Mutation Probability: **0.8**

Crossover Probability: **0.3**

Optimal Solution: **784**

Here I take mean of 5 iterations with each population.

|  |  |  |
| --- | --- | --- |
| **Population** | **Mean Solution** | **Best Solution** |
| 1000 | 902.80 | 884.82 |
| 2000 | 880.25 | 864.56 |
| 3000 | 910.27 | 895.74 |
| 4000 | 879.59 | 857.97 |
| 5000 | 873.40 | 860.92 |

Mutation Probability: **0.8**

Crossover Probability: **0.4**

Optimal Solution: **784**

Here I take mean of 5 iterations with each population.

|  |  |  |
| --- | --- | --- |
| **Population** | **Mean Solution** | **Best Solution** |
| 1000 | 882.40 | 841.26 |
| 2000 | 888.50 | 850.58 |
| 3000 | 887.45 | 857.23 |
| 4000 | 858.56 | 833.90 |
| 5000 | 872.88 | 856.60 |

Mutation Probability: **0.8**

Crossover Probability: **0.5**

Optimal Solution: **784**

Here I take mean of 5 iterations with each population.

|  |  |  |
| --- | --- | --- |
| **Population** | **Mean Solution** | **Best Solution** |
| 1000 | 876.40 | 856.26 |
| 2000 | 872.50 | 852.58 |
| 3000 | 869.45 | 848.23 |
| 4000 | 877.56 | 862.90 |
| 5000 | 869.88 | 846.78 |