

# Assignment 5: Evolutionary Computation

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## 1 Task 1

In this question, I followed the skeleton.py for the computation but I did not follow the skeleton.py for plotting. Below, you can see my graph.

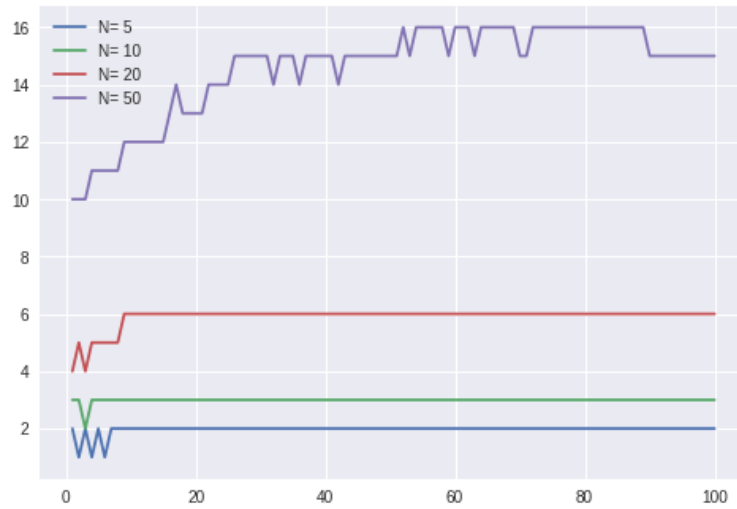


Figure 1: Outputs

### 1.1 Parameters

- population size = 40
- mutation rate = 0.2
- crossover rate = 2
- maximum gen = 100

## 2 Task 2

In this question, I followed the skeleton.py for the computation but I did not follow the skeleton.py for plotting. Below, you can see my graph.

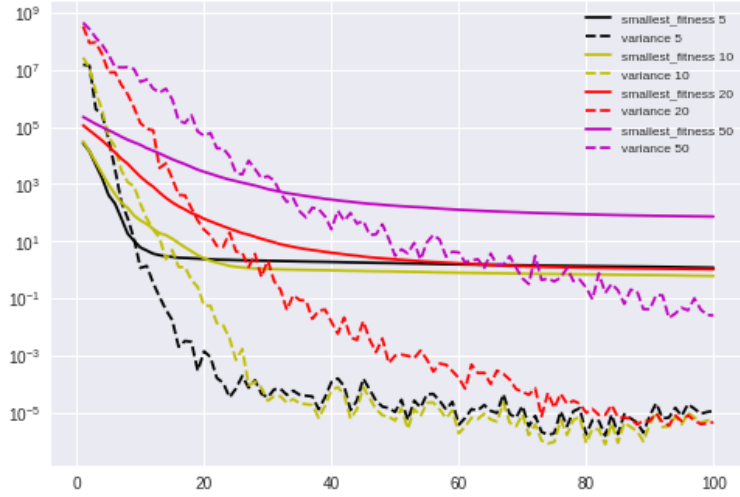


Figure 2: Performance of Rosenbrock Function

### 2.1 Parameters

- $\mu = 10$
- $\lambda = 100$
- generations = 100
- $\epsilon = 0.0001$