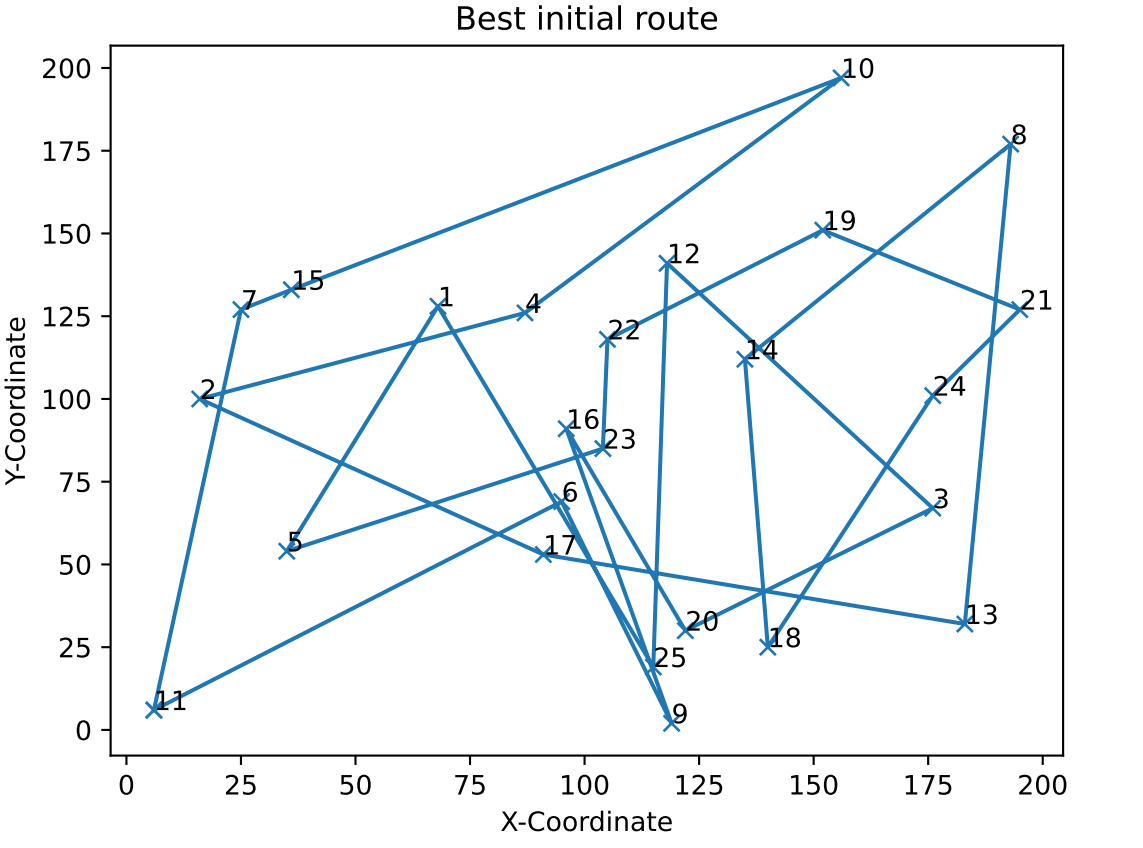
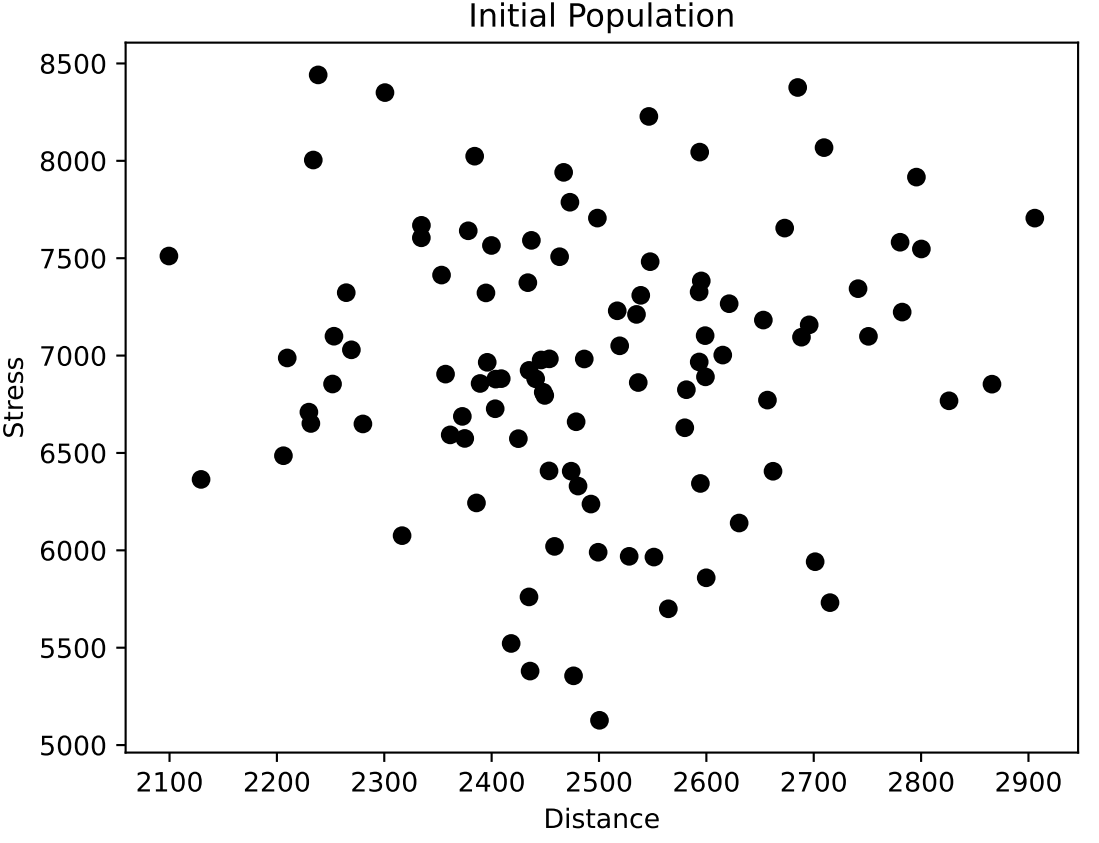
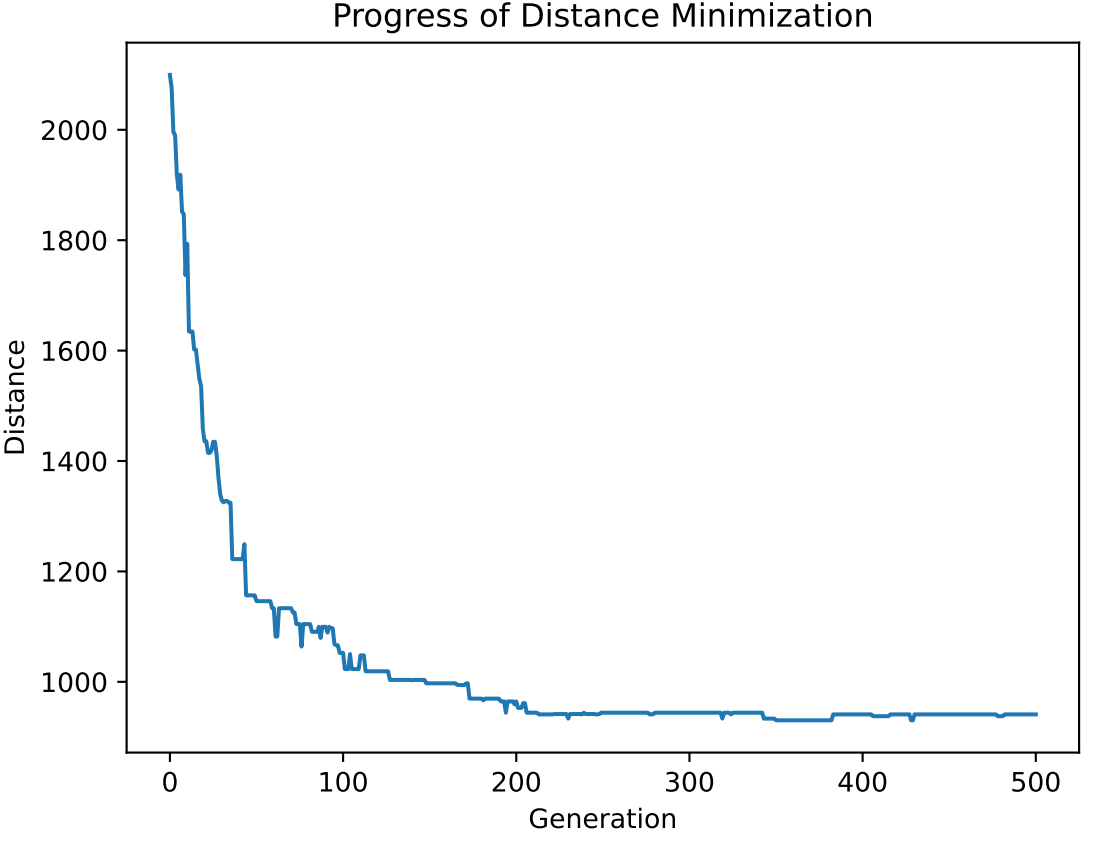
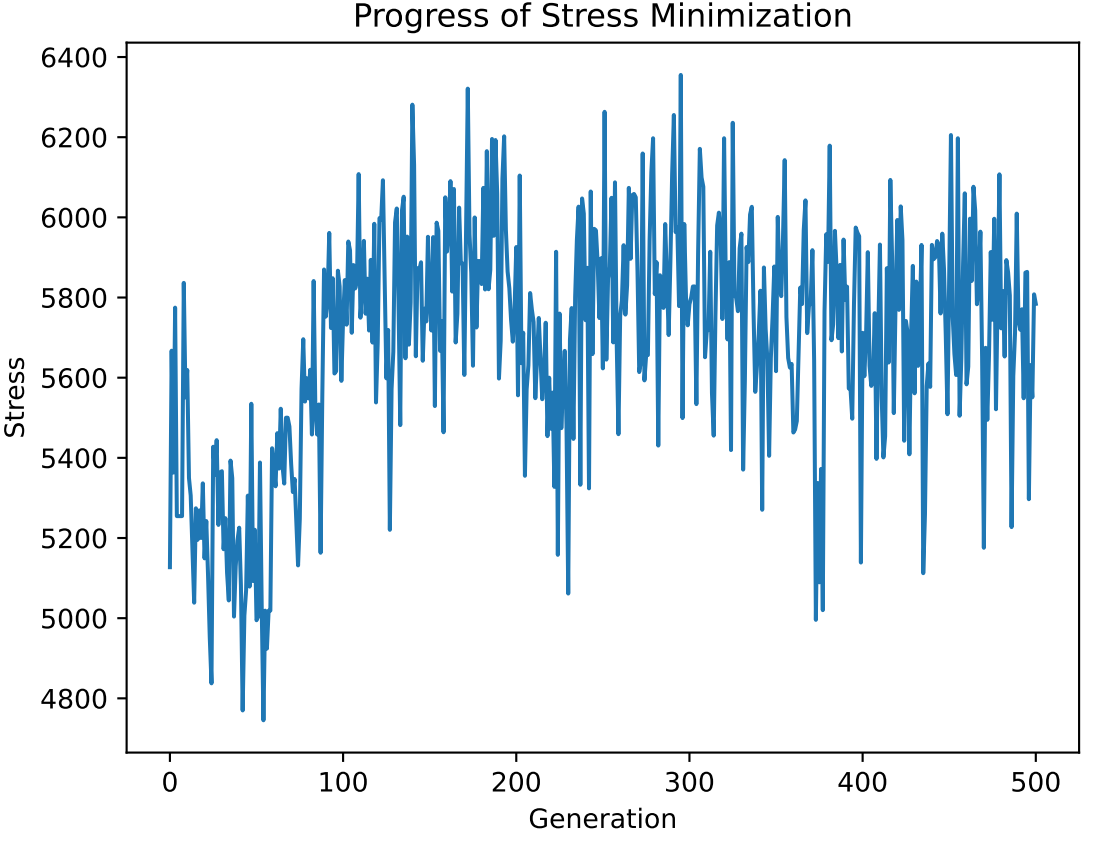
Objective: 1 | popSize: 100 | eliteSize: 30 | mutationRate: 0.01 | generations: 500

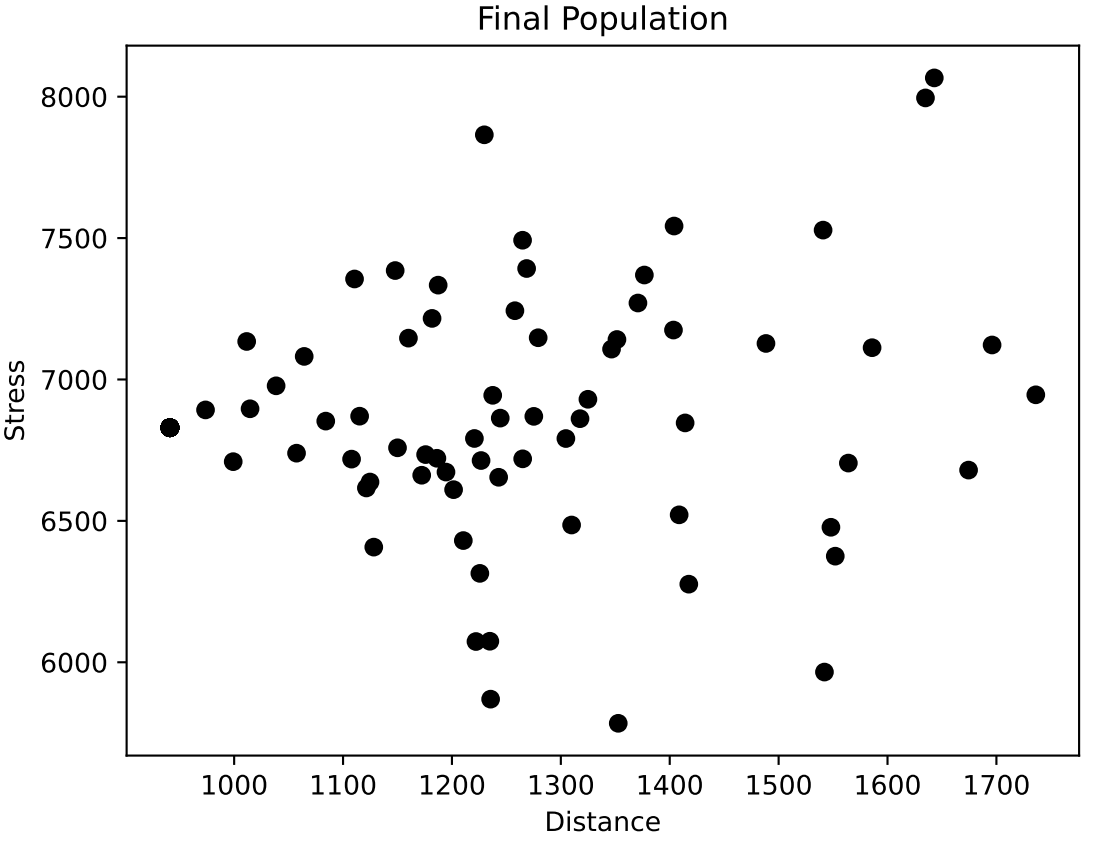

Best initial route
Y-Coordinate
X-Coordinate
0
25
50
75
100
125
150
175
200
10
8
19
12
15
7
1
4
21
22
14
2
24
16
23
6
3
5
17
13
20
18
25
11
9


Initial Population
Stress
Distance
8500
8000
7500
7000
6500
6000
5500
5000
2100
2200
2300
2400
2500
2600
2700
2800
2900

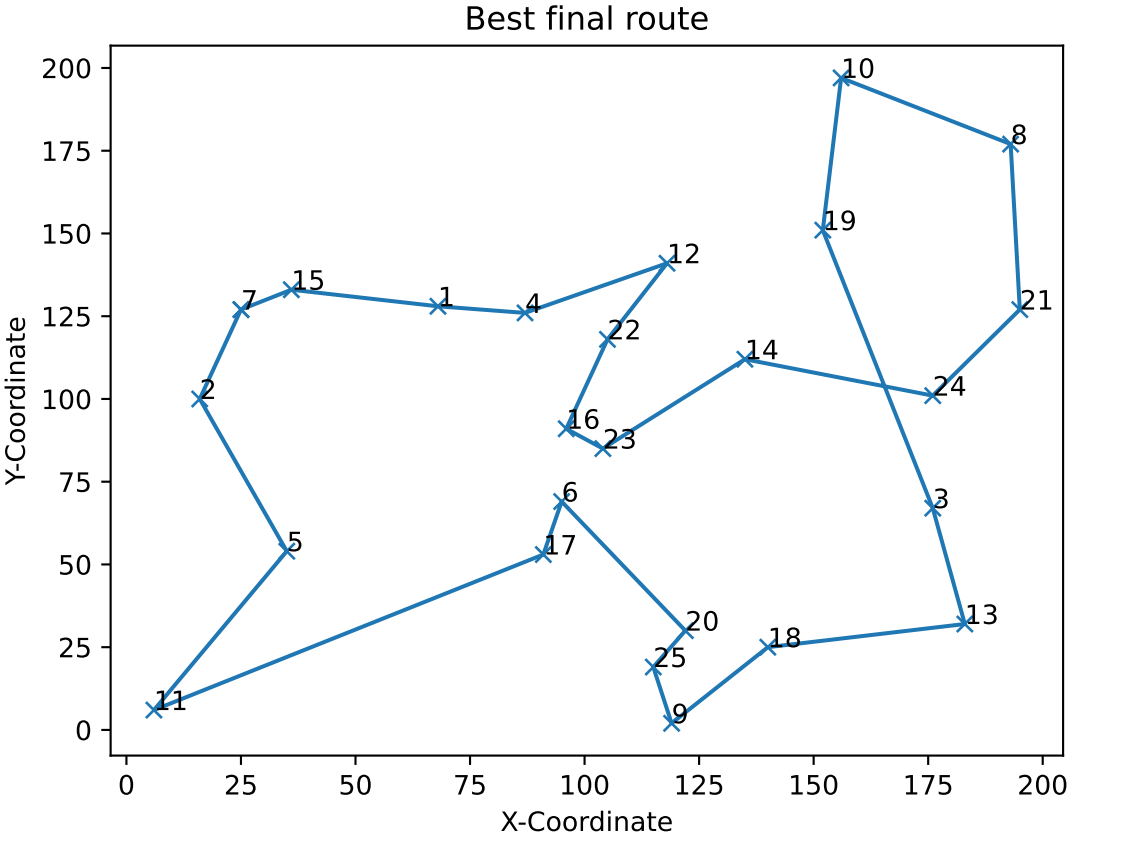

Progress of Distance Minimization
Distance
2000
1800
1600
1400
1200
1000
0
100
200
300
400
500
Generation


Progress of Stress Minimization
Stress
Generation
6400
6200
6000
5800
5600
5400
5200
5000
4800
0
100
200
300
400
500

Initial distance : 2099.4246840742157
Initial stress: 7511.2
Initial objective: 2099.4246840742157
Final objective: 941.0104708259947
Final distance : 941.0104708259947
Final stress: 6829.4


Final Population
Stress
Distance
8000
7500
7000
6500
6000
1000
1100
1200
1300
1400
1500
1600
1700

[7, 15, 1, 4, 12, 22, 16, 23, 14, 24, 21, 8, 10, 19, 3, 13, 18, 9, 25, 20, 6, 17, 11, 5, 2]


Best final route
Y-Coordinate
X-Coordinate
0
25
50
75
100
125
150
175
200
10
8
19
21
12
15
7
1
4
22
14
24
2
16
23
6
3
5
17
20
13
18
25
11
9