Arquivo bus\_13\_3

|  |  |  |  |
| --- | --- | --- | --- |
| **GA** | **Perda original** | **Fitness** | **% Melhora** |
| Conf1 | 113,9088 | 105,99475 | 6,947707288637931% |
| Conf2 | 113,9088 | 105,99475 | 6,947707288637931% |
| Conf3 | 113,9088 | 105,99475 | 6,947707288637931% |
| Conf4 | 113,9088 | 105,99475 | 6,947707288637931% |
| Conf5 | 113,9088 | 105,99475 | 6,947707288637931% |
| Conf6 | 113,9088 | 105,99475 | 6,947707288637931% |
| Conf7 | 113,9088 | 105,99475 | 6,947707288637931% |
| Conf8 | 113,9088 | 105,99475 | 6,947707288637931% |
| Conf9 | 113,9088 | 105,99475 | 6,947707288637931% |
| Conf10 | 113,9088 | 105,99475 | 6,947707288637931% |

Arquivo bus\_29\_1

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| --- | --- | --- | --- |
| **GA** | **Perda original** | **Fitness** | **% Melhora** |
| Conf1 | 0,013709432 | 0,013709 | 0,0031511152321982636% |
| Conf2 | 0,013709432 | 0,013709 | 0,0031511152321982636% |
| Conf3 | 0,013709432 | 0,013709 | 0,0031511152321982636% |
| Conf4 | 0,013709432 | 0,013709 | 0,0031511152321982636% |
| Conf5 | 0,013709432 | 0,013709 | 0,0031511152321982636% |
| Conf6 | 0,013709432 | 0,013709 | 0,0031511152321982636% |
| Conf7 | 0,013709432 | 0,013709 | 0,0031511152321982636% |
| Conf8 | 0,013709432 | 0,013709 | 0,0031511152321982636% |
| Conf9 | 0,013709432 | 0,013709 | 0,0031511152321982636% |
| Conf10 | 0,013709432 | 0,013709 | 0,0031511152321982636% |

Arquivo bus\_32\_1

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| --- | --- | --- | --- |
| **GA** | **Perda original** | **Fitness** | **% Melhora** |
| Conf1 | 55631859,18 | 40437254,585 | 27,312775123759575% |
| Conf2 | 55631859,18 | 40569392,2075 | 27,075253630773943% |
| Conf3 | 55631859,18 | 39954096,9075 | 28,181266101090962% |
| Conf4 | 55631859,18 | 39221067,155 | 29,498909917610266% |
| Conf5 | 55631859,18 | 38654432,925 | 30,517452598642418% |
| Conf6 | 55631859,18 | 39954096,9075 | 28,181266101090962% |
| Conf7 | 55631859,18 | 38654432,925 | 30,517452598642418% |
| Conf8 | 55631859,18 | 38558920,065 | 30,689139940046857% |
| Conf9 | 55631859,18 | 38558920,065 | 30,689139940046857% |
| Conf10 | 55631859,18 | 38558920,065 | 30,689139940046857% |

Arquivo bus\_83\_11

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| --- | --- | --- | --- |
| **GA** | **Perda original** | **Fitness** | **% Melhora** |
| Conf1 | 123854986,7 | 117574888,85 | 5,070524826918421% |
| Conf2 | 123854986,7 | 122905991,0 | 0,7662151725054466% |
| Conf3 | 123854986,7 | 118650549,11 | 4,202041216641626% |
| Conf4 | 123854986,7 | 113073479,59 | 8,704943900333081% |
| Conf5 | 123854986,7 | 119462784,21 | 3,5462459825204675% |
| Conf6 | 123854986,7 | 118893877,53 | 4,005578864593267% |
| Conf7 | 123854986,7 | 122128604,39 | 1,3938738810586804% |
| Conf8 | 123854986,7 | 129527901,04 | -4,580287391851945% |
| Conf9 | 123854986,7 | 111024024,11 | 10,359665712192115% |
| Conf10 | 123854986,7 | 112168575,68 | 9,435559545379206% |

Arquivo bus\_135\_8

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| --- | --- | --- | --- |
| **GA** | **Perda original** | **Fitness** | **% Melhora** |
| Conf1 | 97708466,33 | 93501699,539268 | 4,305427102421286% |
| Conf2 | 97708466,33 | 89035792,638231 | 8,876071867178805% |
| Conf3 | 97708466,33 | 89136798,323128 | 8,772697319720583% |
| Conf4 | 97708466,33 | 96791747,7865 | 0,9382181277964915% |
| Conf5 | 97708466,33 | 96818755,473554 | 0,9105770358129395% |
| Conf6 | 97708466,33 | 97244928,233904 | 0,4744093459930517% |
| Conf7 | 97708466,33 | 92371092,785871 | 5,46254970997353% |
| Conf8 | 97708466,33 | 123391280,82535 | -26,285147500533903% |
| Conf9 | 97708466,33 | 93569595,835209 | 4,235938450627609% |
| Conf10 | 97708466,33 | 94979944,223239 | 2,7925134937086202% |

Arquivo bus\_201\_3

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| --- | --- | --- | --- |
| **GA** | **Perda original** | **Fitness** | **% Melhora** |
| Conf1 | 184509887,6 | 325293840,87621 | -76,30157662954969% |
| Conf2 | 184509887,6 | 184509887,639038 | -2,115767507030735e-08% |
| Conf3 | 184509887,6 | 183489356,761331 | 0,5531036043344282% |
| Conf4 | 184509887,6 | 267251964,477108 | -44,84425087098043% |
| Conf5 | 184509887,6 | 191552605,182492 | -3,816986544244144% |
| Conf6 | 184509887,6 | 180254401,29452 | 2,3063730409426597% |
| Conf7 | 184509887,6 | 226132879,540237 | -22,558678280955725% |
| Conf8 | 184509887,6 | 235414668,466637 | -27,58918859513575% |
| Conf9 | 184509887,6 | 180539954,324424 | 2,151610044976254% |
| Conf10 | 184509887,6 | 177267903,602767 | 3,9249842333289693% |

Arquivo bus\_873\_7

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| --- | --- | --- | --- |
| **GA** | **Perda original** | **Fitness** | **% Melhora** |
| Conf1 | 45803330890 | 20576500979,213936 | 55,07640911830215% |
| Conf2 | 45803330890 | 18039863508,737392 | 60,61451611005884% |
| Conf3 | 45803330890 | 16699630231,703117 | 63,54057683750449% |
| Conf4 | 45803330890 | 16600256473,504797 | 63,757534330043576% |
| Conf5 | 45803330890 | 18359267826,918983 | 59,917177484296744% |
| Conf6 | 45803330890 | 15998265272,958487 | 65,0718300130192% |
| Conf7 | 45803330890 | 23888383471,162514 | 47,84575050113236% |
| Conf8 | 45803330890 | 21409563021,696877 | 53,257628635975216% |
| Conf9 | 45803330890 | 16809903946,876883 | 63,29982204297089% |
| Conf10 | 45803330890 | 18934281958,67709 | 58,66177941480035% |

Arquivo bus\_10476\_84

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| **GA** | **Perda original** | **Fitness** | **% Melhora** |
| Conf1 | 534527141823,62 | 601126855410,8429 | -12,459556938494822% |
| Conf2 | 534527141823,62 | 778714733253,3881 | -45,68291716613028% |
| Conf3 | 534527141823,62 | 495213551200,69867 | 7,354835245371653% |
| Conf4 | 534527141823,62 | 318968752519,4673 | 40,32693055936182% |
| Conf5 | 534527141823,62 | 434462299906,562 | 18,720254611519195% |
| Conf6 | 534527141823,62 | 424325723812,9178 | 20,616617826876563% |
| Conf7 | 534527141823,62 | 512008994975,2709 | 4,212722813574081% |
| Conf8 | 534527141823,62 | 502933564227,95337 | 5,910565642724965% |
| Conf9 | 534527141823,62 | 0,0 | 100,0% |
| Conf10 | 534527141823,62 | 339252807064,8275 | 36,532164501990415% |