



| Genetic Algorithm | | binario | | 12.0 |
|-------------------|----------------|-----------|------------|--------|
| Primeiro melhor | Melhor Solução | Encontrou | Tempo (ns) | |
| 4 | 12,000000 | 1 | 120562368 | null |
| 6 | 12,000000 | 1 | 48209717 | null |
| 4 | 12,000000 | 1 | 34832500 | null |
| 7 | 12,000000 | 1 | 32232200 | null |
| 20 | 12,000000 | 1 | 41505711 | null |
| 7 | 12,000000 | 1 | 53446155 | null |
| 5 | 12,000000 | 1 | 35262524 | null |
| 2 | 12,000000 | 1 | 29607261 | null |
| 4 | 12,000000 | 1 | 31174498 | null |
| 20 | 12,000000 | 1 | 26624531 | null |
| 6,220129 | 0,000000 | | 26323521 | Desvio |
| 7,900000 | 12,000000 | 100.0 | 45345746 | Média |
| Genetic Algorithm | | binario | | 108.0 |
| Primeiro melhor | Melhor Solução | Encontrou | Tempo (ns) | |
| 95 | 89,000000 | 0 | 142829546 | null |
| 94 | 91,000000 | 0 | 123124595 | null |
| 98 | 87,000000 | 0 | 116080712 | null |
| 97 | 87,000000 | 0 | 115385283 | null |
| 99 | 87,000000 | 0 | 116342198 | null |
| 87 | 85,000000 | 0 | 128978072 | null |
| 99 | 91,000000 | 0 | 128940557 | null |
| 80 | 90,000000 | 0 | 112312963 | null |
| 97 | 92,000000 | 0 | 109371107 | null |
| 99 | 87,000000 | 0 | 112499419 | null |

| | | | | |
|---------------------------------|----------------|-----------|------------|-----------|
| 5,937171 | 2,200000 | | 9830615 | Desvio |
| 94,500000 | 88,600000 | 0.0 | 120586445 | Média |
| Genetic Algorithm | | binario | | 1200.0 |
| Primeiro melhor | Melhor Solução | Encontrou | Tempo (ns) | |
| 99 | 712,000000 | 0 | 1662375199 | null |
| 98 | 707,000000 | 0 | 1810264806 | null |
| 89 | 713,000000 | 0 | 1710804968 | null |
| 98 | 699,000000 | 0 | 1569220139 | null |
| 99 | 700,000000 | 0 | 1639544175 | null |
| 98 | 720,000000 | 0 | 1650581457 | null |
| 98 | 678,000000 | 0 | 1600908650 | null |
| 98 | 708,000000 | 0 | 1757363460 | null |
| 100 | 725,000000 | 0 | 1769434927 | null |
| 98 | 713,000000 | 0 | 1611209627 | null |
| 2,906888 | 12,419742 | | 76118728 | Desvio |
| 97,500000 | 707,500000 | 0.0 | 1678170740 | Média |
| Iterated Hill Climbing Standard | | binario | | 12.0 |
| Primeiro melhor | Melhor Solução | Encontrou | Tempo (ns) | |
| 390 | 10,000000 | 0 | 8037753 | 7,000000 |
| 160 | 11,000000 | 0 | 7087556 | 7,000000 |
| 100 | 10,000000 | 0 | 5593671 | 9,000000 |
| 1040 | 11,000000 | 0 | 5415614 | 9,000000 |
| 3880 | 11,000000 | 0 | 3981081 | 6,000000 |
| 1784 | 11,000000 | 0 | 4613239 | 5,000000 |
| 430 | 10,000000 | 0 | 5639025 | 4,000000 |
| 2710 | 11,000000 | 0 | 14924295 | 9,000000 |
| 1160 | 11,000000 | 0 | 4597561 | 10,000000 |
| 2680 | 11,000000 | 0 | 5102055 | 7,000000 |
| 1225,438713 | 0,458258 | | 3031428 | Desvio |
| 1433,400000 | 10,700000 | 0.0 | 6499185 | Média |

| Iterated Hill Climbing Standard | | binario | | 108.0 |
|---------------------------------|----------------|-----------|------------|------------|
| Primeiro melhor | Melhor Solução | Encontrou | Tempo (ns) | |
| 810 | 69,000000 | 0 | 11949402 | 56,000000 |
| 2240 | 69,000000 | 0 | 15363278 | 49,000000 |
| 690 | 72,000000 | 0 | 12568122 | 49,000000 |
| 2150 | 69,000000 | 0 | 12138098 | 47,000000 |
| 4200 | 68,000000 | 0 | 11544575 | 58,000000 |
| 4210 | 71,000000 | 0 | 11825659 | 56,000000 |
| 260 | 70,000000 | 0 | 14233345 | 56,000000 |
| 280 | 67,000000 | 0 | 20606994 | 51,000000 |
| 1850 | 70,000000 | 0 | 11934844 | 55,000000 |
| 2010 | 70,000000 | 0 | 12353111 | 51,000000 |
| 1370,255451 | 1,360147 | | 2646041 | Desvio |
| 1870,000000 | 69,500000 | 0.0 | 13451742 | Média |
| Iterated Hill Climbing Standard | | binario | | 1200.0 |
| Primeiro melhor | Melhor Solução | Encontrou | Tempo (ns) | |
| 4270 | 641,000000 | 0 | 105129099 | 603,000000 |
| 4280 | 660,000000 | 0 | 103415723 | 562,000000 |
| 3910 | 655,000000 | 0 | 103903419 | 603,000000 |
| 2940 | 647,000000 | 0 | 103909019 | 581,000000 |
| 710 | 653,000000 | 0 | 106317264 | 591,000000 |
| 1430 | 653,000000 | 0 | 102010306 | 625,000000 |
| 4650 | 644,000000 | 0 | 101272882 | 590,000000 |
| 1190 | 654,000000 | 0 | 103975650 | 586,000000 |
| 4040 | 650,000000 | 0 | 100805343 | 607,000000 |
| 527 | 664,000000 | 0 | 98799124 | 599,000000 |
| 1567,368754 | 6,609841 | | 2114460 | Desvio |
| 2794,700000 | 652,100000 | 0.0 | 102953782 | Média |