6fJJKkd1C8LMuCQGGM9Ku/25Z9plH/AaP7es/wDnuPyoA87svg3rOm2cVnbeNLqG3hVUiX7LGdqqMAZ29eK3vAXwsg8G6fd28moXWozXFw1y80iqnzN16DpXTf27Z9PPUDv8tJ/bdl3mU/8AAaAOM8R/CF9W8UR63pmvXWkXX2X7I4WNXBXOc8rVE/BW9vr/AEu41TxPdX8FlOtwsJt41yy9OQvSvQv7cs+f3+M/Wj+3LP8A57KD/u0AU9X8H2msaPfWDyzIl1A8JZSCQGUjPT3rg7D4L6zp9nBa23jO6it7ZQkKNbRlgAMDnbXpH9u2eMeePypP7asv+ewH4UAc54H+F9v4Rs7uKXUbjULm6uGuZJ3Cr8zdRwOldN/wj9r/AM9JfzH+FN/tyzHHn8enNH9u2f8Az2H5UEsP7Atf78v5j/Cj+wLX+/L+Y/wpP7cs/wDnuPyo/tyz/wCe4/KgQv8AYFr/AH5fzH+FH9gWv9+X8x/hSf25Z/8APcflR/bln/z3H5UAL/YFr/fl/Mf4Uf2Ba/35fzH+FJ/bln/z3H5Uf25Z/wDPcflQAv8AYFt/fl/Mf4Vz/jfw3aSaOoMk3+vj/iHZh7Vv/wBuWXecY+lZ+uXFnq1j9nF4IX3h923PSubERc4cqLjvcwh4Xs1AG+X0+8PT6Un/AAjNn/em/wC+h/hVtoS3/MYH/fk0n2c/9Bkf9+a8b6rLsdPMu5V/4Rmz/vTf99D/AAoHhqzyMvLjv8w/wq19nP8A0GR/35pfJJ4OsAj/AK40nhZW0Qcy7nH+MPCNjJrPg0lpg0erowww9APSvVF0G07yS8/7S/4VxGvaDLqxsXi8QrBdWdwLiKQwZAI7Y71IY/Erf8znB/4LxXrYam4w5WjKbTMv4oeFbK48WeA3aSUmLUZGAVl/ud+KpeJvCNi3xB8ESF5g0d3csAHXugHp7VqXnhu/1nVdMvNS8VLdLp8hkijFkFyxGDk56VJrnh+bVL3Tr238RpaXdhK0kZ+yhgdwwQaUqbdVTIvZWO7/ALAtOvmyZ/3l/wAK85+IPhWxuPiN4Fl8yYNHHebSGUjmMZzxWrs8R4yfGcIP/YPFUm8P399rlhqWo+Koro2W/wAoLZheWABz+Vb1oe0g4olM5bxRpsWl/GHwB5bOd9pqAPmEdkTGAPrXoTPjvgepBrifHvgfVNd1zQNY0vxQlpe6ak8eTZh1IlCggg/7orO/4Rnx71/4TS1z7aUgNOjT5IKL6D3KnjaXd8XvDLArg6dckHIx94D+lRabIP8Ahd1kc/8AMIYckf3u3rUkXw41+78SW+sar4oW+nt4XhijWxVAu45JPPrTb74a6+3iK31rTfEqafdrbm2bfZLIGXOe5rBUP33OVzWVj1RmC8k4A5Jwa8p1F/8Ai91+cjnR06Ef3z/hVz/hF/H27I8aWxx6aUmagsfhrr6+JJ9Y1HxQuoXctsLfiyWPYoJI7+9VioOUHFERdtQ8C3Uth8d9YuIX8meHTbd0Y4JVhISpx9cV6/q2tXeuahNf6lcy3t1L/rJpslj7ZPQe3SvHZfhr4htvE0+uaX4njs7qe3W2lElirh1BJBPPvW94d+HPxP8AE+qwafpfiiO8vZOVij0lAevUknCj3NaUY2ppBvqei/sh318v7Z3ie3hlk8ibQ7czxhyUO1ep7E8jBx0OO2ai+Mws4P2v/iV9j8sO2n6aZ8H/AJamMkk+5XA6V7R8MvhrpX7I+h6v4p8Va4niL4i65bxwF44hEEiQHZDGg/5ZhjlnbqT24FfJPiXwn4v1r4heI/F8Pi1bO+1yRJLmGSwV0VlBARST90DAAOaaTT1A+oPHXwCufA/gZPEba1FekeUZLVYTGBvIA2vuO7rnoK+WvCPi3VtP8WfETRbTUJYNMvJ7Zp7aHaBIRGcZPXH+z09q0Ltfivf6fDYXPxKkubOH/VW81oXjTHTClsDHQVj6F8MdZ0vVNV1G68SC6ur+RTJJ9jVFTauPWscTGUo2iEbReo/4SyKfE3jnOwg6iuEYjH3eR9K+9LG4mvv2U5p9VcyEWUnlSyY+YByImyepI2/mK+W/gP8AsieNfEfim616XxS+leE7u4W4u2awRZJlA+ZIiegOMbz064NemftSfEa817RLDwP8PdXt9K0yxKG6vFthMJAmQqJkgBc4JPOSABit6d+RJ7kve58w/B3Wv+Ed8feJNWMIuBY+JReeVvAEmxlbbk5xnGMkGvqnS/2lvE3xK+JfhrTV8vSNIk1CFXtbU5Mg3A/M+cn6DFfKvhf4Z61oLapNP4jW7u9QujdSSLaKgDHsB6V6Z8GPDOpwfFbwnLLq3mhdQhYo0A+b5hkZ7V5Hsa0at4vS5q5Rsev/ALbb7fG3h8ntYMBzg/favnIS5IGf8/nX0Z+21o15qfjbQJLfUfsirYMDH5QfPztXzh/wieq/9Bj/AMl1rOvh51KjkjSMlYk8zgc9f8+tangqQDQ0xkne9Y48J6muM6upA/6dxW74e0ttIsVtDK1ywYndt6k9hXThMPOnLmYptM+lP2WfC8Z1HVfFV4oS00+IxRSN90MRuc/gpxXknj3xdJ4y8Xapq8rELczExqeixjhB9MY/EmvdfiC4+D/7PuneHEYR6rqq+XLt4PzfNKR9AQtfMfmDJPTPGPx4/KvXMEWd/vRVbzB60UFFbzD/AHj+dHmH+8fzplFArD/MP94/nR5h/vH86ZRQFh+8/wB4/nRuJ6sfzplFADt3vRu96bRQMdu96N3vTaKAHbvejd702igB273o3e9NooAdu96N3vTaKAHbvejd702igB273o3e9NooAdu96N3vTaKAHbvejd702igB273o3e9NooAdu96N3vTaKAHbvejd702igQ7d70bvem0UAO3e9G73ptFAx273o3e9NooAdu96N3vTaKAHbvejd702igQ7d70bvem0UBYdu96N3vTaKAsO3e9G73ptFAWHbvejd702igLDt3vRu96bRQFh273o3e9NooAdu96N3vTaKBjt3vRu96bRQA7d70bvem0UAO3e9G73ptFADt3vRu96bRQIdu96N3vTaKAHbvejd702igY7d70bvem0UAO3e9G73ptFADt3vRu96bRQIdu96N3vTaKAHbvejd702igY7d70bvem0UAO3e9G73ptFADt3vRu96bRQA7d70bvem0UAO3e9G73ptFADt3vRu96bRQIdu96N3vTaKAsO3e9G73ptFAWHbvejd702igLDt3vS7j03cUyigLD93v+tG73/WmUUBZD93v+tG73/WmUU72CyH7vlxnik3e/602igB2fmyMA0vmH+9TKKkCTzPfH4mk3c5zTKKYWsP3+pz+NJn3ptFAx31OfrS7s9ce3FMooFYerbaM57j8RTKKAsi/oumXPiDVbPTrJd11eSrBEuB1YgZPtzX0v4o1vSf2ZPCttpOiW8Vz4rv4g8t1PgkcYLn1AY8KPTvXiv7P6hvi54X3DP7/v/wBcjX2prfw98N+KbqK81fRbTULnyxF5k6bjtHIH0zQB+f8ArWu6h4k1KXUNTu5b28lYs0khyTnt6YHYdB2xVIH+6QTzkZHJJz055r7+/wCFLeBf+hV0z/vwK+b/ANqvwlo3hLWPD0Wjabb6dFNDKZEt02hsZ60DPEQwbphv908nuPpxk17J+zz8KbLxteXmva5tbRNLPzRMOJZMBsn1ULnI9xXtP7Q+l2dv8B7lYraNFtBamABR+7+dF4/AkfjUH7LVlBdfCFoJYlkhnuZklRhw6nCkH/gIAoEeKfF74+X3jaSXR9H/AOJV4bjygt4AVe4Xp82OigjoMcdc15G3TGcDJJGOPy6D8K+/B8F/AvT/AIRbTcA/88R6U26+DHgaO2mZfC2mqyoSGWAAg460BofA3Rl42g8YOD7/AKiur+ErD/hZnhjgf8f0Pb/aFciVCyBR0wP03AV1fwj/AOSmeGP+v6H+Ypisj1f9sRgPGOiev2E/+htXz/kei/kK98/bI/5HLQ/+vI/+htXgNILIdu9NoPrivTP2e/Bn/CZfErTlmiLWenj7bMHGRhSNgPuXwPoDXmUYDSKD0Jr6f/ZLtYoPA3iq/jQLeF9vnfxYEW4D8yTTGeb/ALSPjQeLPiNc28M5ls9KT7JHzwWBHmEe+cf98mvKt3vSTTPcSTTSMXlZyxY9SSck/iSfzptIB+73oplFAz//2Q==)

Std cells are not placed in floor plan step-

A picture containing timeline

Description automatically generated

**(4) Placement-** Placement is a step in the Physical Implementation process of placing the standard cell in a standard cell rows.

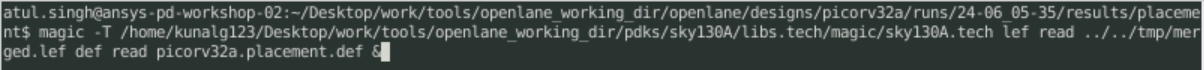
There are two steps in placement:

(1) **Global Placement:** As a part of global placement all the standard cells will place in standard cell rows but there may be some overlap of standard cells.

**(2) Detail Placement:**All standard cells on standard cell rows will be legalized and refined and there will not be any overlaps.

Once the placement is done then we must check timing as well as congestion. Outputs from the placement will be netlist, def, and spef.

Viewing placement in Magic-



A picture containing indoor, electronics

Description automatically generated

Timeline

Description automatically generated

Diagram

Description automatically generated with medium confidence

**Standard cell placement**-

A picture containing schematic

Description automatically generated

**(5) Standard cell design Flow-**

Cloning the GitHub data to the directory-

Text

Description automatically generated

Standard cell [Inverter] layout in Magic tool-



Graphical user interface

Description automatically generated with low confidence

tkcon window-

Graphical user interface, text, application

Description automatically generated

Graphical user interface, text, application

Description automatically generated

**Extracting-**

Graphical user interface, text, application, email

Description automatically generated

**Extracted parasitic through extract all** –

Text

Description automatically generated

**Spice file generated from ex2spice command-**

Text

Description automatically generated

Running ngspice-

(1) Creating subckt file-

(2) Running ngspice-

Text

Description automatically generated

**Plotting output waveform**



Graphical user interface, diagram

Description automatically generated