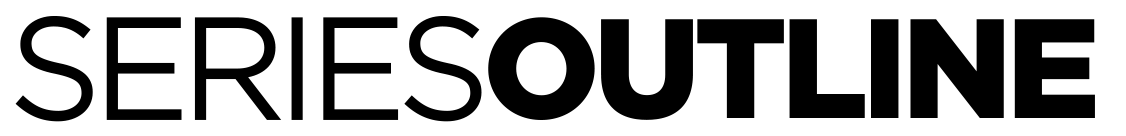
TEACHING GUIDE

**ABIDE**

**IN ME**

![Logo

Description automatically generated](data:image/png;base64,iVBORw0KGgoAAAANSUhEUgAACWAAAAlgCAYAAAAMTQxuAAAABHNCSVQICAgIfAhkiAAAAAlwSFlzAAAOLAAADiwB+ZvuEAAAABl0RVh0U29mdHdhcmUAd3d3Lmlua3NjYXBlLm9yZ5vuPBoAACAASURBVHic7MEBAQAAAICQ/q/uCAoAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAIDZgwMBAAAAACD/10ZQVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVJuz5TQAAIABJREFUVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVYe/OoyQv63uPf5+qnh5AZhBF3I3KIF5beupX1cMmMUOicY9ZHCPeoCYqMTEREzUYl7jc5IqJiUsSDUrcErkJIMa4L3EwKgpTS89AawiDZjHRGKKZGZWZ6e7fc/8A73UBmaW7n6rq1+scjpzj8HveckCark8/PwAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAgNGUSgcAAAAAAAAAsHzmpqaO3jc5+YIc8eTIufEDvyClvTnnP/3iiSde+MRLL10skAgAI80ACwAAAAAAAGBM9drtH805X5wi7nV7vzZFfGx+zZqzT7366v9aiTYAGBcGWAAAAAAAAABjqNdqPS1SektETBzoH5Mj5iYXFn50+pprvrGMaQAwVn7wekkAAAAAAAAARlq/qp4eKb01DmJ8FRGRIqbm16x5d/ZZMgAcMP/QBAAAAAAAABgjvXb7sTniz+JQ34iU81n9Vuvspa0CgPFlgAUAAAAAAAAwJnrt9mmR81/HQd589f1So/H4JUoCgLFngAUAAAAAAAAwBnrt9obI+b0RcdThPivnfN/DLwKA1cEACwAAAAAAAGDEdTudu0fOH4uI45fokXdcoucAwNgzwAIAAAAAAAAYYZ879dT1KecPRMR9l/CxNy7hswBgrBlgAQAAAAAAAIyo6zdsWLtm//73RM7VUj43pfTlpXweAIwzAywAAAAAAACAEZQj0u51694SET++DM/+5FI/EwDGlQEWAAAAAAAAwAjqt1p/FBHnLMezc0p/txzPBYBxNFE6AAAAAAAAAICD02u1XhApPXc5np0iru70ev+wHM8GgHFkgAUAAAAAAAAwQvpVdXaOuGAZj7hwGZ8NAGPHKwgBAAAAAAAARsS2VuvhOeLtsXyf9X6lbjT+apmeDQBjyQ1YAAAAAAAAACOg125PR86XRsTkcp2Rc/7dmV7v28v1fAAYR27AAgAAAAAAABhy2zZtun/k/JGIOGa5zsgRXzpyfv6i5Xo+AIwrN2ABAAAAAAAADLFup3NcWlz8YETcbTnPaeb8G1Nzc/uX8wwAGEcGWAAAAAAAAABDqtvpHJXq+m8j4qRlPupD1ezse5f5DAAYS15BCAAAAAAAADCEup3OmlTXl0XE6ct81LcaOf/qMp8BAGPLAAsAAAAAAABgyOSIFHV9UUQ8arnPShHPr2Zn/2m5zwGAcZVKBwAAAAAAAADwvbpV9Ycp4jdX4KgPtQeDx6SIvAJnAcBYcgMWAAAAAAAAwBDpV9UrV2h89bX5+flfNL4CgMNjgAUAAAAAAAAwJHrt9q/liJeuwFE5Unr6adde+x8rcBYAjLWJ0gEAAAAAAAAARPSr6pyc8+tX5LCc39gZDN6/ImcBwJhzAxYAAAAAAABAYYNW6/E54q2xMp/hfiE3m7+1AucAwKqQSgcAAAAAAAAArGb9qnpYjnh/RKxdgeP213V92qbt2wcrcBYArApuwAIAAAAAAAAopNvpnJoj3hMrM76KSOmlxlcAsLQMsAAAAAAAAAAK6HY6Jzfq+oMRcfSKHJjzp2844YQ/XJGzAGAV8QpCAAAAAAAAgBXW7XROSHX9qYi4+woduStFbGwPBv+8QucBwKrhBiwAAAAAAACAFTS7ceM9o64/Fis3vorI+dnGVwCwPNyABQAAAAAAALBCup3OcamuPxkRD1rBY9/dGQyesILnAcCq4gYsAAAAAAAAgBXw6ZNOWpfq+kOxsuOrf9u3f/+5K3geAKw6E6UDAAAAAAAAAMbd3NTU5N61ay+LnGdW8Ng6UnrKGXNzX1/BMwFg1XEDFgAAAAAAAMAyumTLlubeycmLI+efXMlzU8RrO/3+J1byTABYjQywAAAAAAAAAJZJjmiccP31b4+In1vho69Zt2fPi1f4TABYlbyCEAAAAAAAAGAZ5IjUq6o/TRG/sMJH782Nxv88cefOfSt8LgCsSm7AAgAAAAAAAFgG/Xb71SniWSt9bs75hTO93jUrfS4ArFapdAAAAAAAAADAuOlX1atyxAtX+twU8bFqMHhEisgrfTYArFZuwAIAAAAAAABYQr1W63dLjK8i4sa60Xiq8RUArCwDLAAAAAAAAIAl0mu3Xx4pvbjE2TnnX53p9b5S4mwAWM0MsAAAAAAAAACWQLeqnhc5v6zI4Tm/eWZ29tIiZwPAKmeABQAAAAAAAHCYeu32c1PEawodf8NNN930/EJnA8CqZ4AFAAAAAAAAcBj6VfXrkfNrCx0/nyKedOZ11+0pdD4ArHoGWAAAAAAAAACHqF9VT88Rry8WkNJL2oNBt9j5AIABFgAAAAAAAMCh6LVaT8sRb46IVOL8FHHFDSec8IclzgYA/r8iXwgAAAAAAAAAjLJeu/3EyPniiGgWSvjPFNFqDwb/Xuh8AOAWbsACAAAAAAAAOAj9qnpC5PyuKDe+yiniGcZXADAcDLAAAAAAAAAADlCv3f6ZHHFxREwUi0jpDe3B4G+LnQ8AfA8DLAAAAAAAAIAD0Gu3Hxk5/5+IWFMsIqVr961d+9vFzgcAfkAqHQAAAAAAAAAw7LobN/5kajTeGxFHFMz4VqS0qdPvf6FgAwDwfcpdiwkAAAAAAAAwAvpV9agccXmUHV9Fzvm5M4OB8RUADBk3YAEAAAAAAADchm2t1qMbKb07Co+vIuLdncHgCYUbAIBb4QYsAAAAAAAAgFvRa7cfGzlfFhFrC6f86779+88t3AAA3IZG6QAAAAAAAACAYdNttbZEzpdH+fHVQp3z2WfMzX29cAcAcBvcgAUAAAAAAADwXXrt9hMj53fFEHyemiJesml29jOlOwCA25ZKBwAAAAAAAAAMi35VPSlH/EUMwfgqIj7UHgwemyLq0iEAwG3zCkIAAAAAAACAiOhX1S/liKG4+SpHfDk3Gk8xvgKA4WeABQAAAAAAAKx63VbrGTniLTEcn6EupJSePNPr3Vg6BAC4fcPwxQMAAAAAAABAMb12+9yU0oUxJJ+f5oiXdvr9T5XuAAAOTCodAAAAAAAAAFBKv6qelSPeGMPz2emH24PBY7x6EABGx1AsuAEAAAAAAABWWreqnpcj3hTDM776txTxFOMrABgtBlgAAAAAAADAqtNrtV6QIl5TuuO7LEZKT2kPBv9ZOgQAODgGWAAAAAAAAMCq0q+q8yOl3y/d8d1yzi/t9PufKN0BABy8YblKEwAAAAAAAGDZ9avqlTnipaU7vs9H2oPBo716EABG00TpAAAAAAAAAIDlliNSv93+/Zzz80u3fJ+vLk5MPM34CgBGV7N0AAAAAAAAAMByumTLlua+tWvfEhHPLt3yfRZSxONmer250iEAwKHzCkIAAAAAAAC+x+dOPXV9c9++U1NKp6eUHpByvmeOuGtE3DMijoqIPRFRR867IuI/U0rX5JQ+X9f1tUfNz392am7um0X/B8B3mZuamty3du1f5py3lG75ASmd3+n3f790BgBweAywAAAAAAAAiG0bN56SGo2fTxEPj4gHxaG/SeWmHPHRRsTlEwsL75u+5ppvLGEmHJRup3NUqut3R8QjS7fcir9tDwY/nSJy6RAA4PAYYAEAAAAAAKxSg1brxLrReFrU9ZMipfsvwxHfjpwvTCm9pj0Y/PsyPB9u06DVumNO6f054iGlW27FztxozMz0ertKhwAAh88ACwAAAAAAYJXptdunRc4viIifjojGChy5NyIu2rd//8vOmJv7+gqcxyq3fXr6+Plm8yMpolW65VbcVNf1QzZt3z4oHQIALA0DLAAAAAAAgFWiu3HjWanReEVE/GihhH+vc37mptnZDxY6n1Wg2+ncJ+r6YyniAaVbbk3O+Wkzs7PvKN0BACwdAywAAAAAAIAxt316+n4LzeYfRMTPlW6JiBwpXbRv7drzzvjsZ28qHcN42TY9fVKj2fxYRNy7dMutSumNnX7/2aUzAIClZYAFAAAAAAAwprqdzlFR17+dIp4fEUeU7vk+n1qzsPD46Wuu+UbpEMbDto0bq0aj8eGIOL50y61JEVev27PnoSfu3LmvdAsAsLQMsAAAAAAAAMZQt9M5OdX1uyLi5NItP8TnFycmHnnKtm3/WjqE0dZrt380cn5fRBxTuuXWpIivp5w71ezsP5VuAQCWXqN0AAAAAAAAAEvnki1bmr1W60Wprnsx3OOriIgHNefnr9g+PT2UNxYxGvpV9ROR8wdjSMdXEVHnlJ5sfAUA48sNWAAAAAAAAGOiX1X3yDn/daR0ZumWg/TZ3ccc8+NnXXHF3tIhjJZuq/XTKaW/ioi1pVtuU0ov6fT7v1c6AwBYPm7AAgAAAAAAGAODVquVIz47guOriIjTj9m9+53Z5QEchF6r9cyU0mUx3OOrD7T7/VeVzgAAlpcBFgAAAAAAwIjrtdtPrFP6TETcp3TLoco5bxlU1a+V7mA09Kvq/Ejpwoholm75If55YWLiqSmiLh0CACwvP0UAAAAAAAAwwrpV9dIU8YoYj899vjWxuHjyxh07vlQ6hOF0yZYtzfvv3PknKeJZpVtux95I6cxOv98rHQIALD83YAEAAAAAAIyoblX9rxTxyhiP8VVExB0WJib+3KsIuTVXnn76kfffufPdIzC+ihTxbOMrAFg9DLAAAAAAAABGTI5Ivar64xTxktItSy7ns/rt9v8sncFwuXJq6k5rb7rpoyni8aVbbldKb2wPBm8tnQEArBwDLAAAAAAAgBGSIxqDqnpzRPxa6ZZlk/PLtm7ePFE6g+EwaLXuu3Zy8jOR0pmlW25PivjMEfv2/UbpDgBgZRlgAQAAAAAAjJB+u/1HOeIZpTuW2YZ1//3fbsEitk1PP3gxpU9FxANLtxyAf2kuLv7s1Nzc/tIhAMDKMsACAAAAAAAYEf2qOj9yPq90x0pIKb3ELVirW6/d/vFGs/npFHGv0i0HYG8j5yds3LHja6VDAICVZ4AFAAAAAAAwArqt1pNzxKtKd6ygDcfs2vXo0hGU0a+qn4ucPxARx5RuOSAp/Wo1O7utdAYAUIYBFgAAAAAAwJDb1mo9PKX09ohIpVtWUs75aaUbWHndVuu8HHFJRBxRuuWApPSaTr//ttIZAEA5BlgAAAAAAABDrNvp3KeR0sURsaZ0y4pL6TH9qrpL6QxWRo5IvVbr1Sml18XofI758d3r1/926QgAoKxR+cIFAAAAAABg1bl+w4a1qa7fHRHHlW4pZDIinlQ6guU3NzU12auqd0VKv1W65SD8U240zj7riisWSocAAGUZYAEAAAAAAAyp3Ucf/YaImCndUdjjSgewvAat1h33rl374RRxdumWA5bznnpx8XEzvd6NpVMAgPIMsAAAAAAAAIZQv6qeEimdW7qjtBxx5tbNm48o3cHy2D49fb86pc9EzmeVbjkIOUc8fdOOHdeWDgEAhoMBFgAAAAAAwJDpV9WP5Ig/Lt0xJI5c941vnF46gqXXa7dPW2g2PxcRDyrdclBSeuXM7OylpTMAgOFhgAUAAAAAADBEckTKERdGxPrSLcMipfQTpRtYWt1Wa0vk/ImIOL50y8HIEe9t9/uvLN0BAAwXAywAAAAAAIAh0m+3nxkRjyjdMVRSOq10AksjR6R+VZ2fUvrriDiydM9B+odoNJ6aIurSIQDAcJkoHQAAAAAAAMDN+lX1I7muXxMplU4ZNqP1ijpu1fUbNqztr1v3log4p3TLIfhGI+efqnq9XaVDAIDh4wYsAAAAAACAIZEj/jhSWle6YwjdfcfJJx9bOoJDd9Upp9x597p1H43RHF/Vdc6/UM3OXl86BAAYTgZYAAAAAAAAQ6BfVT8REY8r3TGs9jWbbsEaUb12+39M7N9/dUQ8tHTLoUgRL9g0O/vB0h0AwPAywAIAAAAAAChs6+bNE3XE60t3DLNmSieVbuDg9avqYZHzlZHS/Uu3HKK3tgeDPyodAQAMNwMsAAAAAACAwo7ZtetXUsRU6Y5hVud819INHJx+VT09R3wwIu5YuuUQ/f0R+/f/SukIAGD4GWABAAAAAAAUtOPkk4/NES8r3THsGinduXQDByZHpF67/fIccVFErCndc0hSum7NwsJPT83N7S+dAgAMv4nSAQDDaG5qanKx0bhDRMS3c55sHnnkHSIiGouLayPiqO/+tY26XlxYs2Z3RMTiTTd966iU9u+fnKxner1dKx4OAAAAAIyc+TVrzoucjYtuRzbAGglzU1NH9ycn3xU5/1TplsPwXxHx2OlrrvlG6RAAYDQYYAFjr9vpHNdcXLxX3WjcO+V8fM75TimlY3PEnSLnYyOlO0XEsTniTini2Ii4497v+uPXREQsLNzm8+uUonHLf99YsybmIyLVdfSq6ju/5Nu3/HZj5HxjNBo3ppxvzDn/RzQaN0bEd377z8Vm82uNuv7qTK83v8R/GgAAAACAIfS5U09dH/v3P6d0x0gwUht63U7nhL05/03k/ODSLYdhPtf1lpnt23eWDgEARocBFjDSckQaVNV9FnN+QDOl++SU7h11fZ9I6d4Rca+I+JGo6yPrlCJyjhwRkdLN/3nL7/+/312+zKNu+e24+L6OyPl7fmHz5iHXYreq/iVF3BARN0TON0SjcUOjrr/4rZtuuuHM667bs3ypAAAAAMBKmti//1fj5h8M5fakdHTpBG5bv6p+LNf1pRFxl9IthyWlX5vZvn1r6QwAYLQs494AYOls3bx54uivf/2ExsTEg3JdPzBFPChS+h8RcVJErLZ/6f5a3DzM+oec0mw0Gv0j9+6dnZqb+2bpMAAAAADgwHU7naNSXX8pIo4v3TIiPt4ZDB5eOoIf1Gu3z42c/yRueanEqEoRr2oPBi8q3QEAjB43YAFDp9vpHJUXF6tGo7EpImZyzq20a9eJ0WxORs6R0qrfjh4fEcdHSqeniIi6jr2Tk3Wvqv4xRfTriH7Udb+Z0qCanf3vwq0AAAAAwG2p62eE8dWBS6kuncD3un7DhrW716//s8j5aaVblsDl1WDwktIRAMBoMsACiup2Omsi4uSU86ac86YUsSnq+kEppYnvvJ5v1c+tDkwjIh6YIx6YIp4cjUbUEdFrtb6YU7oqpfTJ5uLi1tb27f9YOhQAAABg3M1NTR29d+3aJ0fOP5MjTkoRkxHxz5HzB3Kz+eaZXu/G0o0MhxTxy6UbRkrOi6UT+P+2T0/fa3ez+Z7IeaZ0yxLo5kbjnBRh5AcAHBK7BmBFXb9hw9o969adllM6K3I+KyJOiYgjSnetIv8WOW9NKW1tLi5u3bhjx5dKBwEAAACMk0Gr9fg6pbdExF1u9RfkvCcajRe1+/0/TRF5ZesYJv2q+rEccUXpjpGS0gc6/f5jS2cQ0e10zmzU9WU54q6lWw5XjvhyI+LU9mDw76VbAIDRZYAFLKtup7MmLy6e0kzprBxxVkScHhFHlu7i//nnSGlrynnr/vn5j5x27bX/UToIAAAAYFT12u3HRc7viYjm7f3aFHFx3Wg8babXm1+BNIZQt6ouThFnl+4YMX/VGQz8OSus127/cuT8hrj5dr9R9826rh+6afv2QekQAGC0GWABS27bpk33T/Pzj0spPSoizoyIO5Ru4oDUkfOVKaX3NBcX3+N2LAAAAIAD16+qe+SIf4yD+F5YjnjvnmOOecJZV1yxsIxpDKGrTjnlzhPz818Obwc4KCniDe3B4LzSHavV3NTU5E2Tk69PEc8q3bJE6kbOP1vNzr63dAgAMPomSgcAoy9HNPrtdhURj4ucHxsLC51I9p0jqBEpnZkjzlxoNv+wV1WfzxHvi0bj/TO93qdLxwEAAAAMszrihekgfxAxRTz+mF273hARv7pMWQypNfPzT83GVwctp/S10g2r1ece/OC77p2YuCzd/EPXYyHnfL7xFQCwVCwkgEPy6ZNOWnfUUUc9IiIemyMeExHHlW5iWe2MlN6TU3r3TK93VekYAAAAgGGSIxr9qvpqRNzlUP74FHF2ezD4qyXOYoj1Wq3PRUqnlu4YNTnnZ87Mzl5UumO16VfVTI64PCLuXbplqaSIi9qDwTNLdwAA48MACzhg12/YsHb3+vU/GTlviYifDa8WXJ1Sui7l/LaFiYl3nLJt21dL5wAAAACU1u10Tk51veMwHvGNicXF6Y07dnx5yaIYWrMbN95zsdH41/AZzcFL6ac6/f77SmesJr12+9zI+fUxXje2fSI3Go+c6fXmS4cAAOPDKwiBHypHNHqdzhmNut6yO+LJkbObrla7nE/KERc0FxZ+r1dVW3POb45m82/8yyoAAACwWqWcTzzMRxy70Gy+LUf8ZIrISxLF0FpsNn8mcja+OjT/XDpgtdg+PX2HhWbzTZHzOaVbltgX1iwsPGH6mmt8PxsAWFIGWMCtGrRaZ9Qpnd2PeGKq6+N914db0YyIh6WUHhZ1/dVeu/2XEfHWTr//hdJhAAAAACsp5XzsEnz/7GH9dvu50e+/9vAfxZD72dIBI2ph/e7d15WOWA22TU+ftDAxcVnk/ODSLUvsK42cHz19zTXfKB0CAIwfP2EB/D/dTue4Rl0/JUc8MyIeWLqHkXVlzvl1XzzxxMufeOmli6VjAAAAAJZbr9V6WqT0tiV41P7caDx0pte7agmexRDqdjrHpbr+SvgB+YOX0nWdft/3rZdZr93++ajrt0RK60q3LKmc9+Rmc/NMr9cvnQIAjCdf4MMqlyNSr9N5SFpcPCfq+pwccWTpJkbeGSmlM+6/c+eX+lV1Yd1o/NlMr7erdBQAAADAsmk0vhJ5Se6Qn0x1/Vc7Tj657YaW8ZRy/onw2cyhyXmudMI4m5uamrxpcvI1kfOvRxq7+xsWotF4ovEVALCcfJEPq9TVmzbdbWJh4an9iGemuj5hDP+FisJSxP1yxAWprl/Ur6q3NxcX/2Djjh1fLt0FAAAAsNQWJia6E/PzOZbmrRP3nW8235kjfipFLMmqi6Hy0NIBoypFGGAtk+3T0/fa22xekiJOL92yHHLEc2b6/Q+X7gAAxlujdACwsgat1qZeVf2f5sLCv+aICyLihNJNjL31OeI5C83mzl6r9dZt09MPLh0EAAAAsJROvfrq/4qILy7ZA1N6bK/Vet6SPY9hYoB1iHJKs6UbxlGv3X7kQrM5G2M6voqUXjEzGLypdAYAMP5ceQOrwCVbtjQ37Nz50znn50ZKZ5buYdXLkfMHGhEvrWZnfdMEAAAAGAvdqro4RZy9hI9cjJQe23Fry9jodjrHpbr+Wvhs5lDkicXFu23cseNrpUPGRY5Ig6r6rRzxv2NcL2xI6V3tfv8ctwkCACthPL+gAiIiYm5q6uheu33uCTfcMJcjLjO+YkikSOmxdUr9frt9ybbp6ZNKBwEAAAActpyvWuInNlPO7+p2Om6wHxMp54eG8dWh+oLx1dLpdjrH9avqQ7e8JWM8PytMaesR+/b9kvEVALBSxvOLKljlup3O3Xvt9h/snZz8cuR8YeRs4MIwSjnnLY1m89puVV3U7XTuUzoIAAAA4FClRmOpB1iRI+6U6vry7dPTd1jqZ1NAXZ9aOmFU5Yi/L90wLnrt9o+nut4eEY8o3bJsUhrc9K1vPX5qbm5/6RQAYPUwwIIx8rkHP/iu3aq6INX1DZHz8yPimNJNcAAmUsTTU11f32u1Lrx606a7lQ4CAAAAOFjrd+8eRMS+ZXj09EKz+c7s5qTR12hMlU4YVY2IT5ZuGHVbN2+e6LXbL4+cPxoR9yjds2xy/uJis/noM6+7bk/pFABgdfEvbDAG+lX1I3XEC1PEL0XEZOkeOEzfzBGvO3L//ldPzc19s3QMAAAAwIHqV9VVOeKU5Xh2jvjtmcHgguV4NiujW1VfTBH3K90xgnJuNO450+t9pXTIqNo+PX2/hWbz4og4rXTLMvtapPSQTr+/s3QIALD6uAELRtig1bpvv6penyOuSxHPCuMrxsPRKeIleycnr+tX1VNKxwAAAAAcqJzzZ5br2Sni93rt9s8u1/NZXt1O56gU8SOlO0bUVcZXh65fVT+30Gz2YtzHVznviZQebXwFAJRigAUj6OpNm+7da7XeWqd0fY54TkSsLd0Ey+AeOeIdvar6eLfTeWDpGAAAAIDb1Wh8ajmfHjn/5aDVOmMZz2CZNOr6QeEzmUOT8+WlE0bRlaeffuQtP8B9WUQcW7pnmc1Ho7Gl0+/3SocAAKuXL/ZhhOw4+eRju1V1QXNh4bpI6RcjYqJ0E6yAn0h1vaNfVa//9EknrSsdAwAAAHBb9u3b98mIqJfxiCPrlN47aLVOXMYzWAZ1zg8o3TCyGo33lE4YNdumpx+8dt++q2/5Ae5xl1PEMzr9/kdKhwAAq5sBFoyAuampyV67fe78xMR1KeL8iDiydBOssDU54jlHHnXUP3gtIQAAADCszpib+3qO+MIyH3NcndKH+lV1l2U+h6WU0t1LJ4yo7V4pd+ByROq2Wuc1ms1u5Pzg0j0rIqXntQeDd5bOAAAwwIIhliMa3VbrqXsnJ6+PnC+MCN9UYbW7R454R7+qPrp9evp+pWMAAAAAvl8j4u9X4JgTcs6Xb928+YgVOIslkHI+vnTDSMrZ7VcHqF9Vd+m32+9LKb0uItaW7lkJKeKCTr//2tIdAAARBlgwtHrt9o/3q2qQUnp7RNyndA8Mkxzx8IVGY3uv1XpmjkilewAAAAC+y0oMsCKL1xZBAAAgAElEQVRSOnP9rl1v872R0ZBTulvphhFUNyLeUTpiFPTa7UfkiB2R82NKt6yYlN5eDQYvKp0BAPAdBlgwZGY3brxnr6reGTn/XURMl+6BoZXSukjpzf2q+tDsxo33LJ0DAAAAcIuVGWDd7En9VusPV/A8DlGKcAPWwftoNTv7T6Ujhtn26ek7dKvqTZHzhyJi1Yz8csR7d69f/8wUkUu3AAB8hwEWDIm5qanJbqt13mKj8Q8RcU7pHhghj1hsNK7ttdvnlg4BAAAAaA8G/x4pXbdiB6b0G71W62Urdh6HJEXcqXTDyEnpzaUThlmv3T5tvtnsp4hnxWq6CS+lrXuOOeZJZ11xxULpFACA72aABUOg124/bu+aNV+45d3sR5fugRF0x8j5wn67fUm30zmudAwAAACwyuX8sRU9L6WX91qtF6zomRyUHDFRumHEfCWn9P7SEcOo2+ms6bXbL4+cP50iHlC6Z4Vtu+lb33r8WVdcsbd0CADA9zPAgoJ67faGXlV9OHL+20jp/qV7YNTlnLekut6xrdV6dOkWAAAAYPVKESs7wIqISOnVbggfYimtnhuKlkCKuGim15sv3TFstk1PPzjlfFXk/LKIaJbuWUk5Ym5hzZpHnXnddXtKtwAA3BoDLChg6+bNE91W67zIeTYiHlG6B8bM3Rspvb9fVa/vdjprSscAAAAAq8+3v/3trRGx0uORFDm/qV9VZ6/wuRyInH0ec+D21o3Gm0pHDJOtmzdP9Kvq/Eaz2Yucq9I9BfxrNBqPPvXqq/+rdAgAwG3xBT+ssH5VbVy/a9dnb3nd4B1K98CYSjniOamuP97tdO5eOgYAAABYXc687ro9KeLqAkc3csQ7eu324wqczQ/n85gDldKFM73eV0pnDIttmzbdf/2uXZ/IERdExGTpngK+Vi8uPnym1/uX0iEAAD+ML/hhhVx5+ulH9trtl+eIbRExU7oHVomHprqe7bXbP146BAAAAFhdcs4r/xrCm62JnC/rtdtu3h8mKS2UThgR+yYWFl5TOmIY5IjUa7fPbSws7IiIHy3dU8iuuq4fuWnHjutKhwAA3B4DLFgB/ap66OTevbO3vJfdK9FgZR0fOX+kX1Xn54hUOgYAAABYHVJKHy14/GTkfFl348azCjbw3XL26rQD8/aNO3Z8uXREad1O54R+u/13kfOFsXrfpPGtFPGoTdu3D0qHAAAcCAMsWEZzU1NH99rtN+eIK1LEA0r3wCo2kSMu6FXVJZ879dT1pWMAAACA8bdzw4arI+LGgglHp0bjA712+5EFG/j/DLBu3/zE4uKrS0eUdMmWLc1uq/X8VNc7IufVPKDcW+f8M+3B4LOlQwAADpQBFiyTba3WQ/ZOTs5Gzs8Mt+7AUEgRT1gzP391t9N5YOkWAAAAYLw98dJLFyPiQ4Uzjoyc39trt3+2cAcpGWDdjhzxxxt37PhS6Y5Sup3OyRt27rwypfQHEXFU6Z6C5iOlJ26anS31GlcAgENigAVLrNvprOm12y9vpPTJiDihdA/wfXI+KdX1ldtarc2lUwAAAIDxlnN+X+mGuPl1hJf0q+qc0iGrWfIKwttz4+TCwu+Wjiih2+ms6VfV+amuuznilNI9hS2miKd0+v1h+P9OAICDYoAFS2h248apVNefi5xfFhHN0j3AbTq2kdJHeu32L5QOAQAAAMbXwtq1H4mI/aU7IqKZI97Wr6pfKh2yiv1T6YBhlnN+2fQ113yjdMdKG7RaZ6S6ns0RF0TEZOmewnLO+VntweCvSocAABwKAyxYAjmi0Wu1XrDYaPQiol26Bzggk5HzO3vt9otLhwAAAADj6bSrrtodEZ8q3XGLZo64qFtVzykdshrVjcZc6YYh9oU9d7zjm0tHrKRup3NUt6ouqFP6+4h4UOmeIZBzxLNnZmcvKh0CAHCoDLDgMHU7neP6VfX+SOn3I2Jt6R7goKTI+Xd77fbbup3OmtIxAAAAwPgZktcQfkdKEa/rV9Vvlg5ZbfZ+85ufj4hcumMI5VzXzz7riisWSoeslF67/chU159PEeeHN2ncLOfzZwaDN5XOAAA4HAZYcBj6VfVjqa63R8SjSrcAhyHnp6W6/mC30zmmdAoAAAAwXvKaNcM0wIqISDniD7tV9TulQ1aTM6+7bk9EfLl0x9DJ+Y0z27dvLZ2xEvpVdY9uVV0cOX8oIn6kdM/QyPnFndnZPyidAQBwuAyw4BBcsmVLs1tVv5Mj/i4i7lG6B1gSD0t1/ff9qvL3NAAAALBkNm3b9sWI6Jfu+H4p4hW9VuutWzdvnijdsorMlg4YKjl/8Yj5+ReWzlhuWzdvnui2WufliC+kiLNL9wyTHPG7ndnZ/126AwBgKRhgwUHaPj19/Ak7d34gRbwiXA8M42Y6R3xm+/T0/UqHAAAAAOMj53xZ6YZbldIvrt+16/Jup3NU6ZRVIaVVcdPTAapTSr80NTf3zdIhy6nb6Zy5fteuXkrpdRGxvnTPUMn5tTODwUtLZwAALBUDLDgI/ar6icVmc0dEPKJ0C7Bs7rvQbH7CCAsAAABYKs2I4Rxg3exxqa6v2D49fXzpkHGXU/p46YZhkSL+pD0YfLJ0x3K5cmrqTv2qen2q609GxHTpniF0YXt29nmlIwAAlpIBFhygXrt9bo74cI64a+kWYNndd6HZ/OSg1TqxdAgAAAAw+qrZ2esjYnvpjh9i00Kz+Zlup/PA0iHjrNPrXRsRXy3dUVqKuHrdnj2/VbpjOeSIRreqfmXt5OTOHPGc8DncD8gRf9weDH4lReTSLQAAS8kXfnA75qamju6325dEzhdGxETpHmDF3LtO6e9nN26cKh0CAAAAjL4c8e7SDbdjQ1pcvLrbaj2mdMi4ShE5cl7tt2D9V91obDlx5859pUOWWrfTafer6jMp4o0RcWzpnqGU0ls6g8F5xlcAwDgywIIfotdub9g7OXllznlL6RagiLstNhqf6HY6J5cOAQAAAEZco3Fp6YTbldK6lNLfdFutXy2dMq5SSheXbiiojpR+YabX+5fSIUupX1V36bVaF6a63hYRp5XuGVopvbHd7/+y8RUAMK4MsOA29KvqUZHz1RFheAGr2/Gprj/Zr6qZ0iEAAADA6Jrp9f4hUhqU7jgAEymlP+1W1Ru2bt7sjQBLbOeGDR+NiH8r3VFCjnh5p9//cOmOpXL9hg1re63WC3LE9ZHSueEzt9t28/jq14yvAIBx5otB+D45InWr6qU54v3hmmDgZsfmiA97HSEAAABwOHLO7yrdcKBSxK+v37Xr767etOlupVvGyRMvvXQxR/xl6Y4Vl9K7OoPB75bOWCq9dvtxu9etm4uUfj8ijindM8xSxEXtfv/Xja8AgHFngAXf5foNG9b2q+odKeKV4e8P4HvdebHR+Oig1bpv6RAAAABgRDUaF0fEYumMg/DQ5sJCt9due63aEpqo67fGaP11cLg+lFP6xXEY4GzbuLHqVdUVkfPfRsQJpXuGXY7482ow+OUUUZduAQBYbql0AAyLq0455c4T8/OXR8RDS7cAQ23n/Pz8madde+1/lA4BAAAARk+v3f5I5PyTpTsO0r6c8/kzs7OvLx0yLrpVdXGKOLt0xwroHrF//1lTc3PfLB1yOLqdzt3T4uLLI6WnR0SzdM8oyBF/3hkMzjW+AgBWCzf8QEQMWq0Tm/PzV4bxFXD7NqxZs+b9nz7ppHWlQwAAAIDRk3IexdfPrU0pva5fVW+58vTTjywdMw5SSv8rxv8WrM9PLC4+ZpTHV1eefvqRvXb7xamu/zFSOjeMrw5IjvizzmDwTOMrAGA1cQMWq16/qh6WIy6NiDuWbgFGSEpb1+/e/agTd+7cVzoFAAAAGB1zU1NH752c/GpE3KF0yyG6JlL6+U6//4XSIaNuzG/B+nxuNB420+t9pXTIodi6efPEMbt2PTVHvCwi7l26Z6Sk9Pp2v/8b4/DKSQCAg+EGLFa1Xrt9bo74UBhfAQcr57P2rF//F9k/SwEAAICDMDU3980UcVnpjsNwcuTc67Za55UOGXXNnF8UESN7O9QP0du3f/+Pjur4ql9VD1u/a1c/R1wUxlcHJ6U/6PT7zzW+AgBWIzdgsWr1q+r8HHFB6Q5g5F3YGQyeVToCAAAAGB3bWq2HNFL6dOmOJfDuRs7PqGZn/7t0yKjqtdu/Fjn/cemOJfTZRs6PHsW/Jm55W8arImKmdMsoyhGvnhkMXli6AwCgFAMsVp1LtmxpnnDDDW+KnJ9ZugUYDynihe3B4NWlOwAAAIDR0auquYh4UOmOJXBDI+enVLOzV5YOGUU5otGvqq0R8dDSLYct50tys/mLM73et0unHIxup3NqyvlVkfNZpVtGVc75RTOzs68q3QEAUJIBFqvK9Rs2rN2zfv1f5Jy3lG4BxkodKf10p99/X+kQAAAAYDT02u3fiJz/qHTHEqlTxJ+s27Pnt07cuXNf6ZhR0+10TmjU9dU54k6lWw5RHSn9Trvf/9+j9Oq5Xrv9P1LEK3LOTwiflx2qHCk9r9Pvv7Z0CABAab6gZNUYtFp3rFN6b4zDTxIBwyfnPc2cT29t3z5XOgUAAAAYfledcsqdJ+bn/y0i1pZuWSo5Yi6l9NROv98r3TJq+lX1YznioxExWbrlIH0z53zOzOzs35QOOVD9qnpQjnhhRDw5Ipqle0ZYzhHPnRkM3lA6BABgGBhgsSp0O527R11/MEW0SrcA4ytHfCkajVNmer0bS7cAAAAAw69XVf8nIp5UumOJzaeIV+465pgLzrriioXSMaOk12o9LVJ6W+mOA5Uirm7U9Tmt7dv/sXTLgei129Mp4iU555+LiEbpnhFXp4hz24PBn5cOAQAYFr7AZOxt27Tp/qmurzS+ApZbirhfyvldl2zZ4ifnAAAAgNuVG40/Ld2wDNbkiP+1bteubYNWa1PpmFHSmZ19e454fgz/a/wWIqVX7DrmmIeMwvhq28aNVa/Vujxyns05bwmfjR2uhUjpqcZXAADfyw1YjLVt09MnpWbz4yniXqVbgFUk59d2Zmd/s3QGAAAAMPx6VbUtImZKdyyTOnK+aH7t2hecdtVVu0vHjIp+VZ2TI/48ItaUbvkBKV2bU3rGTK93VemU29Ovqo2R0otzzk8In4ctlX2R0pM7/f7lpUMAAIaNlT9jq19VD2o0m58wvgJWXEq/0W21nlE6AwAAABgBOY/jLVjf0YiUzp3Yv39u0Go9vnTMqGgPBn+RIh4fEbtKt3xHivh6pPTru9evr4Z9fLWt1drcq6oP5ojv3HhlfLUUct6T6/pRxlcAALfOF52MpX5VzeSID0fEnUu3AKvWvhRxZnsw6JYOAQAAAIbX1s2bj1i/a9e/RMRdSrcsu5T+pm42n7dp27Yvlk4ZBVdv2nTviYWFP88RDy+YMR85v3nf/PzvnDE39/WCHT/U1s2bJ9bv3v1zkfPzY3xvlCvpxhTxKN/rBAC4bQZYjJ1Bq7Upp/ThHHGn0i3AqnfD/ORk2xX7AAAAwA/Ta7d/L3J+UemOFTKfIt60f3Lypb5ncvtyROpV1bNSxKsi4piVOzjvySm9pZ6YeN0p27b964qde5DmpqaO3rt27ZNzzs9LEQ8o3TOmvpIbjUfM9HrXlA4BABhmBliMlX5V/ViOeH9EHF26BSAiInL+y87s7DmlMwAAAIDhNbtx4z0XG40vRsRk6ZYV9JVI6cXtfv8dKaIuHTPsBq3WHRdTek4j4rzl/OHjHPGllPNFaxYX3zR9zTXfWK5zDle307l7o66fkyN+OSKOLd0zxq5v5PyT1ezsP5UOAQAYdgZYjI1Bq3VGHfHhSGld6RaA75YintoeDN5ZugMAAAAYXr12+22R89NKdxTQSxHPaw8GnywdMgo+fdJJ6468wx2eHjlviYjTIqJxuM/MEV9OOV+am82/nun1rjr8yuWzbePGU1Kj8ewU8fMRsbZ0z5jbPj8//4jTrr32P0qHAACMAgMsxkKv3T4t6vqjxlfAkPpWvbjY2bRjx3WlQwAAAIDh1O10Hpjqei6WYFAzilLEZ3JKv93p9z9VumVU9KvqHnXE41POmyOlB0fEiRGx5nb+sBwR10VKn4u6vrKu68/O7Njx+WG+hez6DRvW7jr66J9qpHRejnhI6Z7VIEVcPb9mzaNPvfrq/yrdAgAwKgywGHndTqed6vrj4ZphYLjt2H3MMaeedcUVe0uHAAAAAMOpV1V/GxGPK91RUI6U3ptT+p2ZXu+a0jGjZm5qavKmI444qVHXd80pTeS6XhcR0Uhp32Jdf3VNxL9949hj/+OsK65YKN16ILZt2nT/xuLisyLnX4qIO5fuWUU+PLG4+ISNO3Z8q3QIAMAoMcBipA1arVZO6e+W8533AEsm59d2Zmd/s3QGAAAA/F/27jzOrrq+//j7c+6dyQKZhIDIIgpZCGGSmXvOmckG4kRFQAW0GOq+1VZrbV1+rWuLVdsKorautWoXtVYkal3BBU3UkJDMPefcmWQIIQuyuLIlk5DMcu/5/P5IrCLkTJa593OW9/Px4I/W2vPy4ZmZs3zO90vpVPX9CyWOuQIUEAtwQ+w47+sJgjusY6h11vT1lTuGhy8D8FqoXoaCrghnRYHPw3Fe0xME49YtRERERFnDASzKLA5fEVEGqape3lOrfcc6hIiIiIiIiIjSKXDdWwGssO5IiRiq34DjfMAPw9usY6h5As9bCOBVUH0ZgNOse4pIgGvdKHqnHNymkoiIiIiOEgewKJMCz5snqusUeKJ1CxHRUfrV6NhY54qhoYesQ4iIiIiIiIgofQLPuxSqN1t3pI0At6rIdV4YfpsDIvlw29KlHe1jY89T4GUAngG+s7KiCvxNTxR9yDqEiIiIKMt4MUuZU+vuPrPhOOsAnG3dQkR0TFT/06/VXm2dQURERERERETpFLjuegDLrTtSSWQLgA+PTplyw4oNGw5Y59DRWdPXV565Z8/FCrwIwFUApls3FdyIAC/zougr1iFEREREWccBLMqUqu+fInH8EwALrVuIiI6LyKV+GH7POoOIiIiIiIiI0oerYB2RPVD9spZKH+8Jgs3WMXR4CjiB769w4ngVgD/mzhapsVuAK70o+ol1CBEREVEecACLMmPdggUzpk2f/iMAPdYtREST4O4D+/cvvnDbtr3WIURERERERESUPlwF64gpRNYC+NTU0dGvdw4NjVkHEaCARK7rA3hhDPyxAE+ybqLfUeA+bTQu6x0c3GLdQkRERJQXHMCiTBjq7GwfmTLlW1B9lnULEdFkEeCjXhS90bqDiIiIiIiIiNKn2t39LHEcrp59FAT4NYAvA7jBjaLbBFDrpiKp+n6bNhp9DnAlRK4AcJZ1Ez2WAkNxuXzZkv7+e61biIiIiPKEA1iUego4oeuuBvBH1i1ERJMsdlSf6tZq661DiIiIiIiIiCh9AtddC+Bp1h1ZpMBdIvIlFbmBWxQ2T1SpzIod51mq+jwBLgMwy7qJEv2krV5/XtfmzQ9bhxARERHlDQewKPVC1/2IAn9l3UG5sw/APqjuh4gC2A0AAuxVoA4AUJ0KkWkA2qB6IkQcADMBTAUwzaib8mdrx9697vwdO0atQ4iIiIiIiIgoXaq+v1TieAP4LP/4iGxR1dUi8h0vDEOujHXsbly1qjRn164exPElAlwCYCmAknUXHQHV/+7Yt+81fA5JRERE1By8aaNUC133LQp8yLqDMiUGcC+A7QJsV5Gfi+ovVeR+APeL6i9Hpk79zYoNGw4cz0Gqvj9TVM8Q1VNj1TPFcU4FcAZUz1LgPAHOw8FBLaKJqf6jX6v9rXUGEREREREREaVP1XVXC/AC644c+RWAmwS4aay9/QfLNm4ctg5KMwVkoLv7/LrjXCSqfSLyTAVmW3fRUVEF/t6Povdx+JCIiIioeTiARakVuu4LFPgyAMe6hVJrhwL9DjCgIttVZPveGTO2r1y7dsQ67NCXYGeL6vmiej6AhTHQI8D54O9eeqxRiCzyw3CHdQgRERERERERpUutu/vchuMMAShbt+TQOETWIY5vEZF1I1On9h/vh5tZN9TZ2T7W1tYdO84FiOOLIPJUAKdYd9ExGxHg1V4Ufck6hIiIiCjvOARAqdRfqVzgiNwCriBEv/NLBTaJSL82Gv3tcdyfxX3q13d2zp4yZcoKVb3QAS5UoAfAFOsusqfAN3qi6HnWHURERERERESUPlXX/VcBXmfdUQDjAAIF1ovIuvGxsfXLtmz5tXVUs2yfN2/K3hkzzgPQrUCvAEsU6AafV+bF/Y7q89xabb11CBEREVERcACLUufQF13rAZxs3UKGVPdCZK0Ct4jID/ww3Gqd1Axr+vqmnrh79zIRuVyAKwHMtW4iOwJc7EXRLdYdRERERERERJQuA11dp9ZLpTsBzLRuKaC7BRhS1S0isiV2nKGx9vatWVopa3Dx4pPq5fJ5ABaqyHmI44UQWQjgbAAl2zpqkq1xufzc3v7+XdYhREREREXBASxKlfWdnbOntLffBmC+dQuZqELkO3Ec/2DfrFkbV65dW7cOarX+rq5FjuNcAZHn4eDqWPw9XSQiW4Y7OtwinvtERERERERElCx03bco8CHrDgIANADsArAVwD0K/NwBft5QvbdN9Rf7p0+/d7IHtBRwBru6TmmUSqcAOEVFTgawX+O4wxEpqUiHqJ4YA2eK6qkQOQPAaQKcpsDsyWyh1LvFUV3l1mq7rUOIiIiIioQv9ik11vT1lTv27LkZwDOtW6il+qG6uhzHX+keHLzLOiZNNvX2nuXU668E8CoBzrHuoRYReYMfhp+wziAiIiIiIiKidKn6fpvE8SCA86xb6Ig8CNU9ENkN1f1wnP0C7NE43gdgv4rsAwBRnQJg+m//TSoy1RGZpnFchsgpAH7/H77ToUQCfDZ2nNf3BMG4dQsRERFR0fBinVIjcN2PAXiDdQe1RKCqN5SAr7i12s+sY9JOASdy3ZUx8CcCPB/AVOsmaqoHR8fGzl0xNPSQdQgRERERERERpUvgeZdC9WbrDiJKnQZU3+HXatdbhxAREREVFQewKBUCz3stVD9l3UFNtQciX4wbjc/2DgxE1jFZNbh48Un1cvlVMfBmAZ5k3UPNIcBHvSh6o3UHEREREREREaVP4LrfBHC5dQcRpcZuAV7sRRGHM4mIiIgMcQCLzAWe91So3gKg3bqFmiKAyKfL9foXuwcHH7GOyYuq77c5cfwiBd4OYKF1D026etxouL2Dg1usQ4iIiIiIiIgoXaq+/2SJ4yEAJ1q3EJG57RC50g/DrdYhREREREXHASwyNdDVdU69VOoHcLJ1C02qMYj8T1yvf4gDJM11aHvC5yvwDgC+dQ9NIpGv+2H4fOsMIiIiIiIiIkqfwPPeCtXrrDuIyNTNjuqL3Vptt3UIEREREXEAiwyt6eub2rFnzzpwaCQ/VPeKyH/Wy+UPLunvv9c6p2gCz7scqv8MYK51C00OR3WJW6v1W3cQERERERERUbqs6esrdwwPb4Kqa91CRC2nCnzAj6J3ChBbxxARERHRQRzAIjNV1/2cAC+37qBJ8UsBPhI7zqd6gmCPdUyRbZ83b8qeGTPeIMDfAphl3UPHSeQ7fhg+1zqDiIiIiIiIiNInqlR6Y5HbADjWLUTUMiMC/JkXRV+wDiEiIiKiR+MAFpkIPO8voPpx6w46bg+q6rVj06Z9YsWGDQesY+h3qr5/isTxuwG8DkDZuoeOnTrOsp4g2GjdQURERERERETpE7ruRxT4K+sOImqJux3V57m1Ws06hIiIiIgeiwNY1HKB5y2D6o8BtFu30DF7RIGPl1Sv5f7y6RZ4XhdU/x1Aj3ULHbPv+lF0mXUEEREREREREaVP1fenSxzXAMy3biGiJlJdN16vv2DZli2/tk4hIiIiosfHASxqqU29vaeV6vUAwBnWLXRMRqD6ryLyfi+K7reOoSNT9f02J47fpge3JZxi3UNHL1a9sLdWu9W6g4iIiIiIiIjSp+r7F0oc/xjcipAolwT4aOw4f90TBOPWLURERER0eBzAopa5cdWq0rwdO25RoM+6hY7JN+Ny+c29/f27rEPo2NS6uzsbIv8OkaXWLXTUfuhH0TOtI4iIiIiIiIgonYJK5Z8h8ibrDiKaVPsE+FMvim6wDiEiIiKiifGLGGqZeTt2XMPhq0zaHqs+x4+iKzl8lW2VgYGhnfPnX6DAuwE0rHvoqDwjdN2nWUcQERERERERUTppqfQuAHdYdxDRJBHZEjcaPRy+IiIiIsoOroBFLRF43tOh+n0AJesWOmL7ofqPHfv2fWj+jh2j1jE0uULXfYYC/wPgVOsWOkIia/wwfLp1BhERERERERGlU9X3F0scbwIw1bqFiI6DyBfL9fpruwcHH7FOISIiIqIjxwEsarqBrq5T66VSDcDp1i10xG5Wx3ldTxDcYx1CzRO67hkKfAnARdYtdIREevwwDKwziIiIiIiIiCidqpXKX4vI9dYdRHRMRlX1bT212kesQ4iIiIjo6HELQmoqBZx6ufwFcPgqK3ZD5NV+FD2bw1f550XRL4ZnznwGVD8AQK176Ii82TqAiIiIiIiIiNLLr9U+JMBN1h1EdNTuhUgfh6+IiIiIsosrYFFTVSuVd4jIP1l30MQEuMmJ4z+rDAz83LqFWq9aqbxCRD4NoN26hRKNl+L4HP6cEhEREREREdHhVH3/dCeOIwWeaN1CREdA5Dujo6MvXzE09JB1ChEREREdOw5gUdNElUpvLHIrgDbrFkq0G6pv9mu1/7IOIVuh6z5Dga8CmGndQocnwLVeFL3DuoOIiIiIiIiI0ivwvKdD9fsAStYtRHRYdVW9xq/VrhXuUEBERESUeRzAoqao+v50UQ2husC6hRL1x+XyC3v7+3dZh1A61Lq7OxuO8x0AT7FuocN6eOrY2JM7h4b2WYcQERERESLGH5UAACAASURBVBERUXoFnvcuqP6DdQcRPa571HFe0hME66xDiIiIiGhyONYBlFNx/CEOX6WaQvUD6jgXcPiKfl9lYGBIgBUABqxb6LBOOtDW9nLrCCIiIiIiIiJKNy8M/0mBb1h3ENFjfLWtXq9w+IqIiIgoX7gCFk26wPMuhepN4PmVVg/Eqq/ordVusg6h9IoqlVmxyPcB9Fq30OPa7kXReQLE1iFERERERERElF7rOztnT2lr64fIHOsWIsIjAvyVF0X/YR1CRERERJOPK2DRpBro6joVqp8Dh69SSYC1AnRz+Iom4tZqu0fHxi4FEFq30OOaH7nuc60jiIiIiIiIiCjdVgwNPQTHeS6APdYtRIUmsiVuNJZx+IqIiIgovziARZOqXip9BsCp1h30WAJ8dM/MmRd7UfQL6xbKhhVDQw+11evPBBBYt9BjKfCX1g1ERERERERElH5+GG4V4EUAGtYtRAWkAny0Y3i4p3dwcIt1DBERERE1D1cpokkTeN5LofoF6w56jFEBXs8va+hYDS5efNJ4ufwDAL51Cz1K7KjOdWu1n1mHEBEREREREVH6BZ73Lqj+g3UHUYHcr6qv6qnVvmMdQkRERETNxwEsmhSbentPK9frQwrMtm6hR/mlAFd5UbTBOoSyLXTdJyiwHsA86xb6HQHe60XRu607iIiIiIiIiCj9FJDQdT8H4GXWLUQF8L1GufzKJf39v7IOodYZ6Oo6IXacJ8SOc7KotgM44dC/NDNWdcRxpgCY/qh/Uxw/osCYI6IAdgNA7Dgjojosqg9MGRt7oHNoaKyl/0GIiIjomHAAiyZF4Hn/C9XnWXfQo/SX4vj5lYGBn1uHUD4EnjcPqreC24ymyd1eFM0RILYOISIiIiIiIqL0q/p+mxPH31HgYusWopzaL8B73Si6ns/s8mOos/PEkSlT5gCYq6pzRPVMiJwC4Ak4+Lz8CQBOATCtSQnDAH4N4AEAD0D1ATjOPaK6U1R3jtbrO5dt2fLrJh2biIiIjhAHsOi4ha77IgX+x7qDHuVb6jgv7AmC/dYhlC9RpdIbi6zB777cIWMax5f0DAx837qDiIiIiIiIiLLhtqVLO9rGxn4CoNu6hShPBLhVVF/l1mrbrVvo6K3p6yuf9PDDC+oi3eI45yKO50JkjgBzFXiidd8R2AdgJ4CdCmwXkRBA6IXhTgHUuI2IiKgQOIBFx+W2RYue2NbWNgTgZOsWOkiAz+6ZOfPPV65dW7duoXzqr1Se7Yh8A0DZuoUAAF/2o+iF1hFERERERERElB2benvPKtXrtwI4y7qFKAf2K/AOP4o+zlWvsmH98uXT2sfGukS1AlVXAFeBxWjeClaW9ggQAQhi1VDjOOgdHNxmHUVERJRHHMCi4xK47pcA8MV/SgjwXi+K3m3dQfkXuu5fKvBR6w4CAIyMjo2duWJo6CHrECIiIiIiIiLKjsDz5kH1xwDOsG4hyrDb4kbjlRxoSbfQdc8A8LQYuEhELoTqQgAl6y5DvxRgDYAfNcrlNb39/busg4iIiPKAA1h0zALPuxSqN1t3EACgAZG/8MPw36xDqDgC1/08gJdZdxAgwF95UfQx6w4iIiIiIiIiypb+rq4FpVLpxxnZXosoTUYE+Psd8+Z98OrVqxvWMfRoVd9/shPHT4uBpwlwEYD51k0p9zOorhGRH8SOc1NPEOyxDiIiIsoiDmDRMan6/nTE8RYBzrFuIYxB5EV+GH7NOoSKZf3y5dPaR0bWC1Cxbik6BWo9UeRadzRTrbv7zIbINdYdKXa/X6v9rXVEmgWe9ybE8ULrjrQSkU96UTRg3UFEkyeoVN4J4CnWHUUkIiMxcOC3/7NzcBuaPQAQA8Mi0hDVA7HqCIBxR2SviuwuNRp76+Xy3pF9+/ZduG3bXqt+yoagUvkwgBOsO4hapRzH13YPDt5l3ZFXged1ieoaBWZbtxBlxIAAr+B9dHpsnzdvyp4TTniaiFyhIs/mu6vjMgbgh6r6NUfkG14U3W8dRM0XeN71iOMO6460EpH3eFH0C+uOoghd9+WqeoF1R9qMjo+/g7vhpB8HsOiYBJ73Aaj+jXUHYVSAq70o+qZ1CBXTQFfXOY1SqcoHdCkg0u2H4aB1RrOErnuVAl+x7kixm/0oerZ1RJoFrns3gCdbd6SWyPl+GG61ziCiyaGAhK77MICZ1i10XB4GsBfAbwDcD+ABqD4A4AER+bWK/FpU7x0ZG7uXD+CKZeOSJSeXx8cfsO4gaqW2en121+bND1t35Fl/d/cSx3F+AIAvX4kObwSq7xueNesDK9eurVvHFF3ouk+IVZ8tIpdD9VkQmWHdlEMNiPwEwNfGx8ZWL9uy5dfWQTT5qr4/U+L4YXBu4HAao1OnzlixYcOBif9PaTIElcpPIXKhdUfaqOM8pScI7rHuoGRl6wDKnqhSqcSqb7buIIzEqlf11mo3WYdQcXUPDt4VeN5LoPodAI51T5Gp6ioAuR3AioEK7/4OTwB+cZlgfWfnbHD4Ksn+nXPn3okwtO4gokky2NV1Njh8lQcnHfrnd3/D5OAVkQKAKhTAlPZ2BK67H8DdAtwXA/eIyJ2ieocTx3c8fNJJu/iCMF/K9Xq3dQNRi93D4avm6x0Y2BS67qUKfB/AidY9RCn0Y3Wc1/UEwR3WIUW2qbf3rNL4+AtF5EoFlolICcD/XSfTpCtBdSWAlW1tbR8OKpVvx8Bn75o//3vcejM/RLULHL5Kso3DV62jgIQiXdYdRMeKA1h0VBRwQuBT4Llj7YDG8fN6Bwa+bx1C5Ifhd4NK5SMQ4WCmIQGuAvB31h3NIgBfMiXjAFaC9nKZ508CAbZYPTSr+v7pEsdDFscmarJtfhQttzp4vVyuQNXq8GRjOoCFCiwU4P+GsxqOg449e8YD190JYAiqIRwnUJGgJwi4glJGiWqFP+FUMLzfaREvijZUff8yiePvgtucEv3WwxB5uxeGn5FDc/DUWlGlMqsBvEBEXop6/akQcfhfhIk2iDzfAZ4/Z8eO+6qu+19tjcZ/cIvg7OP9RTLltWhLBb4/R7gdJmUYh2joqESu+0oAS607Cm6/AFf4AwM/tA4h+q3hWbPe2TE8fDFUF1m3FNjCWnd3Z2VgIK+DDBXrgDSLHadm3ZBmUip1cxDh8FTE7CGCE8e9enB1F6K82W58fA6e0u9rA3AegPMgchVUIaq/3Z63qsBP4Dhr/CDYwpeK2RAD3fw8nYpEAN7vtFBPEKyrdndfLo7zdXA7Qio2hcjn6uXyXy/dtOlB65ii2T5v3pThjo7nQPUlMfAcAaZYN9HvCPAkAH9bL5XeGbju9yFyvR+GP7LuomPD+4tkDgewWkpU+UyLMo0DWHTEokplVgy837qj4MYg8kdeGHL4ilJl5dq1I6HrvlSBjeDNsJm641wFIHcDWIe2jzvLuiPF9u+aM2c7gsC6I7X4FVcyjWOzF1qquoTbBFAuiWyyPLyqcuteOhJPAfAUAa5CHCN03ftDkbUK/LDUaHy7MjDwc+tAenxcHZYKiC+9WqxnYGBNf1fXBU6p9F0AZ1r3EBnYGav+eW8U/cA6pGj6u7oWOeXynw+rvhiqs6x7aEIOgEuhemngugFErt85d+5XuD1htvD+IpmK8GOAFuKzfMo6xzqAskNF3gPgVOuOAmuo6kv9MPyedQjR4/GiaAAi11h3FJkAL7BuaAZuHzcB1c18qJEs5kOERKbLaDtOr9mxiZpIRfotj8+Hp3SMnqCqq6D6qYbj3BtUKreFrvu2/q6uBdZh9DtDnZ3tABZadxC1kuWKrUXWOzi4pdxoPBX2K3sStdK4AtcNz5y5qLdW4/BViwx1drYHnvfHgeuudUqlzVB9PQAOX2WPD9Ub5m7ffmfgeW+o+v506yCa2Jq+vjIA7mySoFEq8Vq0hZTPtCjjOIBFR6S/q2uRAq+37igwVdXX9dRqq61DiJJ4YfhBqK6z7iiwxXl8QSalErcfTMYbwARDnZ3tApxv3ZFi8eiBA4MWB1ZARLXH4thETTa2d8YMs9/NUaUyCwdXNiI6HgKRpQpc65RKdwSeFwae94bBxYu5bayxsba28wG0W3cQtYzqXi8Md1lnFFX34OBdjXL5IuU2kFQMP4FId08UvX3l2rUj1jFFMNDV9aSq675vpL39bqjeAOBp1k00CUTmQPVjEsc7qq7751Xfb7NOosM76eGHFwCYat2RYr9a0t//K+uIguEAFmUaB7DoiJRKpY+BW1aaUdW39tRqn7XuIJqIALGIvBbAmHVLUTkHtyHMFe75ncx09aIMGG1vXwi+pEyy68Jt2/ZaHDj0vLkKzLY4NlGTbbZ8YaMi3QC4AyFNLlUXqh8bL5d/EXjef1d9/0LrpKJq8GE0FYyIDAoQW3cU2ZL+/l9NGxt7qgBcDYhySYH7BHiFF0V9fhhute4pgsDzlgWu+9V6qXSXAH8L4DTrJmqK0wX4pMTx7aHrvlB5n5pK9YPPEOjw+Oy9hQ599PVk6w6i48EBLJpQVKlcqUCfdUdRCfD+nlrtg9YdREfKi6LbIcJz1orj5G4bQm4fl4wDWBPi+ZPM7PwRVW4/SLmkgOn2g/y7SU02FaovkTj+aeC6twaedzlfpLSWAFwdlgqF2w+mQ+fQ0L4Ze/deDuCr1i1Ek+gRBa4Zmzr1XC+KPi+AWgflXeB5l4SuuwaqGwD8EfjRf1HMU+BLoetWA8+7xDqGHk0ch/cXSVR5LdpCo6USPyqkzOMAFiWq+n5b7DjXWXcUlsgX3Sh6l3UG0dEanTLlH6DKLQIsqLoDXV3nWGdMFm4fNyGz7eOyQlX5ECGBGG4lohzAopxyjAewhANY1DoroPrNwHU3B553NQexWsRx+DNORcOXXikxf8eOUS+KVgnwdnBVMso2FZHVAnT2RNH7VmzYcMA6KM8UcALPuzpw3QCq3+XH/oXmQfW7QaXyrahSOds6hv4P7y8SiAi3YW4hPtOiPOAAFiVy4vh1UF1g3VFQP+0YHv4TfnlDWbRiw4YDIvIG646iGnecy6wbJgu3j5uQ2fZxmcFltBMZryjAASzKpUajsck4gYOn1FICdEL1y6Hr3hpVKiuse/KO23NT0XAFrHQRQL0ouk5VrwCwx7qH6BgE6jgXeWF4tRdFd1vH5NlQZ2d7tVJ5Tei6d0D1ywA86yZKCZHnxiJDQaXyzqHOTj73Ncb7iwnxWrSFOIBFecABLDqsqFKZpcA11h0Ftb3e1vb8+Tt2jFqHEB0rL4puBpemNyGOc7F1wyTiBXcy3gBOjOdQAqsXWmv6+soQ4cNXyqN9dy1YsNXq4Gv6+srgypFkZ3kssi70vBtD1z3DOiaPNvX2nqXAbOsOohZqANhsHUGP1VOrfacUx0sA3G7dQnSEfgmR1+6cN29pTxCss47Js0MrXr30QHv7HSLyGQDzrZsolaZD5B9H2ttr1e7uldYxRVX1/dMVeKJ1R4od2DNz5p3WEYXCLTEpBziARYcVO847AZxi3VFAD0Dk2Us3bXrQOoToeKnjvA3AmHVH4ag+/dAL2Mzj9nHJLLePy4JNvb1nATjZuiOtBHioJwjusTh2x/Dw+QCmWxybqMnCq1evblgd/MSHHjoPwFSr4xMBEFVdpcBQtVJ5DbclnFylRoPXxlQ023uCYL91BD2+ysDAneo4K6D6besWogT7BXj/gf37F/hh+GnLa/UiCDzvuaHr1qD6BQHOse6hTFgojvPDwPP+87alSzusY4qGq19NaMvKtWvr1hFFUfX9Nqjyo8LDq++dMeM31hE0MQ5g0eOqdXefCdW/tO4ooFF1nOf7YbjDOoRoMvQEwU4BPmXdUUAdM/buXWYdMSm4fVwibseRrNRo8PxJYHn+6MGv5YlyR4B+y+M75TKHMygtZonIZ0LX/UHouk+xjskLviChAuL9Tsr1BMEer1a7QoC3A4ite4h+zzhUPy3AfC+K3nnhtm17rYPyrOr7F4auuw6q3wKw2LqHMkeg+sq2sbGB0HUvso4pEt5fJBNei7baeQCmWEeklQLbVq5dO2LdQRPjABY9robj/B345XTribyRSyBT3sSO8z4Ae6w7isaJ42dZN0wS3gQm4ADWhHj+JIljs/NHgF6rYxM1k4qYDmCBv/cofZ4BIAxd9wrrkDyI+TNOBaOqvN/JAAHUi6LrBLgEwM+te6jwYhFZDZHz/VrttV4U/cI6KM9q3d2dged9W+L4pwpcYN1DmXe2AmsCz/vA9nnzOITRAgrwI64EKsLdJ1rIiWOejwkcDgRmBgew6DGqvj8XwKutO4pGgX/3w/DfrDuIJltPEDygqtdZdxSNqmZ+AIvbxyWz3D4uK7iFZTK13MLScTiARbkUl0qmA1j8epXSSIHZCny96rofqvp+m3VPlglfkFDBKF8yZIoXRbc4qosU+JJ1CxXWLY6q74Xh1dxhormqvj8zqFT+ueE4Nag+x7qHcsWB6t8Mz5ixqb+ra5F1TAHwGUICfvzccjwfE6gqBwIzggNY9BgSx+8GwIeirdW/d+bMN1hHEDXL2LRp/6LAfdYdhSLSM7h48UnWGceD28cl4w3gxIQ3bYlKRi+01i9fPg2qfIhGefRAb3//LssAfr1KKSYCvEXi+AfrOztnW8dk0boFC2YAmGPdQdRKbVwBK3PcWm13TxS9WFWvBrDbuoeKQYBbIXKRH0UXu7UaX042kQISeN6rnDjeBpE3AShbN1FudTml0sbA815qHZJX65cvnwbgXOuOFNN6uTxoHVEkymf5ibg6cHZwAIsepdbd3QngxdYdBfNgudH4Y+7bSnm2YsOGAwCut+4omFK9XH6GdcTxUFXXuiHNVDWybkizoc7OEwHMte5IsbH28fHbLQ487cABFxz2pxwSYJPl8Wvd3WcCeIJlA9EReNqU9vZNVd8/zzoka6ZMm9YFPsejYrm/MjDA7ewyqqdWW31o1b6fWLdQfgmwSYCLvSi60A/Dn1r35F3V973QdddB9T8UeKJ1DxXCdKh+IahU/m2os7PdOiZv2sfGugCUrDtSbOeyjRuHrSMKhh8VJmjjCliZwQc39CgNkWvAP7itVIfI1d2Dg3dZhxA129jUqZ8B8CvrjiJRkaxvQ9hlHZBqqvwCJ8FYWxtfUibb2jk0NGZx4IZIj8VxiVqgannwcRF+KUhZMVfieF3V9y+0DskSruxJBcQvvDPOi6K7d86b93RVfSeAA9Y9lDvx/v37n+lF0S3WIXm3ccmSk0PX/YzEcT+AFdY9VEAifzba3v6j0HXPsE7JE2k0+Ow9GZ+9t9ChjwpPse5IsV92Dw7+xjqCjgxfStH/CTxvIUReYN1RJAq8zw/DH1l3ELXCig0bDkD1w9YdhaK60jrhePAlUzKr7eOyosFBhERqeP6Iaq/VsYmaSUX6LY/Pv5uUMSdLHH8v8LxLrEOygj/jVDTC+51cuHr16kZPrfb+uFxeBOBm6x7KlZ0Xbtu21zoi7wLPu7o8Pn67Aq8B3yeSIQUuUCDor1QusG7JEd5fJFCAqw21ED8qnBDvjTKEF0z0+94FnhOt9NNd8+b9o3UEUSuV4/iTAB6w7iiQuaHrZnIronULFswAt49LYrZ9XFaIKpcsTiAiZg8RVGSJ1bGJmml8bMx6AIu/9yhrpkP1m6HrXmUdkgUiwp9xKhQ1vF6lydfb37/Lj6JnQ+QKAPda91D2Wd7TFsFtixY9seq6q6H6ZQCnWvcQHXKaI/LD0HVfaB2SCyKudUKa8e9MazmOw/MxgQCRdQMdOQ7bEAAgqlTmQ5UXLa3zYLnRePHVq1c3rEOIWql7cPARBT5q3VEgoiJLrSOOxQnTpi0Gr1OSmG0flyH8aiaZyVczUaUyS4D5FscmarJ7lm3Z8mvTAhFuH0BZ1K7ADaHrcjXuBDeuWlVSYJF1B1GLcduXHPLD8FvlRmOhAtcB4HNROmaWqzrnXbVSeUV7W9vtAvD6jNJoigJfDDzvzdYhWaaAQHWxdUeaiSqvRVspjvlMKxnPxwzhi00CAMTAOwCUrDsKQh3VP+keHLzPOoTIQnu9/nEA+607CmS5dcCxaHAVj0R80JjsxlWrShDhQ4QE9XLZ5BxSkR4AYnFsoiYzXf1qoKvrBHC4kbKrrMB/B573dOuQtJqza9d8ANOtO4haaFRFtlpHUHN0Dw4+0hNFb8fBD8Z+at1DmcXnIpNsU2/vWYHr3iQi/6XAbOseogQOVD8cVCr/rHzPfUwC358DkRnWHSn2sBdFd1tHFIrj8GPqBCrC654M4R8mQlSpnA2Rl1p3FIbqJ91a7RvWGURWujZvfhgiX7TuKAzVZdYJx0K4elEihw8aE/El5YTuXbpp04MWB45Vey2OS9RsYjyANd7Wtgj8oIaybQpU/zeqVDiE/zhEldfGVCwit/cEwbh1BjWXH4aBH0UXCXAxeI9LR6lcr3NrqEkUuu7LS/X6FgCXWbcQHTGRNwWu++Xt8+ZNsU7JGieOed+VQHhd0lIDXV0nQJUfFR7e/p1z595pHUFHjgNYhIbIWwC0WXcUxNbhWbP+2jqCKAU+bh1QGKq9N65alcUXsnzJlEC5B30ivqScgKrZQwQBOIBFuRTH8SbL44sqH55SHnTEIjf39/bOsQ5JG/6MUwHxpVeBeFF0ixdFnqpercBd1j2UCQ9yd4nJUfX9mVXX/R8FPgegw7qH6GgJ8IK9M2Z8bU1f31Trlozhs9MEqspn7y1UL5cXgzMrhyXAlqtXr+bW3RnCk7ngNi5ZcrIAr7buKIiGOs6rVq5dO2IdQmTND8NBAD+27igEkRlzd+7stM44Gtw+bmJW28dlBV9SJrMc4FMRDmBRHsX1qVMDywAOnlKOnOY0GjfdtnQpXwD+HuULEioe3u8UjABxT622eu/MmedD9a0CPGTdRKnGF+OToL9SuUDiuCbAi6xbiI6HAs/u2LPn6+uXL59m3ZIVvL+YEK9FW4vnYwJuP5g9HMAquNL4+OsBnGDdUQQCXN8TBButO4jSQoCPWTcUyHLrgKMxd+fOc8Ht45KYbR+XFQpwACuBY/Swuur7pwvwJItjEzXZHcs2bhy2DODvPcoV1QXlsbHPKyDWKSnCn3EqFFGNrBvIxsq1a0f8Wu36KWNjT1HVNwG417qJUkiEvyOOw42rVpVC132bI7IGwNnWPUST5JIpIyPfHersPNE6JCNc64A0s3p2WlTKj6kTaRzzfMwYDmAV2Jq+vqkCvMG6oyC27pk58z3WEURpsmfmzG8owOXCW2OZdcBR6rIOSDXD7eMyhOdQAlEdtDiuE8dc/YpySYGq8fEdAFw5knJFgCtDz3ujdUcaDHR1nQrgdOsOolYaGRvbbN1AtjqHhvb11GofmTo2Nk+AVwDYat1EqcLnIscoqlTOnrtjx08UuBZAm3UP0SS7aLS9/VsDXV1cdCLB4OLFJwE4y7ojxcZP3LeP1x0tJHyWn0h53ZM5HMAqsI7h4VcAONW6owAacRy/klsPEj3ayrVr6w7wBeuOQlDN1AAWt4+bEC+4Exx6SXmGdUeK7avUajstDhwDHMCiXBKRfsvj1yqVuQD4lS/lj+oHQtfN1EquzTDmONyOgYrmnhVDQ9x+jgAAnUNDY14Ufd6LokUCvABcEYvArXiOVei6l8UiIYAV1i1EzaJAX71U+upQZ2e7dUtajZZKvL9ItnX+jh2j1hFFceijQg5gHZ6OHjhg8jE1HTsOYBWUAo6qvsW6owgU+GDvwMAm6w6iNGo0Gp+zbiiIc7P05Q/3oE/GLx6S8SXlhAYFiC0OLBzAopxS4wEsFeHvPcqrNgW+HFUqs6xDLAmvjal4eL9DjyFAXC+XNwE4ybqFzI0CuMM6IksUkKrrXqPAt8GfISqGSw60t/+X8h3443Ichx8/J1BuP9hS/KhwQjsv3LZtr3UEHR3+8SmoaqVyqQDnWncUwN1tjcb7rCOI0qp3cHAbVDdadxSA0yiVFlpHHAXuQZ9AHCeybkgzx3F4/iRRNTl/FBAAPRbHJmqysZl79pg+nFOuHEn5dlbsOB+wjrAkfEFCBSMA73focZXGxz8CvqAjYEtPEIxbR2TFbUuXdoSVylcFeA/4PpAKRIAXRa77ceuONOLuE8lEhANYLRTzWX4iDgRmEy+4CsoR+UvrhkIQeUP34OAj1hlEaaYiXAWrBVR1kXXDkTi0fdxp1h0pts8Lw13WEWkmqlwlIpnJigKh580FcLLFsYmabMB8aXoOZ1Deqb6mv1K52DrDCocsqWi4tRg9nsDzLoHI8607yB5fRB65qu+f1zY2tpE/O1RUCvx51XX/zrojbWKusDsRXou2Fs/HBA7Px0ziAFYB1bq7zwVwiXVHAXzVD8NvW0cQpV17vX4DgBHrjrwTkUwMYHH7uAlttto+LitUhHvGJ9BSyWTPeFHl9oOUSwJUrRugyt97lHfiiPxr1fenW4e02pq+vqkCLLDuIGoxk+tVSq/1y5dPQxx/0rqD0oEvIo9MtVJ5scRxFcB51i1ElgR4b1CpvNK6Iy2qvt8mQJZ2ymg5FeG1aCvFMZ9pJeDHKdnEAawCqjvOG3BwGxhqFtW95UbjTdYZRFnQtXnzwwBusu7IOwU6rRuOhAPwC/8Ewi89E63p65sKVT5cPLwGgM0WB1YOYFFOqUi/5fE3LllyMoCzLBuIWmSuqL7HOqLVZuzdez6AsnUHUcuo7uWKv/SHpo6MvB0ic6w7KB2UW0MlUkCCSuUfROSLAE6w7iFKBZFP9VcqF1hnpIGoLgQwxbojrRS4rycIHrDuKBQRfpCfgANY2cQBrIJZt2DBDAFeYd2Re45zTffg4H3WGUSZofo164QCyMQAlohwACsBHzQmm7lnzyLwJWWSO3uCYL/FgUVkicVxiZqt1Ghssjx+2/g4/25Scai+KfC8Qn2t7cSxa91A1EoiMsgVf+n3BZ43T4G3WndQaihXJjm87fPmTQk97wsQ9pd40wAAIABJREFUeZd1C1HKTHFEvt7f21v4YV7h9uaJBIisG4qEHxUmE+ChniC4x7qDjh4HsApm2gknvBxAh3VHzm0e7uj4uHUEUZZoqfRtAGPWHTl3VlSpzLKOmAi3j5sQHzQm4/mTzOT8WdPXV1aubkf5tO/Oc8+9wzKAfzepYMpQfZ91RIvxZ5yKhvc79Cii+hEAU607KCVU7+oJgj3WGWk00NV16vCMGWug+hLrFqKUOkXq9a8OdHUVemW4GOBqQ0lUeS3aQuV6nedjAq5+lV0cwCoa1T+zTsi7WPX/rVy7tm7dQZQlhx6e/NC6I+/qKV8Fi9vHTahRrtdNto/LEN60JVCjLSw7hofPB7c+oHwKr169umEZoPx6lYrnj0LXXW4d0SrKaxsqGK74S7+vWqmsUuDZ1h2UIvwd8bgCz1s4XirdBqAw10hEx0KASr1U+pwCYt1iRXh/kUgBDry0Fs/HJHHM8zGjOIBVIIceUvLryWZS/XZvrfYD6wyiLFJuQ9h0juOkegCL28dNaHv34OAj1hFppgC36UkgRg+rNY65/SDlk8hG8wSuLkfFIwp8uAgvTQ79Z+QDaSqUuNHgcAUBANYtWDADIh+27qB04Yvxxwpd9xlQXS/AOdYtRBlxVeh5b7KOMMT7iwTiONyCsIX4UWEyq4+p6fhxAKtAVPVPrRtyrg7Heat1BFFWOSLfAGC6ikTeqeoi64YJcEg4CZdATnToJeVi6440E6NzSER6LI5L1AJVy4MPdXa2A+DKkVREy0LPe651RLPVKpWnAEj9FuJEk6jRrjpkHUHpMH369HcL8CTrDkoXhy8iHyWoVF6iwM3g9QLR0VG9NqpUeq0zWq3W3X0mgFOsO1JsnxeGu6wjioQrsiUrcfA8sziAVRBV358JkautO/JMgX/1w3CrdQdRVnlRdD8A85Uk8swB5lo3JOHqRclUhF/gJKj29p4DPnRM8hsvin5hcmQRroBFueTE8SbL4+8vlzsBtFs2EFkR1bdZNzRbgyvcUfFwxV8CANS6uzsV+CvrDkqf2HE4gHVItVJ5PUQ+D6DNuoUog9pjka+s7+ycbR3SSo1Sic/ekw0KEFtHFMWhjwoXWnek2Fj7+Pjt1hF0bDiAVRSNxksAnGCdkWO74TjvtY4gyjoFvmfdkGcKnG3dMAGugJVAuQJWIhkf5/mTQIy+mFnT1zcV6V99j+hYPODWaj+zDBAR/t6jwlLggtB1l1t3NBO/BqbC4f0O4eDKxrHjfBwcKqHH2u0Hwb3WEWlQdd1rROQT4Ps9ouPx5Pb29n+zjmipOOYzhARWz06Laqyt7Xzwo8IkWzuHhsasI+jY8AKtIByRV1g35JkC1/UEwQPWHUSZ5zgcwGquJ1sHHM6h7eP4kilBmypvAhPwJWUyFTE5f2bu2eOCL08on/qtA/h7j4pOVf/GuqHJ+DNOhaLcWowAhJXKKxTos+6gFBKJBFDrDEsKSOB5/yLAe6xbiPJAgBcEnvdn1h2tIo7DFXYTWD07LaoG73cTKQcCM40DWAUQVSrzFeDWL81z/8j+/Z+wjiDKg11z5lQFeMi6I8dO3LhkycnWEY/n0PZxM607Uuz+ysDAz60j0kxFuIx2Ao1jky0sY1Veg1I+iZhuP3gwgb/3qOBErgw8L7dbFqgIX5BQoTgiHMAquMHFi0+CyHXWHZRScVzo3xE3rlpVCl33s1B9o3ULUa6ofrjq+3OtM1pBVXl/kSBuNEyenRaVADwfEwjvjTKNA1gFoCIvs27IM1X9xwu3bdtr3UGUB1evXt1Q1VusO/KsXK+fbd3weLh93IT4xcPEeA4l0Dg22dJFgB6L4xK1QNU6APy9R+RA9fXWEc1Q9f2Zkv7tw4kmlWN0vUrpMVYu/xOAU607KJ2KvBLE9nnzpszZseOrAF5t3UKUQyeI6mcO7c6QWwNdXScAKMSg2TFqtKsOWUcUigifaSUr7HVPHnAAK+cUEFV9iXVHXilw395Zs4q1TzRRk4nI960bcu4p1gGPh0sgJ+Me9Mn4knJCI/tmz77D5MiO02tyXKImGx8bM92CcFNv71kKzLZsIEoDAV68pq9vqnXHZBPVLuT8JRDRH3iAK/4WW+B5vgB/at1B6VXUVfKGOjvbh0888SsCXGndQpRbqitDz/sL64xmapRKXeBMwOGJ7OgeHHzEOqNguAVhgnq5zPdBGcZftjkX+P4FEJlj3ZFXIvK+lWvXjlh3EOWJivzYuiHnUjmAxSWQk6kql0BO4MRxBXxJmWTLyrVr660+aNX3Z0J1fquPS9QCP1u2ZcuvLQPK9Tq3HyQCoMDsjuHhK6w7Jpvw2piKp5CDFXSQAg7i+BMAStYtlFpjU8bGtlpHtNpQZ2f7SHv7aog817qFKPdUr4sqldw+w4q53VsyPntvqarvPxnAydYdKXbv0k2bHrSOoGPHAay8i2OuftU8O1XkP60jiPLGD8MdApi+1My5VA5ggdsoJdJSidtxJOP5k8zk/HHiuAe836AcUm4/SJQuqq+yTmgC/oxToXDF32ILKpXXQWSpdQellwK3dw4NjVl3tNKh4auvAMjdoDlRSk2PRT5lHdFEvL9IoKp89t5Ch1Z8psNR5b1RxvGFSI4NdXa2C7DKuiOvVPXaniAYt+4gyiMFbrVuyLHUDWBFlcosbh+XaBSAzfZxGaH8iiuRGK0oEKsusTguUbOJ6ibrBv7eI3qUZ23q7T3LOmIyKcBV7qhQtKBbixEw0NV1qoj8g3UHpZsU7HfEUGdn+4H29hsBXG7dQlQwTw9d90XWEc0gqry/SFDUbW6tKM/HRLw3yj4OYOXYgba2Z4NL+DXLz2fu2/cF6wiivBIOYDVT6gawVKQL3D4uyRAHfifEPeOTmXw1IyI9FsclajZVTcMKWPy9R/Q7TqnRyM2LkjV9fWUA51t3ELUYVx0oqPFS6XoAJ1l3UOoVZiWI3247KMCV1i1ERaTAB29burTDumMyKeBAZJF1R8oV5u9MSnAFrCRckS3zOICVYyLyUuuGvFLgn+fv2DFq3UGUV7HjcACrWVRPt074Q9yDfgJccjbRoZeUndYdKaax41idQ71GxyVqprg+dWpgGbBuwYIZAOZYNhCljurzrBMmy8w9e84FMM26g6iFRlVkq3UEtV7V9y8U4GXWHZR+cRwXYiWIG1etKo20td0AbjtIZOmMttHRv7eOmEwD3d3zAJxg3ZFi93tR9AvriCIRflSYqGS0mwVNHg5g5VRUqcwC8BzrjjwS4KGR/fs/bd1BlGfTRkYiAAesO3JqtqZstSlecCdTfoGT6MSHHjoPwFTrjrRS4Gc9QbCn1cfd1Nt7GoBcbQdFdMgdyzZuHLYMmDJtWhd4L0/0h5betmjRE60jJkOsyo8TqFhEbueKv8Wzpq+vLHH8CaTs+QSl05RGI/fPRRSQuTt2fBoiz7duISo8kb+s+v5i64zJUhfhs/cEwmGXlhrq7DwRwFzrjhTbV6nVdlpH0PHhQ9ucagAvAF9GNssnLty2ba91BFGedQ4NjXGZzaZp37h06QzriD/Am8AE3IM+meM4PH8SiIjJg+pyvb7E4rhEzSZAfwoa+HuP6LGc9ra251pHTAb+jFMB5X6wgh6rY/fuN4Pbz9CRubtr8+aHrSOaLaxUrgXwausOIgIAlCWO/8U6YrKI4/ADjwRq9Oy0qMba2vhRYbJBAWLrCDo+PMFzSkReaN2QU/tjx/modQRRIXDopGmmHThwsnXDb3H7uAmpcAvCZHyIkMxoq4aY2w9STqkIB7CIUkqBK60bJgW/UKfi4f1OwQx0dT0JItdYd1A2aAFWJgkqlb+ByFutO4joUZ4euu5l1hGThPcXyXgt2kIN3u8mEp6PucABrBwaXLz4JAAXWXfkkQKf7wmCB6w7iApBJLJOyKtGqZSaASxuHzehe9xabbd1RJqJKm/aElhtYSkcwKKcihsN+wEsEQ6eEj2+Z65fvnyadcTxEoA/41QoWoCtxejR6qXSvwA40bqDskFy/oFm4Hmvgsh11h1E9FgKXKt5eI/OLc4TxfV6rv/OpA0/KkzGFdnyIft/OOgx6uXycwG0WXfkkuN80jqBqCjiRoMDWE2iIqkZwHLKZd4AJuEg4oSUN22JSgZfCysgAHpafVyiFhib9cgjpg9Cbly1qqTAIssGohSb1nbgwFLriONR9f3TFXiidQdRK7UbrdhKNqrd3c8CcJV1B2VKbl9EBp53OVQ/jYP30ESUPl1BpfIy64jjsXHJkpMBnGndkWKj+2bPvsM6okgEcK0b0ozvRfOBA1g5FANXWDfk1C09QbDZOoKoKManT98MoG7dkUtxfIp1wu/h8EwCUR20bkiz0HXPAHCqdUeK7a7Uane3+qCB788BkJpBT6JJNDh/x45Ry4A5u3bNBzDdsoEozUQk06uBi2qXdQNRi93TtXnzw9YR1Brb582bIqXSR607KFvKOV2ZpL9SuQCqNwIoW7cQ0eGJyHvX9PVldveGtvFxfvycbMvKtWv5DqpFDn1U2GndkWKNdtUh6wg6fhzAypk1fX1TBbjUuiOXRPiAgKiFVmzYcADAndYdeZSmFbC4fVwyLjk7IZ4/yQYF0FYf1Iljbj9IuSSA+faDThzz4SlRAgGyPoDFn3EqGt7vFMhwR8c7oLrAuoMyZbhrcPBn1hGTrb+3d44j8r8AMjvUQVQgT+4YHn6ddcRx4LPTZLwWbaFztm2bB+AE647UEtnRPTj4iHUGHT8OYOXMjN27nwHgROuOHPrZzrlzb7KOICogLv/aBE6KVqbh9nHJyvU6l5xNoKpcsjiJ0RaWqrrE4rhEzRarbjRvADicQZRs+VBnZ7t1xLFS/oxTwYjBdtlko+r7c6H6NusOypyaxUdFzXTb0qUdTqPxDQBPsG4hoiOk+tb1y5dPs844Fnx2mozXoq1VKpV4PiZR5bugnOAAVs6I41xp3ZBLIh+9evXqhnUGUdEIsM26IY9UNRUDWNw+bkK5/NJzUolwm54EZltYivSYHJeoycqqVesGAfh7jyjZ9NH2dt864jjwZ5yKhluuF4SofgRc7YeOUt5ejFd9v61tbOxrUF1k3UJER+X09pGRV1pHHBM+O50IV8BqLZ6PCdTqWT5NOg5g5YgCDlQvt+7IoZHR0dHPWUcQFZGqcgvCZnCcWdYJh3D1qySqJtvHZQzPoQQWW1jeuGpVCYDX6uMStcC+O889Nw0rc3J1HKIJxEAmt8I99FU9t+aiQhFVvvQqgNB1r4Lqc6w7KJNy9TvCieNPAniGdQcRHT0B3lb1/TbrjqOxfd68KQAWWnekmJp9vFpcfJafQHN23VNkHMDKkVqlsgzAadYdeaPA/64YGnrIuoOoiGJgu3VDHqnqFOsGgEsgT0SNto/LioGurhMAnGvdkWL14Y6OoVYfdO7OnZ0ATmj1cYmaTYCq9Yq4A11dpwI43bKBKCMy+VVt2/79iwGUrDuIWkZ1b6VW22mdQc1V9f3pCnzQuoOyKXac3KyAFXjeWxV4jXUHER2zpzhx/DLriKOxZ+bMTgCZGhprKdW73Fptt3VGkSjA90EJpFTi+6Cc4ABWjjRErrBuyCMH+A/rBqKiklKJWxA2gQCpGMDiEsgT4Bc4icbb2haB17KHJ3LHyrVrR1p+WNVMrjpCNBEVMd9+cMxx+KUg0RGQjH5VK7w2pqIR2SxAbJ1BzSWNxrsBnG3dQZlU3ztjxu3WEZMhqlSuhOr7rTuI6PioyFsVEOuOIyWNBu8vkjgOn723UOi6TwA/Kkxyf08Q/NI6giZH2TqAJo8AV1o35NDP3Cj6kXUEUVH1BMEDges+DOAk65ZcEUnHAFZGX461SolLziYSVZ4/yUzOH83otk9ER6DfOsDh9oNER6rzxlWrStar1h0tEeG1DRWK8H4n90LXPV+BN1t3UGZttfioaLLVurvPbYh8HvyALOsOAPgNgF8C+I0C94tqQ0X2ARg/9M9vVxpqE9UTIXKyACcrcDKAswDMMimnyaO6oFqpXIZa7SbrlCPE+4tkvBZtLZ6PyXg+5ggHsHKi1t19bgM4z7ojbxT4T36NR2RLgbuFA1iTKwVbEFZ9fzrieL51R4rVD0ybtsU6IuV405ZA49hqqwYOYFEulet18wEsOE43VK0riLJg2pxdu+YDuMM65KioViCZ+aCe6LipCF8y5JgCEop8HKrc+oiOVea3Hxzq7DzxgON8TYAO6xY6YncDqEJkm8bxneI42+rl8valmzY9eLz/j6NKZVZd9RynVDpXVCsKdAvgKfDESeimFnEc540AMjGAJSIVPkE4PMNnp4UUH/ydR4cjwvMxRziAlRONUuliPoyfdDEc57+sI4iKTlTvgwhXfJhc5gNYABYDKFlHpNidKzZsOGAdkWqq/L2QQA2+mlnT1zcVe/YsbvVxiVrg/u7BwbusI8DBU6Ij5sTxImRoAOvQoAK3CKGi4QBWjkWu+1KorrTuoOyyuKedTApI2Nb27wJ0WrfQYY0D2CDA2lh1U1sc93cPDv6mWQdza7XdAKJD/3z5t//7/q6uBeI4T3VEVgK4VIHZzWqgSaB6cei653tRlPotUpXPEBK1xXGm/85kjfCDo4nwfMwRDmDlxzOtA3JobU8Q3GMdQVR0KnIfL8smlwJTrRu4fVyyrD9obDYFnBDgS8oE7QYPETqGhyv43ZL7RLkhKdh+8NCAI1c8JjpCKjLHuuFoVHt7z3Hqda6OQUUSl+v1zdYR1BxRpTJLgeutOzJIAfAR2CFOxp+LBK77FgGutu6gP6C6C8A3Fbhl2vj4jzuHhvZZJ/UODm4DsA3AZ9f09ZVP3L37wv/P3p0HyHVVZwL/zqvqbknWYtnGNuBdsoXdUnVXVbfaciDICSSZQCZkiBySkJAFCAn7PiErMBMgJBC2JGQlmTBJ5CQkQDYgWDCOsdRdS5dUtmW1zOYV8KJd3VV1z/whQaxeXrdaVe/c+973+w8s9f3A1a/eu+/cc3IiP6LAiwBcbByP5hIFXgPgFdZB4kyUy1fAOU4VWdihQqPxFesQmSLC90Ex2B04XViAlQI7d+zIYWpqu3WOtFHVv7bOQESAqH6dlfHdJR50wDrdapsWIGw5G6s+PLwBwGrrHB57sJenNhciqqP8vaY0UhHzAqy1hw8Pgs/vREsmqldZZzgbUafDzp6ULSIHhhqNY9YxqDcc8L/AkVrL8f8AfLd1CF+4KAp2X2R8eHi7AO+2zkHfMSXA37kounWkUqlah4lz865dbQC7AOy6bfv2N649fPgHVPWlAvwQgMg2HT3JT02Uy28dqVQOWQdZSOQc997jTcqpwmdKwIGNGwcOAzxUuLBpBNTBmxbHDdwUuOa++0YAnG+dI2VmZlqtf7AOQUSAiNzPO+EuUzUvwGIL5EXxxEMM5YmZxZh8fhQYtViXqNfUOfMCLBYuE50dBa6yznA2RHWIv+OUKRz5kloT5XIJznndFcRTByByO1RZgAVAgftHKpVvWedYjvrQ0NOdyN8o371ZO6rA30bAn5ZqtS9Zh1mO08VYnwbw6clC4epWLvcqAV4OHkj0wSpRfRGAj1oHWYgDhnikfWGcPpGsQ+vWDYpznJqwsOZIpdKyDkHdw5vAFBBVjh/svn+/qdl8zDoEEZ0aQQjl64iuEjEtwOL4uMV1cjk+BMbgJkI8sdtEYAEWpVKfBwVYvO7NpcAfQvXzSa0XiaxQkZUA+kX1PFW9ACJPBfA0AE8FcBkAjpDzx9XWAc4Gf8fnEuAdTnWfdQ7qDYmi/dYZqPsUiKrOfQRAzjpLaAR4LVRfxd2vU0Q1yO5XO3fsyHWmpj4OdoCz1IDqh0+cOPE3z9y//4h1mG4ZajS+DOCNE+XyuyLn3qDAq8FCLFOi+nPwuABLePg5VgQE+T0TKlHl5zEeP48pwwKsFBDV5/DhrLsE4PhBIk+oyDeFBVjd1m+5OMfHLerhrePjD1uH8JmoDnM06cLUYITlRLm8Ds5dl/S6RAn4qsVIz9m4eTqXqv7VaL3+n9Y5nqw+NPT0Ti63BacKzQtQHQOw0ThWVl2pgIQyVkIAjiCc66Mj9fqD1iGIaOlqxeLLAdxonSM4qjtL9fq/VorFj1lH8YXFM203XDM19SsAnm2dI6M+p869tzw5+dlQ7v+W43RnuLftGR39YL7dfqcCPwsWvZpQYOtEubxlpFLZa51lAXy+iKEiPPycLO5pxWBHtvRhAVbgJsrlVercNuscKXNsYGbmU9YhiOiUfLv9WCfiiPtuEsBZrs/xcYviDfdi+BmKZbGJEDk3ogAv1pQ6IrLHOoMCUuVm1Ww6feJEwzrEbMOTkw8AeADAv337v5ssFK5u5/PPVdXnCvAcAOebBcyWlV8aHFyPADpbN7ZsWd8CrrDO4Zlvlmo1Fl8RBWT31q0Xaqv1TuscwVE9klN9w/jo6DVoty+2juOLKMB9kYly+Zni3K9Z58gYheo/OtV3jk5O1qzDJOn0wc2X1YaHP6IiH1Vgq3WmLJJO5+cAvN46x2y3b9q0BsA11jk81j68dm3TOkSmqLIgMEaI9z0UjwVYgZNTc+FNR0mljQL/OthsHrXOQUSnPL5+/aNrDx2yjpEqCrRN12f3oniqvOGOsXvr1gvRal1uncNjx++75poDqFQSXbRUq/0HgNT+YleKxQaALdY5fOWcK2VtwztJjULhKgDrrHN45mAoI0VOjwv5IwB/dNv27SvWHTr0AgVeAuC54Gn1nlrZ13chAO8LsNr5fAEp/g5dDuEIBqLg5Nvt3wFwkXWO0KjI24fr9QeqxeKPp7ZlzzKE1gGrsWXL+pZzHwfftyXpXwX49VK9PmEdxFKxXq/v3LHjpg0HD74Gqv8LwCrrTJki8uKJcvktI5VKyzrKkw2sXMnnizgi99y8a9dJ6xhZcfpQYcE6h8dU+D4odXhKPXzfax0gbUTkn6wzENF/OX0zfMw6R8pYPxSyi0cMCWyjMWn5dpufnziqe2+59daOdYw0aQ4OrgZwg3UOj52QfH6fdYg0a0URr3tzBbk5dfOuXSdLtdrflGu1/5Zz7koB3gWAh396xEXRhdYZlsLxNPAcHAlCFJbx4eHvgupLrHOERoEmouiDAKCq7F7zbapHStXqfdYxzkYrn/9jsJtlUiY0ip5VrtV+sFSrZbr46ttuufXWTrlafT9ERhDoc1LALhJV797RRlHE54t4/D1JUK1YvALAeuscHvtqsV5/wjoEdRcLsAKnqs+xzpAy7enp6X+xDkFEc3h/cj0wph2wOD5uUXwIjMfPTzx+frpsur+/BHapiVPz7bRn2gg3T+fQFFzrhicnHyjVam8T4BqIvBfAcetMaeOcu8A6w1II723mE/zvOFFW3LZ9ez4S+QjYaeNsKZx79Xfuo0XGjPN4Q0QaAjjrHEtVKZV+AcALrXNkwDcEeGmpVhsbqVRutw7jo3K1evfaI0fGoPpH1lkyxblbrCPMg88XMdQ5Hn5OkPDAUaw07G/RXCzACli1WHwKN+q6S4Dbb2o2WehB5BkFHrXOkDJmL8p3b916IQCOj1vYiUPr1t1rHcJnyoe2WKGNagiBA0atM3hNZNw6QgbwmW+WNHWLLNVq3yxXq28R4Fqofto6T5rkRILogMXDCXO5djs1v+NEabfu0KHXgPcqy/FXI5OTtwHARLncB4DPuaepajDfAeOFwiaovt86R8o5AT4YqW4q1Wp/GlJxnoVrp6amy/X6L0DkDQDYHT0JIi9oDg72W8d4MlHl93IMFrwkq8Pn3Vhp2t+i/8ICrLBtA08XdZWKfNI6AxHNFXEEYbeZdcDi+LhF7bt51y7bDmWeY/F5vBxnxnedsAArnnMswOox5ebpHGkcT1aq1R4s1+s/JMBLALD9fBc4Ve87YJ1+6T5oncMzJ49ecME91iGIaHF7RkcvVeDXrXME6LBG0Vu//R8i54YArDTM45sg7vN27tiRi3K5j4H/7nrpbgGeWarVXsvxTGfn9EjCHwHHnSdh/cmBge+zDvFtO3fsyCmwxTqHz/qdC+J7Ji24l78ofh5TiAVYYdtmHSBtWIBF5C2OZOkuy1FRvOGOIbzhjnX6RNn11jk85vpbrYZ1iNRRZQFWjJwqC7B6qDY8fL4AV1nn8IkAj41UKl+zztErpVrtL/OdzhYFeAryHAlwnnWGJXgGgAHrEJ5p8kACURhyrdYHAKyzzhEckV8ZqVQe+vZ/dKpbLeP4JgrkHmjDwYNvBHCjdY6UakP1f689cqRYqtW+ZB0mVOVq9VOR6rMUuN86S9qp6g7rDN+24eDB68DC0DgPDjUa37AOkTF8HxTD5XJ8H5RCLMAKmLIAq9vuHqlUDlqHIKK5FDhhnSFNxLADFsfHxUtjR49umunruwGAV229PXNwsNnk6cYumiiXL4LI1dY5PPbE0OTkAesQaaYiBbDr8Rmy8F051Gjcf/L48e+GyGesswQtiry/Z+B4kHml/necKA3Gh4efC5FbrHMEqHF47do/POO/ERkzyuKjTieXa1qHWEy1WLwBqm+3zpFKqvdB5Fnlev1Xr52amraOE7pivV5HFG0H8IBxlFQT4Ad37tiRs84B8PliCfiskaA7x8bWArjGOofHDo2Mj3/ZOgR1HwuwAnW6TT1P43eRAJ+1zkBEC2IBVneZdcBiy9l4ypnfsTr8/MRSbiJ0naiOgMUvcSYEUOsQKcfr3mwZGRfwzP37j6jI8wH8H+ssoRLVEAqweDhhFgmk8wlRljUHB/ujKPqQdY4AOQFeMbvLn7AA6zsUuGekUvG6C/5t27fnAfw5gBXWWVJH5OOtgYFiuVq90zpKmoxUKgddp/O9AjxinSXFLto4NeVFN0MH8PkiBp81kpVvt3moMF6D+6rpxAKsQIlqAcAq6xxpoiIswCLylQgLsLpIjTpgcXzcorSdz3N8XAzhJkIsYQFf1ynHgcQSgOMHe0x53ZsjS6P5RipYOMi4AAAgAElEQVSV1uF1634OwL9ZZwmU9wVYyiLL+WSiyJIoZCf6+98K1U3WOYIj8qezx6lNlMvroHqtVSTfRAF8B6x54ok3K8DnxO46oao/U65WX3zj7t2HrcOk0Wijsd9F0XMBfMs6S1o54AetMwA8/LyYLHTU9gk7si2Kn8eUYgFWuDh+sLtaJ44d+4J1CCKan6iyAKu7TlosyvFxi1D9MjeaFhFFfGiLx4e2LhNVdpyN4VT3WGfIAF73Zsll7Fp3865d7RPHj9+CjP3v7gYXxn0nf8fPpC6K+Fkn8li1WLxSgLda5wiNAI+pyNtm//fa6WwF39F8h+8vxscLhc0i8hvWOdJEgS9HqjeN1Ot/YZ0l7UYqlb0aRd8PgHuPPSAiz7POcBqfL2L4/j2TNuz4HI8d2dKLN/eBElUWYHXXnc/cv/+IdQgimp8CHesMKfOExaIcH7cIdi9aFE/NxOvkctxE6DIRYQFWjLwqO2D10OnxJoPWOTwz099q3WUdImnP3L//SL7TeT6Ax62zhEQ8L8CqFotPA/AU6xw+UeArI5XKIescRLQwVf0wgPOsc4TGqb51pFKZ03kmx/GDZ9BOx9t9EQWiKJf7YwAD1llS5N9mZmZGivW6t//e02akUqlC5MUAnHWW1FEdPn1/b+bOzZsvAfBUywyeO3bfNdccsA6RJez4vCju5acUC7AC5dgBq6sU+Jx1BiKKoco50d1lUoDF8XHxlDfcsSbK5SsUuMA6h8ce3To+/nXrEGly+jN3iXUOjz04PDn5gHWINFv92GPPALDCOodn7h5sNmesQ1gYajTuF+DN1jmComoydnupOjwNPIeo8gUskccmhodfAJHnW+cI0Hi5Xv+z+f4BR9mdqd3peLsvUisWXw7gRuscqaH6e6Va7Xk3NZuPWUfJmnK1+imovsM6RwqJinyPZYB8Lsdilziq+2659VYe9E/Izh07cgA2W+fwWPvQunX7rENQb7AAK0B7RkcvFeBq6xxpklNlARYRZYYaFWBxfFy8nKq3G40+YPerRfHz02WRc+x+FUMBdr/qsYjfm3NkvT17sVb7MwCft84RChWZts4QR3gaeD68nyHy1ES5vAoi77POESDnnHuVLNBtRliA9WQP3rhv3yPWIeZz5+bNlyjwW9Y5UqIjwGvK9frrF/q9oN4r1evvUOCfrHOkjaput1xfRPh8EYfTJxK1cWpqE4CV1jl8pcD+m3ftOmmdg3qDBVgBynU67H7VXSf7W60J6xBEREmJjMbXsIAmnvIhMBY/P4tgAV/XOYAFWDFEhAVYvcYCrDlUJNPXOgE059wvAvC6s5MvIsDvAiy+IJmDHWGJ/BU592s8ELwsvz86Oblnvn9QGx6+ih13/4vPhfZ9/f2/C2C9dY4UOCbA/yjVah+yDpJ1Ami7v/+nAdxjnSVNBNhuur4IO+zG4LNG4vi8GyPi5zHVWIAVIufY6ra7xrM6xoIoGFHEEYRdpCKJd8Di+LhFPV6s1b5mHcJnyhGWsYQFfF0nLMCKpZ0OC7B6TDiebD6Z36Aanpy8F8DfWecIgYr4/ZzPFyRz5Dx++U6UZfWhoesUeL11jtAI8Eik+msL/XMXRWNJ5gmAl/d51WLxe6H6k9Y5UuCJSPX7SrXaJ62D0Ck37t59WICfAg93dNOGPaOjl1st7ljwEovTJ5LFz2M8VeWzb4qxACtAIlK0zpAmCtxhnYGI4okqC7C6K/ECLHYvWlRDALUO4Tl+huJxE6GL9NRz0oh1Do/pTLvNDrI9przuzdHO53mtAwCR37GOEAJ1ztsOWJOFwnlQ3WidwzNPDNfrX7UOQURzdaLoDwAMWOcI0JuL9fqC+y+qyvGDT+Jjp9MDGzcOOOD3rXOkwDci1ZuL9Trfw3imVKtNQPU91jnSJNfpPNti3du2b18hwCaLtQPh+luthnWILBHuacVSFgSmGguwAsSN+O4Skf+0zkBE8ZQbfd2WeAGWsotHPHYvinX7pk1rAFxjncNjMwMzM3dbh0iTaqm0CcBa6xweO3hTs/mYdYg0qxaLTwNwsXUOz3x9bM+eR61D+KBcrVYAfN46h+8kik5aZ1hIq69vM4CcdQ7PTPJAApF/KsPDPwnge6xzBEf19mKt9ldxfyQC2AHrSVy77d2+yOHVq/+nANdZ5wjc112n893Fet27f790yopW6x0A9lrnSJFtFouuO3RoM4C8xdqBODjYbB61DpExfB8Uo93psAArxViAFRhuxHedqsiXrEMQ0aJWWQdIk8i5xF+aC2+44znHjagYK1avHgLvWxcm0uQ45e5S53gaPYYAe6wzpF2HhcvzqVkH8IpI7EtdAtTgnnepIufY2Xw2Vf6OE3nmzrGxtRD5bescAWqLyKviikonyuU+Bfhd8F+OjTQaB6xDPNlkoXAZRN5inSNwD2gU3TzaaOy3DkILG2w2ZyLVnwbQss6SCqqjFss67iHE47NGoiYLhYsBXGqdw2MP3bhv3yPWIah3+CIrMCpSsM6QKiL3jlQq37KOQUTxFFhpnSFNRPWQwbL8/oqhuRxbIMfpdPj5iSGq/Px0mYhw/GAMFRm3zpB2wue+ORTgte5J8u32PwNw1jl8Fok8bp0hBn/HZ4si/o4TeaZ/ZuadAJ5mnSM0AnygVKst1tVgC3jY8Mka4tl9TTuffzf47+hcPJRz7ntGKpWD1kFoccV6vQ7VD1vnSIlCc3CwP/FVuYcQj88aiWrn8ywyj8fuVynHAqzAKE9JdpcqT+8TBSDihkdXuShK9GXU6fFxG5JcMzDtdYcONa1D+EyiiKe4YihHWHadAOyAFSNyjvfQPcbOkXNFAK91TzLUaHwDwJ3WOXzWUfV2ZKXyd3wO1+nwd5zIIxPl8hYFfsk6R4AedlH0zsX+UMSOu2dQz15ETpTLY1D9CescAftmzrnnDk9O3msdhJaur9N5JwBv758DMjDd3594MZSo8t1xDOX0iUQJO7LFEnZ4Tz0WYAWGJ6G7y7eHOyKan6qyA1b3tKc2bkx0HMvAypUFAJLkmoG5+9qpqWnrED4T1SHrDD5TzozvqubgYL+yM0mcdieX48ZV7/G6N4uK8Fo3m+o/W0fwWc7TDlh6ai9ui3UOz7TOP3bsLusQRHSKApE491EAeesswRF57UilsmjXcRUZSyJOKCKP9ugVEHHu/eA+1nIdds59//DkJA8aBqawd+/jqrpoASktzgGJjiFUQCDC54sYfc558z2TEdxXjceObCnHAqzwcCO+i0SEVaZEIRBhB6wuUeDhW269tZPkmsLvrniqfACMsXPHjpwCm61z+Gym3eZnqItODgxsAbDCOofHmiOVynHrEGk2US6vAnCtdQ6vqB4pVav3WcfwDZ9n4820Wl6e4K8PD28AsNo6h2fu4YEEIn9Uh4d/HsA26xwB+ly5Wt25pD+pyg5YT+JTV+dasfhj4Od/uabVuReMTk7yHjVUudzvK8DOZeco6b3wRqFwFYB1Sa4ZmEeHGo37rUNkieP7oFg8YJh+LMAKyB3btq0EcJ11jjSZnp725uGOiBamwHrrDGkhQOIPGxwfF8+njUYfbTh48DpwDGmcr93UbCba1S7tlC9DYgkwbp0hA7YAyFmH8ImINARw1jl8087n91ln8JjLDwx4+f2oItyMnov3w0SeuGNw8AKI/JZ1jgDNaBS9eil/8PZNm9YAeEaP84TErZie9uKe5o5t21Yq8G7rHIHqCPDikcnJ26yD0PKNVCqtCHibdY4UuCHJxdr5PPfe4/FZI0F3bNu2UoBN1jk8duLghg0sdE05FmAFZOWJE5vBjfhu+ipfWBKFQYALrTOkhVoUYHF8XCyfWu37iJ+fRfHz02Wimmir+NCoCAuweozXvbl4OnB+o+Pj9wNYdMxRRj08Uqm0rEPMR1X5gmQW5f0MkTf6+/t/G8BF1jmCo/rekUrlnqX80VWrVm0F38s82b2DzeZR6xAAMHDixOsBXGmdI0QKvKFUq/2ddQ46d8Va7RMA7rbOETIBBhNeknsIMfiskawVJ08OgmOsFyTA3qQn1FDyeKMfkA6/RLtKWfVMFITm4GA/gLXWOdJCRB5Icj2Oj1sSPgTG4/1PDG4i9EAUsQArhut0WIDVe7zuzcVr3TwEUKgu6WVvBn3VOkAM/o7PwgMJRH6oDQ+PCvCz1jkC9LW8c+9a6h9W1bFehgmQF3v0p7u/vcU6R6A+OlKrfdA6BHWHAA6qv22dI2QKXLBndPTSBJfk80UMPmskjp/HGDxgmA0swApIJLLFOkPK7LUOQESLO7FiBbtfdZE6l2gHLI6PW9QDpVrtm9YhfKYAu0TEiDzZrE6L5uDgaqheb53DYyeEI896j91x5nCdDq91C4mib1lH8NTXrAMsiCMI53BRxN9xImM7d+zIuSj6KPi+4KwJ8OqhRuPYUv+8inDk+ZP4cqhoRX//mwGss84RoM8vdfwmhUNzuY8D+Lp1jpDl2+3kumBxDyGWivBZI0GOBViL8eK+h3qLD1QBUc5M7SoR2W+dgYgWp60WC7C6KBJJtACLY5TiCW+4l4KfoRg8NdNd0/39JXDkd5yaryO90kKBCKo8eHOmDgv/YqgesY7gJREvC7B2b916IYDLrXN45oGRSoWFhETGNhw8+GqoFq1zBOjfSrXaJ8/mLwjAjrtP4kNnkj2jo5cqwCKiszc1PTOzg8+I6TNSqbQg8j7rHCFTkY1JrFMbHj4fHJ0aZ0ZFOFIzQcLD1LGccywIzAAWYAVEgeusM6SJ63Tutc5AREsQRRdZR0gTTXgEoeMN92LMNxp9dufmzZcAeKp1Dm+pHilVq/dZx0gTx5ch8UQ4frDHqqXSNRBZY53DM/eOVCrHrUN4S/WwdQRPeVmAlW+3WVg+G0+kE5nbMzp6KVR/0zpHgE64fP6VZ/MXJsrlKwA8rUd5guRDF8So3X4bgPOscwTmOEReeFOz+Zh1EOqNE8eO/SmAo9Y5QiWqVyWxjooUAEgSawVJpMki0eToqc9iwTqHx3T6xImGdQjqPRZgBeLAxo0DAlxhnSNNJJ9nByyiAERRdJl1hjTJt9vJdsBi96JYbIEcL5/L8fMTQ0QaAjjrHGnC0+iLcI4FWD0mHB0wHxYrxxARdsCahzr3ZesMC+C9zVz8HScyFrXb7wNHr501Bd41Oj5+dgdiOp2xHsUJ1TdGKpWHLANUi8UrBXi5ZYYQCfCKcrXKl8gp9sz9+48A2GmdI1Quoa5UPPy8KD5rJKhRKFwF3lPGue/0tZVSjgVYgTh23nkbwXEoXSPAIyOVyiHrHES0OFVlAVb36Krjxx9MeE2+ZIrh2m0+BMYQEX5+YnD8YPcpsNU6g89yqizA6jHH7805lBumsVSEhbjz0L4+L8dMcDz3XMoRDESmqsXiswV4kXWOAE0dWbfuvWf7lySK+Lxxppp1AAV+HcCAdY6QCPAHpVrt/1jnoN4T4E+sM4RKgKsSWofPF/G4n5Cgdj7PgsB4fPbNCBZgBaKTy3H8YBcpwO5XRIEQFmB1jQDfuHZqajqp9Tg+blHHRhqNA9YhfCYifGiLwxeWXTVRLl8kwNXWOTz2xNDkJK9ZPcbN07mE3SJjqSpHVs51fGR8/CvWIeajPKE+R16VL0WIjDQHB/sV+ANwdNFZc6qvvXnXrpNn/RdV2QHrSdT4RWR9aOg6AD9tmSE0CtTXHDnyeusclIxSrfYlAHdZ5whUIh2wwD2EWI57p0nj5zEGDxhmBwuwwnGtdYCUmbIOQERLJHK5dYS0UOBgkutxfNyi9nJ8XDx2gonn+MKyqyLnOH4w3oQAah0iA1icMQu7/cUTERZgzSay38d7rObgYD+A661zeObo0OQk92eIjJzs63sTeF1ajr8frdf/5Wz/0s4dO3IASj3IE6zI+EVkJ4reCiBvmSEwx0XkJ5I83En2FPgz6wyBukR7/A7+tu3b8wAGe7lG6AY6He4nJIt7+TF4wDA7WIAVCFVlB6wuUuCr1hmIaIlYgNU1CiQ6iiWKomKS64XG+qSn7+7Ytm2lAJusc3isI/n8PusQaaKqHAcSR2SPdYS0271164UAeN9zpm+MVCoPWYfwmupa6wge8vKU/kxf3w0A+q1zeKbhY7EcURZMlMtXQORt1jkCdDxSfdNy/uK1Bw5sAXBel/OEzuzF+GShcBmAF1utHySRN5SrVS/HPFPv9HU6fwsexlqOXKVcvqCXC6w5cuR6ACt6uUbgvlrYu/dx6xCZosr3QTE6uRzfB2UEC7ACIQALsLooAu63zkBES6R6hXWEtBCRexNespDweqFpWAfw2YqTJwfBk6hx7h2pVI5bh0iZEesAnpuwDpB2uelpfm/OxtOBixNZbR3BQ16+GOzwNPAcwhEMRGbEuQ+BxUBnT+TtxXr9K8v5qy6KeODjTCcOrVuX9D7Vd7Sj6I1gYfSSKfBP5Wr1o9Y5KHlDjcb9AKrWOUIUOXdxL3++dDrcQ4jHZ40E1YaHzwfAd3kLEOCxrePjX7fOQclgAVYgWIDVXc45FmARBWCiXL4IwIXWOdJCVO9Jcj2Oj4sXsQPWYvj5icdNhC4TEY4gjJHrdNgBq8ckl+P4wbl4rVsMDyvMIap7rTPMR3hvMwdHjBLZqJRKPwDgv1vnCNBdKvL+Zf9t1bEuZgmeAHtv3rWrbbH2RLl8EUReZrF2oB5tt1q/YB2CDKn+g3WEQD2lpz89iriHEIOHPZKlIgUAYp3DV3z2zRYWYAVgolxep8Al1jnSRHI5VpkSBUA7HY4f66JOp7M/qbVu2759BcfHxXIDMzNevhz0BQv44ik3EbqqWixeyfvtWA8OT04+YB0i7USV171Z1DkWK8eYKJf7AFxpncM3M63WbusM8xLh7/hcvJ8hStgd27athHMfsc4RJJFXj1QqrXP4++yA9SSqanafFzn3arAD3JIJ8Oob9+17xDoHGYqiT1hHCFRPC7C4hxBP2VE7UQ5gQWAc5/jsmyEswArDOusAabNiepoFWEQByImwgKd7WtLXd19Si607dGgzOD4uzsHBZvOodQifCR/aYgk3EbqN3a9iKDBunSELWHg6V16VG1Qxcp3OVeD91mxf8fgFIX/Hz9TJt9s8kECUsIETJ34FItdY5wiOyMfL1ernl/vXb9+0aQ1Ur+9mpNBZHSq6fdOmNQBeZbF2kFQ/UarV/to6BtkqV6t3AzhonSM0KrKmpz+fzxex2HEoWez4vCh+HjOEBViURY/zpTdRGBzHr3bT1Dmd1Dx7vOGOweKZeHqqXXHBOofPuInQXarKAqwYIsICrB5rDg72C3CDdQ7PnHh8/frEuneGqA1ca53BQ152v9ozOno5OFr9TCJTQ43GMesYRFlSGx6+FiJvss4RoMOi+pZz+QErVqwYAZDrUp5UsCrAWrFq1csVuMBi7QA90enr+yXrEOQJkWUXoWbYql794Gqx+DQAF/fq56fA4XKlkthhdALA90GxIoDvgzKEBViURQ9ZByCipRF2wOoekURfYCq7F8Xi+Lh4E6OjV4MdQBckwCMjlQrvZ7opiliAFUM7HRZg9dh0f//1APqtc3imefOuXW3rED4TkY3WGbwj4mUBVq7T4Wb0bIajp4iyyol8EMCAdY7QKPBrpVrtwXP6IVE01qU4aaGdgYHEuyDu3LEjJ8Crk143VAq8bev4+MPWOcgPonqbdYbgONezAiyw2CWeakMAtY6RFbdt354HMGidw2Ot/lbrLusQlBwWYFEWfcs6ABEtkeoW6whpIar3JLqgKguwYqhzfOEUI+p0+PmJoTwx01UKRFAtW+fwmHYGBirWIdJOVYvWGbwjUrOO4Dvh/dZ8vmQdYD78HZ+L9zNEyaoWiy8C8APWOQK098i6db9/rj9EVLd2I0yKTN24e/fhpBfdODX1AgBXJr1uoCbu27jxj6xDkD9cFO0CC1rOVs8KsByfBeNx+kSi1hw5cj2AFdY5PHbXYLM5Yx2CksMCLMoekcesIxDR4u4cG1sL4BrrHGmhqol1wFJAIMLiuRh9zrEDVjyOH4wj0rCOkCbVUmkTgLXWOTx2cGzPnketQ2QAr3tz8Vq3GHbvm23m8Nq1vm6083d8logdYYkSc/umTWsU+B3rHAFSAV7VlY6cIizAehKxezH+KqN1Q9OByCtuufXWjnUQ8sfpTuwcEX8WVGRlr362iLADVgxV5bNGgqTT4fNuDE5DyR4WYFH2qLIAiygAfa3WEACxzpEaUZRYByyOj1vUo0ONxv3WIXymPMUVix3UuktUWcAQQwGOH0wCN0/nww2qGLdv2rQGqtdb5/CJAOM379p10jrHfIQjQubD33GihKxcufIdAJ5unSNAf16q1b54rj9kslC4DPz//wwWLyInyuUtCmxPet0QKfDH5WqVXZBpPtwf8AefL2Lk+KyRrCji5zEGDx9lDwuwKHtUOYKQKADqXMk6Q4p0NMGOORwftygWzyxCAH6GYkRso91VynEgsURkj3WGjOBm1Zm01dfHDaoYK88777sA5Kxz+MQBn7HOMJ/m4OBqABusc3jmG6Va7UHrEERZMF4obIbIK61zBOhxAf5nN35QJ5cb68bPSROLQ0WRc69Jes1AHW63Wr9pHYI8JVK1jhCSCHC9+LkT5fIqANf24menROfEypX7rENkimrROoLPlHv5mZO3DkCUNOEIQqIg8JR4F4ncPVKpHE9wRbacjcGWs/Fqw8PnO+AK6xweO3lo3bp7rUOkiYiMqnUIjznneMK1x/aMjl6OdvtC6xxeUf3yjbt3H7aO4TXnboawWeyTiYiXBVgzfX0F8ADkGYT3w0SJUECqudyHAfRZZwmOyC+XqtVvduNHqepWfmefqc+5RL8H7hgcvECBn0hyzVCp6jtv3LfvEesc5CdRrXL/xAtbwMM4cR4YmJ6+oVLi+f7EqPJdXox2Ps/n34xhARZljnIEIVEYomgYyke6bhDVRNuGq+owtxYXxpaz8fTUGC5+hBa27+Zdu9rWIdKiOTjYf5IFv3HaksvVrEOkXa7T4WdwNp4OXJzI91hH8MzjBzdsGEfVv0P5HZEh3ticiSeAiZJRKxZ/DsCzrXMEqHJww4Y/6dp3igg7YJ3p0aFG4/4kFxzo6/t5AKuSXDNQB1e2Wh+0DkH+munvr/fNzDjwcIEpYbHLYq6A6oR1CCIAUOD+sT17HrXOQcliARZlTxTxJDWR5yYLhfPaqlusc6SFAxJ9E8XuZYtiAVYMB/AlZQx2UOuu6f7+AoAB6xweaybcQTGTRHWYJedn4rUu3p2bN18CgMd5z/T5W269tWMdYj68N56H6psrxeKbrWNQF6neV67XOWrTI6c7/rzLOkeAnEbRK7v1naJAVFUtsQPWGRI94KGAVEVenuSaoRLgVwebzRnrHOSvG3fvPlwbHr4w1+nworYER1evPtmjH83nC6JAiCoPH2UQC7Aoc0T1hHUGIorXzufHoMrvqC7JJXji4/T4uCuTWi9AMwMzM3dbh/CZqA5zc3phwo4RXeVUtwo/bwsT2WMdIQsUGLbO4JsI4LUuRl9//w9DlafOn8zT8YMAIECRRZaUerxH9c5AX9+7ADzFOkdoBPhouVLZ3a2fVymXB8W5Nd36eamQ8PWiVix+N4CNSa4ZqL3FWm2ndQjyX7Fef8I6Q+apFq0jENHSsPtzNnHDjjKnwwIsIu+J6k3WGVKkEzmXWBeJ9qmXyKxmWIhIk6cJFxFFLESIwYe27pIoGrXO4DXnxq0jZARPr87ioojXujiqP2IdwTf5dvuz1hnms3PHjpwCm61zEPUaOxf6pTY8PAqRl1rnCNCjrb6+X+vqT+x0OH5wrqSvFz+b8HphEvkVAZx1DCKKp6fe63NyCFEgIj4nZRILsChzoijqVdtPIuqebdYB0kKBe4YajWNJrScihaTWCpGoNqwz+GyiXO6D6g3WOTymAPZah0iZEesAPnMJdlDMqubg4GoA11jn8Mzj5Url69YhfNXYsmU9gJutc/hEgeZQo/Fl6xzzuXr//o0AVlnnIOq1nCpfLHhCgUhFPgzu+5891TeN7dnzaDd/ZCTCAqxZXLudWKH9nWNjaxX40aTWC5bq7nK1+inrGES0uGqpdA2A1dY5iGhphM9JmcQHMcqi49YBiGhheqp70o3WOVKkkuRiIsIWyDHYvSieqF4PYMA6h8fuG6lUDlmHSIvm4OBqnPrM0fxOSj6/zzpE2h3v6xsCn8vPJFKXUwWnNI+ZfP5F4HflbN6Oy8nlcrw3pkzo5HI16wx0Sq1YfKUCW61zhEaA/yzV63/R7Z/LfxdzTEtf3/6kFuubnv4xAOcltV6oHPAO6wxEtDTqHJ8viMJxdLheP2gdgpLHjV7KnFynww5YRB6rFYvXK3CBdY7UUK0mvB47YMXQTocnHuLx8xOHHdS6arq/vwwgZ53DY7WRSqVlHSLt2DlyXrzWxRCO0ZkjAv7OOkMM/o5TFrBzoSfu3Lz5EmUhxXK0Abyy2wXgk4XCeQDY4flM+xJ9xhD5mcTWCpVIbaRe/1frGES0RNxDIArJXo73zSYWYFHmtPN5FmAReUxFOFKlm3K5xDpgTZTLfQAGk1ovRDPtNguw4g1ZB/AcPz9d5FRHrTN4TWSPdYQsENVh6wwe4rVuAeOFwmYAvHad6a5SrXaXdYgYvLehLGiwc6Ef+vr7fxfA+dY5gqP6oVKt1vX7j04uNwIg3+2fGzIFEusKPlEuPwPATUmtFypR/S1ew4nCIXy+IAqGJHjfQ35hARZljkYRHyiI/PYc6wAp0uprtZIcBfEMcCROnK/d1Gw+Zh3CayxEiBXxoa2rhEUM8Zwbt46QEdw8ncV1OrzWLUByuVdaZ/COyK3WEeIowHsbSj+OWfdCpVR6FlR/wjpHgB7WXO7tvfjBKjLWi58bsijBQvvIuZ9Oaq2A3VOs1f7BOgQRnRU+XxAFQkV4wDCjWIBFmSPOiXUGIpC248YAACAASURBVJrfzh07clB9tnWOFKkMNRrHklosco4PgPH4YmJx/AzFUL7c6i6RrdYRfBYB7IDVYzt37MhBZIt1Ds+0zj92zOduRmYmC4WLBXiJdQ7fiOpO6wwLqRaLTwHwNOscRD3nHO9Rjd22fXseqh8BwD3PsyTA60cqlUM9+eGqfN6YJclnWgVuSWqtYKm+j6ORiMKxe+vWCwFcbp2DiJaGe/nZxQIsyhxR5WYEkaeuvvfeMoD11jnSQoEvJLwku3jEYMvZePWhoacDuMg6h8eeKNZqX7MOkRanX4pfZZ3DY08M1+tT1iHSbsPBg9cBWGWdwzN3XTs1NW0dwkftfP61AFZa5/CJAk2fxw922NmTMoJdWu2tOXToTQBY1H32vlis1f62Vz9cAXbAOpOqSCOJhcaHhrYC2JDEWqES4DHN5T5unYOIli7fbnPvnSgcHQB7rUOQDRZgUebkOh1+7ok8JSLfa50hTVT1i4muxwKsxSSy0Riqlgg/P/EmBeAY5e4ZsQ7guQl+3hJRsA7gIX5XzuPOsbG1ovoK6xwe8rb7FQAI740pG1qrjx692zpElu0ZHb1cgF+xzhGgGYi8olf3vBPl8lMFuKwXPztYql/uWbexWaJcbkcS64RMRf5wpFI5bp2DiM4K9xCIQiEyxe/Z7GIhCmVOix2wiLwlIs+xzpAiHcnl/jPhNfmSKQZnfsfjS8p4AvDz00XKcSCxBBi3zpAFosrr3izsFjm/vlbrrQpcYJ3DMx1E0cesQ8ThvQ1lxN3sXGgr12p9AMBq6xyhEeB95Wq1d8WDnQ67X82W0BgeBQSqHD8Yr5XrdH7fOgQRnR1hh12icDjHvfwMYwEWZY709bEAi8hDE+XyOgDPtM6RIvWkThYCwGShcBmApyS1XnBUj5Sq1YPWMXwmADcRYnBmfHeJCAuwYjjVPdYZskCBonUG3/BaN1d9aOjpUH2ddQ7fCPDvI5WK36N5o4j3NpR6ysJZU5VS6fsh8iPWOQL09YGZmf/dywUiERZgzaIJHSqqDw9vA3BFEmuFSoF/GZ6cfMA6BxGdHeXeKVEwVKRmnYHssACLsqjPOgARzSWq3w+g3zpHaiQ8fnAmitgCOYaINDjOaxFRxC4RMdhBrbuUIwhj9Tk3YZ0hI/jdOYuKcAThLJ0oeheAVdY5fKMif2KdIc6BjRsHoLrJOgdRr0Xs0mrmjm3bVsI5drBZDpHXDjabR3u5hLIAa44ooYJNF0XsfrUY1Y9ZRyCis9McHOwHcL11DiJaGlXl/laGsQCLMkdUz7POQETzcO6HrCOkSQR8Icn1OGIlHotn4k0WCudBdaN1Do+11h061LQOkRbVYvFKABdb5/DYg0ONxv3WIdJuslC4GMDTrHP4RIH7RyqVb1nn8EltePgmAD9pncNDD6vIp61DxDm0bt0gePiLsoHPOUZWnDz5yxC5xjpHcEQ+U65WP9HLJRSIoFru5RohclHU8wKs0+MHf7TX6wTuG8jl/tk6BBGdnen+/uvBw+tEwcixw3umsQCLMocFWET+2bljRw4i/806R4roTH//7UkuGEURxyjFcY433DE6uVwBQM46h8fuvnZqato6RFo4VY4fjCPC8YMJaIlwdMAsosrvyie5bfv2FU7kj8F9mzkE+NhIpdKyzhEnco6/45QJLopYgGWgUiptVODN1jkCNJ3rdF7d60Umh4auB7C21+sE5olypfL1Xi9SKxbLAJ7e63WCpvpx3++jiGgup8rnC6JwfLNUqz1oHYLscCOPsogFWESe2Tg19UwAF1rnSJG9Y3v2PJrkgk6VHbBiJNVqP2D8/MTji60ukigatc7gNefGrSNkgYjwujeL8nTgGdY+8cS7ANxgncNDKqp/Zh1iCfg7TlnwdXYutCGqHwCwwjpHcETePTw5eW+vl3FRxPGDs4nUBNBeL6Miz+/1GqETkb+wzkBEZ4/TJ4jCIXwXlHkswKLMcaqrrTMQ0RwcP9hFmvD4wclC4TwBOD5uYZ1OLsfxcfEK1gF8xpnxXTdiHcBnqjphnSEjeN2bjde676iUSs+CyGusc3hJZFexXj9gHWMxyhcklAWqPCRgYGJ4eIcCP2idI0AHD69d++4kFlKAHXdnS6gruKiyu368SqlW47WbKEQ8xEUUDBXhd23GsQCLMkfYAYvIKwqIAi+0zpEmIvLZJNc7PT6O9xQLu3ekUjluHcJnCnCEZYxIpGadIS0UiKBats7hMe0MDFSsQ2SBivC6N0uOJwQBAHtGRy9V1f8L3lvNS1R/zzrDYhQQsMiSMoCdC5N3+6ZNayDyPuscIVLV1968a9fJRNYC2AFrFk2gq/NkoXCx8rBNPJGPWUcgomXj8wVRKBIqPCd/cUOPsieK2AGLyCPVUmkMwFXWOVLkZL7d/nySC6oIHwDj8cRDDD11P7rZOofn2BWmS2rF4jMArLXO4bGDSY+wzaLbtm9fIcAm6xyeOTpcrx+0DmHtwMaNA7l2+x8EuMw6i6fuKdZqn7YOsZhasXgFgPXWOYh6jp0LE7dq1arf4HfEMqh+YqRe/+cklpool1cJn2/niBIo2Gzn888D33fFmW7n839tHYKIzt5koXAZgIuscxDR0mgux+ekjOMNKWWOql5gnYGInsS5H7OOkDK7hhqNY0kuqKrDSa4XGs78jjc5NLQRAIujF/ZAqVb7pnWItFBVjgOJIcAe6wxZsPbw4UEAeescnmkI4KxDWDu8du2HAGyzzuErAd4bwufEqbLDHWWCRBG7tCaoPjQ0qADH05694xHwhqQWk1Pddnmfd6aZgZmZu3u+iurze75GyFQ/y8M2RGFq5/N8viAKxzSAe6xDkC0WYFHmiMgl1hmI6BQFIhX5UescaaLAvya9pgCcQR+PJx5itEX4+Ykh7KDWbRxJEUNFJqwzZIGo8ro3C691QKVUegtUX2adw2MPrjly5OPWIZaE3WEpG46WqtX7rENkhQLioujDAPqss4RGgXcW6/WvJLaecxw/OIsCdw02mzO9XKM5ONgP4Dm9XCN0IvIJ6wxEtGx8viAKR3OkUmlZhyBbLMCiLHqKdQAiOqVaKn0X2+d3l4j8S5LrnR4ftyXJNUPTzud5MjyGRBE7qMVQVX5+ukmEHbBiRM7tts6QBQ7gdW8WTWAsjc8qpdLrofoe6xxeU/29a6empq1jLIWwOyxlgACTIXSkS4vq8PBLFNhunSNAB9YdOfL+JBeMoojPG7NIAvd5JwcGxsBR83E6Loo+aR2CiJaH0yeIgpLp/S06hQVYlD2qF1tHIKLTVG+xjpAmCtxbrlanklyT4+MW9Y2t4+MPW4fwHDvBxIkidlDrktOnonlqcGHtTi7HTYIEsHPkvDJ7rasWi2+A6vusc3jukOZyf2Qd4izwd5yyILPX7aQ1tmxZDxEW6S6DAL+YdPGuqrID1lw973Qqqs/u9RqB+8JIpfIt6xBEtDzcQyAKh7LDO4EFWJRNLMAi8sDpF+E/bp0jTUQ10e5XAMfHLYYjlRanHMUVy7Xb/Ax1yXR/fwHAgHUOjzVHKpXj1iHSTgEBCwFn6+Tb7b3WISxUhoffrMDvWufwnupHRyqVQ9YxluLOsbG1ELnaOgdRr2W9c2GSZvL53wL3Mpfjb0q12n8kueBkoXAxgCuSXDMEzrmeXy8UuLnXawRN5NPWEYhoeZqDg6sBbLDOQURLE/F9EAHIWwcgMsBNCyIPTPf3/xCAC61zpIkDEi/A4gmceHwxEW+iXL5InOMY0oUdG2k0DliHSAunulVErGN4S4Bx6wxZUB8evhLA+dY5vCIyNdRoHLOOkaTm4GD/yYGBD0P1ZdZZAnBCc7nfsw6xVPl2u4BThZZEqaYifLGQgEqpVOZ3xTKoHsmpvinpZTu53I1JrxmCgU6np9eLAxs3DhwGtvVyjRT4N+sARLQ80/39W8BmKkShUFHlcxLxok2ZtHayUDjPOgRR1qnqz1hnSJmj5x89+sXEV40izqCP4xxvuGNEzrGAL95eAZx1iLSQKBq1zuAzFWEBVgI6AL83Z1PNVLHyntHRS6f7+z/PF+pLo8AHRyqVh6xzLJWo8necsqADIJOdC5OkQATnPgIgZ50lOFH0G8OTkw8kvayKcPzgXF8t7N37eC8XOLJmzRiAlb1cI3BfK1erd1uHIKLlcdxDIArJV4v1+hPWIcgeC7Aok1TkKusMRFm2Z3T0Uoj8gHWOVBH53LVTU9NJL8vxcfEcC7AWw89PPH5+ukhVWYAVw3U6LMBKADtHzqUZOh04PjS0NWq3xxX4LussgXi8v91+j3WIsyG8N6ZsOMCxxb1XLZV+ESzoOWsKNFXkwzaL61aTdT2mQM8L7R2wvddrBE2V3a+IAsY9BKJwKPfy6TQWYFEmtVmARWQqarVeDI7B7SpR/XTSa06UyxcJwPFxCzt59IIL7rEO4TPHTYRYfGjrnts3bVojwDOsc3jshOTz+6xDZASve7Nk4Vp32/bt+Yli8dejKLqd905nQeTdve6a0W3K33HKhkx1LrQwWShcDNV3WucIkKrqq0YqlVbiC58aPzuS9Lq+E5GeXy9EZHuv1whaFP2HdQQiOid8viAKRJSB/S1aGhZgUSZJFF1tnYEoy0TkZ60zpEyr1df3j0kvyvFxi2revGtX2zqEz4RttGNFfLnVNatWrSqB41vi1C1eVGWRivC6N0sugRdzlsaHhrauPXRotwBvB9BnnScgD0wPDHzIOsTZuG379jyAzdY5iHotC4Wz1lq53HsBrLfOERoB/nK0Xt9lsXa1VHoGgPMt1vZcT68XE+VyH1Rv7OUaoevkcl+0zkBEy7Nzx44cgC3WOYhoaTTl+1u0dOw+QpkkqldZZyDKqmqx+GwFbrDOkTKfG9uz51GDdVmAFY8vJmIc2Lhx4DBwvXUOj7mBmZm91iHSwqmOioh1DG8JwPGDCZgol9eJc1dZ5/DMN0u12oPWIXrhzs2bL+nL598BkZeCh9/Onurbb/rSl05Yxzgb6w4duk6BldY5iHotiY42WTZRLj9TnPsp6xwBOuyi6JfNVnduDHzemCPfbvf0eqHt9maJIn73LkRk/9bx8YetYxDR8ly9f/9G5HLnWecgoqVxuRzfBxEAFmBRRinADlhERlT1l7gp1WWqO02WZfeiWMLuRbGeOO+8GyJ2AlmQAlODzeZR6xxpIcCodQafqeoe6wxZIKoFnBpPQ6el8buyNjx8vgPeBJHXAeBm+fLcc/j88//cOsQy8HACZYKK8MVCj9y2fXteDh36CHi/cNZU9ZdHKpWHrNYXka1qtbi/Dhcaja/0coEolxuF8v/5GOx+RRSwKJ8f4jWOKBiHRsbHv2wdgvzAAizKJhEWYBEZmCiXnwrnfsQ6R8rMREDi4wdP40umeHwxESMS4ecnRsQXW90lstU6gs9yquyAlQBRHebW6ZnS9BJ/slC4rJPLvc6pvhwia6zzhEyAXw1xjLOqDvOgCaWdAI+UDYtc0m7tE0+8HiIF6xwBqtx37bUfRd2urluBMbPF/VUXoKe3v6I6yvvrGM7dYR2BiJaPewhEQWn0+r6HwsECLMom1U0KRAI46yhEmeLcS8GON92l+plivf5E0styfNyiVFQb1iE8xwKsGMoCvq6pFotPUeAq6xwee2JocvKAdYgscMAQSzPmCPpat3PHjtzGqanvU+ClbeCHAPSxAOecfa5Uq/29dYhlYXE5ZUCaCmd9M1koXNYW+XXrHAFyEHnVLbfe2rEKcMe2bStx8uQWq/V9lUSnUweM8M5rYc65CesMRHRO+HxBFA4+J9F3sACLsmpVfXh4A+p1vmwiSsht27fncejQy61zpI2ImIwf5Pi4eAp8xaIwLiQiwlNcMdS51I3lstJRHY1YEBFngie0kiHcPJ3DtdvBXesUiCrl8k2Rczt0auqFCjzdOlOKnIxUf8k6xDng7zilH+9Re6ady/0egNXWOQL0x+Vq9U7LAH0nTpQgwv2RuXr6IvKObdtWysmTm3u5RuCOfXnTprvR4NlAolApny+IgpFE4TmFgwVYlFkdYBAAC7CIErLu0KEXKHCZdY6UOTnT3/9PFgtzfFw84cnwRXETIV6fc/wMdUkEjFpn8JkAHD+YgNOF6HxBdKaTRy+44B7rEEuxZ3T08qjV+p5I5PuqwHPEuYtZtdgDqu8uBnpI6s7Nmy8BcKl1DqJeY5fW3pgYGvo+AC+0zhGgRzWKftU6RBRFW6G8M5jNRVFPX0SuPHGi6ET4fmshqjXLznBEdG5Od3PnYR+icPA5ib6DN6iUWZHIZgD/aJ2DKCsUeKN1hrRR4N9v3L37sMniUTTMDcZYvOGOMVEuXwHn1lvn8Ni3hhqN+61DpEYUjfJ6tTAVYQFWAtY//vimThStsM7hmebNu3a1rUM8mQLRxOjoVWi1nhFF0WaobgVwI9rtp0OEreJ6SIF71x09+m7rHMvV19/Pe2PKhLwqn3O67MDGjQOHc7kP8hpy9gR4S7lS+ZZ1DqiOWUfwUPvImjV39XKBjgjHD8YRYScOorDx4CpRONonV6xoWocgf7AAizJLAZ5AJ0pIpVR6FlRvtM6RNhHwt1Zri+oQt4cXxvFx8SLnOH4wHl9sdZMqO2DFyLfbLMBKQFtkiC+IZhF5uFIqlZNaLnJuQEVWqchKUV3vVNdLFK1X1cvkVJfWy6vA1VG7vRIi4IvwRGkE/NK1U1PT1kHOAV+QUBaceHz9+v3WIdLm8Nq1vwzVTdY5AjRerNU+Zh3iNBZgzXX3zbt2nezlAqI6CI6aX5AAfBFMFDAHcA+BKBAK7L/pS186YZ2D/MECLMosFmARJUj1TdYRUuj4wMzMp6wW5/i4eBwfF4+bCPE42qV7asPDVzngYuscHnuI3daSIewcOZfq8wA8L6nl3Ldf0KlCAcjpIit+H3lA9eOlev0/rGOcCx5OoIzwrnNh6CbK5Q1w7q3WOQLUcc79ggDOOsjpEVFXWefwUBKH0m5IYI1gqQgLsIgCJqrDLDIlCkPEvXyaJbIOQGRFgGc0BwdXW+cgSrvxQmETgOdb50gbBf5usNk8arF2bXj4KgAcH7ewJwqNxlesQ/hMgGHrDD6LktmszgQXRVutM3hNZLd1hKwQVV73iOZ3SHO5t1iHOFcKFK0zEPWcSM06QtqI6gcAcETxWRLgI6OTk158HlWE3a/mkcihIpHre75GwKanp1mARRSyKOIeAlEgVJV7+XQGFmBRluWm+/sTG3lBlFW5XO5N4PdN16nqn5utLVKwWjsQDQHYBCEeO6jFUBGemumeEesAnpuwDpAh/O4kmo/q60YqlYesY5yLO7ZtWwngWuscRAloWAdIk2qx+MLT3SDpLAjwiKj+hnWOb1NVFmDNo9eHivaMjl4K4MJerhEyAR65qdl8zDoHES3PgY0bBziemCgcqsq9fDoDX4hTpvGUElFvVYvFpynwYuscKXRwpF7/gtXijsUzsTg+Lt6dY2NrAVxjncNj0ypyt3WItBDVUesMPtNOZ9w6QxZMlMtPVeAS6xxE3hH5x3K9/jHrGOdqxcmTgwDy1jmIek1FeLK7SybK5VUK/I51jhCp6huL9foT1jm+TUTYcXceLop6ui8Szcyw+1UMBe6zzkBEy3do3bpBAH3WOYhoadqdDt8H0RlYgEXZxlNKRL32VrCdfveJ/LllhyVR5YiVGBwfF6+v1RoCINY5PNYcqVRa1iHSQIFIgZJ1Do9pZ2CgYh0iCyLnODqAaK5vtmZmXmEdohuU98aUDdrO59kBq0tE9TcBXGUcI0T/r1Sv/1/rEN+mgIAHPuZQ4P6RSuVbvVxDcrnBXv780AnwZesMRLR83EMgCspDN+7b94h1CPILC7Ao61iARdQjp7s9vMw6Rwp18u32X5gm4AjCWBwftyh+fuKI8MVWl9SKxWcAWGudw2MHx/bsedQ6RBawcyTRXAK8NDWblLw3pmy478bduw9bh0iDarF4A1RfZ50jQG2IvMryMNpsE4XCdQDWW+fwjagmcSiNHbBiqMhXrDMQ0fIpny+IQsJ3QTQHC7Ao654+WShcZh2CKI1E9a0AVlrnSKHPDDUa91stzvFxi2ofXru2aR3CcyxEiMeHti5xPI0eSwGOH0yI8LpHdCbVj5RqtU9ax+gi/o5TFvAetQsUEBX5MDhW6OyJvL9crXp1WCWXy/Fg7zwSGVequqnna4TMua9YRyCic6DKDlhEgVA+J9E8WIBFmdfJ5Z5pnYEobfaMjl4K1Zdb50gjAf7Mcv18u10Ax8ctSIH9N+/addI6h9e4iRDLOccRll0iAAuwYogIC7CSw+IMotMUqB8+//w3WefoFj11X8wT6pR6yjHrXVErFl8M1Zutc4RGgftXTE+/wzrHbKq61TqDj6JkXkRemcAawXLAA9YZiGh5+HxBFJaE7nsoMCzACoCLIm9aK6eRA55jnYEobXKt1lvA7le98K2BmRnTbgGiypfIMSSJk54B27ljRw7AZuscPhvodPjQ1i0ifCESQ1mAlYiJcnkVgOuscxB54mjeuR9LU7H6xOjo1QDWWecg6jW+WDh3d46NrVXgPdY5QhQBrxtsNo9a55hDhB2w5tHrDlinixMu7+UaocuJfMM6AxEtT61YvAIcb0sUjEQ6f1JwWIAVgMi5hwG0rXOklQDfa52BKE3qQ0NPh8grrHOkkupfDTabM5YRhN2L4jnHFxMxNk5NbQKLM+N8tbB37+PWIdLgwMaNA+CJwThtAFXrEFmg7fZmADnrHEQ+EOBlw5OT91rn6Kao0+HhBMoEF0V8sXCO+qanfwvAU61zhEaAz5Zqtb+3zjHb6eeNLdY5vKN6pFSt3tfLJcZHRy8BMNDLNULXzucfsc5ARMvDvXeioJw4uGFDqvY4qDtYgBWAkUqlpUBPH1wy7qqJcnmDdQiitGhH0dvBAoue0FzOdPwgACjHKMVSVRZgxePnJx4/P11ydPXqArgpH6c5Uqkctw6RBZEIr3tEACDy3lKt9jfWMXqAv+OUegI8NlKpfM06R8gmyuUSD6oty0yn03m1dYj5HFmzpgQ+b8whIg0BXE/XmJm5opc/PwV0/eOPswMWUaA63EMgCoYAe2+59daOdQ7yDwuwAiHAfusMaSaq7IJF1AXVYvEGAX7GOkdKfXGkUtlrGYDj4xbXp8qT4TEcX1LGEhZgdU0HGLXO4DMBOH4wKVHE06tEIp85uGHDL1vH6AXlCXXKABXhPeo5UCAS5z4CdsQ8awK8Z7TR8HJP3Kly3Pk8NIE9kVwUsQArjurRa6empq1jENHyCPdOiYLB5yRaCAuwQiHi5cNmWgjwHOsMRGmgwLvATcXeEPmAdQSOj1vUQ0ONBk8ZxhCALyljcGZ890gUsQArhoqwACshosrNU8q6g9PT0z+e1lOhfEFCmcAx6+ekViy+HMCN1jkC9LVcp/Me6xALEhmzjuCpnl8vHHBlr9cImshR6whEdA54wIMoJHxOonmxACsUznGGaA+p6nMmyuU+6xxEIauUSs8C8N+tc6TUVw9u2PBP1iHAF0yL4Q334vgZisFTM92jqizAiuE6HRZgJUABUdWCdQ4iKwI85jqd593UbD5mnaUXasPD54MvgSkbeI+6TLu3br1QgXda5wiSyKuGGo1j1jEWIgA7YM0jAnp+qEhELu/1GiFT4Ih1BiJanjvHxtZC5GrrHES0NM45HqamebEAKxDCDli9tj5y7tnWIYhCpYBA1d+TiYFT1Q/70DWA4+PiSQIbjSG7c/PmSwBcap3DY4fLlcp91iHS4PZNm9YIcL11Do+dkHx+n3WILKiWShsgssY6B5GRGQD/w9fRUd2gIkMAxDoHUa8lUVCRVvl2+3cAXGSdI0CfLFern7IOsZDdW7deCOAa6xwe6nRyuWbPV3HuqT1fI2ACsAMWUaDy7XYBfL4gCoVOnzjRsA5BfmIBViBmWq3Ublr6QoEfts5AFKpasfgiANusc6TUsf5O50+tQwAcH7cEPBkeo6+/n5+fOKoNAdQ6RhoMrFxZBp9z4tRHKpWWdYgs4PhByjCFyM+XarUvWAfpJR5OoIyY6W+17rIOEaLx4eHvgupLrHME6ES+03mddYg40czMGPiCfA4F7hmpVI73fCGRC3u+Rti87RxHRPGE4weJQnLfM/fvZ9dJmhdfTATixn37HgHwuHWOlPth5cMz0VmbLBTOc8BvW+dIKwH+srB3ry/Xf75kisHxcYvi5ycePz9dEgEcPxhDAI4fTA6ve5RNIv+zXK3+lXWMXhP+jlM23D3YbM5YhwjNbdu3/3/27jRMrrLM//jvPlXdnU5IN7ugiEI6CdCkuk5Vd0IYRzvqOMOM2zVOcBt3RwdZXMYN913EFVDcdWB0/EtGdNwVNdFhAknXqaqupIWQDsgmCArpBEinu+rc/xcJDHTSp5dUnfssv891zRtHu74XVFfXec59nifriHwBXGecO5GP9tVqt1hnBHEch8cPHoQT0jWtAhzACiJSt04govnhQ1xEscJdgmlaHMCKEeGNuVZ7YsV1i9YRRHFTz2bfJcAJ1h0JpSpymXUEAGweGDgOPD4uyJ4dS5bcZB0RZcqnuAIpL9qaRkV4QySAqm62bkgLVXWtG4jCJsDHi+VyOh7OEOHvOCWfSMU6IY66x8YuAIc052N0V1fXp60jZqS6yjohikJ8KI3HegZRbVgnENH8KE+fIIoN4Vo+BeAAVoyoKhc9WkxVn2/dQBQnpWJxCVT/zbojwX5ZLJdvsI4AgEyjwcXjAAJsOXvdOi5yBeAuEcEyHLRvGgH6rRuiLKPKHbDCIpKzTiAKkwJfciuVd1t3hGH94GAWqqdadxCFoGYdEDebBwaOU+B91h1xJMAFazZsGLfuCLL/9ATuuHsQ2miEciNSgCPCeJ3YEvGtE4ho7tYPDmYB9Fp3ENGs8TqJpsUBrDhxnLJ1QuKJvJDHEBLNnvj+ZwB0npDcQgAAIABJREFUWHckla96qXXDo3B4JgCPHwy2cfXqTgDLrDsirLGns3OrdUQSDOdyxwJ4snVHhO3sGx7ebh2RBht7e48EcKJ1B1GI/qNYqZwrgFqHhOGw++47BcAC6w6iEPA6Z44yk5OXAOi27ogbEVlXqFR+Zt0xk2o+3wMegXdQ9Uaj5Z8X6wcHFwBY1OrXiTXugEUUS91jY8sAdFp3ENHs+I7DHbBoWhzAipFMo8EdsFqvp5TPn2kdQRQHZdc9C8BzrTsSS2Rbf7UamcVHHh8XTH2fX7gDdO7ZczqArHVHhG0787rr9lhHJMGE43D3q2CltAxHWGvPZjm4TKkhwBU7enpeJUBqdlxwsll+N6ZUqGezHMCag6F8/m8gcrZ1Rww9BNW3WUfMhu84PH7w4P54xtatf2r1ixxx//0cfptZu3UAEc0L1xCIYkKA+/o97zbrDoouDmDFyE3Llt0I4CHrjqRzRF5m3UAUdcO53CIFLrfuSLhPROkmOY+PC6Z8MjxQg++fQHz/NI/jOCutG6JMAB4/GBLJZPi5R+mg+k23Unl1Co9i5u84pcHtqzZv/ot1RFyM9Pa2O45zmXVHHKnq+wuVyq3WHbOhqrzeOLhQrmnr2eyRYbxOnAl36CSKJT78TBQfPA2FZsIBrBjZv6DJM0Vb7+z92xkT0TTqjvNh8IinVrpVRb5lHfEwHh83I927Zw//PgcQEd6kDOBwAKtpRHXAuiHKVIQDWOHh5x6lwZcL1epr07Tz1cNElb/jlAbc5XcO9rS3vwOqy6074kaBEWQyl1h3zJYDcAesg5DwPi8WhvQ6saVAh3UDEc0D106J4sP3uZZPgTiAFTMC8BjC1jti8c6dz7GOIIqqSj4/AJELrDuSTFUv7ve8SeuOh/H4uBnteMq2bbutIyKNT3EFUhHe3GoSBTiAFSBbr3MAKyR8epWSToAPFyuVf03j8BUAKIcsKQW4S+vslV33SQK8w7ojhhS+f36U1j+CjPT2tvPz/+DC2gnC8X0OF81EhA+WE8UT/74QxQevkygQB7Dix7MOSAMBXm7dQBRFpWKxzRf5KoCMdUuC3bX78MO/YR3xaDw+bkb8wh1AAYFIzrojyhqZDN9DTVDJ558M4Bjrjgi7q69Wu8M6Ig1KxWKbAKdZdxC1iK+q5xYqlfdZh1gpu+7jARxr3UHUag53wJo1Vf08gEXWHTH0rf7h4fXWEbP1UDabB3cXOii/Xg/l86Khyn/+M1Htsk4gornZPDBwHIDjrDuIaHZ4nUQz4QBWzPiO87/WDakgctb+m3hE9Gi+/2/gME5LKfDpNRs2jFt3PBqPjwvGJ8ODlQYGTgLABcDp3b1yaOhu64gkaHD3q5lw96uQOL5/GoB26w6iFtgjwNn91erl1iHG+N2YUiGsHW3irpTPPx8iz7buiKFd6jix2jUs4zg8fvDgHuyv1baH8UKO43AAa2ZHWgcQ0dxkGg1eXxDFx2T75OTvrSMo2jiAFTNFz9sG4M/WHSmQaYj8q3UEUZR4hcKpArzfuiPh/tzWaHzJOuIAPEYpkPD4uEBOo8H3TzDe2GoScRwOYAUR2WydkCJcPKUk+qMATy1UKt+zDrHm83ec0kB1d6Fcvtk6I+pKxeJCiHzGuiOWRN7d73l3WWfMhYpwAOvgamEdSSzcAWs2Dtve08N/TkTxwusLovi4oXdkZMI6gqKNA1gxI4AqwF2wQiDA60rF4kLrDqIoWD84mIXqFQAWWLckmsjn+mq1B60zHo3Hx82skclwACuAcIAvkHLL4uZR5Q2RAL7vcwArJMrPPUoYBarqOKsLlUrJuiUKRNW1biAKwXBYAxVx5vj+ewU4ybojhrbs6uqK3sNnM1FdaZ0QRWHuCu5zAGtWxrq7uQsWUYxwDYEoPgSoWDdQ9HEAK4ZElQNY4ThCVF9oHUEUBd1jY+8Fj3ZqtTEV+bx1xFResXgyeHzctAS4b+XQ0O3WHVGmfIorkMMdsJpCAQe8IR5EJycnPeuI1ODgMiWJyLfhOH/V73m3WadEBn/HKR34HXUG1b6+ZQq82bojhnwBXr9mw4a6dchcbOztPRJAj3VHFIV5TSs85ntWMo3G46wbiGj2hGunRHFSsw6g6MtaB9Dcici1ah2RFqrnAvimdQaRpaG+vpUKvMu6I/FUP9/veWPWGVOJKi8AA6gIb0zMjO+hYHwPNcFwX9+pEFls3RFhO84cGbnPOiJF+PQqJcG4AG8ulMvx26GkhUrF4kL4/lLrDqIQ8DvqDBqO80UA3I1njgT4RqFSuc66Y646OjpWQlWsO6JIRULb1VmBLP8lzExFTgR32yaKhY2rV3difHyZdUeENQCst45ImTMAHGYdEWG8TqIZcQArhjomJrzx9vY9ADqtW1KgWHbdpxYqld9ZhxBZKBWLC0X1Sqjy70Urqe7WTOZz1hkHI6p9HPoN4Pv8wh2gtmLFEZPAidYdEbZnrLv7JuuIJGiIcJfGAAoMWTekxXAud0IdOMq6g+gQ7VDHObvoeWXrkAhaASBjHUHUar4qr3MCePn8SwE83bojbgS4D3F9wM/3V0E4+nMQ/oK9e7eG9WICxGrnNCsq8kTrBiKanc49e073RXjvZToio8Vy+W+sM9JCASm77v3WHVHmOw6vk2hG/FCPod6RkQnPdTcDeJp1SxqoyLsBcACLUkkajYshsty6I+lU5FP9nvdn646D8YE+LjFOT0S2WDdE2YTj5AXgW2gaAmyJ29EbkeU4A1COi05HRDiAFZJ6Npvne5FiTfVbmsmcF8WdWaOAu8MehMglxXL5TdYZRGG5ftWqLkxMXGzdEUeq+s5itXqvdcd8iMhKfsM7qJt6R0YeCO3VHKfO79ozU1UOYBHFRINr78FUuZtfiGq53JMBdFt3RJUCd0T1Ph5Fi2MdQPMkssE6ITVUnzXU17fSOoMobF6h8I8QeYN1R9IJ8KfOiYnPWHdMR1RXWDdEmahyACuA4ziudUPEedYBiaHKHbACKAewwsThDIqrPwuwtlitvozDV4H4O34gPgFMqdI+MfFhAI+37oihUqFa/bp1xHwp0G/dEFFh3xifDPn1YskROdm6gYhmR0R4fRFAuStrqCYdh+/HACLC9yPNCgewYsrx/V9aN6SJ4zjvtm4gCtNwLncSVL8O7lzTcirykVCfFpyDa5cvXwyRk6w7Isx3fP/31hFRpqocwArGAawm2N7T0wHeEA9SB8BjxEIifC9SHIn8pJHNrihUKv9lnRJ5qnnrhKjxGw0+lU6pUSoWVyjAB9Xmzvd9/1wBfOuQ+SgVi0sAHGvdEUUa8hCuqHIH6VlQ1VOsG4ho1riGEMAR4bVGiMRxeL0bxPf5fqRZ4QBWTG1funSTAPdZd6TIc0rFYsE6gigMpWKxrZ7JfBvA4dYtSafALQv27v2Kdcd0Ojo7c+AQXpBb+mq1B60jIk2kaJ0QcSXrgCTYuWhRH4B2644IG+n3vIesI9KCg6cUM3cL8IpiufzslUNDd1vHRJ3uW0PLWXdETP3wBx/kAwmUCgo44vtfBpC1bokd1S8ODA9vts6YL8f3eTLCNBwOYEXVsqvWrs1YRxBRMN237s4BrAC+43DgJUTKB44CCQcCaZY4gBVTZ69b1/CB31h3pIjA9y+0jiAKg6h+EsBq6440cIB3946MTFh3TMdxnNOtG6JMga3WDVFWKhYXAlhm3RFh477j8IZlEziZDI8fDCAAjx8MyUhv72EAeNwHxUFDgcsm29uXFyqVK61j4qJcKJwM4DDrjoi5Yeno6F7rCKIwlPP514BrJfNxT1uj8V7riEOhIqusG6Iq7BvjdR5BOFsdJ99885OtI4goWGlg4CQAXdYdEXZPv+fdZR2RMnzgKIDj+zXrBooHDmDFmKjyGMIQCfCCUrHIC25KtFI+/3yoXmDdkQoiFbdS+a51xgz4hTuAqHIAK4Dj+30A+MTl9Lb0ex4Xj5tAVDmAFUBFOIAVkr3t7SvAa2yKvt9CZFV/pXLBGZs27bKOiRPh08AHUg115xMiKxt7e4+EyMesO+JIgLfltmy537rjkKhyPfjgLG6M8xp6thqNFdYJRBTMaTS4+1UACXmXxbSr5POHC/Bk644Ie6BveHjUOoLigVsmx5hmMr8Q37fOSBMR3/8kgKdahxC1wlAut1xE/h08ci4sFwoQ7Q9xVS7WBBARDmAF8FVdEX6cTEcBz7ohKRTgAFYAv9HgAFZIfCDPTz2KLJFtju+/w61W/9s6Ja58oI+/44+lvClCKdHe3n4xgKOtO2JH9Vq3Wv0P64xDUSoW27Dv4SI6UCXsF3QcZzdUw37ZWBKgH8APrDsomjauXt3ZsXfvy6w74kJFftfveTc2++eKap6faNNTEV5rhEhFcuC9wSBbIn8/jyKDA1gx1u95t3muewOAU61bUuSvK/n887hoTUlTKha7RfW/odpt3ZISvymWy7+wjgiigJQBDmAFaDQaHMAK4Ii4XEQIoMoBrCa4dvnyxQBOse6IsD2SzfKzKiQC8OYcRdGdqvoxOM5X3WqVu0YcAv6OH4gDWJQGlXx+wAdeZd0RQ3UROU+AWF8WOr7fp0CndUckGeyC6Nfr9zsZbrQ9K47DB5VoWu3j4+8H8A7rjpiYzDYaJ7XiB/MBjxn4fqjH3KYdHyoMJgDfjzRrPB4h7lQjfQM/iXyRi9YPDnJ4kRJDAcfx/f+E6nLrlpRQR/Wd1hEzGRoYOAHA4dYdEVaXtrZt1hFRpkDBuiHKlANYTdHR2VkEr2mCVHnUZag4nEFRcpuqntu1e/eS/mr1cn4WNAWPIJyi3fc5gEWJdtXatRnfcb4Mft+cMwEuKVQqsf+MUBEePzgNiyHchu/vDPs1Y0u1qNzJhA6i7Lp9AvybdUeMfC8/PHxnK36w8PoikM9rjVDxgaNg3JGN5oIXjzHnA9yJKXyndI+NvdY6gqhZKq77UQX+3rojNVS/7VarkT8OypmY4O6KwW7ljczpbe/p6QDQa90RYXsW1usj1hFJ4PD4wUACRP7vTVJctXZtBtw5kiJAgZug+roFExNL+6vVy5eOju61bkqCjb29RwJ4onVHxPyxr1a7xzqCqJWW7NhxPlRd644Yutt3nA9bRzSDqq60bogqRyT0nSAWq94f9mvG2FFesciHbekxrlq7NqPAV8HTkWZNgEtb8XMr+fzhAE5sxc9OiPEHjjyy6cc+UiAOYAXjABbNGgewYu6WpUv/B8C91h0p9NHhXO5Y6wiiQ1V23RcotxsOj+puEYnHP28RDmAFG7UOiLJdXV0ugA7rjggb6h0ZmbCOSAIV4Q2RAKq62bohLU6++ealABZZd1BqKYBfqerZN/f0nFasVr/KvzPN1dHRwafTp+ARDJR0mwcGjoPqB6w7Yknkjf2eN2ad0QzCHbCms2esu/umsF90//ebh8J+3bhyfH/QuoGiZcmOHReAD7LNhVeoVK5rxQ+u79v9irvUTW/rmg0b6tYRabH/1Cc+TD09P1uvb7GOoPjgAFbMnb1uXUOBH1p3pI0CR9YzmU9ZdxAdCq9QOEOBK8Ev+uFxnI8UKpU/WmfMisgp1gmRJrLDOiHK1Pe5SB1E9XrrhKQQLhwG8n2/ZN2QFqKas26gVLpXgEv9RuPUYqXyN/3V6rqz161rWEclFH/HD1SzDiBqpUy9/lkA3dYdMfSrYrl8lXVEM1Ty+cOhutS6I4oE2GJ4Y5y7YM2SAoPWDRQdZdd9ElQ/ZN0RK6qfbdWP5nFvM+K1RogOu+++UwAssO6ILJHtfbXag9YZFB8cwEoC1e9bJ6TUP3uFwtOtI4jmo5LPL4XqjwAstG5JDZFtC/bu/Zx1xmwJwB2wgnEHrAAicoZ1Q5Q5wEbrhiTYvxvpk6w7Imxnf60W+lPpaSWq3B2HwrIXwNUCPE8d5wmFSuWNA7XaNuuopOPv+EHxCAZKrLLrPg3AC607YmhCHed864hmaew7fpD3Tw5CVe12QRThANYsCTCofPCWACggCnwNwGHWLTFy14LJyXWt+uEcwArG3XbD5TgO349BfJ/XvjQnPOc3AbofeOBXuxYv3gWgy7olZURVv7i9pye3dHR0r3UM0WwN53LH1kV+BuBo65aUeVPMjoLhAFawW60DIo4DWNNTx/dbsn152kw6zgBXkgOVZN+xZBQOLlZRK+0B8CsBfjA+MfGDM0dG7rMOShsf6OPfnMdSES5CUyKN9Pa2jwNfBIcW5k7kU/2ed6N1RtM4Dnd2noYaDuGK6p95kTM7CjyuXCgUUC571i1kq1wonAvVZ1p3xIrIF1q6li/CNYRgvNYIk+PkofzrOh3lQCDNEZ/gSIClo6N7FfiJdUcaCbBsV1fXhdYdRLM1nMstqmcyPwawxLolZX5YLJd/bh0xWxt7e48EcKx1R5SpyJ3WDVFVKhaPB/Bk644IG+2r1e6xjkgCcRwePxhAgCHrhjRRgLvjULPdpcCVAvxTttE4plipPLdQqXyDw1fhG+ntbRfgNOuOiNmzY8kS7rJIiTTe1vZW8IGk+bgtW69/zDqimWTfDlh0EJYDWArcbvXaMfUc6wCyVe3rWwbVT1h3xIrq7rbJyctb9eNLxWIbgN5W/fwEUN9xOIAVIlHlQGAAy+89FE/cASspVL8PkRdbZ6SS6rvKrvvjQqVSsk4hCrJ+cDBb37Xru1DlDetwjfvZ7JutI+aira2Ni80z8B3nj9YNUeX4/tP4vMz0FODuV00iqgN8r01PRTiAFZKy6x6jwOOtOyj27hWRDb7qehHZUCyXb7AOon32trefCqDduiNKBNhy9rp1DesOomYrFYsnwvffZd0RR47qBX212oPWHc0kIrzeODhtdHRssXpxAe7gv5c5UH0OgA9YZ5CN9YOD2cbY2BUAFlq3xIrjfClXrbbyuNNTAHS08OfHmgJ/6Pe8MeuONFHu6h6oTZUDWDQnHMBKiDbf/2k9k3kAPMPZQpuKfKtULBb6Pe8h6xiig1HAKY+NfQPAP1i3pI0CnxoYGrrZumMuHGCpdUPE+Y7v320dEVUKDFo3RJmIbLRuSAoFOFAcIFuvcwArPFyoornaCcBToARVT9vavLh9X0wZ/o5PweMHKanE9y8DsMi6I4Z+4Var/20d0UzDudxJdeBx1h0RNXrGpk27rF7cB27n+aBz4paKxRP7Pe826xAKX9euXR8EcIZ1R8yMq8hnW/kC3G0omKjyuLcQlV338crTUILcmx8e5mkoNCccwEqIvlrtwZLrXi3Ay61bUkl1uQCfBHCudQrRVApIOZ//IoCXWbek0G1wnI9bR8yViizhYlage/o9b9I6IrJEBnlm/PSUA1hNsf+GyDHWHRF2V1+tdod1RFr4QB//btJcCPD1QqXyVusOmh3+jh8UB7Aoccque5YCz7XuiKE9fjb7BuuIZqtnsyt5XXtwImJ6Y1xEbue/mzkRUX0RgIutQyhcXqHwdKi+07ojhq7o97y7WvwaHMAKxmuNcPH9GIzvR5ozxzqAmscB/sO6IdVUzym77lnWGURTlQuFz0LkddYdqSTyppjujLfEOiDSRP5snRBVpWLxeKgut+6IsL8UPW/EOiIJ6tksd78Kxt2vQiSqeesGihcFzqvk80+27qDZEYC/41NwByxKmo2rV3f6wBesO+JIgYsSuYuj76+yTogqNb4R6fg+HzSZK9WXWidQuErF4tFQ/Q/wHvBcNfxstvXDilxDCGT9dyZtfL4fAwnfjzQP/OObIG6l8hsFeAFiRxT4xuaBgeOsQ4geVnbdj0H1jdYdKfW9Yrn8feuI+XA4gBVIVHkG/XQajTXWCRG3QQDfOiIhOIAVQDiAFS4RPi1Ic9XhO85HrCNo1vg7/lhaz2Zr1hFEzdSxZ8+7BTjJuiOGRnd3dydyVx0RWWndEFXq+6Y7YE20t99u+foxlSsViyusIygcCjji+1cCeLx1S9wI8N2Qhop5fREgA/AIwhAJ17QCqfHOnxRPHMBKkP039L5t3ZFyx2Xq9atKxWKbdQhRyXXfq8CF1h0pdX8jmz3POmK+lANYgVRkp3VDVAnAnSADqOpvrBsSQ5UDWAF8399s3ZAW23t6OgCcYt1BMaT64lKxWLDOoGDDudwJAI6y7ogU1VvO2LRpl3UGUbNU8vmlEOGxsPPgq75xzYYN49YdzVYqFtsUcK07oqrN9013gli1efNfADxg2RBLvv9K6wQKR8V13w+uz81HQ0Va/pBM2XUfD+CYVr9OjO3MV6u3WkekDAewAnD3Z5oPDmAljANcad1A+GvH9z9lHUHpVnbddwjwIeuO1FJ9y8qhobutM+ajks8fDt5kmgkHsA7iqrVrMxDhAk8A9f1fWzckgQIOVDm0MD1tdHR41hFpsaur63QAfPiC5sNxfP/T1hEUrJ7N8gb8VHwCmBLGF7kUQId1Rwx9b6Ba/al1RIusALDQOiKi/tJXq0XhBI5t1gFxI8CrS8Ui39cJ5xUKz1HgPdYdcaTAt4vl8g2tfh1fldcXAQSoCqDWHWkxnMstArDMuiPC9gK40TqC4ocDWAlTqFR+D6Bs3ZF2Clzg5fM8W51Cp4B4+fxnFLjIuiWtBLimUK1eYd0xX77jcPerGYgqn/g/iJO2bz8DHN4LcudArcZF4iYY7us7FSKLrTsibMf+p8IpHDnrgAj6NYAfWUfEgQKDXqHwd9YdFIi/41MowCeAKTHKrvsiAPwcnruHHNXk7hrm+6usEyKsYh2w3++tA2LocMf3X2QdQa1TyeeXQvVK8L7vfEzCccJ6mJ3XF8F41HmIJtvaTgc/M4KM9HvepHUExQ9/qRJIgdje+E8Uka+UXZdbN1JoFHDKhcKXIfJm65YUezDTaLw+zk9piOqTrRtigF+6D8JxnL+3bog4Hj/YJA0RHj8YQIEh64Y0EdW8dUPUqOrVfjb7JgB165ZYUP2Ecm0msoTHMRwgo8oBLEqEa5cvX6wAd7CfD5EPutXqH6wzWkVEVlo3RFZEdkFU1ZbvUpNECpxr3UCtcf2qVV0Nke8DONy6JZZUv9nveTvCeCkR4fVFAI3I35m0EFW+H4Pw2pfmiYt8CZTZN+X+kHUHYaECP6z29T3BOoSSb/3gYLbiuv8B1X+xbkk1kff01Wq3WGccCl/1BOuGqFOR2A7YtdhzrQMiTZUDWM3iOBzACiAiHMAKkXI44wAZoDowNHSzAFdZt8RErpzPv9w6gg5OOWR5MFyEpkTo7Oz8EACu2c2RAjd17dp1iXVHS6lyB6zpReJvQIY7YM1Xoey6z7SOoOZaPziYbZuY+K4AvdYtMbW30db2kdBeTYTXFwFUJBJ/Z9KCDxUG4+7PNF8cwEogt1rdqcB3rDsIAHBiw3F+WioWu61DKLlKxeLCrrGx7ynwEuuWlLt+x5Ill1lHHCpxHC5Az8T3OYA1xVAudzpUT7fuiDLNZDiA1SyqfCI9gHIAKzQKCDiANZX/4J49WwBART6BGO8KGiqRD21cvbrTOoMea6S39zAAPJ77sXbmq9VbrSOIDtVQLnc6RLgTzDyIyDlLR0f3Wne0yv413OXWHVEVlRvjwh2w5k1F3mXdQM3VPTZ2KXic7rwJ8OWVQ0O3h/Faw7ncIqj2hPFaMTXZPTY2Yh2RJnyoMJjDHdlonjiAlVAi8kXrBnpETnz/eyO9ve3WIZQ8159++uMc318P7jxjbSLj+689e926hnXIoVLugDUbvJk8hZPNvti6IeJu7Pe826wjkmB7T08HgJx1R4TVAZStI9Kims8/CTziYaqbn7Jt224AKJbLNYj81DooJp64YHz8AusIeqy97e0rwHWzqWpxPm6dCNg3QO1kMp8H0GbdEjcC/GexXE70gyWO7w+An/3T2QvgRusIALj/iCNuxr4emivVNWXXXW2dQc3hFQpvVuAc644Ye6CezX48rBebbGs7HUAmrNeLoRuTPOQdNbrv+w7XWKenwiMIaZ54MZFQxXLZg+om6w56xDPGOzq+sf8peaKmKBWLp2Tb2q5TgDuBWBP5UH54OBFPZwiPYKA5UkDg+y+y7ogyAX5i3ZAUOxct6gPAofbp/b7f83gUeXj4pOAUCjzm6UAVuciqJW4UeOemlSuPsu6g/+MDPI5hCh7BQElQcd1XA3iadUfsqO4G8DbrjFZT7rYbZGu/501aRwDAmg0b6gC2WXfElQIfsm6gQ1fJ558H1U9Zd8SZAhevHBq6O6zX43FvM+CwS6iq+fwSAIdZd0TYrW61utM6guKJA1gJpgB3wYoS1ZeWC4XPcgiLmqHsuk8T398owEnWLWknwP/uWLIkSTcXOYA1AxFZbN0QJeVCYRVETrbuiDLf9zmA1SROJjNg3RBlAmy2bkiThggHsKZwpgxn9HvetVC91qonZg7PTky8xzqC/o9wyPIAzpQhS6K42djbe6QCoe10kSQKvLdQqfzRuqPlRFZZJ0TV1EH7CChZB8TYM71CgUfWxdhQPj/oi3wHvMc7bwrcAcf5dJivKaq8vgigPO4tVMo1rUB8+IgOBf84J9hEZ+dVAP5i3UGPovpGDmHRoSq77ssU+AWAI6xbCLsyjcbLknD0ILB/JyMOYM3I53FTjyGqL7duiLgxZLMcPmgSUeUAVgAVGbJuSBM+vXogFTlggUqBJA2qt5bIOcO5HB+wiA4uSE9xsN9xojjpaGv7OIBjrDtiR2QrMpnLrTNCwuuNaUwdtDcnwodPDoXqxVetXcuj0GJoqK9vpQP8EECndUucOcC7w95BXHl9EShyf2cSTrmmFYjvRzoUHMBKsDOvu24PRL5p3UFTcAiL5qlULLZ5+fxnFbgSQId1DwECnN9Xq91i3dEs1Xy+G8AC646oEw4/PuL6Vau6FHiZdUeUicgvo3JMQxIob4gE8hsNDmCFi4unUzQymQOeWC1Wqz8FUDPIiaOOyUzmo9YRBOi+9bIV1h0RU9/V1ZWIY9cpnSr5/ABEXmvdEUMqqufY8oY1AAAgAElEQVSl4Zqm7LpPAnC8dUdURW1nEj58cshWLNmx4zXWETQ3Q7nc6RnH+Rm4O/+hKruVyrfCfMH91xe5MF8zhjjwEi6uaQWI2vceihcOYCVctl6/BMCEdQdNofrGsut+kUNYNFtl1z1GfP/nEHmTdQs94upCpXKldUQzNTKZo6wbYoI7YO2X3bv3VeBZ8cFUf2ydkBTXLl++GMAp1h0RNi7Z7FbriLS4ftWqLohwp6LH+svKoaHbp/6HAqiqfsIiKI4EeFHZdfutO9LOKxaXAVhk3REpIjeu2bBh3DqDaD4UcFTk8+Ba+Nyp/nuhUvmtdUYYfNWV1g0RpioStYH6LQD2WEfEmah+fDiXO9a6g2anVCwucTKZXypwpHVL3AnwdgH8MF9zuK+vB1xDnZYCdxQqlXutO9JERbgDVoBsvc4BLJo3XnQmXF+tdocC/8+6gw7q9Z7rXs6tfmkmlXz+TAWqAJ5u3UL7KHBHW72euCdnM40GL+Bnh0dWYN+RleI451h3RJyfaTR+bh2RFAsWLOgHr1+CVNKwM0FUtE1O9oEPU0w17dOquw8//Cqo3hxmTIyJilxsHZF2osqn06cQ1ajdeCeatYrrnqsAh2vm7v6s77/TOiIsjsgq64bIUr2l3/PGrDMebf+1T8W6I84UOLLuOJ+27qCZeYVCj/j+r8Fd+g6ZAv9dqFR+Hfbr+o7D64sAwqPOQ7Vp5cqjBDjBuiPCduVqtT9YR1B88QZGCmij8UkAat1BBxLgX5eMjl5dKhYXWrdQNHmFwnm+yHoAj7duoUf4IvKK3JYt91uHNJvvONwBa3ZO2Lh6dad1hLVSPv9MqC637oi4zX212j3WEUkhmQyPHwwgAI/gCBe3ap9KddoF0zUbNtRV5FNh5sSa6pqhfP7vrTNSjr/jUyhvilBMXX/66Y9T4EPWHXEkwLvSdD3DIb0AUT2GR3WzdULsibzUKxT+1jqDpld23dOg+lsAT7JuSYA9bY3Gmy1eWFW521AwXmuEKFuv83o32LBwroIOAQewUmCgVtsKkZ9ad9C0niuNxm/KrssdVegRpWLxaK9Q+D5ULwPQbt1DjyLymWK5/BvrjJbwfQ5gzY6zYHx8mXWENcdxLrRuiDpV/Z51Q5KoKgewAqgIB7BCJKpcrJpCZ1gw3d3d/U0Ad4eUE3uOyEXcLdmO8AbJwfCmCMVSW3v7p8Fj5OfDG+3p+ap1RFj2/80tWHdE1Uzf86yIyCbrhgQQqH6jVCwebR1CBxrq63MV2AA+nN0UAnysr1a7xejluYYQLJJ/ZxKM78dgfD/SIeEAVkqI6ietGyiAyCpVvX4ol+NOIoSy6z5DfL8K1edbt9AUIlt3dXW91zqjVVSEA1izpCKp/rwuu+4zoLrGuiPi1BFZZx2RJMIn0gM5vs+bDyFSwLVuiBpnhp0R1mzYMK7AJWH1JMCKntHRV1hHpJUCHMCaYnJiIpq7nxAF8AqFv4bqS6w7YshXxzn37HXrGtYhYVm6ffsKAIusO6LKASL5N2BicnI9uENFMzxeVFMzcBkXZdftdxznGgB8cL85to91d9vtyizCNYQAju/zSNkwqfL9GEAi+r2H4oMDWClRqFR+C1XelIkykZOdTObaUl/fs6xTyMb2np4OL5//jALXAHiCdQ9NobpbRdau2bBh3DqlhfhU8Cxpyo/e4xEes6C6uVCp3GqdkRTDudyxAE607oiwnflqddQ6Ii3WDw5mAZxm3RExEx0TEzfM9F+qt7dfDmAshJ5E8IEP8tjj8O3fAYK7DDzW3Wds3fon6wiiuRjp7W2H6pcAiHVL3Ajw5X7PS9U6su84q6wbosx3nEjeiNz/t2mrdUciqD6/5LrnWGfQPmXXfYYC6wHwYdkm8VXPtVrX37Ry5VHg/Z4gD+ar1R3WESmTsw6IOO6ARYeEA1hp4jifsE6gGR0tjvPTsuu+R7lAlCpeoZDbtXjxZoi8Gfx3H02O89p+z7vROqOVHIA3+GZJgNQehTaUz/89gDOtO6JORK6ybkiSScdJ7e/cLJWET36HpntsbBn4N3OqG3pHRiZm+i+dsWnTLgEuDyMoCQQ4oX3PnjdZd6SN4/vc/epAXICm2NnT3v4WcGB6Pv4y2daW2J2/p6XK3Xant7PoebdbR0xL9VfWCUkhwOeG8vm/su5IOy+f/xcFfgbgMOuWxFC9aqBavcbq5bP1Oo97C1YTwLeOSIuR3t52AKdad0RYfXzBghHrCIo3DmClSKFc/oFy27w4yCjw4XI+/8PaihVHWMdQa21cvbqz7Lofh2oJnDqPLpFLiuVy4ocpVHWBdUOMPG3/Diipsn5wMCsiH7XuiAH1Hee/rCOSxBHhDZEAAgxZN6SJr8rhjCl0DsMZE5OTlwDY08KcRBGRd+zfkYlC4gO8QTKVKgewKFY2Dww8UYB3W3fEkupbV23e/BfrjLApwB2wpiNSifLDHgr82rohQdodkf+q9vVxpx4DV61dmym57qch8hUAbdY9iaG6O6P6FuMKXl8EmMt6Ah26iba20wC0W3dE2E1nXncd16zokHAAK0UEUBF5n3UHzZLIsyczmZJXKBStU6g1yq77jI7x8ZoC7wQvqqJso4q8zToiDCrCAazZ6zps587ULdAu3rnzTQJw8GBm1/d73m3WEUmiKd51bjZUhANYIRIunh5ARGb9oM8ZW7f+CSLfbGVPwnQ7vp++nUgM8Xf8QLwpQnGTaTQuBXcOmTMB/rdQrV5h3RG2a5cvXyzAKdYdkeX7kX6gu3Ny8rcAJq07EuS4huP8YKS3l5+hIbp2+fLFS7Zv/4EA1oNCiaPAO/PDw3eaNvAhrkAOrzVC1eD1biDhRjbUBBzASpliufwjATZbd9AsiZwM1eu8QuEDpWKRAzoJsWnlyqPKrvvvClwDoMe6hwLdk/H9s/s9LxULOcIBrDlxgGdaN4RpaGDgZBH5oHVHLPD4wVbotw6Ismy9zgGsMIlwsepAc1owzdbrnwJQb1FL4ijwr6VicYl1R4rwBskUWe6ARTHiFQp/C9XnW3fEUENUz4vyTket0rlo0QCAjHVHVEV9CLd3ZOQBqG6y7kiY/r3t7VfvP6aKWqzsuk/qXLjwWog827olgX5XrFa/ZB3BBzyC6Rwe6KJDx4erg6lIpL/3UDxwACuFfD49GzdtUH2/+P71Q7nc6dYxNH/rBwezJdc9Jzs5eaMCrwAg1k0UqCHAS6yfkAmTqnZYN8SKyN9ZJ4RFAXHq9S8DWGjdEgOT2Xr9P60jkmQ4lzsJwDHWHRF2V1+tdod1RJpwsepA9Wx2TgtUfbXaLVD9f63qSaB28X0eARyC7T09HeAuKFON33/EEdusI4hmY+Pq1Z3w/cutO2JJ9TK3Wk3lDVBV5XHnAZwY3BhXkV9aNySNAn8z3t5+pfIeYkuVXfe5CngActYtCbTHUX2tAL5lxP5BxlMtGyLOz9brW6wjUsVxOBAYjANYdMj45SmF+oeHfwngf6w7aM4KTiZTKrvuO65au5ZPZcVM2XXP6hobGxbgcgBHW/fQLKi+r1Cp/No6I0wCcABrblZV+/qWWUeEoeK6r0bKdvyaN5Gf9NVq91hnJEk9m+Xxg8G4+1WINg8MHKfA46w7Iub2VZs3/2Wu/yPNZC5GCnfZOARnD/X18QZxi+1ctOg08Hj4qbau2bCBO9ZRLCwYH78QIidbd8TQ3ZrJfMA6woqIrLJuiLCJjomJG6wjZuQ4P7BOSKgXlvP5K9YPDmatQ5Jme09PR9l1L1HgBwCOsu5JIlV9n1utbrfumGhrOw0Ad5Objsj2vlrtQeuMNBFVDmAFmJyYiPzgOUUfB7BSyld9n3UDzUuHAhctGR0tl133qdYxNLNSsbjCKxR+ocBPAZxm3UOzpPrjQrX6ceuMsIlIw7ohZsR3nFdZR7RaqVgsKHCZdUdciOo3rRsSiANYAYQDWKHKNBrc/WqqeR5N1u95WwD8uMk1SSaO41xsHZF0TibD3/Epon70FNHDvEKhR4G3WXfEkQBv6fe8MesOM9wBa1oK/L53ZGTCumMm+79Xmg9aJJLIPy8eG/tOqVjkgHqTVPv6lu3q6rpOgQvAEzJaZejmpUs/ax0BAA0ePxjM93mtEaJSsXiiAkdad0TY3Wds3fon6wiKPw5gpdRAtbpBgGusO2jecgpsKLnufw7ncidYx9CBhnO5k0qu+zXx/QpUn2XdQ3Oyo63ReLmkcEcGX5VPts+RAq+/dvnyxdYdrVJ23WPE968G0GndEgcC/Ml3nJ9ZdySOKgewAqgIB7BCxCcFD2reC6aO6kXNDEmBp3mFwrOtIxKOv+NTOBzAopgQ1UsALLDuiKHfuZVKao8F3r+u+njrjqiSGBw/+AjV71snJJUA/ySq3x/p7T3MuiXuyq778objeFB1rVsSbMJvNF599rp1kXjQWHh9EUiB+PydSQCuac2I70dqCg5gpZiKvBVAJL6E0LyIAC+uZzI3lvL5C9cPDnKRKQIq+fxSr1D4Zj2T2SbAawDwuMh4GYPIc3JbttxvHWJBAA5gzd0RnYsWnWMd0QrrBwezKvJdAE+ybomRb/V73qR1RJLsP3a5aN0RYbp3714OYIXI5+LpAQ7lxpxbrW4E8Lsm5iSeql7EI+lbhwvSB8UBLIq8Uj6/VoG/t+6IoQmI/GsaH0B7WCOT4fGDwWLzN0AzmautGxJN9R/G29uv3Tww8ETrlDgqu+6TPNf9oQJXAOAgWyupvmegVttqnfEIx+EOuwG42264VJXvxwB8P1KzcAArxYrlcg2qX7fuoEO2SEQ+1jU2NuoVCudt7+npsA5Ko7LrnuYVCt/yRW6A6isBcFvm+KlD5IXFcvkG6xAz3AFrflQvLBWLR1tnNFv32NilUF1j3REnju/z+MEmO2nbtlPBxckgO84cGbnPOiJNBOBi1RQyzyMIH/nfA9wFaw4E6D15+/bEH4FsQQFRDllOpaJas44gCnLt8uWLIfIZ6444UuCzqV4DAaAiHMAK4Pt+bHaCKHreZgB3WnckXF+mXt/kFQpnWIfExfrBwWwpn3+rAiMAnmPdk3gi6wvV6qetMx6ND3gEazvE9QSaG+7IFoy7P1OzcAAr5bK+/14Au6w7qCmeANXLdi1evL3kuueM9Pa2WwelQdl1n+q57n8psAWqLwV3vIotAd5SLJd/Yd1hSUS4K+L8HO74/setI5rJKxQ+qUAid/ZqoY354eER64ikcbJZHj8YQAHufhWijatXdwJYZt0RMQ/kq9Udh/ID3Erl5zx2YG5E5IOlYnGhdUfSVFz3RABHWHdEzK1utbrTOoIoyMKFC98vwAnWHTF0e+fExEesI8yprrROiLKORiM2NyL37+TGYwhb73io/m7/UJFYx0RZ2XVXd42NeSLySQCLrHtSYGcjk3mFAL51yMM2Dww8UYEjrTsi7N788DAHZ8PFAawAGqejlynSOICVcn212j0Q+ah1BzXVEwW4fLy9fbtXKJx37fLli62DkmY4l1vkFQqv81x3WIHfAngB+HkaawJ8sVCpXGbdYU2BceuGuFLgNUP5fOyPvFBAyq77Kai+1boldkQutU5IIlHlAFYAEeEAVog69+w5HRy2n6p2qAvcAqgDfKJZQSnxeFF9s3VEAnExeiouQFPEVfv6ehW4wLojlkTe2Dsy8oB1hiUedz6jW3NbttxvHTEX6jjftW5IiTYR+WTZdX8ynMsdax0TNaVi8WjPdb+kwLUActY9aSHAG1YODd1u3fFomUaDO2gHi82QbxLsv1e8xLojwvbsWLLkJusISgYODBC6du26BKo3W3dQ050I1cs6Fy68o+y6l1T7+vi0/iHyCoWekut+up7J3AHVL4MXUEnxq7Hubi7YAhCAx1jNnzgi3yy77pOsQ+arVCy2ea777wr8m3VLDN2pIldbRySRAhzACqAcwAqVz+MHDyBNWjAd7elZB2C0GT8rNVTfXnbdY6wzksTnANbB8KYIRZYC4jvO5wG0WbfEjsgvi+Vy6ncKWrJjRy943Pm04rhDadHz/hfAduuOFDmrnsn8vuy6L+duWI88tP1u8f0dAF4P3n8Nj8i3C5XKd6wzpuLxgzPgwx6h6ujszIGf1UG2nr1uHU+IoabgFwDC0tHRvSLydusOapkuBS5oOM6Nnuv+zCsUnr3/CS+ahbLrHlPK599Qdt1roXqTAG8BcLh1FzWJyDZHde2aDRvq1ilR4KtyAOvQHKvAD69ftarLOmSuNg8MHCe+/2sBXm7dEksiX+z3vEnrjKTZ3tPTAQ47B6kDKFtHpAwXT6dQkaYMZ5y9bl0DIp9qxs9KkS4F3mcdkSTCIcuD4QAWRVY5n3+FAoPWHTG0N9NonG8dEQm+v8o6IcokhjfGBVCIXGHdkTJHKXBF2XV/6RUKPdYxFjauXt1Zdt3z65nMdqh+BEDs1gVj7g+O759nHXEwfMBjRrzWCJHjOLzeDRLD7z0UXRzAIgBAoVL5HoBfW3dQSwmAv4Pqj3pGR+8sue6lZdddzadTDjTS23uYVyj8c9l1f6LAH0XkCwr8FfjPKlH27/b0bLda3WndEhWOCAewDl2ubWLiF5V8PjaDmmXXfUamXvcA/LV1S0yNi+pXrCOSaOeiRX0A2q07Iuz3/Z73kHVEynDx9EBNWzDd1dV1BYC7mvXzUuL1ab3R1SL8HZ/Cz2R4U4QiqbZixREQ4fG18yFyUX54mMerABCRldYNERfLvwHZev0KANzBInzPhOrI/nsOqdil9drlyxd7hcLbF4yP36LApQCOt25KoQnf918Y1fV9PuARzK/XOfASLl7vBovl9x6Kpqx1AEWHo3qOL1IDsMC6hVpLgccJcL4C53uue4sn8h1RvapQqaT2D8xwLndC3XHOAnDWuMjfQnWhWkdRK000VF8wUKnwqJtH8VXvE+GcYROc4TvOb0rF4vP7Pe8265jpDOdyi+qZzEUKnAsOmM6f6ncK1eq91hlJ5GQyK6H8azwdATZbN6SJAlIW4Y5sj9XI1utbmvXD1mzYMO7l85+FyMXN+pkp0CbAxwCcbR0Sd9evWtWFiYmTrTsiZgKTk0vKrst/LgmQaTR29NVqt1h3NMtENvsxAY617oihHbu6ui6yjogKBbgDVoBsTG+M99Vqd3iu+ysAf2vdkkLtApyvqq/08vlP19vbP79q8+a/WEc1WyWfX+o7zrlQfSVUu7lqYUdV3z4wPBzJtZFrly9fDIDfo6c3/sCRR95oHZEmotrHz6vpNWuHdyKAA1j0KG61ur3suh9V4MPWLRQeAU6C6rsUeJfnuncq8HOo/qK90fhVbsuW+637WmX94GC2e2zsr3zgLAHOqvOIozTxBXjlQLW6wTokahyR+/glvElUXVEtDeXzLx2oVq+xznk0BaTiuv9cBz4O4AnWPTGncJzPWUcklaoOcDJweioyZN2QJl6xeLL4Po+SeDSR0b5a7cFm/sg9e/Z8qXPhwneBR37Pmqr+U6lYXNXveZusW+IsW6/nwIH0qdodkV/y+iAZGpnMKwAkYgDLKxSKUP0X645YEnnTmg0bxq0zomA4l1tUB0617oiwXbla7Q/WEfMlwL8rB7DsiCwG8IHs5OTbSq77jbZG47NxHwJePzi4oGvXrudC9VU+8Cyo8nQhe1cXq9VLrSOms6izc4XPU6iC/H7Nhg1164i0uGrt2oyOjq6w7ogwrWezNesISg4OYNFjdExMXDze3v5iAKdZt5CJJwjwGoi8ZjKbbXiuuwki14jqpsm2ts1xfmJl08qVR2UmJs5wRFYpsBo7d65SkcVcYU8fAd5UqFS+Y90RRfVs9o5Mndc9TXSMI/ILz3W/uXdi4m1njoyYHvGogFNx3X/0gHdzC+ym+VGxXObFWYsIMGDdEGV+o8EBrBCJKrdqn8r3m/504FO2bdvt5fNfgMi7m/2zE0zE9z8J4KnWIXHG33FKgUQ80a2AU/b9L0AkY90SOyI/KJbLP7bOiIpGJtMP3hsJUhUgtjO4Y93dP+geG7tPgSOtW1JukQDn1zOZN3iFws/V96/ofuCBHy4dHd1rHTYbV61dm+kZHX2KAi/G2NgLwYdEomSHOs6ro/w51QDyvPcUKJa7LMbVkh07lgHotO6IsJvP2LRpl3UEJQcvMugxekdGJkrF4uvF938HPv2ZdhkAZ0L1TAWQnZyE57qjAmz2VTcrUJqcnLzBeqDgYKp9fU/wHecUFTlVVQdEZBUmJ5dD5P++kfOYtXRS/WihWr3MOiOqBoaG7iy77gSAduuWBBEAr+5ob/9HL5//nGYyn+v3vLEwAzatXHlUtl5/eRl4PVSX89OveXzf/6h1Q1LtPwpquXVHhO2RbHardUSaiGo+siu7RrRFC6ZZ37+0nsm8GcDCVvz8hPrrsus+t1Cp/NA6JMY4gEVJNtExMXGDdUQzlAuFc6DKY+Pmbk+2Xn+LdUSUqMgqHnc+PYn5jfH9R1t/DSJvt24hAEAGqv8gIv+wa/Hi+z3XvUqA/x7r7l4ftV35rl2+fPGizs6n+8DzMDr6HAWOtm6iA+yFyAvDXl+dK+H1RSBNyMMBccHjB2cU6+89FD0cwKID9HvetV6h8DVu500H0aNAj4i8RAB0tLfDc90/A7gJqttU5CYH2C6qt022td394KJF97biImqkt/ewhzKZJzjZ7LEAjlfVkwGcKvu2Dl/eAPYdD6O6b4qQCyoEAKpfKVar77HOiDIBfA+4FcBS65YEOhwiHxDff5uXz1+lmcw3ip63UQC/FS9WKhaPlkbj2SryfJmc/DsAHa14nVQT+eXA8PBm64ykyo6PF+E43Kp9etV+z5u0jkgT5eLpAVq1YNpXq93jue43AJzXip+fVApctH5w8Kc8xmGeVLk7KCXZDb0jIxPWEYdqOJc7tq76YeuOOFLVD8f9+K+m4yDfTGJ/Y7zR1vb5TL3+ZgBt1i30GEcAeL0Cr+8aG3uw5Lq/EpFrHN//3+1Ll245e926RpgxlXz+8Dow4ABPg8jTAQz4vG8abarnFysVzzpjFriGEMDhwEuofO7IFogDgdRs/CJBB9U2OfmOyWz2OQCOs26hyDsawNEQOVOwb89XFUGmXkfX2Bi8fH63itzlAPeqyL3w/QkAOwFARHb7QF1ExkV1D4BFPtDuAJ2qukBEOiCyUIE2UT1GVY+HyHHjwEIHeGSwil8caBau3rF06RtQ5ff6GYncAlUOYLXOIoi8Snz/VWXXvbcMXAPgN77jVDrHx7fO58bIxtWrO9seeugUJ5Pphe+fAZGnwPdPh0iGn4+tI6rc/aqFJJMZ4AD19ATg8YPh4+LpFG2qLVugEuBTCrwevGE2F6d27dr1agBfsQ6Jm6vWrs1gdPR06w6iVknKDYXJTOaTsu/GPc3N9u4HHviMdUTUKLCS18vT8x0n9gtoK4eGbvdc93sAXmTdQtNaJMDzoPo8XwRLRkcf8Fx3M0TKonqjqN6QaTRuyG3Zcv+hvtBIb+9hE21tPSrS46suFSAPkaIPLOGTXzGi+oVitfpV64yZ7L++WGHdEWEqqjXriDThjmzBnIRcL1F0cACLDiq3Zcv9XqHwOqjyCAM6NCKLBViswDKoPuboPwUe2aHq4VusDw9xPXJc4P6brw//Z0RzJcCGse7ul4b9BFVsqfKp2PAco8BLALxEfB/j7e2TJde9xQH+qMDtum9Y9SERGVfVcQCHA4AAh0P1WIg8DsDjMT5+IhzHmfoZSy31u0Kl8jvriCRT1QG+m6enIhzAClFtxYojJoEnWXdEzL354eE7W/XDC5XKrSXX/Y4AL2/VaySS6geGc7lv99VqD1qnxMmSHTuWAei07iBqFRGJ/SBFqVh8ivj+y6w7YknkgqWjo3utM6KkVCweL75/gnVHhNV3L178e+uIZlDH+Zz4Pgew4uMwAE+H6tMffsjbz2bhue4uAH8EcA+Au6A6BsfZpaoNAA86wASANn/f/x6ieoSKLHaA433gGAGOGQeOffhFhGtnsSTABn/fUfWRd/LNNy8FsNC6I6oU+INbre607kgZDmAFSMLgOUULB7BoWsVy+Udl1/2aAq+1biEimheRykRb2/NacRRmYols464zZtoEWKbAMuBRu/s9fJzqo3GxyJYIjzNtMQFWWjdEmV+vcwArRHszmT4+FX2Alj8dmPX9ixuO8zJww9u5OH4yk3kLAB7RNQeimue3X0q4WD/RvX5wMCtjY18A/x7Mx3eL5fLPrSOiRlTPsG6IuBuSso7W73mbPNe9DsBq6xY6JF37/+8UAPvWxB61VvboB7sf/v8//JA3/3Akxh8AnN3veZPWIbMhqhx2CSAisf5uGjfXn3764wAcb90RYff3e95t1hGULFxHpkAPPfTQWxTgbihEFEfbJycmzjpj06Zd1iFxIqpl6waiiPthsVz+H+uIJNu/MHCidUeE7eyv1W6yjkgTbtV+IAnhZn5+eHhEAe7IPEei+rbhXO7Ymf+b9DCfv+OUcPVsNtY3ubp27nwzgJx1R+yo7s74/r9ZZ0SRqPJhj2CJ2gVCVT9r3UBEh+RBAZ5fqFTutQ6ZLVHNWzdEXKy/m8ZNNpPh9W6AMNa3KH04gEWBnrJt224ReQUA37qFiGgOdmQbjaefsXXrn6xD4maivb0CfuYTTacOkXdaRyRdW3v7gHVDxJXk/x7ypRCI43DxdAoN6TgrEbkojNdJFJHF9Wz2/dYZccIhS0oyBe5YtXnzX6w75ms4lzsBIu+z7ogjEflAK48LjjMVWWXdEGWasBuRNy9dejVEtll3ENG8qACvLFQqsfpcUl5fBFLfT9Sgb9RJJsM1rQCqyvcjNR0HsGhGxXL5fyDyaesOIqJZutVRfWZfrXaHdUgc7d8xbId1B1FEfb1YLt9gHZF0fCJ9BiKbrRPSRvn06gH8ej2UBapiuXw9gN+G8VqJovo6r1A41TojLgRwrRuIWkVifkOhnr3l4ucAACAASURBVMl8DsBh1h1xo8CI7ziXWXdEkQIOVIvWHVHmJGwHrLPXrWvA93k8M1EcibyzUKn8l3XGPHANIUAmYX9noo5rWsGU70dqAQ5g0ax07dr1XgA16w4iohnclm001rjV6h+sQ2LOsw4giqAH1XE+aB2RBgpwB6wA6vtD1g1pUioW2wQ4zbojYvZKW1t4uwhwF6z5yEKVNxpnYTiXO1aBx1l3ELVQrHaMeLRSX9+zALzAuiOGVFXP6/e8SeuQKCrlcqcB6LLuiDLfcWL7uTGdQrX6HYhste4gotkT4GvFcvli6465KrvuMQCOt+6IsJ35avVW64g04Y7PwTIxvl6i6OIAFs3K0tHRvRnffwmAB61biIim8QcBntpXq91iHRJ3AvDmPtEUCnyi3/Pusu5IiX7rgChr8/2SdUOaiOqpANqtOyJmJMybusVy+ecQqYT1egnyj2XXXW0dEXWTInwamJLNcWL5MOX2np4OyWQute6IIwGuHKhWN1h3RFUmk+HxgwEUuKPf8/5s3dFsAvgAPmLdQUSz9rOx7u5zrCPmo8HdhmZSE0CtI9Ji4+rVnQCWWXdE2ORhDzzA0y6o6TiARbOWHx4eEeBfrDuIiA7idj+bfUahUuHTE83xa+sAoogZ3d3d/UnriDQYGhg4GcDR1h0RdheP2A2XcPH0YCy2Z+cuWHMnCnxGAbEOiTLHcXj8ICWa4/uxHGDd1dV1IVSXW3fE0C7fcS60jogy5XHngeJ+bGmQQrm8Djzhgyj6RLaq47x4zYYNdeuU+XB4/GAwPlwVqs49e04HkLXuiLDfLx0d3WsdQcnDASyak0Kl8h0Fvm7dQUT0KLdlG42nDQwN3WwdkhRupVIDcI91B1FU+KpvWLNhw7h1Rxo4jQaPHwzGHQpD5nOr9gOoaug3rnYsWfI9ANvDft0EOMPL559nHRFxOesAohZ6MF+t7rCOmKtSsbgEqu+w7ogjVb2Qu/bOQIQ7YAVQkcQOYAngC8Ajmomi7XZR/dt+zxuzDpk3x+EaQgAxWE9IMxXh9W4wvh+pJTiARXM2sWDB+eCHEhFFw+1+NruGxw42lwCq3AWL6GHfHahWr7GOSAtR5QBWAB4RGz7hANYBFBgO+zXPXreuAVXuRDgPIvLx9YODfOJ1GhyypITbsv/YrVgR1UsALLDuiKHyzUuXftk6IspKxeJCAL3WHVHmGHzPC5NbqXwPqpusO4jooO5Vx3lWoVL5o3XIIeL1RQAVSfTfmahR7sgWSGx2eKcU4AAWzdmZ1123J+P7a6G627qFiNJLgVvUcdZw56vWEBEOnBCp7hbgLdYZaaIAB7ACqAgHsMLHxdPH0o5Gw2TBtOuBB64EcKfFa8fcKd1jY6+1joii9YODCwTgEWeUZLG7wVV23RdA9R+sO2LIh8i5Z69b17AOiTJRLYLH8ARK8g5YwL4HDuE4bwKg1i1E9Bi7IHJWv+fdaB1yKNYPDi6A6inWHRFW39XVNWIdkTJc0woWu+sligcOYNG85IeHb4Lj/It1BxGllMhWB3hKv+fF7jiFuMjW69eAC1KUdo5zYQKevIuNq9auzQAoWHdEmO7du5cDWCEazuVOAHC0dUfE3JbbsuV+ixdeOjq6V1U/Z/HacafA+0d6ew+z7vj/7N17mKRnXeD93/10z2RiJMNJxeUkYcIhQ2a6q2pmQkBJQLx0VcTVRN/FxWVRDnIQZVVWRdisorAIykEUWNbTghJxd1E8oL4ZNS9JZqbqqe5MBwaSAAECCRAyM8lMprvrud8/MiompCfJTNddh8/nH7i4LlJftKq6nvv5Pfc9ajYfPPikcCOeCVZix8KTsa/d/roc8cbSHWMp53e3e70rS2eMutw0jh9c222tXm/iH3I8/ln5w9IdwD87miKe1e71uqVDTtaZhw5tDdcX9yylj124e/cdpTOmRY5IEeEIwjU0VTVW10uMDwNY3G/tXu+Pc8SbSncAU+eKDSsr32YoYn1tX1z8bERcUboDCvrbVq/3W6UjpsljDhx4YkQYELhn152/tHRL6YhpslJVnhS8u6KLU3ccPfo7KcLn4L572B0bNryydMQI8hlnos3kPFY3FFLOr42IbymcMXZSxC15ZuYXSneMg6qqdpZuGGUpYmEcjy29P2aa5r9ExG2lO4BYiZQubtX135cOORVSzq4v1tI0E73L4qjZt2PHYyJic+mOUZUjPtvpdr9UuoPJZACLk3L9li0/myL+onQHMDX+anYweGapnRemTY7449INUMjBXFXPT3aBG6pqdtbxg2vIEXa/GrJkOONuUkTRBdOnHjhwOCLeXrJhbKX0n/fs2PGw0hmjpPEZZ7I1G1dWFktH3Fu9+flzIudXlO4YUz/r5tG9k3O2A9Yacs5Tc2N8bmHhc5Hzr5bugCnXRM7Pa/d6f1465BRyfbGGcdudddxVg4H34xpSSt6PrBsDWJyUiy+9dHDkyJEfjpT2l24BJt4f5ap61vbFxdtLh0yLZnb2/RExKN0Bw5Zz/slOt3tD6Y5pk3P2RPoaUkp7SjdMm5zSfOmGUZNTKn5jbmXDht8MOxbcH19fra6+pnTEKEk5+4wzya7burQ0Ft+VOSLllN4WERtKt4yhvfN1/T9LR4yD40PIjyrdMeKm6kbkmbfd9usRcW3pDphSOUW8pN3v/6/SIadSjnB9sYYqpbp0wzRJOc+VbhhlOWfvR9aNASxO2lMPHDicU3p2RHy5dAswoVL6rVZdP6fT7a6UTpkmO/fu/UJEXF66A4bsg51+//dKR0yjFGEHrDXklPaVbphC20oHjJqcUvHdVHbt2fPlFPGe0h3jKEX82N5t2x5fumMU5IgUKZ1bugPWyzjtMFDPz/9I5Hxh6Y4xNGia5oXTcmTcydqwsmL3qxOoCu90OmxnX3vtsRTx8tIdMIWaFPHjrbr+7dIhp1KOSBHh+mJtxdcTpokdn08gZ+9H1o0BLE6JTrd7XW6aiyLCcARwSqWIS9q93kssKhaS0ntLJ8Cw5IjP5qp6fumOaXTZBRdsCgtVa1mNiF7piGmysG3bGSliS+mOEXOo3e1eXzoiIqKpql8P1573x2xVVY7biYjFbdu+JSI2l+6A9VKNyQDWlbt2nZkjXl+6YxzliN/asbDgyf17qakqu+2ubTCYmVkqHTFsrbr+yxThASwYnibn/MJWXf+P0iGnWn9u7tER8cDSHSPsxlZdf7F0xDRJBrDWNJvzWFwvMZ4MYHHKdBYWLouUXla6A5gYg0jpZa26dlRKQUdvv/19EXGodAcMwWpU1f/T6Xa/VDpkGj3g8OHtEbGxdMcIu6bT7R4pHTFNBjMz28L18r+W82KKyKUzIiI63e4NKcKQ+P2R0vfvnZt7SumM0lZnZx3HwETLKY3FDYUNx469LiK+uXTHuEkRN83k/EulO8ZKznbAWtuBab3euGN5+acj4gulO2AK5Mj5RZ1+/92lQ9bDIML1xRrSlO2yWFo9N/fAiHh06Y4Rdtv2hQXHELNuLChzSrV7vd9JEb9WugMYczkfzjl/X7vXe1vplGn31AMHDkdKf1i6A9ZbivjFTrfryM1CUs6OH1xDjthbumEKeVLwrlIaqQXTnNLrww6p90uV0huOH5ExzXzGmWjjMIDVbbXakdKLSneMo5zzK+f7/VtLd4yL43/z2qU7Rtk03xg/f2nplkjpJ0p3wIRrIqUXtfv9d5UOWS92Gzqhkf9tOklyStvDNf9arnbiDuvJABan3Hxd/3yOmLgtRIGh+Vyembmg0+9/qHQId0o5vz1GZMcLWCd/OV/X/710xFTL2ZEga0gp7SndMG2yp1fvZtRuzLV7vY9GSh8s3TGmzq/n5/9d6YiScs4+40ysFHFLp9u9oXTHWnJEFTm/LSJmSreMoX9s9ft2gbwP6vn5J4ZjodY0DkOb66nd6/3vyPn9pTtgQg0ipR9r93rvLB2yrqrK9cUampwdmzxEOaX50g2jbNTWt5g8BrA45VJEPrx584siwmI4cJ+kiD2D2dlOp9vtlW7hX7Tq+pqI+MfSHbAecsQnVzds+A+eeimuUzpglDWDgR2whs/Tq3eRcl4s3XBXOSW7L99PTcTr9rXbG0p3lOIJdSbZOAxS1PPzL4iI80p3jKHVSOmlo3Ik8LjIHvY4oTwYTP2NyNmmeVlEfLF0B0yYO1LEv2v3ev+zdMh6yzm7vlhDbpqRW0+YaE2zrXTCKBuH6yXGmwEs1sWFu3evHtu06YcjZ0f5APdKjviTOzZtumDn3r1fKN3C3eU7n06GSXNotmm+d9eePV8uHTLNrty168yIeHzpjhF2NM3O7i8dMU3yndfJ55buGDGDo6efPnLvw063e1VE/L+lO8ZRinhcDAY/XrqjhHpu7oER8ejSHbBummakbyhctXPnQ3LEfyvdMZZSenO713MD8z7KKe0q3TDqVgeDkf7eGIbti4s3p4gfDQOOcGrkfDg3zb9t1fXEb9Swr93enCK+pXTHCLu9s7j4idIRU+XOIwi5Z1P/u4f1ZQCLdXP+FVcczTMz35Nt5QecQIp4S7uuf+j8K644WrqFr63d738gUjpQugNOoSZS+pG5hYWl0iHTbuPy8o5wXbKWutPtrpSOmCb7tm07OyLOKN0xSnLEx0b1d1pumteXbhhXKaXXHh+CnSr5zsXoVLoD1suor8PNrq6+MSIeWrpj3OSIz246duyS0h3jKBnAOpEbz9u//6bSEaOgVdd/GSm9sXQHTICvRFV9R2dh4bLSIcNQNY3ri7UtOnlgeC674ILZiNhaumOENbOrq1eXjmCyudHBuup0uwdnm+Z7csQnS7cAI2k55/wfW3X9k36Ej7YU0aScX1e6A06VnPPPtXu9PyvdQUQ4fnBNKWJf6YZpU83OelLw7kZ2t43OwsKHI6JbumNMfcPG5eVXlo4Ytsbxg0y4PIJHxv6TvXNzT4mcf7R0xziqIn5q69LSbaU7xs1Hnvzk0yPnJ5XuGHF2gfgqOaVfiJyvKt0BY+wzKeKp7V7vytIhQ+T6Yg3Z35mhesDhw0+MiNNKd4yslD6xfXHx9tIZTDYDWKy7uYWFz1URFxrCAu7iC5HSt3f6/d8rHcK9c3Dz5vdGzteX7oBT4D2dft9TrSMiR+wo3TDKckp7SzdMIYund1GN+IJpivi10g3jKke8cl+7/c2lO4Yp+Ywz2VYeePvt15SO+Fouu+CC2Sqlt4cdIu6zFPE3rbr+k9Id42jD0aOtiNhQumOUpRHfNW/YOt3uShXxwxFxa+kWGDc5op8izmvV9Uj+FlkvHvBY26ivJ0yalLP341pG/Lh2JoMBLIaiVdefbmZnnxYR15VuAUZAzpeniHa71/vH0incexfu3r0aVeWYH8ZbSh86tHnzC0tn8K/sLB0wymYGgz2lG6ZNynmudMOoaZqmLt2wlvm6/tOI+GjpjjF1RhoMXls6Ysh8xplkHz372muPlY74Wh5w8OBPhhuU98fyYDB4WemIcTXj+METyim5EXkX8/3+p1LEj5XugHGSIv5mdePGp7Xq+sbSLcOWXF+sKadk0HeIcs7zpRtG2agf185kMIDF0Ozcu/czKeIZEfGp0i1AMTlyfnOemXn6NF6MTYJNx479bvgeZ3xdmVO6+MLdu1dLh3CnK5/0pG+KiEeW7hhht25fWPhE6Yhpk90cvptm48aRPc4q4vhRyRG/XrpjbKX0n7qt1hNLZwzDZRdcMBsR55TugHUzoscP7tmx42Ep4tWlO8ZRjnjDjsXFA6U7xlX2sMcJNaurbkR+Da26/kCk9N9Ld8A4SBHvPrh5878976qrDpVuGbbj1xdbS3eMsGZ2dfXq0hHTJEVsK90wyhyJyTAYwGKoWnX96RRxQbh5D9Mn58M55x9q9/s/3el2V0rncP9sXVpaThE/X7oD7oePrm7Y8D2dbvdI6RD+xYaNGx0/uLZuisilI6bJvnb7oRHx8NIdoyRF3LRz794vlO44kdOWl/8gR3y2dMeYmo2cp+IYx6+/5ZYnRMSm0h2wXkZ1h4GZlZXfjIjNpTvG0A0bBoOp+H5eR3bAWtvtncVFD3zcg1av96qI+GDpDhhhOVL6xVZd//i0Puz4oK985fHh+uIe5Yhrty8u3l66Y8p4qHANG3I2gMW6M4DF0LXq+tNVzheGISyYJtfkmZmdnX7/0tIhnLz5uv6jFOFILMbJZ3JVfeeuPXu+XDqEfy3l7In0NfiuHb6qaRwdcBfjsj371qWl5SrizaU7xtizuq3Wt5aOWG9VVVmMZqJVI/hE9965uWdGSheX7hhLKb3UTcv7b2Hbtm+MiG8p3THiFlNEUzpiVKWIZtPy8nMiYiR3F4TCbk8RF7d7vV8pHVLSakquL9aQch6L9YRJ0d++/eER8Q2lO0bYF+cWFj5XOoLJZwCLIo6fo/6UiLD1JEy4HPG+TcvLuzrd7sdKt3BqHN+N5RVhVxbGQIq4KVfVd3S63RtKt3B3jgRZW5OzAawha3I2gHUX4zKAFRExMxj8TkR8qXTHuEo5vzFHpNId66qqfMaZaDODwUgNCSxt3bqxqqq3lu4YU3/V7vX+rHTEOFudnbX71Qk4hufEti4t3ZYinpUibirdAiPkM5HS01p1/SelQ0pLri/WNE7rCZNgNSXvxzUk70eGxAAWxbTq+sbVDRsujJyvKt0CrIvlFPHyTl3/+61LS7eVjuHUatX1FZHz/yndASfw+cFg8DQDoKPp+E3+dumOUbahafaVbpg2KaVtpRtGTs4jdTN/LdsXF2+PlN5eumNc5Yid9fz8D5TuWE8pZ0+oM8lu3L64eHPpiK92dOPGn4ucH1+6YwwdbWZnX1I6Ytxlu+2e0CjumjeKWnX96ZTzv4uIO0q3QHEpXZarqtXu9bqlU0aE64u1jc16wiRI3o8n4v3IUBjAoqhde/Z8ebZpnhERf1W6BTilPhYpnd+qa0+6TrAq4uci4ljpDrgHN6eIb9+xuHigdAhf274dOx4TEQ8t3THCPr99cfGzpSOmkKcF76JKaayeEFydnX1rRDiu6X7KEa/b125vKN2xXrIFaSbbSA1S9ObnH53uvGbkPkoRr9uxd+/1pTvGXRVhB6wTyGP2O6+k+X7/I5HSf4yIQekWKCVHvPXQmWd+R6fbtevwcR7wWNusIwiHzftxDX73MCwGsChu++Li7bmqnpUi3lu6BThpOUf8dq6qtqdgJt98v/+JFPH60h1wVynipmYweEarrq8p3cI9qwaDHaUbRtze0gHT5hNbtpwWEU8o3TFijh7cvPnjpSPui1179nw5cn5X6Y4xdnbK+YWlI9bDvnb7myPiG0t3wHpJIzaAlXN+W0ScUbpjDF17cPPmN5aOGHc5IuWITumOEddsOnZsf+mIcdLu9f445/yiiMilW2DIjuSc/2Onrl9+4e7dq6VjRsW+dvubc8Q3le4YYV+aW1j4XOmIqVJVBrDWkFMaqeslJpcBLEZCp9tdma/rH4mULDDA+Ppiinh2p65f3Ol2j5SOYTgecPjw6yLC8W6Mks9XTfOMHYuLFpJHnCNBTiClPaUTps3BzZu3RsTE7vxzP+0fxwX22ab59YhYLt0xtnL+pSt37TqzdMaplgeD+dINsJ5G6YnufXNzz46Uvqd0xzhKES+/cPdux5ydpG67/fiIeFDpjhH38a1LS7eVjhg3nX7/3TniFaU7YGhSOhApPbnT7/9e6ZRRUzWNHbTXkCLq0g3TZGHbtjMi57NLd4ywY+E+FkNiAIuRkSJyu9f7mRTxyrCVL4yXlD60srJybquuP1g6heE6+9prj6WIl5XugIiIyPn62cHgKXMLC0ulUzix5In0E9lXOmDaODrg7kZtN5V7a/vi4mcj5/9VumOMfcPs8vLPlI441VJK20o3wDpbLB0QEbGv3f66SOlNpTvGUUrp0lZd/2XpjklQNY2HPU5sLH/njYJOXb8lRVxSugPWW4p476ZjxzrtXm8kfmOMINcXa/O+GaLV2dlzw9zHWpY63e5K6Qimgw8iI6dV12+KlL47Im4t3QKc0B0551e0er3vPW///ptKx1BGq67/NlJyk5OyUjow2zRP2764+MnSKZzY+y+6aCYi2qU7RlhenZ01gDVkKWdPr97FKO2mcl81TfP6iGhKd4yrFPHKPTt2PLJ0x6mUInzGmWRHr3vsY0fiyNiqaV6dIh5TumMMHYmcJ274tZSc0q7SDaMu52wA6yS06vo1KeLXS3fAOjmWc35Fq66fY6e8e5ZdX6xpnNcTxlHO2Y7Pa/N+ZGgMYDGS2r3eX6eIp0TEdaVbgHuQUh0ptTr9/m+miFw6h7JWlpdfGRFfLt3BdEoRe2ZXV79t++LiZ0u3cO+cdf3150TEGaU7Rth1u/bs8Z06fJ5evbuxfWJ1x+LigYj436U7xtjps6urv1Q64hSzyx0TK0VcffGllxbfTb6/ffvjcsRPle4YRznn17Tq+tOlOyaG485PqHJj/KTN1/XP5Ii3lu6AU+yaKufzOv3+b5YOGQOuL9aQUzLoO1zWtNaQcx7b9S3GjwEsRlarrq9Z3bBhV4rYXboF+FeO5Yhf2nTs2HntXu+jpWMYDeft339TzvnFpTuYQjn/+cxg8PTti4s3l07h3quaZkfphlGWI/aWbpg2OSJli6d3lXNKY71AVeX8+tIN4yxHPK+/ffvW0h2nwr52++si4uzSHbBeRuUG16Cq3hERp5XuGEPXxMyMG92nyGUXXLAp3IQ8oaaqDGCdpBSRO3X98hzxy6Vb4BTIKeItxzZt6sz3+74fTuAjT37y6RHxuNIdI+xYRHysdMQ0Sda01mTwnGEygMVI27Vnz5cPbt78TE+SwMj4SIpoder6v21dWlouHcNo6fT7l+aI3y/dwVR5z6EHPvD7ty8u3l46hPsmR3gifQ0ppT2lG6ZNf27u0RHxoNIdI+b6Trd7sHTEyZjv9/dGxN+V7hhjM4Oq+tXSEafIuRExUzoC1ktumuI3FLpzc8+JiKeX7hhHuWle2ul2V0p3TIrNBw/OR8TG0h0j7uZOt/v50hGTolPXr04RLw8nBDCmUsRNOefvbdX1T55/xRVHS/eMgw1Hjri+WNt+v22GJ98573Fu6Y4RlmdXV8f6AUPGiwEsRt6Fu3evdur65TnnH48IP/6gjEM54idadf2trbq+pnQMo2t148aXRUoHSncw8XLk/Avtun7+hbt3r5aO4X7plA4YZTmlfaUbpk1OyS4JdzUh27OniEkZICrle3vz808rHXGyUs6eBmayzcwU/c6+cteuMyOlN5RsGFs5/2FnYeGy0hmTJKe0q3TDGKhLB0yaVl2/NXJ+YUQUPw4W7ouU0qV3LC+f0+n3P1S6ZZxUKbm+WMuErCeMi4Xt27dExNeX7hhhN2y7+uqvlI5gehjAYmx0+v13R0rnubEPQ/fBmaY5p1PX70gRTekYRtt5V111aGYw+IGIuK10CxPr9pzzD7X7/deVDuH+OX4kiKey7tnqhpUVN0SGrImYK90wgkbiOKuT1arrvwvHep6sN+SIVDriJLlBwiTLq7OzRW9yzS4v/3JE/JuSDWPqUErp50pHTJqcs912TyTnifidN2ra/f67IqXnxJ1Hb8Go+2KK+PetXu/i85eWbikdM4ZcX6whO+5tqFYNBK4pR3g/MlQGsBgr7V5v8ejtt+9IEe8t3QJT4As554vbdf19cwsLnysdw/iYW1hYipSeH7Ze59T7VIp4Sqffv7R0CPffAw4f3h6OBFnLNY7VHL5k8fRuqklaoErp10onjLMcsbPXal1UuuNk2AGLCXf9eVdddajUi+9rt89NES8u9frjLEX8YquubyzdMWlSznbAOoE8IYP2o6jd6/1xrqpvj4ibS7fAPUkR781VdU6rrt9XumWMub5YQ+XvzFClqvJQ4Rq8Hxk2A1iMnaceOHC4VdfPiZReGBF3lO6BCZRzxP/YsLp6jiEH7q92r/f+SOnVpTuYKH+fIna26toF05irmsYT6WvIduopxeLp3U3M922r1/s/EfGx0h1jLefXLW3dOpbDszmiyjk7ZpRJVuz7OkdUqWl+JyJmSzWMsasPbt78jtIRk+aqnTsfEik9pnTHqKvsTLKuOt3u5dWdg4BXl26Br5YjPhspfW+rrp/T6Xa/VLpnXOWIFCm5vrhnOdlpcdisaa0hp+T9yFAZwGJstXu9d6YIRxLCqXVl0zTnder6x5yJzMlq93q/EhHvKd3B+EsRb8lV9cxWXX+xdAsnL0fsKN0wylJKBrCG7Mpdu86MiLNKd4yYW+f6/U+XjjhVUkQTKb2hdMeYe+zRjRtfVDri/ui1WmdFSg8o3QHrpeRONr25uedHxJNLvf4YyynihRfu3r1aOmTSzCwvnxfjf2zuejt6cPPmj5eOmHTz/f6nNi0vnx8RHyzdAhHRRMTvRFU9qd3r/XnpmHHXbbfPiogzS3eMsE/P9/u3lo6YJtmOz2tqZmYMnjNUBrAYa626Xjh05plzOeL1ceePSOD+uTFSemGrrp+yY2FhT+kYJsd1W7a8ICL+uHQHY+tQpPTDrbr+yU63u1I6hlMkJTtgraFqmqtKN0ybDSsr28ONun8lRfTThB0lnFP6w4i4oXTHOEsRr97Xbm8u3XFfpZwdx8BEK3Vk7Ee2bn1wpPS6Eq897nLEe1p1fUXpjklUudY4oRRxteG/4di6tHRbq66fHSn919ItTLGU6irnb23X9Ys63e7B0jmToGoa1xdrybkunTBNrtq58yEp4hGlO0bYoc7evZ8sHcF0MYDF2Ltw9+47OnX9qibnZ0TEp0r3wJi5I1J63exg8Ljju8oZZOSUuvjSSweblpefGxF/WbqF8ZIi9swOBnPtXs8A3wTZ125vjpzPLt0xwo4OZmaWSkdMIU8K3t1i6YBTrdPtrkRKby7dMeYemnL+2dIR94PjQZhoKeci39kbN258Q0Q8tMRrj7MUvSUqKwAAIABJREFUcUsV8V9Kd0yqHLGrdMOoyznbBWKIUkRu93qvTREXRYQdYRiaFHFLinhxq9frzPf7HyndM2GsIaylqiZuPWGUbVhZMRC4toVJe8CQ0WcAi4mxo9/fffTIkW2R0rvClyncGx+YHQzOafd6v7B9cfH20jFMrq1LS8tnHj78/TniT0q3MBZyjnjTacvL37p9cdHTKRMm5dwO1yBr6dvtbfiSrdq/lmLHWa2n2dXVd0XEl0p3jLWcX9Hfvv3hpTPuixxhQZpJVuTI2L3bt+9MEc8b9utOgpzzqxytvj7ynTuadkp3jLqSx5ZOs1Zd/0m68zeJ3e9Yb02KeHdTVY9v1fVve+D61MsGsE7E35khalzvnoj3I0Pn5gcT5akHDhxu93ovSBHfHRE3lu6BEbWYm+bp7br+QcMNDMvZ11577PotW344R/x26RZG2g0p4js6df3KrUtLy6VjOPVSzjtKN4yyFLG3dMM0snh6d01VTeTOCNsXF2+PnN9WumPMfd2gqi4pHXEf+YwzyRaH/UT3+y+6aCZV1e+EdeX7Y1+r3/8fpSMmVX9ubktEPKR0x6gzgFVOq64/fWjz5m9LEb8ahmJYH39f5Xxeq65/vNPtevBk/bi+WMPs6upErieMquT9uKacs989DJ0LZSZSq67/ssp5a6T0WxExKN0DoyBHfDJyft51W7a0OgsLl5XuYfpcfOmlg05dvzhFjNtNO4Yhpd/NVbWtVdd/WzqF9ZMjDGCtIadkAGvILrvggtmIeFLpjhGzevgBD7imdMR6Obay8taIuK10x5j70b3bto3F5+YjW7c+OCIeVboD1kuKGPoNrsded93Lkift74+maZqX2Ilk/TRV5fjBE8uD0067unTENLtw9+7VVl3/fIr4joj4fOkeJsbHUsT3tev6gvl+37rCOlo899wHRcSjS3eMsIPbFhc/VTpiyhjAWkOVkoFAhs4AFhNrvt+/td3rvSRFnBcR+0r3QEGfyxE/cfry8hPa/f7vXnzppYYSKapV16+JlF4aBmSJiBRxU4r4vnav97xOt3uwdA/rbmfpgFHWrK5aKB2yzQcPPi4iTi/dMVJS+tiFu3ffUTpjvZy/tHRLjnhn6Y4xNzMzM/P60hH3xsbZWYvRTLqhPtG9Z8eOh0XOrx3ma06MnN+xY2FhT+mMiZazAawTu/a8q646VDqCiFZd/12uqm2R8x+WbmF8HV9Te/GhzZvPbdX1B0v3TINjMzOuL9a2MOzdWafZJ7ZsOS0inli6Y4St3rFp01LpCKaPASwmXquu97XqelfO+SURcWvpHhiiL6aIVx7btOnsTl2/w3FejJJ2r/f23DTPjIgvlG6hmCZyfucdy8vnWCSaDnt27HhYRDyydMcIu7WzuPjx0hFTyOLpXTXNxD8dONs0b4oIv41PQo74t/u2b7+wdMeJJDdImHA5paEOYM2srr45IjYP8zUnxM0bBoNXl46YdMnDHieU7AIxUjrd7pfa/f5/iJS+KyI+VbqHsXJr5PzaI0eOnN2q69++cPfu1dJB08Jxb2tzzO1w3XrGGedExIbSHSPs4+dfccXR0hFMHwNYTIUU0XT6/d86trz82Mj5nWECm0mW8+Ec8fpcVWe36vpNfmAwqjoLC5fNDgbbU8TflG5h6BarnL+13e+/8PylpVtKxzAcs6urboisbZ+nBIcv5+wIpbvIU3Bjbm5h4XM54g9Kd4y9qnpTHvF1peQzzmRbPXTmmUN7ors3P/+0iPihYb3eJEkRP7Pt6qu/Urpjkn1iy5bTspviJ+TG+Ghq93p/latqa454fdgtnrUcX/ffsLp6Vrvf/69PPXDgcOmkaVOlNF+6YZRVBY7HnmYzVeX9uJaU6tIJTKeRXiiDU+38paVb2v3+C3NVfVtEXFm6B06x23LEL1cRj+rU9asc5cU42L64ePO1W7Z8V+T8KxHRlO5hneV8OEW88tDmze35fv8jpXMYuk7pgFGWHJldRkpu1N1FznmxdMMwzDbNG8Jvj5OSIubq+fmLS3espXEzngmWIw4M68jYpa1bN+aId0REGsbrTZScL5+va0O/6+zg5s1zEXFa6Y4xYABrRHW63SOdun5V0zTnh/8/cXcHU8QlGwaDR3fq+lWGesvJKW0r3TDKhr0767TzfjyhqVjfYvQYwGIqdbrdy1t1fX6KuCgiPlG6B07SzSni1ceWlx/dqetXz/f7jtpkrFx86aWDdr//i7lpbLk+uQaR0rsGGzY8rlXXb7I1+nTKETtKN4yynNKe0g1TynDGXWxsmqlYMJ1bWPh4jvjT0h3jLuf8K0tbt24s3fG17Gu3N6SIc0p3wHqphniD/o7TTvuZiHjisF5vgqymlF5ql9MhaJpdpRPGwezqqp1JRtyOhYU9123Z0k4Rz4+IG0v3UNwXc8RrNqyuPqZV168xeFXWvnZ7Q+Ts+uKeDXV3ViJSzta01jYV61uMHgNYTK0UkVt1/Se5qrZGSi+MiC+UboL7JOfrc86vyFX1mFZd/7JjvBh3nYWFD9tyfSL9bYpot3u9F+zcu9ff2imV79wtwQDWGmYGAwNYQ7Znx46HRcTDSneMmM9tX1y8uXTEsMzcuQOnm+InI6Wz7jjttJ8onfG1VE1zTkSM5HAYnAo556EMUuxrtx8VOf+XYbzWpMkRb2nVtRs/Q5BSctz5iX15++LiZ0tHcGIXX3rpoFXX78lVdXaKeFVEHCrdxJD9y7r/t3Tq+hKDV6Ph+PWF3Rbv2UeHtTsrd661On55bSvLywbPKcIAFlOv0+2utHu9dx49cuRxOeKXI+L20k2wppyvShE/2Or3z+70+7/Z6XaPlE6CU+WftlxPEedlZ8aPu16T83e06/qZbjrQbbfPioiHlO4YYZ+fW1j4XOmIaTMzGFiourup2p59vt/vR0p/U7pj7OX8i/Xc3ANLZ3wNPuNMtJzzUH5jp6Z5a0ScMYzXmjBfiKq6pHTE1MjZDlgnVpcO4L7pdLtHWnX9+lxVT4iU3hUeVpx81v1HnePe1pLSVK0nlFbPzz8qIh5UumOEfeG8/ftvKh3BdDKABcc99cCBw526fnWKeEyK+NXwZAmjJUfOf54intbu989r1fUHUkRTOgrWS6uu9x3evHlHpPTTEfHl0j3cJ3sjpWe16rqzo993U5uIiKiaxu5Xa9tbOmBKGc64izSF27PnweDXSjdMgIcMUnpV6Yi7anzGmXCrg8G6f2f35ue/KyKetd6vM5FSekWn2z1YOmMafGTr1gdHxGNLd4y8lDzkNqY63e7n273eCyKlc3PE70fESukmTqk7IuIPIqUnW/cfea4v1pCbxt+Z4fJ+XJv3I8UYwIK7aNX1F1t1/fMbVle/JUe8JkU41o1ycj6cI357pmnObff739uq638onQTDcuHu3avtXu/NuaoeGym9LuxQONpyvqrJ+bvbdb2z3ev9WXKkE1+lcfzgmpIBrCJyznOlG0ZNnsIbc52Fhcsi56tKd4y7FPHyPTt2PLJ0x1dLFqSZbOv+RPdHnvzk05uIt6/na0ywv2v3en9cOmJabNq4cVfceeQ5a5u6QftJ0+71Ptqp6x+tcn5c5Pz2iDhauomTcl3k/LO5qh7Zruvntnu9K0sHsbYcYQ1hDdnfmaFqvB/X5P1ISbOlA2BUHT9X+5LLH//4N59+xhkvTjn/dI74ptJdTI19kfM7N62svG/r0tJtpWOgpONPDf/Cvnb7bVXTvDpH/FhEbCjdRURENJHzX6SUfqPV7/9d6RhGVzKAtaackgGsAgxn3F1OaSoXqHLEr6WI/126Y8ydPjMYXBIRzysd8lV8xplk6/59fdrRo78QKT1mvV9nAi1HSi8rHTFNcs47I5m/OpFp/Z03ieb7/U9FxEuvfNKT/tvshg0/lSJeHBFnFs7i3jkWER+KlN7V6vU+bKerseP6Yg0bm8bfmSGyprW2ygAWBdkBC07gqQcOHG73em+4Y9Omx+ScXxIRHyvdxITK+XDk/M5cVe12Xe9o9/vvMnwF/6LT7X6+Vdc/cfxJv9+InA+Xbppit0XE26qcn3B8dz7DV9yj91900UxEtEp3jLB87NgxA1hD9pEnP/n0iHhc6Y4Rc+T6s876ROmIEtr9/gcj4qOlO8Zezs/ttlrbSmdERCxs2/aIiHho6Q5YNzmv6w2Fem7u7EjpP6/na0yslN7Y7vX8TRmmlHaVThgDx8Ka9sQ5b//+mzp1/aoq50fniJ/MEUulm7hHV+acX3JsefnftOv6B9q93l8Zvhov/e3bHx6uL9Zy4/bFxZtLR0wZA1hrM4BFMXbAgnvp/CuuOBoRv5Uj3tHdvv2ZqapeGhHfHQYZOXndSOmdR48ced9TDxwwUAIncPxJv5/a126/Ng0GL8gpvTxFPKJ011RIaX9EvCen9J7jO5PBCZ11/fXnRMQZpTtG2PXnLy058nrITj969ElNSq6Hv1rOV1986aWD0hklpIhmX86vTyn9bumWMVdFzq+PiO8qHbJSVdvthcIkW+8jNZqU3hIRp63na0yoG2ZXV19XOmKa5IjUs9vuvbG/0+2ulI5gfcz3+7dGxFsi4i372u2npqZ5QURcFBGbypZNvU9FSu9tVld/f8fi4oHSMZyc1ZTmXF+sybDLEF25a9eZsbx8VumOEXb02i1bDkRdl+5gSllwhvsoReRYWPhwRHx4744dZ82srv5Ejnh+RDywdBtj5fMp4tKI+INWXe8rHQPj6PgA0H/f127/RmqaH4yI5+WIZ4TB2FPtK5HS+6qm+d35urZLD/dZ1TQ7cumIEZYj9pRumEaDCMMZdzfdC6YzM++NprkkIh5VOmXMfWdvfv4ZpXfHdBwDk252HXfA6s3P/3CO+M71+udPsirnl29fXLy9dMc06bbbZ6WmsSPJCeSIfukGhqPT7V4eEZd/ZOvWV5x22mnPjYjnR85PKt01RT4WKf1pTukDnW63VzqGU8f1xdqSvzNDNbu6ui0iLGvds/3T+oAho8EAFpyEHXv3Xh8R/3lh27bXrM7OPiea5j/Z9pp7kiJuiYg/zSm977rHPvbv/QCAU+P4U5zvi4j37dmx45Ezg8FzI+cfjYizC6eNs6OR0l9HxB8dOvPM/3vh7t13lA5ifDURO6wI3LOUksHGAlJKFk/vYr13Uxl1nW53Zd/8/K+niN8s3TLucsQb8p3f/cWOVUlVNZez8V8m1h1fedCD1mUnjcsf//gH5Ig3rsc/ewr89Xy//39LR0ydwWBXJFcbJ1JN+e+8aXR8l+XfiIjf6M3Pn9NE/GBK6SLDWKdcjog6R/yfKuIDrbq+pnQQ68YawhpySv7ODFHKea50w0hLyUAgRRnAglPg+NNt74yId+7dtu3x1ezscyPnHwlPTxNxW4r4YE7pj047duyvty4tLUdERM8DMLAedu7d+5mI+JUc8bp9c3PnVxE/kFN6dop4TOm2MXBbRHwo5/yBDU3zF57c5lRJETtLN4yybACriBxxc5XSpaU7RkkzGPxD6YbiqurduWnOqxxPedK67fbW6HavLvX6OWJz5Hx9qdeHdXbNhbt3r67HP/j000+/JCIevh7/7Al3R66ql5SOmFbJb7oTy9nvvCl2fCjokoi4pNtqPTHn/IPpziMKzy2cNq6+lCI+HBF/tbyy8uHz9u+/qXQQQ1BVNxw/0YSvITXNVaUbpknK+Uj4/XOPcsSflW5gunk8BNZJjqh6rdYFKefn5ogfiIivL93E0PzzzjE5pT/rdLtHSgfBtOu2Wttyzt+XIp4dEfPhN9A/+WiO+NvI+a8PP/CBf2enK061yy64YNOZBw8eiogNpVtG1OrsYPBAA48AQGk5IvVarWfnpjGEeh/liBt39Pv/X+kOgPti744dZ1WDwTNTxDNyzk+PiIeUbhpRt6WIKyLiH1LOfz3X73dL7vQKAIw2Nx9hCBa2bTtjpaq+L1L6/hTxnWEYaxJ9KlL6i6ZpPrRy+umXnX/FFUdLBwFf28K2bd+4Ojt7Qc75woh4eop4XOmmIboxR/x9SulvZldX/2b74uJnSwcx2bqt1nmR8xWlO0bYYruubWMPAABAMccfJp9POX97jvj2iHhKRJxeuquQmyPi8kjpH1POlx/cvLm/XjtPAgCTxwAWDNllF1yw6cxDh7495/zsFPGsiPiG0k3cL6sp4vKc81+klD7kfHcYX/3t2x/eVNW3RkQnR+yIiFZMxqDssYjoRc5XRlVdmVO6stPt3lA6iumyr91+VAwGu0p3jKqZiM/N9/sfKd0BAAAA/2Rfu70hr64+KaXUTil1IqIdEdsiYmPhtFPtCymi10T0Ukq9lHOvVdefLh0FAIwvA1hQ0Psvumhmy7XXPiXn/OxI6Xsi4uzSTazpxkjpw7lp/iJmZj7c6XYPlg4CTr33X3TRzOM+/vEnNFXViohzmognpoitEfGYiJgpnPe1DCLi+khpKSKuSTnvTzl/dOPKyjVbl5aWS8cBAAAAMN6Wtm7deMdpp50bEe1omidExNmR0paIOCtGezArR8QNKeLjOeePp5QONE1zoKqq/a26vrF0HAAwWQxgwQjZ124/KuX8jGiap0dKz4iIby7dNM1yxMeP73L1DzEzc3mn272udBNQzie2bDnt9jPO2DKYmXlMbppHpYhHR0qPipwfEVX1DZHzN0XEA0/xyw4i4pYc8ZUU8YWI+HSO+HTK+YaoqhtSzp95wOHD15197bXHTvHrAgAAAMCa3n/RRTNnf+ITj8x3DmNtySmdlXP+pirioTniGyPimyLiobE+RxouR8StEfGlSOmz0TSfSyl9Juf82RxxY8zM3LC8ceO1519xxdF1eG0AgLsxgAUjrDc/f05EPKOJeEaK+LaIeFDppgk2iIiFFHF5RPzj8srKP563f/9NpaOA8bK0devGldnZb1idnd2Ucn5g1TRVTmlzTmkmN82ZVUqzOaUHfNV/5WBumiYiokrpKxEROaWvzK6u3rKyYcMtdtoDAAAAYNwtbNt2RkR84+rs7IObptk0k9Lpg5xTOv4wY4o4I6rqrjtp/fO6WY64taqqO3JKt25YWflKRHxl++Li7UP+nwEAsCYDWDAmckTat23b42ZmZnY2ETtSzjsjpbmIOK102xgaRMTHI2IxR/RTSvXKhg1XnHfVVYdKhwEAAAAAAAAA48UAFoyxpa1bNx6ZnZ2rZmZ2ppw7OWJrRDwhIr6+dNsIORgRixGxEDkvVhH9o6efvt+2wwAAAAAAAADAqWAACyZMjkj1/PyjckpPSDlvPf6v50TEE3PEg0v3rZPbI6VPRs7XR0qfzDlfHzlft6Fprtm+uPjJ0nEAAAAAAAAAwOQygAVT5KqdOx+yYWXlETmlR0XEo1LOj8gpPTKa5tGR0iMi4uERsaFw5l0diYgvR8QXI+KLkfONKaXrm5yvr1L65PLKyvXn7d9/U+FGAAAAAAAAAGBKGcAC/lmOSHt27nzw7Orqg6qmeVBTVQ9OOT+oiXhQSunBKecH5Tv//QMiInLOp0XE1935X86bIqXTj/9zNqWIJiKWU8QgRxw6/p/fXqW0nHMeRM53/mcp3VZF3N5EfCnl/OWoqi81g8HNeePGL1VN8+VOt3ukyP8xAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAOD/Zw8OBAAAAACA/F8bQVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVYz6r8AAAZYUlEQVRVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVaU9OCQAAAAAEPT/tS9MAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAPAK72jSb7mm5kkAAAAASUVORK5CYII=)

****

**John 15:9**

**Abide In Me: Lessons From John 15 – 4/30/2022**

**Write Up:** We were designed to live in connection with our Creator. Like a branch stays attached to a vine, abiding in a relationship with Jesus that is rooted in love is the only way our lives can produce good fruit. The Bible offers us some fundamental lessons from inside the vineyard: Jesus is the vine, God is the gardener, every life produces fruit, and abiding is a result of love.

**Week 1:** Jesus Is The Vine

**Scripture:** John 15:5 // Galatians 5:22-23

**Write Up:** In a grape vineyard, a vine is the vital life source for the production of fruit. In the same way, abiding in Christ is the way in which we receive all of the spiritual nourishment necessary to live the way of Jesus in the world. Without this vital connection, we are incapable of producing the fruits of the spirit and becoming who God wants us to be.

**Think:** In and of myself, I cannot produce the kind of life that honors God, myself and others.

**Feel:** Abidingin Christopens up amazing possibilities for a life of purpose and meaning.

**Do:** Exercise spiritual disciplines like prayer, scripture and fellowship to foster a strong connection to Jesus.

**Week 2:** God Is The Gardener

**Scripture:** John 15:1-2 // Hebrews 12:7-13

**Write Up:** A good gardener knows when it is time to prune parts of a crop in order to produce a better yield. God knows the areas of our lives that need to be pruned as well in order to reveal the best versions of ourselves. Sometimes it is something sinful that must be pruned because it is hindering our growth. Other times it may even be something good that is getting in the way. Abiding in Christ means embracing the correction that comes from God that we might produce a great spiritual harvest.

**Think:** God will use the painful times in our lives to remove what hinders our spiritual growth.

**Feel:** God loves me like a father loves his children. His discipline in my life is an extension of his love and mercy.

**Do:** Identify the areas of my life that God wants to prune and obediently respond to his discipline.

**Week 3:** Every Life Produces Fruit

**Scripture:** John 15:7-8 // Matthew 7:16-20

**Write Up:** The fruit of our lives are expressed in words and actions. Everyone will produce some kind of fruit, whether it is good or bad. Abiding in Christ offers us all we need to have a harvest of good from our lives. However, living disconnected from Jesus will result in fruit that looks like the world. We will be identified by the fruit of our lives.

**Think:** My life will have some kind of impact on the world around me. It can be positive or negative.

**Feel:** I want to be easily identified as a follower of Jesus by the kind of fruit my life produces.

**Do:** Take an account of what my words and actions are like. Do they look like Jesus?

**Week 4:** Abiding Is the Result of Love

**Scripture:** John 15:9-13 // Ephesians 3:18-19

**Write Up:** We abide in relationship with those who we know love us. God demonstrated his love for us by sending Jesus to sacrifice himself on the cross. This love is agape love which offers itself without a need of anything in return. This is the greatest expression of love toward us.

**Think:** God showed how much he loved us by sending Jesus as an atoning sacrifice.

**Feel:** God sees me as worthy and valuable. He invites me into relationship so that I might experience this love.

**Do:** Receive God’s love and grace by faith.

**SERMON**WEEK1

**Abide In Me**: Week 1

Jesus Is The Vine

**Scripture:** John 15:5 // Galatians 5:22-23

**Write Up:** In a grape vineyard, a vine is the vital life source for the production of fruit. In the same way, abiding in Christ is the way in which we receive all of the spiritual nourishment necessary to live the way of Jesus in the world. Without this vital connection, we are incapable of producing the fruits of the spirit and becoming who God wants us to be.

**Think:** In and of myself, I cannot produce the kind of life that honors God, myself, and others.

**Feel:** Abidingin Christopens up amazing possibilities for a life of purpose and meaning.

**Do:** Exercise spiritual disciplines like prayer, scripture reading, and fellowship to foster a strong connection to Jesus.

**Sermon:** Hello, Church! I am overjoyed you have chosen to worship with us today. Our prayer is that God would meet you in a special way as we open his Word together. Today we are beginning a brand new sermon series called Abide In Me. We were created to live in connection with God. We have been designed to be filled with all we need for life and godliness by developing and sustaining a union with our creator. The Bible tells us, however, that sin is the greatest deterrent to this life-giving relationship. It breaks the connection, and we find ourselves all on our own. It is the very reason Jesus came to offer himself on the cross as a sacrifice for sin: to unite us with God once again. The Bible actually addresses this simple truth in many different ways. One of the clearest illustrations given is that of a grapevine.

**Story**: *(Consider having a live/plastic grapevine plant on stage with you as you present this story)* I once visited a grape vineyard in North Carolina with my wife. We had taken a vacation to rest, and recharge and part of our time together involved a tour of a small mountain winery. We were fascinated to learn about the process of growing and harvesting beautiful grapes to produce sought-after wine. As our guide took us through the vineyard, he pointed out all kinds of little pieces of information about the farming of grapes. But the one thing that most captured my attention was the fact that every branch, every leaf, and every grape received all of its nourishment and sustenance from a single vine. Without an established and continual connection to that vine, there would be no hope of any kind of fruit at all. (*This story needs to somehow incorporate and introduce a visual of the vine and branches concept*)

**POINT #1 – THE VINE IS THE SOURCE OF LIFE**

Just a few chapters before Jesus is arrested and crucified, he is spending time with his disciples, sharing his parting words and final instructions. Jesus knows his life is headed to the cross, so he takes these final moments to instill within his followers just how they are to live in his absence.

**READ John 15:5**

Jesus uses imagery that would have been very familiar to the agricultural society he was speaking to. They would have understood vines, branches, and fruit. He calls himself the vine. In this one statement, Jesus is making some very important claims. First, he is claiming that, just as a vine receives nutrients and water from the soil in order to grow and flourish, he is the conduit by which we are provided love, grace, mercy, forgiveness, and power. Second, he is claiming there is no other vine available to have access to the things we need for a full life. Many people settle for lesser vines—things like money, success, relationships, and status as a way of fulfillment—but they will never replace a connection to Jesus.

Jesus also makes the claim that we are the branches. The sole job of a branch is to receive from the vine. In order for a branch to produce fruit, it must remain attached and connected to the source of life that is the vine. Apart from him, we can accomplish nothing. There is no power, no nourishment, and no life.

This is why Jesus gives clear instruction in these final words to his disciples to abide in him or to remain in him. Jesus has big plans for those who would put their faith, hope, and trust in him. He plans for them to change the world.

Pastor and author A.W. Tozer once said it like this: “God is looking for people through whom he can do the impossible. What a pity that we plan only the things we can do by ourselves.”

Many of us wake up in the morning with no real desire or plan to be a part of something bigger than ourselves. In that case, we don’t notice when we are disconnected from the vine. We go to work, punch the clock, cook dinner, read a book, help our kids with homework, and go to bed. The next day we just repeat. However, the plan of God for your life is for greater things. He desires for us to produce what he calls spiritual fruit. Different from apples and oranges. This fruit is the faithful outcome of a holy, connected life. To defeat sin. To reverse injustice. To feed the hungry. To serve the poor. He knows the only way any of this is possible is if we remain connected to him. To abide in him.

**POINT #2 – THE CHRISTIAN LIFE CANNOT BE ACCOMPLISHED ON OUR OWN**

The writer of the book of John uses a very specific Greek word in verse five when he talks about this instruction from Jesus. He uses the word “meno.” It is translated in English as remain, abide, stay, and even wait. So Jesus is telling his listeners, “I am the only way you will receive what you need to live a God-sized life. You must remain, abide, stay, and wait on me.”

We aren’t good at this, though, are we? Life is fast-paced, and we buy the lie that we can do it on our own. We are not patient enough for the vine to fill us through things like intentional prayer, devoted Bible study, passionate worship, and meaningful fellowship.

**Story**: It is kind of like charging your cell phone. My phone is constantly dead. It seems it is perpetually at one percent just barely hanging on. This is the case for two reasons: (1) I have children. (2) I am impatient. I often will plug my phone into a power source because I have a big day ahead. I need the fuel and the power to make it to the end of the day; but if I am not careful, I will get antsy and unplug it to text, call, or search something before it has had a chance to recharge.

I have to let it be “meno.” I have to let it remain, abide, stay, and wait in order to receive what is required to do what I need to do. Jesus is the vine, and we are the branches. We must remain connected to him if we hope to experience the full life of Christ.

Jesus tells us an intentional relationship with him will produce spiritual fruit. In the book of Galatians, Paul expounds on the possible outcome of a life that is connected to Jesus as the vine. He details the kind of fruit that can be produced when we live a connected life.

**READ Galatians 5:22-23**

Just like a branch connected to the vine produces fruit that is consistent with the type of plant it is, a life lived in the Spirit and connected to Christ will produce fruit consistent with the Spirit of God. When we abide in Christ and remain united with him, our lives will be marked by love, joy, peace, patience, kindness, goodness, faithfulness, gentleness, and self-control.

**POINT #3 – ABIDING IN CHRIST SHOULD RESULT IN LIVES THAT LOOK LIKE JESUS**

The goal of any Christian should be to spend so much time with Jesus through intentional prayer, the study of scripture, investing in Godly relationships, and passionate worship that the attributes and attitudes of Christ start to rub off on us. The more time you spend with Jesus, the more you should look like, talk like, and act like him.

**Story**: I moved from the North to the South when I was in elementary school. It was such a cultural shift in many ways that it took time to acclimate to my new surroundings. It was not long before I recognized things about myself changing to fit my new environment. I started dressing differently as I spent time with my new friends. I found