

Gen1-Phi

| Gen1-Phi | 0      | 1      | 2       | 3      | 4      | 5       | 6       | 7       | 8       | 9       | 10      | 11      | 12      | 13      | 14      | 15      | 16      | 17      | 18      | 19      | 20      | 21      | 22      | 23      | 24      | 25      | 26      | 27      | 28      | 29      | 30      | 31      | 32      | 33      | 34      | 35      | 36      | 37      | 38      | 39      | 40      | 41      | 42      | 43      | 44      | 45      | 46      | 47      | 48      | 49      | 50      | 51      | 52      | 53      | 54      | 55      | 56      | 57      | 58      | 59      | 60      | 61      | 62      | 63      | 64      | 65      | 66      | 67      | 68      | 69      |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |   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|----------|--------|--------|---------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--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| 0        | 183798 | 187241 | 1870891 | 189844 | 186868 | 1866324 | 1865801 | 1863286 | 1862188 | 1860771 | 1859251 | 1857819 | 1856313 | 1854859 | 1853454 | 1851969 | 1850498 | 1849041 | 1847597 | 1846167 | 1844746 | 1843334 | 1841931 | 1840537 | 1839152 | 1837776 | 1836408 | 1835049 | 1833698 | 1832356 | 1831023 | 1829698 | 1828372 | 1827055 | 1825737 | 1824428 | 1823118 | 1821817 | 1820515 | 1819212 | 1817918 | 1816624 | 1815329 | 1814034 | 1812738 | 1811441 | 1810143 | 1808844 | 1807544 | 1806243 | 1804941 | 1803638 | 1802334 | 1801029 | 1799724 | 1798418 | 1797111 | 1795803 | 1794494 | 1793184 | 1791873 | 1790561 | 1789248 | 1787934 | 1786619 | 1785304 | 1783988 | 1782671 | 1781353 | 1780035 | 1778716 | 1777396 | 1776074 | 1774751 | 1773428 | 1772104 | 1770779 | 1769453 | 1768127 | 1766800 | 1765473 | 1764145 | 1762816 | 1761486 | 1760155 | 1758823 | 1757490 | 1756156 | 1754821 | 1753485 | 1752148 | 1750810 | 1749471 | 1748131 | 1746790 | 1745448 | 1744105 | 1742761 | 1741416 | 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-12768 | -14173 | -15567 | -16959 | -18350 | -19739 | -21127 | -22514 | -23900 | -25284 | -26666 | -28046 | -29424 | -30800 | -32174 | -33546 | -34916 | -36284 | -37650 | -39014 | -40376 | -41736 | -43093 | -44447 | -45799 | -47149 | -48496 | -49840 | -51181 | -52519 | -53854 | -55186 | -56515 | -57841 | -59164 | -60484 | -61801 | -63115 | -64426 | -65734 | -67039 | -68341 | -69640 | -70936 | -72229 | -73519 | -74806 | -76090 | -77371 | -78649 | -79923 | -81193 | -82459 | -83721 | -84979 | -86233 | -87483 | -88730 | -89973 | -91212 | -92447 | -93678 | -94905 | -96128 | -97347 | -98562 | -99773 | -100978 | -102178 | -103373 | -104563 | -105748 | -106928 | -108103 | -109273 | -110438 | -111598 | -112753 | -113903 | -115048 | -116188 | -117323 | -118453 | -119578 | -120698 | -121808 | -122913 | -124013 | -125108 | -126198 | -127283 | -128363 | -129438 | -130508 |

|       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 70    | 71    | 72    | 73    | 74    | 75    | 76    | 77    | 78    | 79    | 80    | 81    | 82    | 83    | 84    | 85    | 86    | 87    | 88    | 89    | 90    | 91    | 92    | 93    | 94    | 95    | 96    | 97    | 98    | 99    | 100   | 101   | 102   | 103   | 104   | 105   | 106   | 107   | 108   | 109   | 110   | 111   | 112   | 113   | 114   | 115   | 116   | 117   | 118   | 119   | 120   | 121   | 122   | 123   | 124   | 125   | 126   | 127   | 128   | 129   | 130   | 131   | 132   | 133   | 134   | 135   | 136   | 137   | 138   | 139   | 140   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 1.789 | 1.791 | 1.793 | 1.795 | 1.797 | 1.799 | 1.801 | 1.803 | 1.805 | 1.807 | 1.809 | 1.811 | 1.813 | 1.815 | 1.817 | 1.819 | 1.821 | 1.823 | 1.825 | 1.827 | 1.829 | 1.831 | 1.833 | 1.835 | 1.837 | 1.839 | 1.841 | 1.843 | 1.845 | 1.847 | 1.849 | 1.851 | 1.853 | 1.855 | 1.857 | 1.859 | 1.861 | 1.863 | 1.865 | 1.867 | 1.869 | 1.871 | 1.873 | 1.875 | 1.877 | 1.879 | 1.881 | 1.883 | 1.885 | 1.887 | 1.889 | 1.891 | 1.893 | 1.895 | 1.897 | 1.899 | 1.901 | 1.903 | 1.905 | 1.907 | 1.909 | 1.911 | 1.913 | 1.915 | 1.917 | 1.919 | 1.921 | 1.923 | 1.925 | 1.927 | 1.929 | 1.931 | 1.933 | 1.935 | 1.937 | 1.939 | 1.941 | 1.943 | 1.945 | 1.947 | 1.949 | 1.951 | 1.953 | 1.955 | 1.957 | 1.959 | 1.961 | 1.963 | 1.965 | 1.967 | 1.969 | 1.971 | 1.973 | 1.975 | 1.977 | 1.979 | 1.981 | 1.983 | 1.985 | 1.987 | 1.989 | 1.991 | 1.993 | 1.995 | 1.997 | 1.999 | 2.001 | 2.003 | 2.005 | 2.007 | 2.009 | 2.011 | 2.013 | 2.015 | 2.017 | 2.019 | 2.021 | 2.023 | 2.025 | 2.027 | 2.029 | 2.031 | 2.033 | 2.035 | 2.037 | 2.039 | 2.041 | 2.043 | 2.045 | 2.047 | 2.049 | 2.051 | 2.053 | 2.055 | 2.057 | 2.059 | 2.061 | 2.063 | 2.065 | 2.067 | 2.069 | 2.071 | 2.073 | 2.075 | 2.077 | 2.079 | 2.081 | 2.083 | 2.085 | 2.087 | 2.089 | 2.091 | 2.093 | 2.095 | 2.097 | 2.099 | 2.101 | 2.103 | 2.105 | 2.107 | 2.109 | 2.111 | 2.113 | 2.115 | 2.117 | 2.119 | 2.121 | 2.123 | 2.125 | 2.127 | 2.129 | 2.131 | 2.133 | 2.135 | 2.137 | 2.139 | 2.141 | 2.143 | 2.145 | 2.147 | 2.149 | 2.151 | 2.153 | 2.155 | 2.157 | 2.159 | 2.161 | 2.163 | 2.165 | 2.167 | 2.169 | 2.171 | 2.173 | 2.175 | 2.177 | 2.179 | 2.181 | 2.183 | 2.185 | 2.187 | 2.189 | 2.191 | 2.193 | 2.195 | 2.197 | 2.199 | 2.201 | 2.203 | 2.205 | 2.207 | 2.209 | 2.211 | 2.213 | 2.215 | 2.217 | 2.219 | 2.221 | 2.223 | 2.225 | 2.227 | 2.229 | 2.231 | 2.233 | 2.235 | 2.237 | 2.239 | 2.241 | 2.243 | 2.245 | 2.247 | 2.249 | 2.251 | 2.253 | 2.255 | 2.257 | 2.259 | 2.261 | 2.263 | 2.265 | 2.267 | 2.269 | 2.271 | 2.273 | 2.275 | 2.277 | 2.279 | 2.281 | 2.283 | 2.285 | 2.287 | 2.289 | 2.291 | 2.293 | 2.295 | 2.297 | 2.299 | 2.301 | 2.303 | 2.305 | 2.307 | 2.309 | 2.311 | 2.313 | 2.315 | 2.317 | 2.319 | 2.321 | 2.323 | 2.325 | 2.327 | 2.329 | 2.331 | 2.333 | 2.335 | 2.337 | 2.339 | 2.341 | 2.343 | 2.345 | 2.347 | 2.349 | 2.351 | 2.353 | 2.355 | 2.357 | 2.359 | 2.361 | 2.363 | 2.365 | 2.367 | 2.369 | 2.371 | 2.373 | 2.375 | 2.377 | 2.379 | 2.381 | 2.383 | 2.385 | 2.387 | 2.389 | 2.391 | 2.393 | 2.395 | 2.397 | 2.399 | 2.401 | 2.403 | 2.405 | 2.407 | 2.409 | 2.411 | 2.413 | 2.415 | 2.417 | 2.419 | 2.421 | 2.423 | 2.425 | 2.427 | 2.429 | 2.431 | 2.433 | 2.435 | 2.437 | 2.439 | 2.441 | 2.443 | 2.445 | 2.447 | 2.449 | 2.451 | 2.453 | 2.455 | 2.457 | 2.459 | 2.461 | 2.463 | 2.465 | 2.467 | 2.469 | 2.471 | 2.473 | 2.475 | 2.477 | 2.479 | 2.481 | 2.483 | 2.485 | 2.487 | 2.489 | 2.491 | 2.493 | 2.495 | 2.497 |

|        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 151701 | 151702 | 151703 | 151704 | 151705 | 151706 | 151707 | 151708 | 151709 | 151710 | 151711 | 151712 | 151713 | 151714 | 151715 | 151716 | 151717 | 151718 | 151719 | 151720 | 151721 | 151722 | 151723 | 151724 | 151725 | 151726 | 151727 | 151728 | 151729 | 151730 | 151731 | 151732 | 151733 | 151734 | 151735 | 151736 | 151737 | 151738 | 151739 | 151740 | 151741 | 151742 | 151743 | 151744 | 151745 | 151746 | 151747 | 151748 | 151749 | 151750 | 151751 | 151752 | 151753 | 151754 | 151755 | 151756 | 151757 | 151758 | 151759 | 151760 | 151761 | 151762 | 151763 | 151764 | 151765 | 151766 | 151767 | 151768 | 151769 | 151770 | 151771 | 151772 | 151773 | 151774 | 151775 | 151776 | 151777 | 151778 | 151779 | 151780 | 151781 | 151782 | 151783 | 151784 | 151785 | 151786 | 151787 | 151788 | 151789 | 151790 | 151791 | 151792 | 151793 | 151794 | 151795 | 151796 | 151797 | 151798 | 151799 | 151800 | 151801 | 151802 | 151803 | 151804 | 151805 | 151806 | 151807 | 151808 | 151809 | 151810 | 151811 | 151812 | 151813 | 151814 | 151815 | 151816 | 151817 | 151818 | 151819 | 151820 | 151821 | 151822 | 151823 | 151824 | 151825 | 151826 | 151827 | 151828 | 151829 | 151830 | 151831 | 151832 | 151833 | 151834 | 151835 | 151836 | 151837 | 151838 | 151839 | 151840 | 151841 | 151842 | 151843 | 151844 | 151845 | 151846 | 151847 | 151848 | 151849 | 151850 | 151851 | 151852 | 151853 | 151854 | 151855 | 151856 | 151857 | 151858 | 151859 | 151860 | 151861 | 151862 | 151863 | 151864 | 151865 | 151866 | 151867 | 151868 | 151869 | 151870 | 151871 | 151872 | 151873 | 151874 | 151875 | 151876 | 151877 | 151878 | 151879 | 151880 | 151881 | 151882 | 151883 | 151884 | 151885 | 151886 | 151887 | 151888 | 151889 | 151890 | 151891 | 151892 | 151893 | 151894 | 151895 | 151896 | 151897 | 151898 | 151899 | 151900 | 151901 | 151902 | 151903 | 151904 | 151905 | 151906 | 151907 | 151908 | 151909 | 151910 | 151911 | 151912 | 151913 | 151914 | 151915 | 151916 | 151917 | 151918 | 151919 | 151920 | 151921 | 151922 | 151923 | 151924 | 151925 | 151926 | 151927 | 151928 | 151929 | 151930 | 151931 | 151932 | 151933 | 151934 | 151935 | 151936 | 151937 | 151938 | 151939 | 151940 | 151941 | 151942 | 151943 | 151944 | 151945 | 151946 | 151947 | 151948 | 151949 | 151950 | 151951 | 151952 | 151953 | 151954 | 151955 | 151956 | 151957 | 151958 | 151959 | 151960 | 151961 | 151962 | 151963 | 151964 | 151965 | 151966 | 151967 | 151968 | 151969 | 151970 | 151971 | 151972 | 151973 | 151974 | 151975 | 151976 | 151977 | 151978 | 151979 | 151980 | 151981 | 151982 | 151983 | 151984 | 151985 | 151986 | 151987 | 151988 | 151989 | 151990 | 151991 | 151992 | 151993 | 151994 | 151995 | 151996 | 151997 | 151998 | 151999 | 152000 | 152001 | 152002 | 152003 | 152004 | 152005 | 152006 | 152007 | 152008 | 152009 | 152010 | 152011 | 152012 | 152013 | 152014 | 152015 | 152016 | 152017 | 152018 | 152019 | 152020 | 152021 | 152022 | 152023 | 152024 | 152025 | 152026 | 152027 | 152028 | 152029 | 152030 | 152031 | 152032 | 152033 | 152034 | 152035 | 152036 | 152037 | 152038 | 152039 | 152040 | 152041 | 152042 | 152043 | 152044 | 152045 | 152046 | 152047 | 152048 | 152049 | 152050 | 152051 | 152052 | 152053 | 152054 | 152055 | 152056 | 152057 | 152058 | 152059 | 152060 | 152061 | 152062 | 152063 | 152064 | 152065 | 152066 | 152067 | 152068 | 152069 | 152070 | 152071 | 152072 |
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Max Per Line  
2450MHz Max  
Gain-T 7.234005

|         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 1       | 2       | 3       | 4       | 5       | 6       | 7       | 8       | 9       | 10      | 11      | 12      | 13      | 14      | 15      | 16      | 17      | 18      | 19      | 20      | 21      | 22      | 23      | 24      | 25      | 26      | 27      | 28      | 29      | 30      | 31      | 32      | 33      | 34      | 35      | 36      | 37      | 38      | 39      | 40      | 41      | 42      | 43      | 44      | 45      | 46      | 47      | 48      | 49      | 50      | 51      | 52      | 53      | 54      | 55      | 56      | 57      | 58      | 59      | 60      | 61      | 62      | 63      | 64      | 65      | 66      | 67      | 68      | 69      | 70      |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
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[illegible]

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|          |          |          |          |          |          |           |              |             |
|----------|----------|----------|----------|----------|----------|-----------|--------------|-------------|
| 354      | 355      | 356      | 357      | 358      | 359      | 360       | Max Per Line | 2450MHz Max |
| -3.79156 | -3.78295 | -3.77436 | -3.76578 | -3.75722 | -3.74867 | -3.74015  | -3.7401475   |             |
| -3.6271  | -3.61866 | -3.61023 | -3.60182 | -3.59342 | -3.58504 | -3.57669  | -3.580942    |             |
| -3.48865 | -3.46036 | -3.45208 | -3.44383 | -3.43558 | -3.42736 | -3.41914  | -3.3642673   |             |
| -3.31577 | -3.30763 | -3.2995  | -3.29138 | -3.28328 | -3.27519 | -3.26712  | -3.1864347   |             |
| -3.1881  | -3.16008 | -3.15206 | -3.14401 | -3.13613 | -3.12818 | -3.12024  | -3.0150896   |             |
| -3.02527 | -3.01739 | -3.00952 | -3.00166 | -2.99381 | -2.98598 | -2.97817  | -2.8512289   |             |
| -2.887   | -2.87923 | -2.87148 | -2.86374 | -2.85601 | -2.84829 | -2.84059  | -2.6926535   |             |
| -2.753   | -2.74534 | -2.73761 | -2.73006 | -2.72244 | -2.71484 | -2.70724  | -2.5405317   |             |
| -2.623   | -2.61545 | -2.60779 | -2.60038 | -2.59286 | -2.58536 | -2.57787  | -2.3804933   |             |
| -2.49676 | -2.48933 | -2.48188 | -2.47445 | -2.46703 | -2.45963 | -2.45223  | -2.2210767   |             |
| -2.37413 | -2.36677 | -2.35942 | -2.35208 | -2.34475 | -2.33744 | -2.33013  | -2.0672059   |             |
| -2.25485 | -2.24757 | -2.24031 | -2.23306 | -2.22582 | -2.21859 | -2.21137  | -1.9181933   |             |
| -2.13876 | -2.13156 | -2.12438 | -2.11721 | -2.11005 | -2.10291 | -2.09577  | -1.7751918   |             |
| -2.02568 | -2.01857 | -2.01147 | -2.00437 | -1.99729 | -1.99023 | -1.98317  | -1.6361873   |             |
| -1.91548 | -1.90844 | -1.90141 | -1.89444 | -1.88749 | -1.88054 | -1.87341  | -1.5014941   |             |
| -1.80301 | -1.80104 | -1.79408 | -1.78713 | -1.7802  | -1.77327 | -1.76636  | -1.5708526   |             |
| -1.67484 | -1.66923 | -1.66363 | -1.65803 | -1.65245 | -1.64687 | -1.64129  | -1.2091766   |             |
| -1.54563 | -1.5413  | -1.53696 | -1.53266 | -1.52834 | -1.52403 | -1.51973  | -1.0545654   |             |
| -1.42015 | -1.41703 | -1.41395 | -1.4108  | -1.40769 | -1.40458 | -1.40147  | -0.8608666   |             |
| -1.2982  | -1.29622 | -1.29425 | -1.29227 | -1.2903  | -1.28833 | -1.28635  | -0.6383004   |             |
| -1.17958 | -1.17868 | -1.17779 | -1.17689 | -1.176   | -1.1751  | -1.17421  | -0.4561592   |             |
| -1.06411 | -1.06424 | -1.06437 | -1.0645  | -1.06463 | -1.06475 | -1.06488  | -0.2671225   |             |
| -0.95164 | -0.95274 | -0.95384 | -0.95494 | -0.95604 | -0.95714 | -0.95824  | -0.0859715   |             |
| -0.842   | -0.84402 | -0.84605 | -0.84808 | -0.8501  | -0.85213 | -0.85416  | 0.08730452   |             |
| -0.73506 | -0.73797 | -0.74087 | -0.74378 | -0.74669 | -0.7496  | -0.75251  | 0.26512523   |             |
| -0.6307  | -0.63444 | -0.63818 | -0.64193 | -0.64568 | -0.64943 | -0.65319  | 0.04161267   |             |
| -0.52878 | -0.53332 | -0.53786 | -0.54241 | -0.54697 | -0.55152 | -0.55609  | 0.51117186   |             |
| -0.4292  | -0.4345  | -0.43981 | -0.44512 | -0.45045 | -0.45578 | -0.46111  | 0.072129328  |             |
| -0.33185 | -0.33788 | -0.34392 | -0.34997 | -0.35603 | -0.36209 | -0.36816  | 0.06614495   |             |
| -0.23664 | -0.24336 | -0.2501  | -0.25685 | -0.26361 | -0.27039 | -0.27717  | 1.00635323   |             |
| -0.14346 | -0.15086 | -0.15827 | -0.16569 | -0.17313 | -0.18058 | -0.18804  | 1.1421759    |             |
| -0.05164 | -0.05941 | -0.06719 | -0.07498 | -0.08277 | -0.09051 | -0.09825  | 1.2020305    |             |
| -0.04042 | -0.04855 | -0.0567  | -0.06485 | -0.07303 | -0.08122 | -0.08942  | 1.25746661   |             |
| 0.010193 | 0.007112 | -0.00679 | -0.0153  | -0.02383 | -0.03238 | -0.04094  | 1.31398462   |             |
| 0.160127 | 0.014001 | 0.042507 | 0.036095 | 0.024815 | 0.015916 | 0.006999  | 1.38971536   |             |
| 0.109692 | 0.100528 | 0.091346 | 0.082144 | 0.072922 | 0.063681 | 0.05442   | 1.42485941   |             |
| 0.158599 | 0.149106 | 0.139692 | 0.130358 | 0.121053 | 0.11026  | 0.101328  | 1.47925343   |             |
| 0.200962 | 0.197146 | 0.187393 | 0.177449 | 0.167567 | 0.157663 | 0.147735  | 1.5209744    |             |
| 0.254791 | 0.244661 | 0.234507 | 0.224329 | 0.214127 | 0.203901 | 0.193652  | 1.56803807   |             |
| 0.3021   | 0.291662 | 0.281197 | 0.270708 | 0.260193 | 0.249653 | 0.239088  | 1.61684354   |             |
| 0.348989 | 0.338159 | 0.327391 | 0.316597 | 0.305776 | 0.294928 | 0.284053  | 1.66926215   |             |
| 0.3952   | 0.384164 | 0.373099 | 0.362006 | 0.350886 | 0.339736 | 0.328558  | 1.71414536   |             |
| 0.441012 | 0.429866 | 0.418531 | 0.407265 | 0.395931 | 0.384687 | 0.373411  | 1.76204738   |             |
| 0.486345 | 0.474737 | 0.463096 | 0.451425 | 0.439723 | 0.427988 | 0.416223  | 1.814205197  |             |
| 0.53121  | 0.519324 | 0.507405 | 0.495454 | 0.483488 | 0.471451 | 0.459399  | 1.861442025  |             |
| 0.576017 | 0.563459 | 0.551126 | 0.53904  | 0.527173 | 0.515493 | 0.5037152 | 1.90940137   |             |
| 0.578259 | 0.562745 | 0.547177 | 0.531552 | 0.51587  | 0.500132 | 0.484336  | 1.96566238   |             |
| 0.580899 | 0.562033 | 0.543983 | 0.52605  | 0.508394 | 0.49073  | 0.466447  | 1.96138954   |             |
| 0.585538 | 0.561319 | 0.538985 | 0.516536 | 0.49397  | 0.471287 | 0.448464  | 1.95813452   |             |
| 0.586176 | 0.560605 | 0.534884 | 0.509009 | 0.482979 | 0.456792 | 0.430446  | 1.95436955   |             |
| 0.588811 | 0.559892 | 0.530778 | 0.501469 | 0.47196  | 0.442249 | 0.412323  | 1.95055367   |             |
| 0.591445 | 0.559178 | 0.526669 | 0.493915 | 0.460912 | 0.427657 | 0.394145  | 1.94681836   |             |
| 0.594077 | 0.558464 | 0.522556 | 0.486348 | 0.449837 | 0.413016 | 0.375879  | 1.94303945   |             |
| 0.596708 | 0.557175 | 0.518439 | 0.478969 | 0.438733 | 0.398324 | 0.357637  | 1.93920377   |             |
| 0.599338 | 0.557035 | 0.514318 | 0.471176 | 0.427601 | 0.383584 | 0.339117  | 1.93547198   |             |
| 0.601965 | 0.556321 | 0.510193 | 0.463569 | 0.416444 | 0.368793 | 0.320618  | 1.93168389   |             |
| 0.604591 | 0.555607 | 0.506564 | 0.45595  | 0.40525  | 0.35392  | 0.30204   | 1.9278925    |             |
| 0.607215 | 0.554893 | 0.501932 | 0.448317 | 0.394032 | 0.339059 | 0.283383  | 1.92400711   |             |
| 0.609836 | 0.554178 | 0.497795 | 0.44067  | 0.382764 | 0.324116 | 0.264645  | 1.92020953   |             |
| 0.612459 | 0.553463 | 0.495935 | 0.43501  | 0.371507 | 0.309121 | 0.245625  | 1.91648462   |             |
| 0.615079 | 0.552748 | 0.48951  | 0.425336 | 0.360202 | 0.294074 | 0.226924  | 1.91269093   |             |
| 0.617691 | 0.552021 | 0.483116 | 0.398969 | 0.330253 | 0.26862  | 0.189393  | 1.9089845    |             |
| 0.620213 | 0.439758 | 0.37598  | 0.31252  | 0.245544 | 0.178827 | 0.111069  | 1.76339803   |             |
| 0.445268 | 0.382141 | 0.318083 | 0.253066 | 0.187906 | 0.120036 | 0.051961  | 1.66876261   |             |
| 0.387156 | 0.32375  | 0.259403 | 0.194089 | 0.127778 | 0.065439 | 0.007096  | 1.61878024   |             |
| 0.328256 | 0.264562 | 0.19992  | 0.134301 | 0.067676 | 1.17E-05 | -0.06872  | 1.52937142   |             |
| 0.268547 | 0.204557 | 0.13961  | 0.073678 | 0.006729 | -0.06127 | -0.13036  | 1.44847388   |             |
| 0.209004 | 0.143711 | 0.078941 | 0.013197 | -0.05568 | -0.12342 | -0.19396  | 1.36640458   |             |
| 0.148606 | 0.082001 | 0.016419 | -0.05017 | -0.11179 | -0.18648 | -0.25628  | 1.28201232   |             |
| 0.084327 | -0.01394 | -0.04651 | -0.11344 | -0.18142 | -0.25047 | -0.32064  | 1.19832955   |             |
| 0.021143 | -0.04411 | -0.11037 | -0.17765 | -0.24599 | -0.31542 | -0.38598  | 1.10891477   |             |
| -0.04297 | -0.10857 | -0.17518 | -0.24282 | -0.31153 | -0.38135 | -0.45231  | 1.01970821   |             |
| -0.10855 | -0.174   | -0.24037 | -0.30898 | -0.37808 | -0.44683 | -0.51596  | 0.92863126   |             |
| -0.17412 | -0.24043 | -0.30777 | -0.37617 | -0.44567 | -0.51629 | -0.58808  | 0.83560294   |             |
| -0.24121 | -0.3079  | -0.37562 | -0.44442 | -0.51432 | -0.58537 | -0.6576   | 0.74052821   |             |
| -0.30705 | -0.37642 | -0.44544 | -0.51375 | -0.58408 | -0.65566 | -0.72824  | 0.64334582   |             |
| -0.38867 | -0.45594 | -0.52427 | -0.59368 | -0.66423 | -0.73594 | -0.80886  | 0.55375409   |             |
| -0.46947 | -0.53634 | -0.60548 | -0.67512 | -0.74589 | -0.81784 | -0.88939  | 0.47167803   |             |
| -0.5516  | -0.61849 | -0.68824 | -0.75811 | -0.82912 | -0.9013  | -0.97477  | 0.40105115   |             |
| -0.63572 | -0.70363 | -0.77262 | -0.84272 | -0.91397 | -0.98641 | -1.06008  | 0.32368033   |             |
| -0.72129 | -0.78943 | -0.85866 | -0.929   | -1.00051 | -1.07321 | -1.14715  | 0.24498428   |             |
| -0.80858 | -0.87696 | -0.94644 | -1.01704 | -1.08881 | -1.16179 | -1.23601  | 0.16467624   |             |
| -0.89767 | -0.9663  | -1.03603 | -1.1069  | -1.17895 | -1.25221 | -1.32673  | 0.08239644   |             |
| -0.98862 | -1.05761 | -1.12751 | -1.19866 | -1.27099 | -1.34455 | -1.41938  | -0.0030718   |             |
| -1.08151 | -1.15068 | -1.22096 | -1.2924  | -1.36503 | -1.4389  | -1.51405  | -0.0853093   |             |
| -1.17644 | -1.24588 | -1.31646 | -1.3882  | -1.46115 | -1.53534 | -1.61083  | -0.1719044   |             |
| -1.27346 | -1.34323 | -1.41411 | -1.48617 | -1.55945 | -1.63398 | -1.70981  | -0.260335    |             |
| -1.37275 | -1.4428  | -1.51401 | -1.5864  | -1.66002 | -1.7349  | -1.81111  | -0.3505668   |             |
| -1.47434 | -1.54472 | -1.61626 | -1.689   | -1.76297 | -1.83823 | -1.91482  | -0.4427131   |             |
| -1.57836 | -1.64908 | -1.72097 | -1.79407 | -1.86843 | -1.94408 | -2.02107  | -0.5368564   |             |
| -1.68493 | -1.75601 | -1.82827 | -1.90176 | -1.97651 | -2.05257 | -2.12999  | -0.6330863   |             |
| -1.79442 | -1.86911 | -1.94597 | -2.02404 | -2.09838 | -2.16987 | -2.24293  | -0.7318765   |             |
| -1.91496 | -1.98524 | -2.05667 | -2.1293  | -2.20317 | -2.27831 | -2.35478  | -0.826009    |             |
| -2.03471 | -2.10455 | -2.17554 | -2.24771 | -2.32109 | -2.39574 | -2.4717   | -0.9257828   |             |
| -2.15785 | -2.22724 | -2.29775 | -2.36943 | -2.44231 | -2.51644 | -2.59185  | -1.0279826   |             |
| -2.28459 | -2.35349 | -2.4235  | -2.49466 | -2.56701 | -2.64058 | -2.71542  | -1.1324811   |             |
| -2.41514 | -2.48353 | -2.55301 | -2.62362 | -2.69539 | -2.76838 | -2.84261  | -1.2399411   |             |
| -2.54974 | -2.61757 | -2.68649 | -2.75652 | -2.82789 | -2.9005  | -2.97364  | -1.3495108   |             |
| -2.68864 | -2.75589 | -2.82421 | -2.89361 | -2.96414 | -3.03584 | -3.10874  | -1.4622334   |             |
| -2.83213 | -2.89876 | -2.96643 | -3.03517 | -3.10502 | -3.17601 | -3.24816  | -1.5779998   |             |
| -2.98052 | -3.04649 | -3.11347 | -3.18151 | -3.25063 | -3.32086 | -3.39225  | -1.6968542   |             |
| -3.13417 | -3.19942 | -3.26567 | -3.33295 | -3.40128 | -3.47071 | -3.54126  | -1.8193961   |             |
| -3.29345 | -3.35793 | -3.42339 | -3.48986 | -3.55735 | -3.62591 | -3.69557  | -1.9448778   |             |
| -3.45879 | -3.52245 | -3.58706 | -3.65265 | -3.71924 | -3.78687 | -3.85556  | -2.0744118   |             |
| -3.63068 | -3.69345 | -3.75714 | -3.82178 | -3.88739 | -3.95402 | -4.02167  | -2.207928    |             |
| -3.80966 | -3.87146 | -3.93415 | -3.99777 | -4.06232 | -4.12786 | -4.19439  | -2.345803    |             |
| -3.98964 | -3.91995 | -3.98214 | -4.04523 | -4.10925 | -4.17423 | -4.24019  | -2.450783    |             |
| -3.96818 | -3.96899 | -4.03036 | -4.0921  | -4.15469 | -4.2171  | -4.28048  | -2.5594933   |             |
| -3.958   | -4.01859 | -4.07972 | -4.14174 | -4.20465 | -4.26848 | -4.33327  | -2.6689424   |             |
| -4.009   | -4.06876 | -4.12936 | -4.19081 | -4.25314 | -4.31639 | -4.38056  | -2.7822741   |             |
| -4.0603  | -4.11952 | -4.17956 | -4.24044 | -4.30219 | -4.36483 | -4.42838  | -2.8986428   |             |
| -4.11221 | -4.17088 | -4.23035 | -4.29065 | -4.35179 | -4.41381 | -4.47673  | -3.0182158   |             |
| -4.16475 | -4.22285 | -4.28174 | -4.34144 | -4.40197 | -4.46336 | -4.52562  | -3.101413    |             |
| -4.21794 | -4.27546 | -4.33375 | -4.39283 | -4.45273 | -4.51347 | -4.57507  | -3.170       |             |

SOG-140-5150MHz Corrected Gain

| Gain-Phi | 0       | 1       | 2       | 3       | 4       | 5       | 6       | 7       | 8       | 9       | 10      | 11      | 12      | 13      | 14      | 15      | 16      | 17      | 18      | 19      | 20      | 21      | 22      | 23      | 24      | 25      | 26      | 27      | 28      | 29      | 30      | 31      | 32      | 33      | 34      | 35      | 36      | 37      | 38      | 39      | 40      | 41      | 42      | 43      | 44      | 45      | 46      | 47      | 48      | 49      | 50      | 51      | 52      | 53      | 54      | 55      | 56      | 57      | 58      | 59      | 60      | 61      | 62      | 63      | 64      | 65      | 66      | 67      | 68      | 69      |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------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----|-----------|-----------|-----------|-----------|
| 0        | 1.27859 | 1.28957 | 1.30091 | 1.31209 | 1.32326 | 1.33438 | 1.34534 | 1.35618 | 1.36745 | 1.37812 | 1.38891 | 1.39974 | 1.41071 | 1.42181 | 1.43304 | 1.44451 | 1.45634 | 1.46852 | 1.48105 | 1.49394 | 1.50720 | 1.52083 | 1.53484 | 1.54924 | 1.56403 | 1.57921 | 1.59478 | 1.61074 | 1.62709 | 1.64384 | 1.66099 | 1.67854 | 1.69649 | 1.71484 | 1.73359 | 1.75274 | 1.77229 | 1.79224 | 1.81259 | 1.83334 | 1.85449 | 1.87604 | 1.89799 | 1.92034 | 1.94309 | 1.96624 | 1.98979 | 2.01374 | 2.03809 | 2.06284 | 2.08799 | 2.11354 | 2.13949 | 2.16584 | 2.19269 | 2.21994 | 2.24769 | 2.27584 | 2.30439 | 2.33334 | 2.36269 | 2.39244 | 2.42269 | 2.45344 | 2.48469 | 2.51644 | 2.54869 | 2.58144 | 2.61469 | 2.64844 | 2.68269 | 2.71744 | 2.75269 | 2.78844 | 2.82469 | 2.86144 | 2.89869 | 2.93644 | 2.97469 | 3.01344 | 3.05269 | 3.09244 | 3.13269 | 3.17344 | 3.21469 | 3.25644 | 3.29869 | 3.34144 | 3.38469 | 3.42844 | 3.47319 | 3.51844 | 3.56469 | 3.61144 | 3.65919 | 3.70744 | 3.75669 | 3.80644 | 3.85769 | 3.90944 | 3.96269 | 4.01744 | 4.07369 | 4.13144 | 4.19069 | 4.25144 | 4.31369 | 4.37744 | 4.44269 | 4.50944 | 4.57769 | 4.64744 | 4.71869 | 4.79144 | 4.86569 | 4.94144 | 5.01869 | 5.09744 | 5.17769 | 5.25944 | 5.34369 | 5.42944 | 5.51669 | 5.60544 | 5.69569 | 5.78744 | 5.88069 | 5.97544 | 6.07169 | 6.16944 | 6.26869 | 6.36944 | 6.47169 | 6.57544 | 6.68069 | 6.78744 | 6.89569 | 6.99544 | 7.09769 | 7.20144 | 7.30669 | 7.41344 | 7.52169 | 7.63144 | 7.74269 | 7.85544 | 7.96969 | 8.08544 | 8.20269 | 8.32144 | 8.44169 | 8.56344 | 8.68669 | 8.81144 | 8.93769 | 9.06544 | 9.19469 | 9.32544 | 9.45769 | 9.59144 | 9.72669 | 9.86344 | 9.99144 | 10.12069 | 10.25144 | 10.38369 | 10.51744 | 10.65269 | 10.78944 | 10.92769 | 11.06644 | 11.20669 | 11.34844 | 11.49169 | 11.63644 | 11.78269 | 11.93044 | 12.07969 | 12.23044 | 12.38269 | 12.53644 | 12.69169 | 12.84844 | 13.00669 | 13.16644 | 13.32769 | 13.49044 | 13.65469 | 13.82044 | 13.98769 | 14.15644 | 14.32769 | 14.50044 | 14.67469 | 14.85044 | 15.02769 | 15.20644 | 15.38669 | 15.56844 | 15.75169 | 15.93644 | 16.12269 | 16.31044 | 16.49969 | 16.69044 | 16.88269 | 17.07644 | 17.27169 | 17.46844 | 17.66669 | 17.86644 | 18.06769 | 18.27044 | 18.47469 | 18.68044 | 18.88769 | 19.09644 | 19.30669 | 19.51844 | 19.73169 | 19.94644 | 20.16269 | 20.38044 | 20.59969 | 20.82044 | 21.04269 | 21.26644 | 21.49169 | 21.71844 | 21.94669 | 22.17644 | 22.40869 | 22.64269 | 22.87844 | 23.11569 | 23.35469 | 23.59544 | 23.83769 | 24.08144 | 24.32669 | 24.57369 | 24.82169 | 25.07144 | 25.32269 | 25.57544 | 25.82969 | 26.08544 | 26.34269 | 26.60144 | 26.86169 | 27.12369 | 27.38744 | 27.65269 | 27.91969 | 28.18844 | 28.45969 | 28.73269 | 29.00744 | 29.28369 | 29.56144 | 29.84169 | 30.12369 | 30.40744 | 30.69369 | 30.98169 | 31.27144 | 31.56369 | 31.85769 | 32.15369 | 32.45169 | 32.75144 | 33.05269 | 33.35544 | 33.65969 | 33.96544 | 34.27269 | 34.58144 | 34.89169 | 35.20369 | 35.51669 | 35.83144 | 36.14769 | 36.46544 | 36.78469 | 37.10544 | 37.42769 | 37.75144 | 38.07669 | 38.40369 | 38.73169 | 39.06144 | 39.39269 | 39.72544 | 40.05969 | 40.39469 | 40.73069 | 41.06769 | 41.40569 | 41.74469 | 42.08469 | 42.42569 | 42.76769 | 43.11069 | 43.45469 | 43.80069 | 44.14769 | 44.49569 | 44.84469 | 45.19469 | 45.54569 | 45.89769 | 46.25069 | 46.60469 | 46.95969 | 47.31569 | 47.67269 | 48.03069 | 48.38969 | 48.75069 | 49.11269 | 49.47569 | 49.83969 | 50.20469 | 50.57069 | 50.93769 | 51.30569 | 51.67469 | 52.04469 | 52.41469 | 52.78569 | 53.15769 | 53.53069 | 53.90469 | 54.27969 | 54.65569 | 55.03169 | 55.40869 | 55.78669 | 56.16569 | 56.54569 | 56.92669 | 57.30869 | 57.69169 | 58.07569 | 58.46069 | 58.84669 | 59.23369 | 59.62169 | 60.01069 | 60.40069 | 60.79169 | 61.18369 | 61.57669 | 61.97069 | 62.36569 | 62.76169 | 63.15869 | 63.55669 | 63.95569 | 64.35569 | 64.75669 | 65.15869 | 65.56169 | 65.96569 | 66.37069 | 66.77669 | 67.18369 | 67.59169 | 67.99969 | 68.40869 | 68.81869 | 69.22969 | 69.64169 | 70.05469 | 70.46869 | 70.88369 | 71.29969 | 71.71669 | 72.13469 | 72.55369 | 72.97369 | 73.39469 | 73.81669 | 74.23969 | 74.66369 | 75.08869 | 75.51469 | 75.94169 | 76.36969 | 76.79869 | 77.22869 | 77.65969 | 78.09169 | 78.52469 | 78.95869 | 79.39369 | 79.82969 | 80.26669 | 80.70469 | 81.14369 | 81.58369 | 82.02469 | 82.46669 | 82.90969 | 83.35369 | 83.79869 | 84.24469 | 84.69169 | 85.13969 | 85.58869 | 86.03869 | 86.48969 | 86.94169 | 87.39469 | 87.85069 | 88.30769 | 88.76569 | 89.22469 | 89.68469 | 90.14469 | 90.60569 | 91.06769 | 91.53069 | 91.99469 | 92.45969 | 92.92569 | 93.39269 | 93.86069 | 94.32969 | 94.79969 | 95.27069 | 95.74269 | 96.21569 | 96.68969 | 97.16469 | 97.64069 | 98.11769 | 98.59569 | 99.07469 | 99.55469 | 100.03569 | 100.51769 | 100.99969 | 101.48269 | 101.96669 | 102.45169 | 102.93769 | 103.42469 | 103.91269 | 104.40169 | 104.89169 | 105.38269 | 105.87469 | 106.36769 | 106.86169 | 107.35669 | 107.85269 | 108.34969 | 108.84769 | 109.34669 | 109.84669 | 110.34769 | 110.84969 | 111.35269 | 111.85669 | 112.36169 | 112.86769 | 113.37469 | 113.88269 | 114.39169 | 114.90169 | 115.41269 | 115.92469 | 116.43769 | 116.95169 | 117.46669 | 117.98269 | 118.49969 | 119.01769 | 119.53669 | 120.05669 | 120.57769 | 121.09969 | 121.62269 | 122.14669 | 122.67169 | 123.19769 | 123.72469 | 124.25269 | 124.78169 | 125.31169 | 125.84169 | 126.37269 | 126.90469 | 127.43769 | 127.97169 | 128.50669 | 129.04269 | 129.57969 | 130.11769 | 130.65669 | 131.19669 | 131.73769 | 132.27969 | 132.82269 | 133.36669 | 133.91169 | 134.45769 | 135.00469 | 135.55269 | 136.10169 | 136.65169 | 137.20269 | 137.75469 | 138.30769 | 138.86169 | 139.41669 | 139.97269 | 140.52969 | 141.08769 | 141.64669 | 142.20669 | 142.76769 | 143.32969 | 143.89269 | 144.45669 | 145.02169 | 145.58769 | 146.15469 | 146.72269 | 147.29169 | 147.86169 | 148.43269 | 149.00469 | 149.57769 | 150.15169 | 150.72669 | 151.30269 | 151.87969 | 152.45769 | 153.03669 | 153.61669 | 154.19769 | 154.77969 | 155.36269 | 155.94669 | 156.53169 | 157.11769 | 157.70469 | 158.29269 | 158.88169 | 159.47169 | 160.06269 | 160.65469 | 161.24769 | 161.84169 | 162.43669 | 163.03269 | 163.62969 | 164.22769 | 164.82669 | 165.42669 | 166.02869 | 166.63269 | 167.23869 | 167.84569 | 168.45369 | 169.06269 | 169.67269 | 170.28369 | 170.89569 | 171.50869 | 172.12269 | 172.73769 | 173.35369 | 173.97069 | 174.58869 | 175.20769 | 175.82769 | 176.44869 | 177.07069 | 177.69369 | 178.31769 | 178.94269 | 179.56869 | 180.19569 | 180.82369 | 181.45269 | 182.08269 | 182.71369 | 183.34569 | 183.97869 | 184.61269 | 185.24769 | 185.88369 | 186.52069 | 187.15869 | 187.79769 | 188.43769 | 189.07869 | 189.72069 | 190.36369 | 190.90769 | 191.55269 | 192.19869 | 192.84569 | 193.49369 | 194.14269 | 194.79269 | 195.44369 | 196.09569 | 196.74869 | 197.40269 | 198.05769 | 198.71369 | 199.37069 | 200.02869 | 200.68769 | 201.34769 | 202.00869 | 202.67069 | 203.33369 | 203.99769 | 204.66269 | 205.32869 | 206.00669 | 206.68669 | 207.36769 | 208.04969 | 208.73269 | 209.41669 | 210.10169 | 210.78769 | 211.47469 | 212.16269 | 212.85169 | 213.54169 | 214.23269 | 214.92469 | 215.61769 | 216.31169 | 217.00669 | 217.70269 | 218.40069 | 219.09969 | 219.80069 | 220.50269 | 221.20569 | 221.90969 | 222.61469 | 223.32069 | 224.02769 | 224.73569 | 225.44469 | 226.15469 | 226.86569 | 227.57769 | 228.29069 | 229.00469 | 229.71969 | 230.43569 | 231.15269 | 231.87069 | 232.58969 | 233.30969 | 234.03069 | 234.75269 | 235.47569 | 236.19969 | 236.92469 | 237.64969 | 238.37569 | 239.10269 | 239.83069 | 240.55869 | 241.28769 | 242.01769 | 242.74869 | 243.48069 | 244.21369 | 244.94769 | 245.68269 | 246.41869 | 247.15569 | 247.89369 | 248.63269 | 249.37269 | 250.11369 | 250.85569 | 251.59869 | 252.34269 | 253.08769 | 253.83369 | 254.58069 | 255.32869 | 256.07769 | 256.82769 | 257.57869 | 258.33069 | 259.08369 | 259.83769 | 260.59269 | 261.34869 | 262.10569 | 262.86369 | 263.62269 | 264.38269 | 265.14369 | 265.90569 | 266.66869 | 267.43269 | 268.19869 | 268.96569 | 269.73369 | 270.50269 | 271.27269 | 272.04369 | 272.81569 | 273.58869 | 274.36269 | 275.13769 | 275.91369 | 276.69069 | 277.46869 | 278.24769 | 279.02769 | 279.80869 | 280.59069 | 281.37369 | 282.15769 | 282.94269 | 283.72869 | 284.51469 | 285.30169 | 286.08969 | 286.87869 | 287.66869 | 288.45969 | 289.25169 | 290.04469 | 290.83869 | 291.63369 | 292.42969 | 293.22669 | 294.02469 | 294.82369 | 295.62369 | 296.42469 | 297.22669 | 298.02969 | 298.83369 | 299.63869 | 300.44469 | 301.25169 | 302.05969 | 302.86869 | 303.67869 | 304.48969 | 305.30169 | 306.11369 | 306.92669 | 307.74069 | 308.55569 | 309.37169 | 310.18869 | 311.00569 | 311.82369 | 312.64169 | 313.46069 | 314.28069 | 315.10169 | 315.92269 | 316.74469 | 317.56769 | 318.39169 | 319.21569 | 320.04069 | 320.86569 | 321.69169 | 322.51769 | 323.34469 | 324.17269 | 324.99969 | 325.82769 | 326.65569 | 327.48369 | 328.31169 | 329.13969 | 330.00069 | 330.86169 | 331.72269 | 332.58469 | 333.44669 | 334.30869 | 335.17069 | 336.03269 | 336.89469 | 337.75669 | 338.61869 | 339.48069 | 340.34269 | 341.20469 | 342.06669 | 342.92869 | 343.79069 | 344.65269 | 345.51469 | 346.37669 | 347.23869 | 348.10069 | 348.96269 | 349.82469 | 350.68669 | 351.54869 | 352.41069 | 353.27269 | 354.13469 | 355.00069 | 355.86169 | 356.72369 | 357.58569 | 358.44769 | 359.30969 | 360.17169 | 361.03369 | 361.89569 | 362.75769 | 363.61969 | 364.48169 | 365.34369 | 366.20569 | 367.06769 | 367.92969 | 368.79169 | 369.65369 | 370.51569 | 371.37769 | 372.23969 | 373.10169 | 373.96369 | 374.82569 | 375.68769 | 376.54969 | 377.41169 | 378.27369 | 379.13569 | 380.00069 | 380.86169 | 381.72369 | 382.58569 | 383.44769 | 384.30969 | 385.17169 | 386.03369 | 386.89569 | 387.75769 | 388.61969 | 389.48169 | 390.34369 | 391.20569 | 392.06769 | 392.92969 | 393.79169 | 394.65369 | 395.51569 | 396.37769 | 397.23969 | 398.10169 | 398.96369 | 399.82569 | 400.68769 | 401.54969 | 402.41169 | 403.27369 | 404.13569 | 405.00069 | 405.86169 | 406.72369 | 407.58569 | 408.44769 | 409.30969 | 410.17169 | 411.03369 | 411.89569 | 412.75769 | 413.61969 | 414.48169 |

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|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----|
| 212     | 213     | 214     | 215     | 216     | 217     | 218     | 219     | 220     | 221     | 222     | 223     | 224     | 225     | 226     | 227     | 228     | 229     | 230     | 231     | 232     | 233     | 234     | 235     | 236     | 237     | 238     | 239     | 240     | 241     | 242     | 243     | 244     | 245     | 246     | 247     | 248     | 249     | 250     | 251     | 252     | 253     | 254     | 255     | 256     | 257     | 258     | 259     | 260     | 261     | 262     | 263     | 264     | 265     | 266     | 267     | 268     | 269     | 270     | 271     | 272     | 273     | 274     | 275     | 276     | 277     | 278     | 279     | 280     | 281     | 282     |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |    |
| 1.15862 | 1.15863 | 1.15864 | 1.15865 | 1.15866 | 1.15867 | 1.15868 | 1.15869 | 1.15870 | 1.15871 | 1.15872 | 1.15873 | 1.15874 | 1.15875 | 1.15876 | 1.15877 | 1.15878 | 1.15879 | 1.15880 | 1.15881 | 1.15882 | 1.15883 | 1.15884 | 1.15885 | 1.15886 | 1.15887 | 1.15888 | 1.15889 | 1.15890 | 1.15891 | 1.15892 | 1.15893 | 1.15894 | 1.15895 | 1.15896 | 1.15897 | 1.15898 | 1.15899 | 1.15900 | 1.15901 | 1.15902 | 1.15903 | 1.15904 | 1.15905 | 1.15906 | 1.15907 | 1.15908 | 1.15909 | 1.15910 | 1.15911 | 1.15912 | 1.15913 | 1.15914 | 1.15915 | 1.15916 | 1.15917 | 1.15918 | 1.15919 | 1.15920 | 1.15921 | 1.15922 | 1.15923 | 1.15924 | 1.15925 | 1.15926 | 1.15927 | 1.15928 | 1.15929 | 1.15930 | 1.15931 | 1.15932 | 1.15933 | 1.15934 | 1.15935 | 1.15936 | 1.15937 | 1.15938 | 1.15939 | 1.15940 | 1.15941 | 1.15942 | 1.15943 | 1.15944 | 1.15945 | 1.15946 | 1.15947 | 1.15948 | 1.15949 | 1.15950 | 1.15951 | 1.15952 | 1.15953 | 1.15954 | 1.15955 | 1.15956 | 1.15957 | 1.15958 | 1.15959 | 1.15960 | 1.15961 | 1.15962 | 1.15963 | 1.15964 | 1.15965 | 1.15966 | 1.15967 | 1.15968 | 1.15969 | 1.15970 | 1.15971 | 1.15972 | 1.15973 | 1.15974 | 1.15975 | 1.15976 | 1.15977 | 1.15978 | 1.15979 | 1.15980 | 1.15981 | 1.15982 | 1.15983 | 1.15984 | 1.15985 | 1.15986 | 1.15987 | 1.15988 | 1.15989 | 1.15990 | 1.15991 | 1.15992 | 1.15993 | 1.15994 | 1.15995 | 1.15996 | 1.15997 | 1.15998 | 1.15999 | 1.16000 | 1.16001 | 1.16002 | 1.16003 | 1.16004 | 1.16005 | 1.16006 | 1.16007 | 1.16008 | 1.16009 | 1.16010 | 1.16011 | 1.16012 | 1.16013 | 1.16014 | 1.16015 | 1.16016 | 1.16017 | 1.16018 | 1.16019 | 1.16020 | 1.16021 | 1.16022 | 1.16023 | 1.16024 | 1.16025 | 1.16026 | 1.16027 | 1.16028 | 1.16029 | 1.16030 | 1.16031 | 1.16032 | 1.16033 | 1.16034 | 1.16035 | 1.16036 | 1.16037 | 1.16038 | 1.16039 | 1.16040 | 1.16041 | 1.16042 | 1.16043 | 1.16044 | 1.16045 | 1.16046 | 1.16047 | 1.16048 | 1.16049 | 1.16050 | 1.16051 | 1.16052 | 1.16053 | 1.16054 | 1.16055 | 1.16056 | 1.16057 | 1.16058 | 1.16059 | 1.16060 | 1.16061 | 1.16062 | 1.16063 | 1.16064 | 1.16065 | 1.16066 | 1.16067 | 1.16068 | 1.16069 | 1.16070 | 1.16071 | 1.16072 | 1.16073 | 1.16074 | 1.16075 | 1.16076 | 1.16077 | 1.16078 | 1.16079 | 1.16080 | 1.16081 | 1.16082 | 1.16083 | 1.16084 | 1.16085 | 1.16086 | 1.16087 | 1.16088 | 1.16089 | 1.16090 | 1.16091 | 1.16092 | 1.16093 | 1.16094 | 1.16095 | 1.16096 | 1.16097 | 1.16098 | 1.16099 | 1.16100 | 1.16101 | 1.16102 | 1.16103 | 1.16104 | 1.16105 | 1.16106 | 1.16107 | 1.16108 | 1.16109 | 1.16110 | 1.16111 | 1.16112 | 1.16113 | 1.16114 | 1.16115 | 1.16116 | 1.16117 | 1.16118 | 1.16119 | 1.16120 | 1.16121 | 1.16122 | 1.16123 | 1.16124 | 1.16125 | 1.16126 | 1.16127 | 1.16128 | 1.16129 | 1.16130 | 1.16131 | 1.16132 | 1.16133 | 1.16134 | 1.16135 | 1.16136 | 1.16137 | 1.16138 | 1.16139 | 1.16140 | 1.16141 | 1.16142 | 1.16143 | 1.16144 | 1.16145 | 1.16146 | 1.16147 | 1.16148 | 1.16149 | 1.16150 | 1.16151 | 1.16152 | 1.16153 | 1.16154 | 1. |

|       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    | 26    | 27    | 28    | 29    | 30    | 31    | 32    | 33    | 34    | 35    | 36    | 37    | 38    | 39    | 40    | 41      | 42    | 43    | 44    | 45    | 46    | 47    | 48    | 49    | 50    | 51    | 52    | 53    | 54    | 55    | 56    | 57    | 58    | 59    | 60    | 61    | 62    | 63    | 64    | 65    | 66    | 67    | 68    | 69    | 70    | 71    | 72    | 73    | 74    | 75    | 76    | 77    | 78    | 79    | 80    | 81    | 82    | 83    | 84    | 85    | 86    | 87    | 88    | 89    | 90    | 91    | 92    | 93    | 94    | 95    | 96    | 97    | 98    | 99    | 100   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 12952 | 12953 | 12954 | 12955 | 12956 | 12957 | 12958 | 12959 | 12960 | 12961 | 12962 | 12963 | 12964 | 12965 | 12966 | 12967 | 12968 | 12969 | 12970 | 12971 | 12972 | 12973 | 12974 | 12975 | 12976 | 12977 | 12978 | 12979 | 12980 | 12981 | 12982 | 12983 | 12984 | 12985 | 12986 | 12987 | 12988 | 12989 | 12990 | 12991 | 12992   | 12993 | 12994 | 12995 | 12996 | 12997 | 12998 | 12999 | 13000 | 13001 | 13002 | 13003 | 13004 | 13005 | 13006 | 13007 | 13008 | 13009 | 13010 | 13011 | 13012 | 13013 | 13014 | 13015 | 13016 | 13017 | 13018 | 13019 | 13020 | 13021 | 13022 | 13023 | 13024 | 13025 | 13026 | 13027 | 13028 | 13029 | 13030 | 13031 | 13032 | 13033 | 13034 | 13035 | 13036 | 13037 | 13038 | 13039 | 13040 | 13041 | 13042 | 13043 | 13044 | 13045 | 13046 | 13047 | 13048 | 13049 | 13050 | 13051 | 13052 | 13053 | 13054 | 13055 | 13056 | 13057 | 13058 | 13059 | 13060 | 13061 | 13062 | 13063 | 13064 | 13065 | 13066 | 13067 | 13068 | 13069 | 13070 | 13071 | 13072 | 13073 | 13074 | 13075 | 13076 | 13077 | 13078 | 13079 | 13080 | 13081 | 13082 | 13083 | 13084 | 13085 | 13086 | 13087 | 13088 | 13089 | 13090 | 13091 | 13092 | 13093 | 13094 | 13095 | 13096 | 13097 | 13098 | 13099 | 13100 |
| 12952 | 12953 | 12954 | 12955 | 12956 | 12957 | 12958 | 12959 | 12960 | 12961 | 12962 | 12963 | 12964 | 12965 | 12966 | 12967 | 12968 | 12969 | 12970 | 12971 | 12972 | 12973 | 12974 | 12975 | 12976 | 12977 | 12978 | 12979 | 12980 | 12981 | 12982 | 12983 | 12984 | 12985 | 12986 | 12987 | 12988 | 12989 | 12990 | 12991 | 12992   | 12993 | 12994 | 12995 | 12996 | 12997 | 12998 | 12999 | 13000 | 13001 | 13002 | 13003 | 13004 | 13005 | 13006 | 13007 | 13008 | 13009 | 13010 | 13011 | 13012 | 13013 | 13014 | 13015 | 13016 | 13017 | 13018 | 13019 | 13020 | 13021 | 13022 | 13023 | 13024 | 13025 | 13026 | 13027 | 13028 | 13029 | 13030 | 13031 | 13032 | 13033 | 13034 | 13035 | 13036 | 13037 | 13038 | 13039 | 13040 | 13041 | 13042 | 13043 | 13044 | 13045 | 13046 | 13047 | 13048 | 13049 | 13050 | 13051 | 13052 | 13053 | 13054 | 13055 | 13056 | 13057 | 13058 | 13059 | 13060 | 13061 | 13062 | 13063 | 13064 | 13065 | 13066 | 13067 | 13068 | 13069 | 13070 | 13071 | 13072 | 13073 | 13074 | 13075 | 13076 | 13077 | 13078 | 13079 | 13080 | 13081 | 13082 | 13083 | 13084 | 13085 | 13086 | 13087 | 13088 | 13089 | 13090 | 13091 | 13092 | 13093 | 13094 | 13095 | 13096 | 13097 | 13098 | 13099 | 13100 |
| 12952 | 12953 | 12954 | 12955 | 12956 | 12957 | 12958 | 12959 | 12960 | 12961 | 12962 | 12963 | 12964 | 12965 | 12966 | 12967 | 12968 | 12969 | 12970 | 12971 | 12972 | 12973 | 12974 | 12975 | 12976 | 12977 | 12978 | 12979 | 12980 | 12981 | 12982 | 12983 | 12984 | 12985 | 12986 | 12987 | 12988 | 12989 | 12990 | 12991 | 12992</ |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |

| 354      | 355      | 356      | 357      | 358      | 359      | 360      | Max Per Line | 5150MHz Max Gain-T | 7930152 |
|----------|----------|----------|----------|----------|----------|----------|--------------|--------------------|---------|
| 1.488965 | 1.453176 | 1.416927 | 1.380204 | 1.342989 | 1.305262 | 1.267006 | 1.84387      |                    |         |
| 1.699319 | 1.665599 | 1.631462 | 1.596895 | 1.561884 | 1.526415 | 1.490471 | 2.03902      |                    |         |
| 1.896664 | 1.864548 | 1.832026 | 1.799085 | 1.765713 | 1.731897 | 1.697621 | 2.211832     |                    |         |
| 2.087174 | 2.051839 | 2.020545 | 1.98982  | 1.95665  | 1.924022 | 1.890919 | 2.607758     |                    |         |
| 2.259844 | 2.228921 | 2.198551 | 2.167717 | 2.136404 | 2.104587 | 2.072277 | 3.027324     |                    |         |
| 2.426175 | 2.396975 | 2.367283 | 2.337708 | 2.306347 | 2.275066 | 2.243213 | 3.443846     |                    |         |
| 2.585641 | 2.556975 | 2.527761 | 2.497976 | 2.467598 | 2.436601 | 2.404958 | 3.820309     |                    |         |
| 2.737024 | 2.707738 | 2.678938 | 2.651297 | 2.621086 | 2.590174 | 2.558525 | 4.164356     |                    |         |
| 2.883989 | 2.855955 | 2.827234 | 2.797792 | 2.767592 | 2.736597 | 2.704761 | 4.481096     |                    |         |
| 3.024109 | 2.996221 | 2.967564 | 2.938098 | 2.907779 | 2.876558 | 2.84432  | 4.774653     |                    |         |
| 3.158879 | 3.131044 | 3.102366 | 3.072764 | 3.042215 | 3.010647 | 2.977793 | 5.048784     |                    |         |
| 3.288727 | 3.260872 | 3.232072 | 3.202267 | 3.171391 | 3.139571 | 3.106124 | 5.305455     |                    |         |
| 3.414033 | 3.386295 | 3.357114 | 3.327026 | 3.295738 | 3.263174 | 3.229231 | 5.547216     |                    |         |
| 3.535134 | 3.507056 | 3.477836 | 3.447339 | 3.415627 | 3.382442 | 3.347711 | 5.775525     |                    |         |
| 3.652325 | 3.624062 | 3.594552 | 3.563898 | 3.531395 | 3.497516 | 3.461917 | 5.991916     |                    |         |
| 3.765872 | 3.737384 | 3.707541 | 3.676532 | 3.644334 | 3.610977 | 3.576517 | 6.197604     |                    |         |
| 3.897728 | 3.873311 | 3.847573 | 3.820408 | 3.791694 | 3.761285 | 3.729015 | 6.235217     |                    |         |
| 4.01994  | 3.998978 | 3.976995 | 3.952986 | 3.927729 | 3.900794 | 3.871981 | 6.26057      |                    |         |
| 4.133777 | 4.115793 | 4.096466 | 4.075696 | 4.053351 | 4.029306 | 4.003582 | 6.282277     |                    |         |
| 4.240244 | 4.224867 | 4.208111 | 4.189872 | 4.170003 | 4.148446 | 4.124956 | 6.312747     |                    |         |
| 4.340156 | 4.323086 | 4.312595 | 4.296567 | 4.278997 | 4.259442 | 4.238039 | 6.328324     |                    |         |
| 4.434179 | 4.423174 | 4.41069  | 4.396627 | 4.380868 | 4.363274 | 4.343684 | 6.339239     |                    |         |
| 4.522871 | 4.513732 | 4.503057 | 4.490747 | 4.476696 | 4.460738 | 4.44274  | 6.345644     |                    |         |
| 4.606897 | 4.59926  | 4.590028 | 4.5795   | 4.566964 | 4.554587 | 4.539902 | 6.347621     |                    |         |
| 4.686052 | 4.680181 | 4.672651 | 4.663367 | 4.652214 | 4.63906  | 4.623745 | 6.345179     |                    |         |
| 4.761275 | 4.758857 | 4.750716 | 4.742757 | 4.732868 | 4.720918 | 4.70675  | 6.338257     |                    |         |
| 4.832654 | 4.829586 | 4.824747 | 4.818017 | 4.809295 | 4.79845  | 4.785326 | 6.33673      |                    |         |
| 4.90044  | 4.896663 | 4.892028 | 4.886445 | 4.880187 | 4.871984 | 4.859822 | 6.314179     |                    |         |
| 4.964649 | 4.960289 | 4.954802 | 4.948167 | 4.940579 | 4.931809 | 4.919537 | 6.322525     |                    |         |
| 5.026068 | 5.020673 | 5.015298 | 5.009106 | 5.001844 | 5.000171 | 4.997752 | 6.457455     |                    |         |
| 5.084258 | 5.080987 | 5.085646 | 5.083154 | 5.078406 | 5.071283 | 5.06163  | 6.588842     |                    |         |
| 5.107488 | 5.119508 | 5.123365 | 5.137006 | 5.142248 | 5.145288 | 5.145687 | 6.53583      |                    |         |
| 5.129252 | 5.151218 | 5.170896 | 5.188247 | 5.203207 | 5.215694 | 5.225603 | 6.518279     |                    |         |
| 5.14969  | 5.18122  | 5.210385 | 5.237065 | 5.261224 | 5.282801 | 5.301715 | 6.52725      |                    |         |
| 5.168575 | 5.209604 | 5.247095 | 5.283622 | 5.318606 | 5.346869 | 5.374335 | 6.53452      |                    |         |
| 5.186262 | 5.236448 | 5.283702 | 5.32806  | 5.369535 | 5.408121 | 5.443783 | 6.539887     |                    |         |
| 5.2027   | 5.261825 | 5.317738 | 5.370505 | 5.420171 | 5.466756 | 5.510252 | 6.767358     |                    |         |
| 5.217191 | 5.285798 | 5.350144 | 5.411071 | 5.468653 | 5.522346 | 5.571966 | 7.007404     |                    |         |
| 5.231995 | 5.308423 | 5.380997 | 5.449856 | 5.515112 | 5.576846 | 5.635111 | 7.230043     |                    |         |
| 5.244953 | 5.329751 | 5.410365 | 5.486951 | 5.559955 | 5.628955 | 5.693952 | 7.437897     |                    |         |
| 5.256752 | 5.349826 | 5.438311 | 5.522435 | 5.602385 | 5.678313 | 5.750335 | 7.633307     |                    |         |
| 5.267502 | 5.368688 | 5.46449  | 5.556381 | 5.643391 | 5.72611  | 5.80469  | 7.817625     |                    |         |
| 5.277197 | 5.386774 | 5.490151 | 5.588953 | 5.682756 | 5.772088 | 5.857037 | 7.712389     |                    |         |
| 5.285858 | 5.402914 | 5.514138 | 5.61991  | 5.720551 | 5.816333 | 5.907482 | 7.879942     |                    |         |
| 5.293501 | 5.418338 | 5.536893 | 5.649604 | 5.756844 | 5.858829 | 5.956121 | 7.744381     |                    |         |
| 5.301041 | 5.42686  | 5.55645  | 5.677985 | 5.791697 | 5.898947 | 6.000941 | 7.800753     |                    |         |
| 5.311767 | 5.340165 | 5.462031 | 5.577847 | 5.688007 | 5.792845 | 5.892641 | 7.838682     |                    |         |
| 5.321341 | 5.245377 | 5.363136 | 5.475046 | 5.581469 | 5.682709 | 5.779022 | 7.930152     |                    |         |
| 5.028997 | 5.148181 | 5.261528 | 5.364268 | 5.471911 | 5.568252 | 5.661979 | 7.793752     |                    |         |
| 4.933737 | 5.008445 | 5.157356 | 5.260825 | 5.339148 | 5.425257 | 5.541289 | 7.713822     |                    |         |
| 4.838336 | 4.946023 | 5.050158 | 5.149055 | 5.242976 | 5.321236 | 5.416703 | 7.722617     |                    |         |
| 4.736357 | 4.840759 | 4.939852 | 5.033913 | 5.12317  | 5.207803 | 5.287949 | 7.737814     |                    |         |
| 4.63365  | 4.732478 | 4.826241 | 4.915178 | 4.99948  | 5.079292 | 5.15472  | 7.748648     |                    |         |
| 4.528051 | 4.620991 | 4.703109 | 4.780694 | 4.87163  | 4.946297 | 5.016674 | 7.75875      |                    |         |
| 4.419381 | 4.506087 | 4.588212 | 4.665915 | 4.73931  | 4.808471 | 4.873427 | 7.768146     |                    |         |
| 4.307441 | 4.385735 | 4.463284 | 4.534806 | 4.602175 | 4.665426 | 4.724546 | 7.776883     |                    |         |
| 4.193013 | 4.265077 | 4.334025 | 4.398933 | 4.459835 | 4.516722 | 4.569537 | 7.784923     |                    |         |
| 4.072855 | 4.138424 | 4.200099 | 4.257909 | 4.311846 | 4.361857 | 4.407835 | 7.792348     |                    |         |
| 3.946995 | 4.007256 | 4.061126 | 4.111295 | 4.157705 | 4.200258 | 4.238791 | 7.799156     |                    |         |
| 3.82223  | 3.871205 | 3.918677 | 3.965897 | 3.998653 | 4.031262 | 4.06165  | 7.80536      |                    |         |
| 3.690118 | 3.72986  | 3.766258 | 3.799209 | 3.828559 | 3.854095 | 3.875527 | 7.810399     |                    |         |
| 3.634469 | 3.671227 | 3.703682 | 3.735862 | 3.765991 | 3.794015 | 3.809921 | 7.780669     |                    |         |
| 3.577792 | 3.611497 | 3.642672 | 3.671251 | 3.697144 | 3.720228 | 3.740342 | 7.709283     |                    |         |
| 3.520039 | 3.55062  | 3.579031 | 3.605204 | 3.629132 | 3.650666 | 3.66971  | 7.723125     |                    |         |
| 3.461157 | 3.488654 | 3.514078 | 3.537744 | 3.559486 | 3.579244 | 3.596939 | 7.730054     |                    |         |
| 3.401094 | 3.425196 | 3.447751 | 3.468737 | 3.488125 | 3.505874 | 3.521934 | 7.740207     |                    |         |
| 3.339788 | 3.360255 | 3.379763 | 3.398124 | 3.41496  | 3.430459 | 3.444408 | 7.750281     |                    |         |
| 3.277174 | 3.294455 | 3.31067  | 3.326818 | 3.339891 | 3.350939 | 3.360786 | 7.758049     |                    |         |
| 3.213182 | 3.226908 | 3.239754 | 3.251726 | 3.262824 | 3.273048 | 3.282395 | 7.682995     |                    |         |
| 3.147732 | 3.1578   | 3.167133 | 3.175741 | 3.183631 | 3.190807 | 3.197214 | 7.635794     |                    |         |
| 3.080739 | 3.087037 | 3.092703 | 3.09775  | 3.102186 | 3.106021 | 3.109262 | 7.567451     |                    |         |
| 3.012109 | 3.014515 | 3.016355 | 3.017625 | 3.018349 | 3.01853  | 3.018179 | 7.507606     |                    |         |
| 2.941736 | 2.94012  | 2.939797 | 2.939224 | 2.939259 | 2.939158 | 2.939024 | 7.44613      |                    |         |
| 2.869502 | 2.863723 | 2.857351 | 2.85039  | 2.84284  | 2.834701 | 2.825972 | 7.382927     |                    |         |
| 2.795279 | 2.78518  | 2.774404 | 2.762944 | 2.750792 | 2.737937 | 2.724367 | 7.317886     |                    |         |
| 2.718917 | 2.704329 | 2.688925 | 2.672686 | 2.655586 | 2.637608 | 2.618717 | 7.250883     |                    |         |
| 2.642103 | 2.628806 | 2.614807 | 2.60009  | 2.584642 | 2.568446 | 2.551482 | 7.149889     |                    |         |
| 2.563606 | 2.551882 | 2.539162 | 2.526036 | 2.512396 | 2.49739  | 2.481927 | 7.049336     |                    |         |
| 2.485338 | 2.472877 | 2.461917 | 2.450453 | 2.438481 | 2.425995 | 2.412883 | 6.938825     |                    |         |
| 2.40121  | 2.389207 | 2.380993 | 2.373266 | 2.363125 | 2.352568 | 2.341591 | 6.826301     |                    |         |
| 2.31712  | 2.308789 | 2.302303 | 2.294303 | 2.284149 | 2.272571 | 2.260586 | 6.714111     |                    |         |
| 2.230958 | 2.225493 | 2.219755 | 2.213745 | 2.207465 | 2.200917 | 2.194101 | 6.595942     |                    |         |
| 2.142605 | 2.139039 | 2.135245 | 2.131224 | 2.12698  | 2.122512 | 2.117823 | 6.47344      |                    |         |
| 2.05193  | 2.050397 | 2.048661 | 2.046704 | 2.044587 | 2.042352 | 2.039719 | 6.346194     |                    |         |
| 1.958789 | 1.959435 | 1.95988  | 1.960125 | 1.960171 | 1.960019 | 1.959669 | 6.213718     |                    |         |
| 1.863021 | 1.866008 | 1.868768 | 1.871258 | 1.873603 | 1.875683 | 1.877537 | 6.07554      |                    |         |
| 1.764452 | 1.769954 | 1.775168 | 1.780095 | 1.784739 | 1.789088 | 1.793175 | 5.930664     |                    |         |
| 1.662882 | 1.671094 | 1.678918 | 1.686357 | 1.693417 | 1.700099 | 1.706407 | 5.77854      |                    |         |
| 1.558931 | 1.569228 | 1.579626 | 1.589897 | 1.599451 | 1.608495 | 1.617033 | 5.618002     |                    |         |
| 1.448936 | 1.464129 | 1.477478 | 1.489508 | 1.500363 | 1.510467 | 1.520035 | 5.447676     |                    |         |
| 1.337831 | 1.355542 | 1.372237 | 1.387951 | 1.402719 | 1.416557 | 1.42953  | 5.265753     |                    |         |
| 1.264566 | 1.282514 | 1.299489 | 1.315528 | 1.330633 | 1.344804 | 1.358335 | 5.173414     |                    |         |
| 1.189695 | 1.207853 | 1.22508  | 1.241412 | 1.25688  | 1.271511 | 1.285332 | 5.078893     |                    |         |
| 1.113128 | 1.131468 | 1.148916 | 1.165506 | 1.181268 | 1.19623  | 1.210417 | 4.981398     |                    |         |
| 1.034771 | 1.053261 | 1.070896 | 1.087705 | 1.103721 | 1.118968 | 1.133471 | 4.882491     |                    |         |
| 0.954519 | 0.973123 | 0.990904 | 1.007893 | 1.024117 | 1.0396   | 1.054367 | 4.780446     |                    |         |
| 0.872254 | 0.890933 | 0.908619 | 0.92594  | 0.942222 | 0.957989 | 0.972662 | 4.675617     |                    |         |
| 0.787949 | 0.806558 | 0.824520 | 0.841703 | 0.858189 | 0.873986 | 0.889097 | 4.567638     |                    |         |
| 0.701158 | 0.719849 | 0.737794 | 0.75502  | 0.77155  | 0.787401 | 0.802593 | 4.456915     |                    |         |
| 0.615021 | 0.633636 | 0.651675 | 0.669122 | 0.685967 | 0.699567 | 0.712849 | 4.343647     |                    |         |
| 0.529255 | 0.54873  | 0.568495 | 0.575372 | 0.589976 | 0.605795 | 0.620834 | 4.224803     |                    |         |
| 0.425654 | 0.443916 | 0.461448 | 0.478364 | 0.494585 | 0.510155 | 0.525087 | 4.10313      |                    |         |
| 0.327978 | 0.345945 | 0.363221 | 0.379822 | 0.395762 | 0.411035 | 0.425703 | 3.977543     |                    |         |
| 0.228955 | 0.24453  | 0.261418 | 0.277631 | 0.29318  | 0.308077 | 0.322327 | 3.84712      |                    |         |
| 0.122263 | 0.139335 | 0.155718 | 0.171422 | 0.186457 | 0.200829 | 0.214543 | 3.712103     |                    |         |
| 0.033526 | 0.039963 | 0.046704 | 0.050758 | 0.053151 | 0.054828 | 0.056152 | 3.571879     |                    |         |
| -0.03328 | -0.01219 | 0.008164 | 0.027807 |          |          |          |              |                    |         |

500-1200-1510MHz Uncorrected Gain

| Gain-Phi | 0       | 1       | 2       | 3       | 4       | 5       | 6        | 7       | 8       | 9       | 10       | 11      | 12       | 13       | 14       | 15       | 16       | 17       | 18       | 19       | 20       | 21       | 22       | 23       | 24       | 25       | 26       | 27      | 28       | 29       | 30       | 31       | 32       | 33      | 34      | 35      | 36      | 37      | 38      | 39      | 40      | 41      | 42      | 43      | 44      | 45      | 46      | 47      | 48      | 49      | 50      | 51      | 52      | 53      | 54      | 55      | 56      | 57      | 58      | 59      | 60      | 61      | 62      | 63      | 64      | 65      | 66      | 67      | 68      | 69      |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |       |       |       |       |       |       |      |     |      |      |      |      |      |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |        |        |        |    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|----------|---------|---------|---------|---------|---------|---------|----------|---------|---------|---------|----------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|----------|----------|----------|----------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| -0.4485  | -4478.9 | -4460.8 | -4460.2 | -4467.8 | -4437.8 | -4424.1 | -4412.87 | -4409.7 | -4399.1 | -4387.7 | -4365.45 | -4356.7 | -4344.13 | -4330.22 | -4318.53 | -4304.88 | -4289.89 | -4268.16 | -4251.42 | -4234.29 | -4218.87 | -4201.89 | -4188.48 | -4169.33 | -4152.88 | -4136.24 | -4104.35 | -4088.3 | -4072.31 | -4051.37 | -4037.48 | -4016.74 | -4000.28 | -427.1  | -425.14 | -423.17 | -421.17 | -419.18 | -417.18 | -415.18 | -413.18 | -411.18 | -409.18 | -407.18 | -405.18 | -403.18 | -401.18 | -399.18 | -397.18 | -395.18 | -393.18 | -391.18 | -389.18 | -387.18 | -385.18 | -383.18 | -381.18 | -379.18 | -377.18 | -375.18 | -373.18 | -371.18 | -369.18 | -367.18 | -365.18 | -363.18 | -361.18 | -359.18 | -357.18 | -355.18 | -353.18 | -351.18 | -349.18 | -347.18 | -345.18 | -343.18 | -341.18 | -339.18 | -337.18 | -335.18 | -333.18 | -331.18 | -329.18 | -327.18 | -325.18 | -323.18 | -321.18 | -319.18 | -317.18 | -315.18 | -313.18 | -311.18 | -309.18 | -307.18 | -305.18 | -303.18 | -301.18 | -299.18 | -297.18 | -295.18 | -293.18 | -291.18 | -289.18 | -287.18 | -285.18 | -283.18 | -281.18 | -279.18 | -277.18 | -275.18 | -273.18 | -271.18 | -269.18 | -267.18 | -265.18 | -263.18 | -261.18 | -259.18 | -257.18 | -255.18 | -253.18 | -251.18 | -249.18 | -247.18 | -245.18 | -243.18 | -241.18 | -239.18 | -237.18 | -235.18 | -233.18 | -231.18 | -229.18 | -227.18 | -225.18 | -223.18 | -221.18 | -219.18 | -217.18 | -215.18 | -213.18 | -211.18 | -209.18 | -207.18 | -205.18 | -203.18 | -201.18 | -199.18 | -197.18 | -195.18 | -193.18 | -191.18 | -189.18 | -187.18 | -185.18 | -183.18 | -181.18 | -179.18 | -177.18 | -175.18 | -173.18 | -171.18 | -169.18 | -167.18 | -165.18 | -163.18 | -161.18 | -159.18 | -157.18 | -155.18 | -153.18 | -151.18 | -149.18 | -147.18 | -145.18 | -143.18 | -141.18 | -139.18 | -137.18 | -135.18 | -133.18 | -131.18 | -129.18 | -127.18 | -125.18 | -123.18 | -121.18 | -119.18 | -117.18 | -115.18 | -113.18 | -111.18 | -109.18 | -107.18 | -105.18 | -103.18 | -101.18 | -99.18  | -97.18  | -95.18  | -93.18  | -91.18  | -89.18  | -87.18  | -85.18  | -83.18  | -81.18  | -79.18  | -77.18  | -75.18  | -73.18  | -71.18  | -69.18  | -67.18  | -65.18  | -63.18  | -61.18  | -59.18  | -57.18  | -55.18  | -53.18  | -51.18  | -49.18  | -47.18  | -45.18  | -43.18  | -41.18  | -39.18  | -37.18  | -35.18  | -33.18  | -31.18  | -29.18  | -27.18  | -25.18  | -23.18  | -21.18  | -19.18  | -17.18  | -15.18  | -13.18  | -11.18  | -9.18   | -7.18   | -5.18   | -3.18   | -1.18   | 0.18    | 1.18    | 2.18    | 3.18    | 4.18    | 5.18    | 6.18    | 7.18    | 8.18    | 9.18    | 10.18   | 11.18   | 12.18   | 13.18   | 14.18   | 15.18   | 16.18   | 17.18   | 18.18   | 19.18   | 20.18   | 21.18   | 22.18   | 23.18   | 24.18   | 25.18   | 26.18   | 27.18   | 28.18   | 29.18   | 30.18   | 31.18   | 32.18   | 33.18   | 34.18   | 35.18   | 36.18   | 37.18   | 38.18   | 39.18   | 40.18   | 41.18   | 42.18   | 43.18   | 44.18   | 45.18   | 46.18   | 47.18   | 48.18   | 49.18   | 50.18   | 51.18   | 52.18   | 53.18   | 54.18   | 55.18   | 56.18   | 57.18   | 58.18   | 59.18   | 60.18   | 61.18   | 62.18   | 63.18   | 64.18   | 65.18   | 66.18   | 67.18   | 68.18   | 69.18   |         |         |         |         |         |         |         |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |  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| -0.4625  | -4620.8 | -4602.8 | -4602.2 | -4610.2 | -4580.2 | -4566.5 | -4555.2  | -4544.0 | -4532.8 | -4521.6 | -4510.4  | -4499.2 | -4488.0  | -4476.8  | -4465.6  | -4454.4  | -4443.2  | -4432.0  | -4420.8  | -4409.6  | -4398.4  | -4387.2  | -4376.0  | -4364.8  | -4353.6  | -4342.4  | -4331.2  | -4320.0 | -4308.8  | -4297.6  | -4286.4  | -4275.2  | -4264.0  | -4252.8 | -4241.6 | -4230.4 | -4219.2 | -4208.0 | -4196.8 | -4185.6 | -4174.4 | -4163.2 | -4152.0 | -4140.8 | -4129.6 | -4118.4 | -4107.2 | -4096.0 | -4084.8 | -4073.6 | -4062.4 | -4051.2 | -4040.0 | -4028.8 | -4017.6 | -4006.4 | -3995.2 | -3984.0 | -3972.8 | -3961.6 | -3950.4 | -3939.2 | -3928.0 | -3916.8 | -3905.6 | -3894.4 | -3883.2 | -3872.0 | -3860.8 | -3849.6 | -3838.4 | -3827.2 | -3816.0 | -3804.8 | -3793.6 | -3782.4 | -3771.2 | -3760.0 | -3748.8 | -3737.6 | -3726.4 | -3715.2 | -3704.0 | -3692.8 | -3681.6 | -3670.4 | -3659.2 | -3648.0 | -3636.8 | -3625.6 | -3614.4 | -3603.2 | -3592.0 | -3580.8 | -3569.6 | -3558.4 | 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-1307.2 | -1296.0 | -1284.8 | -1273.6 | -1262.4 | -1251.2 | -1240.0 | -1228.8 | -1217.6 | -1206.4 | -1195.2 | -1184.0 | -1172.8 | -1161.6 | -1150.4 | -1139.2 | -1128.0 | -1116.8 | -1105.6 | -1094.4 | -1083.2 | -1072.0 | -1060.8 | -1049.6 | -1038.4 | -1027.2 | -1016.0 | -1004.8 | -993.6 | -982.4 | -971.2 | -960.0 | -948.8 | -937.6 | -926.4 | -915.2 | -904.0 | -892.8 | -881.6 | -870.4 | -859.2 | -848.0 | -836.8 | -825.6 | -814.4 | -803.2 | -792.0 | -780.8 | -769.6 | -758.4 | -747.2 | -736.0 | -724.8 | -713.6 | -702.4 | -691.2 | -680.0 | -668.8 | -657.6 | -646.4 | -635.2 | -624.0 | -612.8 | -601.6 | -590.4 | -579.2 | -568.0 | -556.8 | -545.6 | -534.4 | -523.2 | -512.0 | -500.8 | -489.6 | -478.4 | -467.2 | -456.0 | -444.8 | -433.6 | -422.4 | -411.2 | -400.0 | -388.8 | -377.6 | -366.4 | -355.2 | -344.0 | -332.8 | -321.6 | -310.4 | -299.2 | -288.0 | -276.8 | -265.6 | -254.4 | -243.2 | -232.0 | -220.8 | -209.6 | -198.4 | -187.2 | -176.0 | -164.8 | -153.6 | -142.4 | -131.2 | -120.0 | -108.8 | -97.6 | -86.4 | -75.2 | -64.0 | -52.8 | -41.6 | -30.4 | -19.2 | -8.0 | 3.2 | 12.0 | 20.8 | 29.6 | 38.4 | 47.2 | 56.0 | 64.8 | 73.6 | 82.4 | 91.2 | 100.0 | 108.8 | 117.6 | 126.4 | 135.2 | 144.0 | 152.8 | 161.6 | 170.4 | 179.2 | 188.0 | 196.8 | 205.6 | 214.4 | 223.2 | 232.0 | 240.8 | 249.6 | 258.4 | 267.2 | 276.0 | 284.8 | 293.6 | 302.4 | 311.2 | 320.0 | 328.8 | 337.6 | 346.4 | 355.2 | 364.0 | 372.8 | 381.6 | 390.4 | 399.2 | 408.0 | 416.8 | 425.6 | 434.4 | 443.2 | 452.0 | 460.8 | 469.6 | 478.4 | 487.2 | 496.0 | 504.8 | 513.6 | 522.4 | 531.2 | 540.0 | 548.8 | 557.6 | 566.4 | 575.2 | 584.0 | 592.8 | 601.6 | 610.4 | 619.2 | 628.0 | 636.8 | 645.6 | 654.4 | 663.2 | 672.0 | 680.8 | 689.6 | 698.4 | 707.2 | 716.0 | 724.8 | 733.6 | 742.4 | 751.2 | 760.0 | 768.8 | 777.6 | 786.4 | 795.2 | 804.0 | 812.8 | 821.6 | 830.4 | 839.2 | 848.0 | 856.8 | 865.6 | 874.4 | 883.2 | 892.0 | 900.8 | 909.6 | 918.4 | 927.2 | 936.0 | 944.8 | 953.6 | 962.4 | 971.2 | 980.0 | 988.8 | 997.6 | 1006.4 | 1015.2 | 1024.0 | 1032.8 | 1041.6 | 1050.4 | 1059.2 | 1068.0 | 1076.8 | 1085.6 | 1094.4 | 1103.2 | 1112.0 | 1120.8 | 1129.6 | 1138.4 | 1147.2 | 1156.0 | 1164.8 | 1173.6 | 1182.4 | 1191.2 | 1200.0 | 1208.8 | 1217.6 | 1226.4 | 1235.2 | 1244.0 | 1252.8 | 1261.6 | 1270.4 | 1279.2 | 1288.0 | 1296.8 | 1305.6 | 1314.4 | 1323.2 | 1332.0 | 1340.8 | 1349.6 | 1358.4 | 1367.2 | 1376.0 | 1384.8 | 1393.6 | 1402.4 | 1411.2 | 1420.0 | 1428.8 | 1437.6 | 1446.4 | 1455.2 | 1464.0 | 1472.8 | 1481.6 | 1490.4 | 1499.2 | 1508.0 | 1516.8 | 1525.6 | 1534.4 | 1543.2 | 1552.0 | 1560.8 | 1569.6 | 1578.4 | 1587.2 | 1596.0 | 1604.8 | 1613.6 | 1622.4 | 1631.2 | 1640.0 | 1648.8 | 1657.6 | 1666.4 | 1675.2 | 1684.0 | 1692.8 | 1701.6 | 1710.4 | 1719.2 | 1728.0 | 1736.8 | 1745.6 | 1754.4 | 1763.2 | 1772.0 | 1780.8 | 1789.6 | 1798.4 | 1807.2 | 1816.0 | 1824.8 | 1833.6 | 1842.4 | 1851.2 | 1860.0 | 1868.8 | 1877.6 | 1886.4 | 1895.2 | 1904.0 | 1912.8 | 1921.6 | 1930.4 | 1939.2 | 1948.0 | 1956.8 | 1965.6 | 1974.4 | 1983.2 | 1992.0 | 2000.8 | 2009.6 | 2018.4 | 2027.2 | 2036.0 | 2044.8 | 2053.6 | 2062.4 | 2071.2 | 2080.0 | 2088.8 | 2097.6 | 2106.4 | 2115.2 | 2124.0 | 2132.8 | 2141.6 | 2150.4 | 2159.2 | 2168.0 | 2176.8 | 2185.6 | 2194.4 | 2203.2 | 2212.0 | 2220.8 | 2229.6 | 2238.4 | 2247.2 | 2256.0 | 2264.8 | 2273.6 | 2282.4 | 2291.2 | 2300.0 | 2308.8 | 2317.6 | 2326.4 | 2335.2 | 2344.0 | 2352.8 | 2361.6 | 2370.4 | 2379.2 | 2388.0 | 2396.8 | 2405.6 | 2414.4 | 2423.2 | 2432.0 | 2440.8 | 2449.6 | 2458.4 | 2467.2 | 2476.0 | 2484.8 | 2493.6 | 2502.4 | 2511.2 | 2520.0 | 2528.8 | 2537.6 | 2546.4 | 2555.2 | 2564.0 | 2572.8 | 2581.6 | 2590.4 | 2599.2 | 2608.0 | 2616.8 | 2625.6 | 2634.4 | 2643.2 | 2652.0 | 2660.8 | 2669.6 | 2678.4 | 2687.2 | 2696.0 | 2704.8 | 2713.6 | 2722.4 | 2731.2 | 2740.0 | 2748.8 | 2757.6 | 2766.4 | 2775.2 | 2784.0 | 2792.8 | 2801.6 | 2810.4 | 2819.2 | 2828.0 | 2836.8 | 2845.6 | 2854.4 | 2863.2 | 2872.0 | 2880.8 | 2889.6 | 2898.4 | 2907.2 | 2916.0 | 2924.8 | 2933.6 | 2942.4 | 2951.2 | 2960.0 | 2968.8 | 2977.6 | 2986.4 | 2995.2 | 3004.0 | 3012.8 | 3021.6 | 3030.4 | 3039.2 | 3048.0 | 3056.8 | 3065.6 | 3074.4 | 3083.2 | 3092.0 | 3100.8 | 3109.6 | 3118.4 | 3127.2 | 3136.0 | 3144.8 | 3153.6 | 3162.4 | 3171.2 | 3180.0 | 3188.8 | 3197.6 | 3206.4 | 3215.2 | 3224.0 | 3232.8 | 3241.6 | 3250.4 | 3259.2 | 3268.0 | 3276. |

[illegible]

|       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
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|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|

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|       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |      |
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| 283     | 284    | 285    | 286    | 287    | 288    | 289   | 290    | 291    | 292    | 293    | 294    | 295    | 296    | 297    | 298    | 299    | 300    | 301    | 302    | 303    | 304    | 305    | 306    | 307    | 308    | 309    | 310   | 311    | 312    | 313    | 314    | 315    | 316    | 317    | 318     | 319    | 320    | 321    | 322    | 323    | 324    | 325    | 326    | 327    | 328    | 329    | 330    | 331    | 332    | 333    | 334    | 335    | 336    | 337    | 338    | 339    | 340    | 341    | 342    | 343    | 344    | 345    | 346    | 347    | 348    | 349    | 350    | 351    | 352    | 353    |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |   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|     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |      |
| -459523 | -45695 | -45455 | -45405 | -45517 | -45454 | -4546 | -45462 | -45484 | -45466 | -45768 | -45807 | -45742 | -45504 | -45716 | -45728 | -45588 | -45582 | -45312 | -45075 | -44874 | -44816 | -44308 | -44411 | -43925 | -43945 | -43649 | -4344 | -43042 | -42775 | -42576 | -42556 | -42433 | -41957 | -41719 | -416015 | -41447 | -41286 | -41073 | -40986 | -40847 | -40544 | -40378 | -40203 | -39852 | -39693 | -39561 | -39399 | -39277 | -39239 | -39142 | -38974 | -38828 | -38659 | -38564 | -38404 | -38243 | -38088 | -37928 | -37774 | -37618 | -37462 | -37306 | -37150 | -36994 | -36838 | -36682 | -36526 | -36370 | -36214 | -36058 | -35902 | -35746 | -35590 | -35434 | -35278 | -35122 | -34966 | -34810 | -34654 | -34498 | -34342 | -34186 | -34030 | -33874 | -33718 | -33562 | -33406 | -33250 | -33094 | -32938 | -32782 | -32626 | -32470 | -32314 | -32158 | -32002 | -31846 | -31690 | -31534 | -31378 | -31222 | -31066 | -30910 | -30754 | -30598 | -30442 | -30286 | -30130 | -29974 | -29818 | -29662 | -29506 | -29350 | -29194 | -29038 | -28882 | -28726 | -28570 | -28414 | -28258 | -28102 | -27946 | -27790 | -27634 | -27478 | -27322 | -27166 | -27010 | -26854 | -26698 | -26542 | -26386 | -26230 | -26074 | -25918 | -25762 | -25606 | -25450 | -25294 | -25138 | -24982 | -24826 | -24670 | -24514 | -24358 | -24202 | -24046 | -23890 | -23734 | -23578 | -23422 | -23266 | -23110 | -22954 | -22798 | -22642 | -22486 | -22330 | -22174 | -22018 | -21862 | -21706 | -21550 | -21394 | -21238 | -21082 | -20926 | -20770 | -20614 | -20458 | -20302 | -20146 | -19990 | -19834 | -19678 | -19522 | -19366 | -19210 | -19054 | -18898 | -18742 | -18586 | -18430 | -18274 | -18118 | -17962 | -17806 | -17650 | -17494 | -17338 | -17182 | -17026 | -16870 | -16714 | -16558 | -16402 | -16246 | -16090 | -15934 | -15778 | -15622 | -15466 | -15310 | -15154 | -14998 | -14842 | -14686 | -14530 | -14374 | -14218 | -14062 | -13906 | -13750 | -13594 | -13438 | -13282 | -13126 | -12970 | -12814 | -12658 | -12502 | 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| -4.55298 | -4.53677 | -4.52062 | -4.50453 | -4.48851 | -4.47254 | -4.45663 | -0.37294     |                 |
| -4.62144 | -4.60494 | -4.58851 | -4.57214 | -4.55584 | -4.53959 | -4.5234  | -0.47733     |                 |
| -4.69099 | -4.67421 | -4.65748 | -4.64082 | -4.62423 | -4.60769 | -4.59122 | -0.58429     |                 |
| -4.76168 | -4.74459 | -4.72756 | -4.7106  | -4.69371 | -4.67688 | -4.66012 | -0.69395     |                 |
| -4.83354 | -4.81613 | -4.7988  | -4.78153 | -4.76432 | -4.74719 | -4.73013 | -0.80645     |                 |
| -4.90661 | -4.88888 | -4.87121 | -4.85363 | -4.83611 | -4.81866 | -4.80128 | -0.92194     |                 |
| -4.98093 | -4.96296 | -4.94486 | -4.92694 | -4.90909 | -4.89132 | -4.87362 | -1.04059     |                 |
| -5.05654 | -5.03812 | -5.01978 | -5.00152 | -4.98333 | -4.96522 | -4.94718 | -1.16257     |                 |
| -5.13349 | -5.11471 | -5.09601 | -5.0774  | -5.05886 | -5.04032 | -5.02201 | -1.28807     |                 |
| -5.21183 | -5.19268 | -5.17361 | -5.15462 | -5.13572 | -5.11689 | -5.09816 | -1.41731     |                 |
| -5.29161 | -5.27207 | -5.25262 | -5.23325 | -5.21397 | -5.19477 | -5.17566 | -1.55051     |                 |
| -5.37288 | -5.35294 | -5.33309 | -5.31333 | -5.29365 | -5.27407 | -5.25457 | -1.68793     |                 |
| -5.4557  | -5.43534 | -5.41508 | -5.39491 | -5.37483 | -5.35484 | -5.33494 | -1.82984     |                 |
| -5.54014 | -5.51934 | -5.49864 | -5.47805 | -5.45755 | -5.43714 | -5.41683 | -1.97655     |                 |
| -5.62624 | -5.605   | -5.58395 | -5.56291 | -5.54197 | -5.52103 | -5.50029 | -2.12838     |                 |
| -5.68389 | -5.65953 | -5.6353  | -5.6112  | -5.58724 | -5.56341 | -5.53971 | -2.23715     |                 |
| -5.74231 | -5.71475 | -5.68736 | -5.66014 | -5.63309 | -5.6062  | -5.57949 | -2.34871     |                 |
| -5.80153 | -5.77088 | -5.74005 | -5.70903 | -5.67942 | -5.64962 | -5.61963 | -2.46321     |                 |
| -5.86157 | -5.82735 | -5.79339 | -5.75969 | -5.72626 | -5.69308 | -5.66015 | -2.58081     |                 |
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| -6.04683 | -6.00191 | -5.95745 | -5.91344 | -5.86987 | -5.82674 | -5.78403 | -2.95402     |                 |
| -6.11038 | -6.06169 | -6.01355 | -5.96593 | -5.91883 | -5.87222 | -5.82612 | -3.08591     |                 |
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141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211

0.21501 0.22559 0.23203 0.23842 0.24486 0.25121 0.25733 0.26381 0.27061 0.27824 0.28569 0.29289 0.29999 0.30709 0.31419 0.32129 0.32839 0.33549 0.34259 0.34969 0.35679 0.36389 0.37099 0.37809 0.38519 0.39229 0.39939 0.40649 0.41359 0.42069 0.42779 0.43489 0.44199 0.44909 0.45619 0.46329 0.47039 0.47749 0.48459 0.49169 0.49879 0.50589 0.51299 0.52009 0.52719 0.53429 0.54139 0.54849 0.55559 0.56269 0.56979 0.57689 0.58399 0.59109 0.59819 0.60529 0.61239 0.61949 0.62659 0.63369 0.64079 0.64789 0.65499 0.66209 0.66919 0.67629 0.68339 0.69049 0.69759 0.70469 0.71179 0.71889 0.72599 0.73309 0.74019 0.74729 0.75439 0.76149 0.76859 0.77569 0.78279 0.78989 0.79699 0.80409 0.81119 0.81829 0.82539 0.83249 0.83959 0.84669 0.85379 0.86089 0.86799 0.87509 0.88219 0.88929 0.89639 0.90349 0.91059 0.91769 0.92479 0.93189 0.93899 0.94609 0.95319 0.96029 0.96739 0.97449 0.98159 0.98869 0.99579 1.00289 1.00999 1.01709 1.02419 1.03129 1.03839 1.04549 1.05259 1.05969 1.06679 1.07389 1.08099 1.08809 1.09519 1.10229 1.10939 1.11649 1.12359 1.13069 1.13779 1.14489 1.15199 1.15909 1.16619 1.17329 1.18039 1.18749 1.19459 1.20169 1.20879 1.21589 1.22299 1.23009 1.23719 1.24429 1.25139 1.25849 1.26559 1.27269 1.27979 1.28689 1.29399 1.30109 1.30819 1.31529 1.32239 1.32949 1.33659 1.34369 1.35079 1.35789 1.36499 1.37209 1.37919 1.38629 1.39339 1.40049 1.40759 1.41469 1.42179 1.42889 1.43599 1.44309 1.45019 1.45729 1.46439 1.47149 1.47859 1.48569 1.49279 1.50009 1.50719 1.51429 1.52139 1.52849 1.53559 1.54269 1.54979 1.55689 1.56399 1.57109 1.57819 1.58529 1.59239 1.59949 1.60659 1.61369 1.62079 1.62789 1.63499 1.64209 1.64919 1.65629 1.66339 1.67049 1.67759 1.68469 1.69179 1.69889 1.70599 1.71309 1.72019 1.72729 1.73439 1.74149 1.74859 1.75569 1.76279 1.76989 1.77699 1.78409 1.79119 1.79829 1.80539 1.81249 1.81959 1.82669 1.83379 1.84089 1.84799 1.85509 1.86219 1.86929 1.87639 1.88349 1.89059 1.89769 1.90479 1.91189 1.91899 1.92609 1.93319 1.94029 1.94739 1.95449 1.96159 1.96869 1.97579 1.98289 1.98999 1.99709 2.00419 2.01129 2.01839 2.02549 2.03259 2.03969 2.04679 2.05389 2.06099 2.06809 2.07519 2.08229 2.08939 2.09649 2.10359 2.11069 2.11779 2.12489 2.13199 2.13909 2.14619 2.15329 2.16039 2.16749 2.17459 2.18169 2.18879 2.19589 2.20299 2.21009 2.21719 2.22429 2.23139 2.23849 2.24559 2.25269 2.25979 2.26689 2.27399 2.28109 2.28819 2.29529 2.30239 2.30949 2.31659 2.32369 2.33079 2.33789 2.34499 2.35209 2.35919 2.36629 2.37339 2.38049 2.38759 2.39469 2.40179 2.40889 2.41599 2.42309 2.43019 2.43729 2.44439 2.45149 2.45859 2.46569 2.47279 2.47989 2.48699 2.49409 2.50119 2.50829 2.51539 2.52249 2.52959 2.53669 2.54379 2.55089 2.55799 2.56509 2.57219 2.57929 2.58639 2.59349 2.60059 2.60769 2.61479 2.62189 2.62899 2.63609 2.64319 2.65029 2.65739 2.66449 2.67159 2.67869 2.68579 2.69289 2.70009 2.70719 2.71429 2.72139 2.72849 2.73559 2.74269 2.74979 2.75689 2.76399 2.77109 2.77819 2.78529 2.79239 2.79949 2.80659 2.81369 2.82079 2.82789 2.83499 2.84209 2.84919 2.85629 2.86339 2.87049 2.87759 2.88469 2.89179 2.89889 2.90599 2.91309 2.92019 2.92729 2.93439 2.94149 2.94859 2.95569 2.96279 2.96989 2.97699 2.98409 2.99119 2.99829 3.00539 3.01249 3.01959 3.02669 3.03379 3.04089 3.04799 3.05509 3.06219 3.06929 3.07639 3.08349 3.09059 3.09769 3.10479 3.11189 3.11899 3.12609 3.13319 3.14029 3.14739 3.15449 3.16159 3.16869 3.17579 3.18289 3.18999 3.19709 3.20419 3.21129 3.21839 3.22549 3.23259 3.23969 3.24679 3.25389 3.26099 3.26809 3.27519 3.28229 3.28939 3.29649 3.30359 3.31069 3.31779 3.32489 3.33199 3.33909 3.34619 3.35329 3.36039 3.36749 3.37459 3.38169 3.38879 3.39589 3.40299 3.41009 3.41719 3.42429 3.43139 3.43849 3.44559 3.45269 3.45979 3.46689 3.47399 3.48109 3.48819 3.49529 3.50239 3.50949 3.51659 3.52369 3.53079 3.53789 3.54499 3.55209 3.55919 3.56629 3.57339 3.58049 3.58759 3.59469 3.60179 3.60889 3.61599 3.62309 3.63019 3.63729 3.64439 3.65149 3.65859 3.66569 3.67279 3.67989 3.68699 3.69409 3.70119 3.70829 3.71539 3.72249 3.72959 3.73669 3.74379 3.75089 3.75799 3.76509 3.77219 3.77929 3.78639 3.79349 3.80059 3.80769 3.81479 3.82189 3.82899 3.83609 3.84319 3.85029 3.85739 3.86449 3.87159 3.87869 3.88579 3.89289 3.90009 3.90719 3.91429 3.92139 3.92849 3.93559 3.94269 3.94979 3.95689 3.96399 3.97109 3.97819 3.98529 3.99239 4.00009 4.00719 4.01429 4.02139 4.02849 4.03559 4.04269 4.04979 4.05689 4.06399 4.07109 4.07819 4.08529 4.09239 4.09949 4.10659 4.11369 4.12079 4.12789 4.13499 4.14209 4.14919 4.15629 4.16339 4.17049 4.17759 4.18469 4.19179 4.19889 4.20599 4.21309 4.22019 4.22729 4.23439 4.24149 4.24859 4.25569 4.26279 4.26989 4.27699 4.28409 4.29119 4.29829 4.30539 4.31249 4.31959 4.32669 4.33379 4.34089 4.34799 4.35509 4.36219 4.36929 4.37639 4.38349 4.39059 4.39769 4.40479 4.41189 4.41899 4.42609 4.43319 4.44029 4.44739 4.45449 4.46159 4.46869 4.47579 4.48289 4.48999 4.49709 4.50419 4.51129 4.51839 4.52549 4.53259 4.53969 4.54679 4.55389 4.56099 4.56809 4.57519 4.58229 4.58939 4.59649 4.60359 4.61069 4.61779 4.62489 4.63199 4.63909 4.64619 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5.54079 5.54789 5.55499 5.56209 5.56919 5.57629 5.58339 5.59049 5.59759 5.60469 5.61179 5.61889 5.62599 5.63309 5.64019 5.64729 5.65439 5.66149 5.66859 5.67569 5.68279 5.68989 5.69699 5.70409 5.71119 5.71829 5.72539 5.73249 5.73959 5.74669 5.75379 5.76089 5.76799 5.77509 5.78219 5.78929 5.79639 5.80349 5.81059 5.81769 5.82479 5.83189 5.83899 5.84609 5.85319 5.86029 5.86739 5.87449 5.88159 5.88869 5.89579 5.90289 5.90999 5.91709 5.92419 5.93129 5.93839 5.94549 5.95259 5.95969 5.96679 5.97389 5.98099 5.98809 5.99519 6.00229 6.00939 6.01649 6.02359 6.03069 6.03779 6.04489 6.05199 6.05909 6.06619 6.07329 6.08039 6.08749 6.09459 6.10169 6.10879 6.11589 6.12299 6.13009 6.13719 6.14429 6.15139 6.15849 6.16559 6.17269 6.17979 6.18689 6.19399 6.20109 6.20819 6.21529 6.22239 6.22949 6.23659 6.24369 6.25079 6.25789 6.26499 6.27209 6.27919 6.28629 6.29339 6.30049 6.30759 6.31469 6.32179 6.32889 6.33599 6.34309 6.35019 6.35729 6.36439 6.37149 6.37859 6.38569 6.39279 6.40009 6.40719 6.41429 6.42139 6.42849 6.43559 6.44269 6.44979 6.45689 6.46399 6.47109 6.47819 6.48529 6.49239 6.49949 6.50659 6.51369 6.52079 6.52789 6.53499 6.54209 6.54919 6.55629 6.56339 6.57049 6.57759 6.58469 6.59179 6.59889 6.60599 6.61309 6.62019 6.62729 6.63439 6.64149 6.64859 6.65569 6.66279 6.66989 6.67699 6.68409 6.69119 6.69829 6.70539 6.71249 6.71959 6.72669 6.73379 6.74089 6.74799 6.75509 6.76219 6.76929 6.77639 6.78349 6.79059 6.79769 6.80479 6.81189 6.81899 6.82609 6.83319 6.84029 6.84739 6.85449 6.86159 6.86869 6.87579 6.88289 6.88999 6.89709 6.90419 6.91129 6.91839 6.92549 6.93259 6.93969 6.94679 6.95389 6.96099 6.96809 6.97519 6.98229 6.98939 6.99649 7.00359 7.01069 7.01779 7.02489 7.03199 7.03909 7.04619 7.05329 7.06039 7.06749 7.07459 7.08169 7.08879 7.09589 7.10299 7.11009 7.11719 7.12429 7.13139 7.13849 7.14559 7.15269 7.15979 7.16689 7.17399 7.18109 7.18819 7.19529 7.20239 7.20949 7.21659 7.22369 7.23079 7.23789 7.24499 7.25209 7.25919 7.26629 7.27339 7.28049 7.28759 7.29469 7.30179 7.30889 7.31599 7.32309 7.33019 7.33729 7.34439 7.35149 7.35859 7.36569 7.37279 7.37989 7.38699 7.39409 7.40119 7.40829 7.41539 7.42249 7.42959 7.43669 7.44379 7.45089 7.45799 7.46509 7.47219 7.47929 7.48639 7.49349 7.50059 7.50769 7.51479 7.52189 7.52899 7.53609 7.54319 7.55029 7.55739 7.56449 7.57159 7.57869 7.58579 7.59289 7.60009 7.60719 7.61429 7.62139 7.62849 7.63559 7.64269 7.64979 7.65689 7.66399 7.67109 7.67819 7.68529 7.69239 7.69949 7.70659 7.71369 7.72079 7.72789 7.73499 7.74209 7.74919 7.75629 7.76339 7.77049 7.77759 7.78469 7.79179 7.79889 7.80599 7.81309 7.82019 7.82729 7.83439 7.84149 7.84859 7.85569 7.86279 7.86989 7.87699 7.88409 7.89119 7.89829 7.90539 7.91249 7.91959 7.92669 7.93379 7.94089 7.94799 7.95509 7.96219 7.96929 7.97639 7.98349 7.99059 8.00009 8.00719 8.01429 8.02139 8.02849 8.03559 8.04269 8.04979 8.05689 8.06399 8.07109 8.07819 8.08529 8.09239 8.09949 8.10659 8.11369 8.12079 8.12789 8.13499 8.14209 8.14919 8.15629 8.16339 8.17049 8.17759 8.18469 8.19179 8.19889 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9.09949 9.10659 9.11369 9.12079 9.12789 9.13499 9.14209 9.14919 9.15629 9.16339 9.17049 9.17759 9.18469 9.19179 9.19889 9.20599 9.21309 9.22019 9.22729 9.23439 9.24149 9.24859 9.25569 9.26279 9.26989 9.27699 9.28409 9.29119 9.29829 9.30539 9.31249 9.31959 9.32669 9.33379 9.34089 9.34799 9.35509 9.36219 9.36929 9.37639 9.38349 9.39059 9.39769 9.40479 9.41189 9.41899 9.42609 9.43319 9.44029 9.44739 9.45449 9.46159 9.46869 9.47579 9.48289 9.48999 9.49709 9.50419 9.51129 9.51839 9.52549 9.53259 9.53969 9.54679 9.55389 9.56099 9.56809 9.57519 9.58229 9.58939 9.59649 9.60359 9.61069 9.61779 9.62489 9.63199 9.63909 9.64619 9.65329 9.66039 9.66749 9.67459 9.68169 9.68879 9.69589 9.70299 9.71009 9.71719 9.72429 9.73139 9.73849 9.74559 9.75269 9.75979 9.76689 9.77399 9.78109 9.78819 9.79529 9.80239 9.80949 9.81659 9.82369 9.83079 9.83789 9.84499 9.85209 9.85919 9.86629 9.87339 9.88049 9.88759 9.89469 9.90179 9.90889 9.91599 9.92309 9.93019 9.93729 9.94439 9.95149 9.95859 9.96569 9.97279 9.97989 9.98699 9.99409 10.00119 10.00829 10.01539 10.02249 10.02959 10.03669 10.04379 10.05089 10.05799 10.06509 10.07219 10.07929 10.08639 10.09349 10.10059 10.10769 10.11479 10.12189 10.12899 10.13609 10.14319 10.15029 10.15739 10.16449 10.17159 10.17869 10.18579 10.19289 10.20009 10.20719 10.21429 10.22139 10.22849 10.23559 10.24269 10.24979 10.25689 10.26399 10.27109 10.27819 10.28529 10.29239 10.30009 10.30719 10.31429 10.32139 10.32849 10.33559 10.34269 10.34979 10.35689 10.36399 10.37109 10.37819 10.38529 10.39239 10.40009 10.40719 10.41429 10.42139 10.42849 10.43559 10.44269 10.44979 10.45689 10.46399 10.47109 10.47819 10.48529 10.49239 10.50009 10.50719 10.51429 10.52139 10.52849 10.53559 10.54269 10.54979 10.55689 10.56399 10.57109 10.57819 10.58529 10.59239 10.60009 10.60719 10.61429 10.62139 10.62849 10.63559 10.64269 10.64979 10.65689 10.66399 10.67109 10.67819 10.68529 10.69239 10.70009 10.70719 10.71429 10.72139 10.72849 10.73559 10.74269 10.74979 10.75689 10.76399 10.77109 10.77819 10.78529 10.79239 10.80009 10.80719 10.81429 10.82139 10.82849 1

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|         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 283     | 284     | 285     | 286     | 287     | 288     | 289     | 290     | 291     | 292     | 293     | 294     | 295     | 296     | 297     | 298     | 299     | 300     | 301     | 302     | 303     | 304     | 305     | 306     | 307     | 308     | 309     | 310     | 311     | 312     | 313     | 314     | 315     | 316     | 317     | 318     | 319     | 320     | 321     | 322     | 323     | 324     | 325     | 326     | 327     | 328     | 329     | 330     | 331     | 332     | 333     | 334     | 335     | 336     | 337     | 338     | 339     | 340     | 341     | 342     | 343     | 344     | 345     | 346     | 347     | 348     | 349     | 350     | 351     | 352     | 353     |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| 0.35277 | 0.05139 | 0.26240 | 0.36194 | 0.32088 | 0.02702 | 0.29386 | 0.07409 | 0.26561 | 0.23671 | 0.02672 | 0.04030 | 0.19237 | 0.13716 | 0.16284 | 0.14375 | 0.13304 | 0.13618 | 0.13924 | 0.14243 | 0.14515 | 0.14787 | 0.15070 | 0.15341 | 0.15606 | 0.15882 | 0.16168 | 0.16349 | 0.16579 | 0.16804 | 0.17023 | 0.17261 | 0.17514 | 0.17800 | 0.18095 | 0.18361 | 0.18619 | 0.18894 | 0.19181 | 0.19485 | 0.19799 | 0.20129 | 0.20469 | 0.20819 | 0.21171 | 0.21534 | 0.21907 | 0.22289 | 0.22679 | 0.23069 | 0.23459 | 0.23849 | 0.24239 | 0.24629 | 0.25019 | 0.25409 | 0.25799 | 0.26189 | 0.26579 | 0.26969 | 0.27359 | 0.27749 | 0.28139 | 0.28529 | 0.28919 | 0.29309 | 0.29699 | 0.30089 | 0.30479 | 0.30869 | 0.31259 | 0.31649 | 0.32039 | 0.32429 | 0.32819 | 0.33209 | 0.33599 | 0.33989 | 0.34379 | 0.34769 | 0.35159 | 0.35549 | 0.35939 | 0.36329 | 0.36719 | 0.37109 | 0.37499 | 0.37889 | 0.38279 | 0.38669 | 0.39059 | 0.39449 | 0.39839 | 0.40229 | 0.40619 | 0.41009 | 0.41399 | 0.41789 | 0.42179 | 0.42569 | 0.42959 | 0.43349 | 0.43739 | 0.44129 | 0.44519 | 0.44909 | 0.45299 | 0.45689 | 0.46079 | 0.46469 | 0.46859 | 0.47249 | 0.47639 | 0.48029 | 0.48419 | 0.48809 | 0.49199 | 0.49589 | 0.49979 | 0.50369 | 0.50759 | 0.51149 | 0.51539 | 0.51929 | 0.52319 | 0.52709 | 0.53099 | 0.53489 | 0.53879 | 0.54269 | 0.54659 | 0.55049 | 0.55439 | 0.55829 | 0.56219 | 0.56609 | 0.56999 | 0.57389 | 0.57779 | 0.58169 | 0.58559 | 0.58949 | 0.59339 | 0.59729 | 0.60119 | 0.60509 | 0.60899 | 0.61289 | 0.61679 | 0.62069 | 0.62459 | 0.62849 | 0.63239 | 0.63629 | 0.64019 | 0.64409 | 0.64799 | 0.65189 | 0.65579 | 0.65969 | 0.66359 | 0.66749 | 0.67139 | 0.67529 | 0.67919 | 0.68309 | 0.68699 | 0.69089 | 0.69479 | 0.69869 | 0.70259 | 0.70649 | 0.71039 | 0.71429 | 0.71819 | 0.72209 | 0.72599 | 0.72989 | 0.73379 | 0.73769 | 0.74159 | 0.74549 | 0.74939 | 0.75329 | 0.75719 | 0.76109 | 0.76499 | 0.76889 | 0.77279 | 0.77669 | 0.78059 | 0.78449 | 0.78839 | 0.79229 | 0.79619 | 0.79999 | 0.80389 | 0.80779 | 0.81169 | 0.81559 | 0.81949 | 0.82339 | 0.82729 | 0.83119 | 0.83509 | 0.83899 | 0.84289 | 0.84679 | 0.85069 | 0.85459 | 0.85849 | 0.86239 | 0.86629 | 0.87019 | 0.87409 | 0.87799 | 0.88189 | 0.88579 | 0.88969 | 0.89359 | 0.89749 | 0.90139 | 0.90529 | 0.90919 | 0.91309 | 0.91699 | 0.92089 | 0.92479 | 0.92869 | 0.93259 | 0.93649 | 0.94039 | 0.94429 | 0.94819 | 0.95209 | 0.95599 | 0.95989 | 0.96379 | 0.96769 | 0.97159 | 0.97549 | 0.97939 | 0.98329 | 0.98719 | 0.99109 | 0.99499 | 0.99889 | 1.00279 | 1.00669 | 1.01059 | 1.01449 | 1.01839 | 1.02229 | 1.02619 | 1.03009 | 1.03399 | 1.03789 | 1.04179 | 1.04569 | 1.04959 | 1.05349 | 1.05739 | 1.06129 | 1.06519 | 1.06909 | 1.07299 | 1.07689 | 1.08079 | 1.08469 | 1.08859 | 1.09249 | 1.09639 | 1.09999 | 1.10389 | 1.10779 | 1.11169 | 1.11559 | 1.11949 | 1.12339 | 1.12729 | 1.13119 | 1.13509 | 1.13899 | 1.14289 | 1.14679 | 1.15069 | 1.15459 | 1.15849 | 1.16239 | 1.16629 | 1.17019 | 1.17409 | 1.17799 | 1.18189 | 1.18579 | 1.18969 | 1.19359 | 1.19749 | 1.20139 | 1.20529 | 1.20919 | 1.21309 | 1.21699 | 1.22089 | 1.22479 | 1.22869 | 1.23259 | 1.23649 | 1.24039 | 1.24429 | 1.24819 | 1.25209 | 1.25599 | 1.25989 | 1.26379 | 1.26769 | 1.27159 | 1.27549 | 1.27939 | 1.28329 | 1.28719 | 1.29109 | 1.29499 | 1.29889 | 1.30279 | 1.30669 | 1.31059 | 1.31449 | 1.31839 | 1.32229 | 1.32619 | 1.33009 | 1.33399 | 1.33789 | 1.34179 | 1.34569 | 1.34959 | 1.35349 | 1.35739 | 1.36129 | 1.36519 | 1.36909 | 1.37299 | 1.37689 | 1.38079 | 1.38469 | 1.38859 | 1.39249 | 1.39639 | 1.39999 | 1.40389 | 1.40779 | 1.41169 | 1.41559 | 1.41949 | 1.42339 | 1.42729 | 1.43119 | 1.43509 | 1.43899 | 1.44289 | 1.44679 | 1.45069 | 1.45459 | 1.45849 | 1.46239 | 1.46629 | 1.47019 | 1.47409 | 1.47799 | 1.48189 | 1.48579 | 1.48969 | 1.49359 | 1.49749 | 1.50139 | 1.50529 | 1.50919 | 1.51309 | 1.51699 | 1.52089 | 1.52479 | 1.52869 | 1.53259 | 1.53649 | 1.54039 | 1.54429 | 1.54819 | 1.55209 | 1.55599 | 1.55989 | 1.56379 | 1.56769 | 1.57159 | 1.57549 | 1.57939 | 1.58329 | 1.58719 | 1.59109 | 1.59499 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