|  |  |  |  |
| --- | --- | --- | --- |
| **População** | **Nº gerações** | **Média** | **Desvio Padrão** |
| 100 | 100 | 143.6 | 6.4 |
| 100 | 50 | 165.2 | 16.3 |
| 50 | 100 | 169.6 | 5.7 |
| 50 | 50 | 185.6 | 8.3 |

Seleção, método de recombinação, mutação

População, max generations, selection method

|  |  |  |  |
| --- | --- | --- | --- |
| **Recombinação** | **Mutação** | **Média** | **Desvio Padrão** |
| PMX Recombination (0.2) | Insert Mutation (0.1) | 143.6 | 6.4 |
| PMX Recombination (0.2) | Mutation 2 (0.1) | 186.0 | 12.8 |
| PMX Recombination (0.2) | Mutation 3 (0.1) | 208.0 | 9.1 |
| Recombination (0.2) | Insert Mutation (0.1) | 176.4 | 11.7 |
| Recombination (0.2) | Mutation 2 (0.1) | 217.2 | 13.8 |
| Recombination (0.2) | Mutation 3 (0.1) | 227.6 | 6.2 |

População, max generations, selection method

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| --- | --- | --- | --- |
| **Recombinação** | **Mutação** | **Média** | **Desvio Padrão** |
| PMX Recombination (0.2) | Insert Mutation (0.1) | 143.6 | 6.4 |
| PMX Recombination (0.2) | Insert Mutation (0.5) | 157.2 | 7.8 |
| PMX Recombination (0.2) | Mutation 2 (0.1) | 186.0 | 12.8 |
| PMX Recombination (0.2) | Mutation 2 (0.5) | 190.4 | 20.0 |
| PMX Recombination (0.2) | Mutation 3 (0.1) | 208.0 | 9.1 |
| PMX Recombination (0.2) | Mutation 3 (0.5) | 211.6 | 5.9 |
| PMX Recombination (0.7) | Insert Mutation (0.1) | 144.0 | 6.6 |
| PMX Recombination (0.7) | Insert Mutation (0.5) | 191.2 | 2.7 |
| PMX Recombination (0.7) | Mutation 2 (0.1) | 166.0 | 6.8 |
| PMX Recombination (0.7) | Mutation 2 (0.5) | 164.4 | 7.7 |
| PMX Recombination (0.7) | Mutation 3 (0.1) | 176.0 | 9.3 |
| PMX Recombination (0.7) | Mutation 3 (0.5) | 219.6 | 4.5 |

População, max generations, PMX recombination(0.2) e insert mutation(0.1)

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| **Método seleção** | **Média** | **Desvio Padrão** |
| *Tournament selection (2)* | 143.6 | 6.4 |
| *Tournament selection (4)* | 162.0 | 29.9 |
| *Tournament selection (8)* | 163.6 | 12.2 |