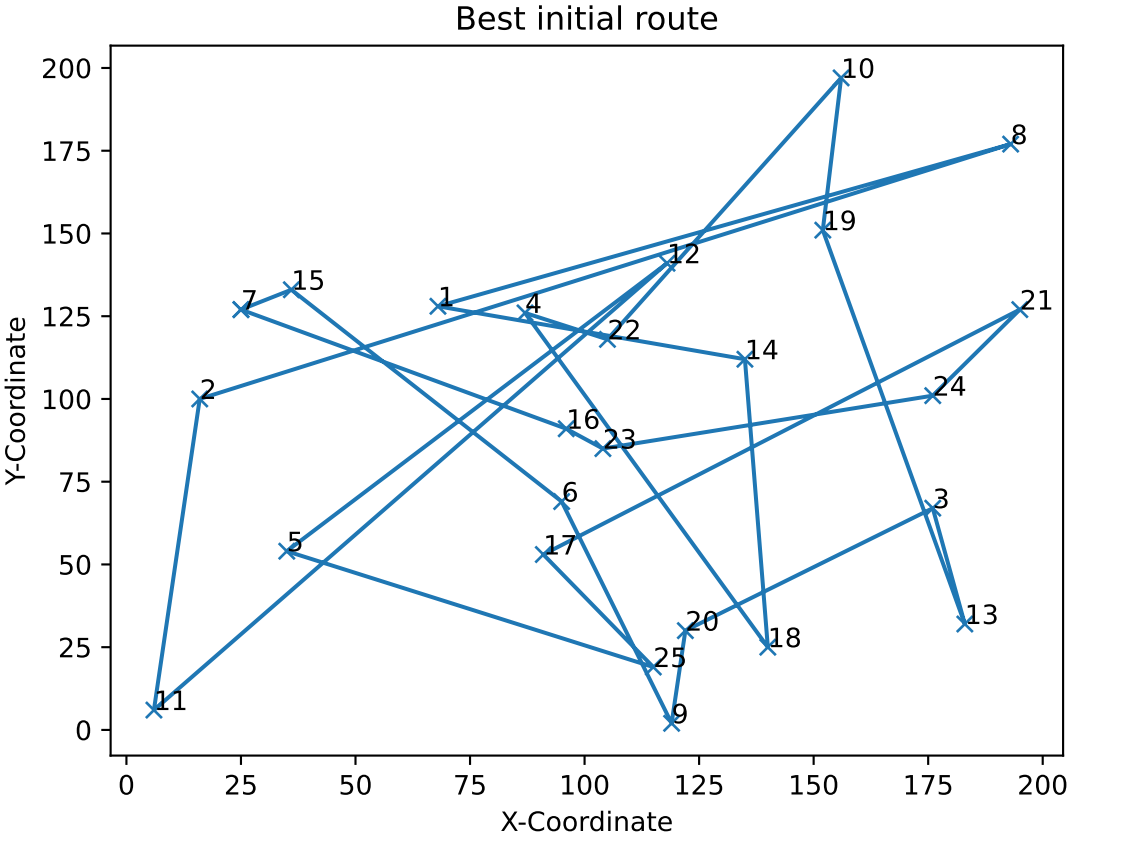
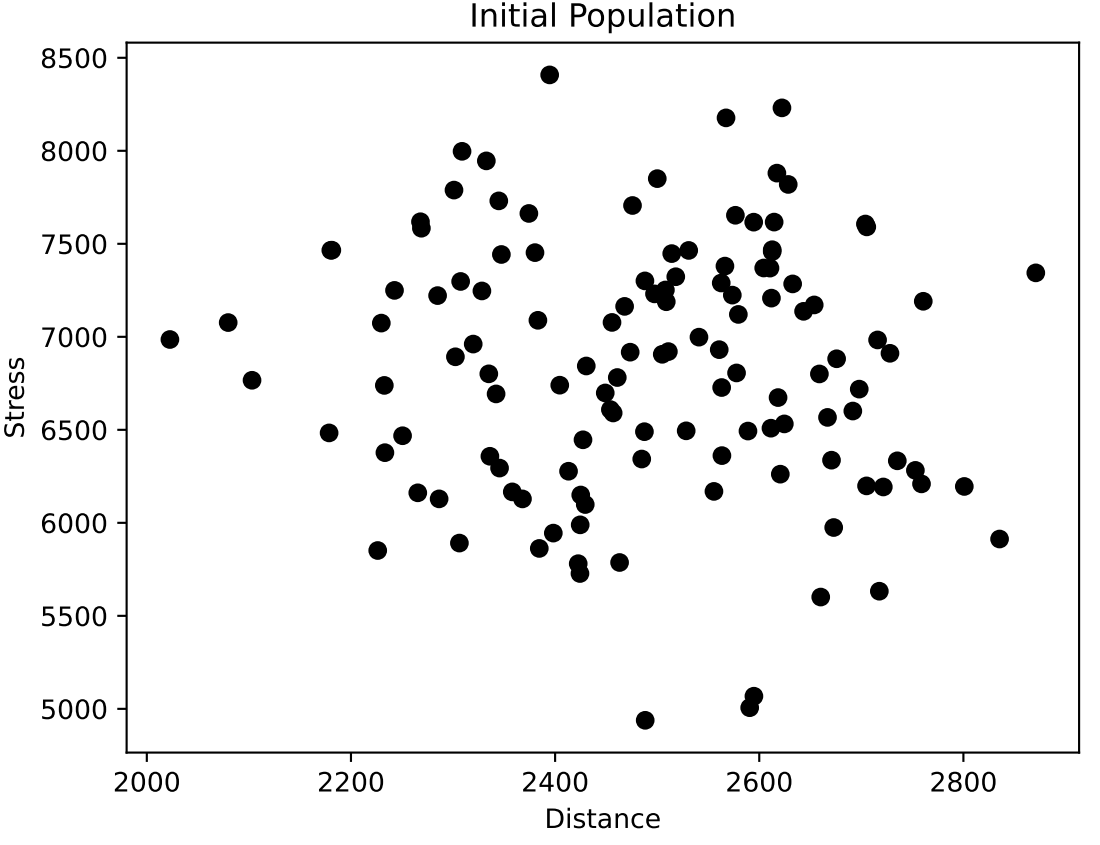
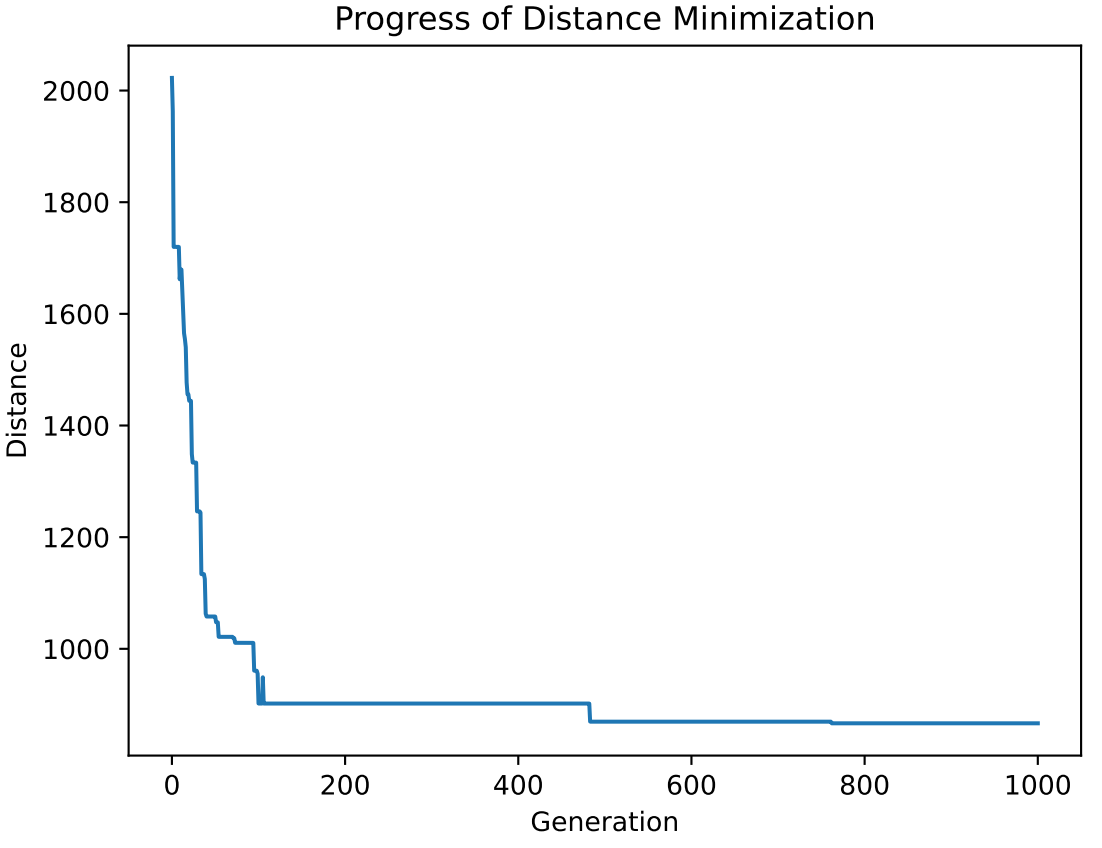
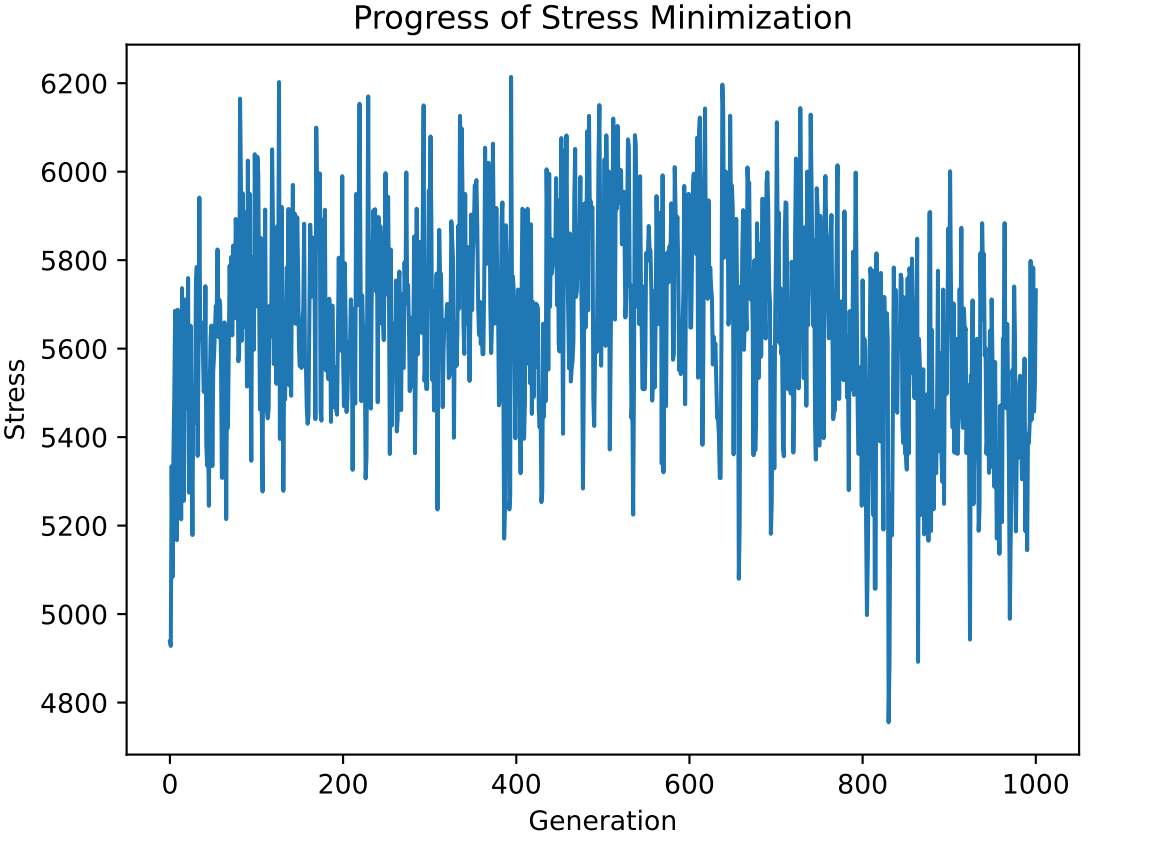
Objective: 1 | popSize: 125 | eliteSize: 20 | mutationRate: 0.001 | generations: 1000

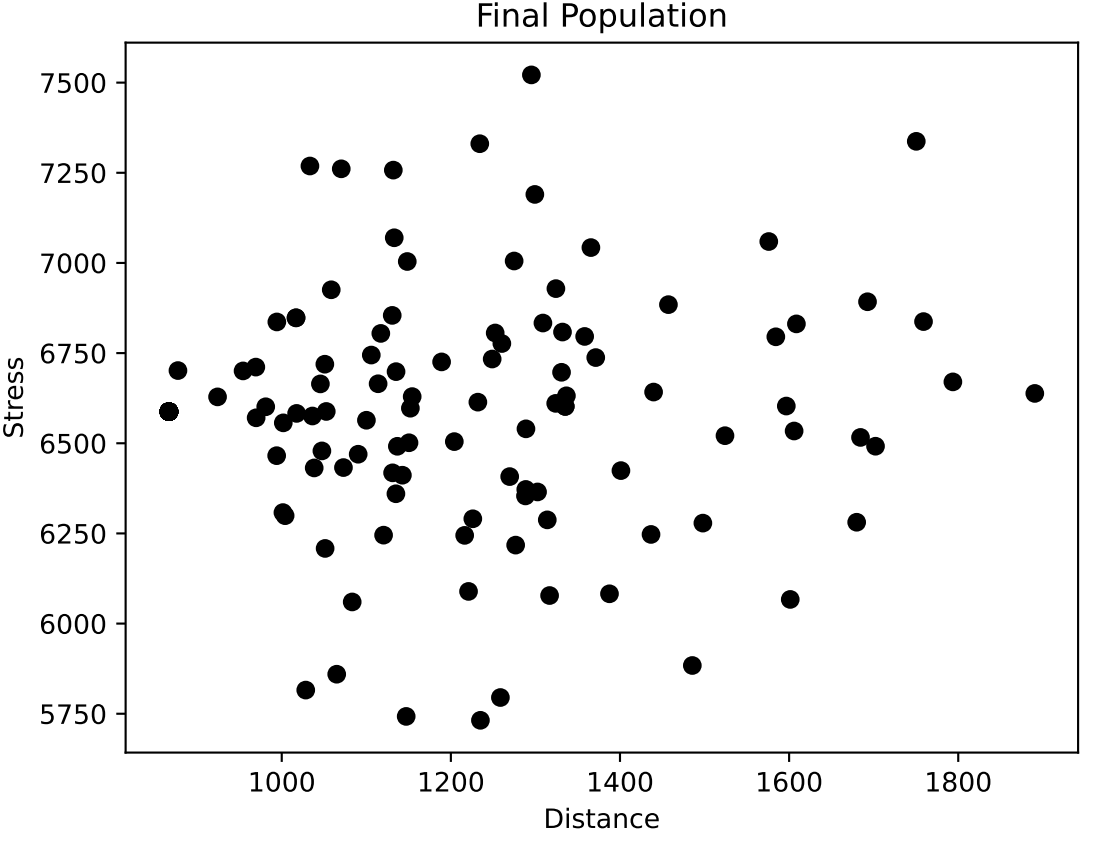

Best initial route
Y-Coordinate
X-Coordinate
0
25
50
75
100
125
150
175
200
10
8
19
12
15
7
1
4
21
22
14
2
24
16
23
6
3
17
5
20
13
18
25
11
9


Initial Population
8500
8000
7500
7000
6500
6000
5500
5000
Stress
2000
2200
2400
2600
2800
Distance

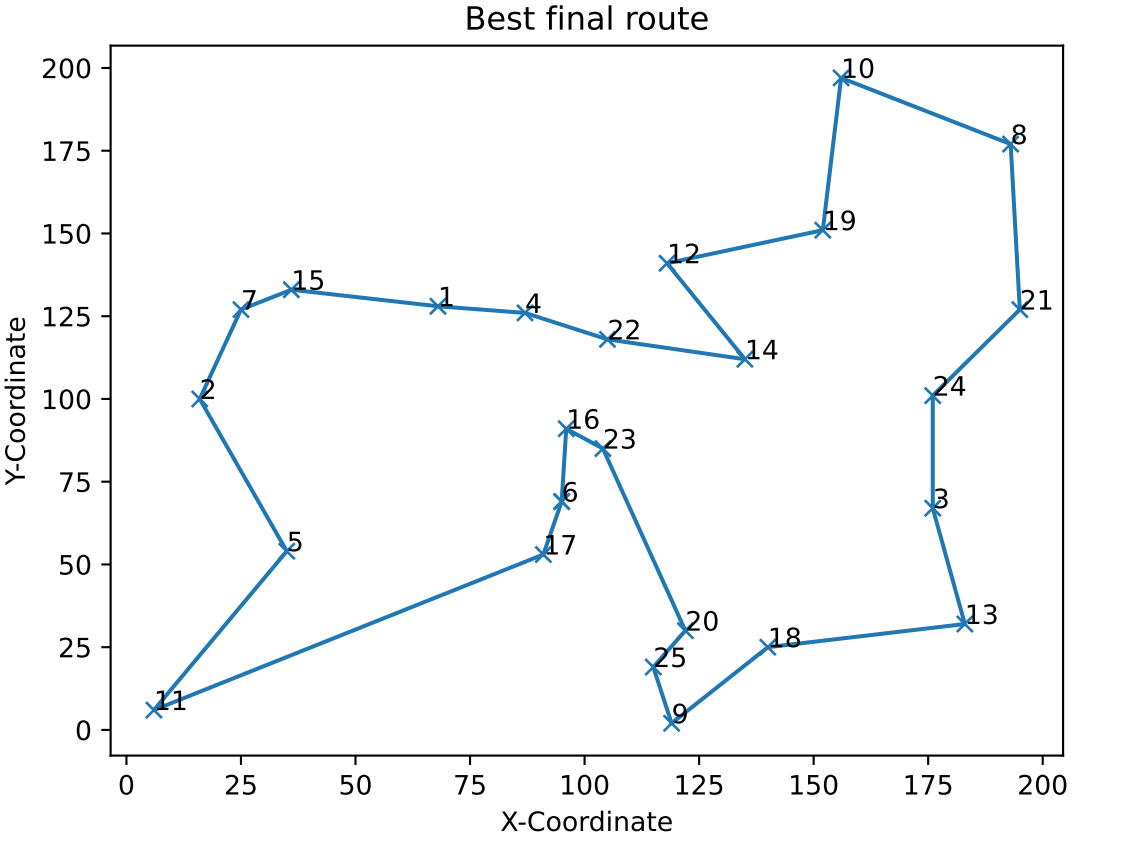

Progress of Distance Minimization
Distance
2000
1800
1600
1400
1200
1000
0
200
400
600
800
1000
Generation


Progress of Stress Minimization
Stress
Generation
6200
6000
5800
5600
5400
5200
5000
4800
0
200
400
600
800
1000

Initial distance : 2022.63153342559
Initial stress: 6985.599999999999
Initial objective: 2022.6315334255899
Final objective: 866.5775241690226
Final distance : 866.5775241690227
Final stress: 6587.599999999999


Final Population
Stress
Distance
7500
7250
7000
6750
6500
6250
6000
5750
1000
1200
1400
1600
1800

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


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