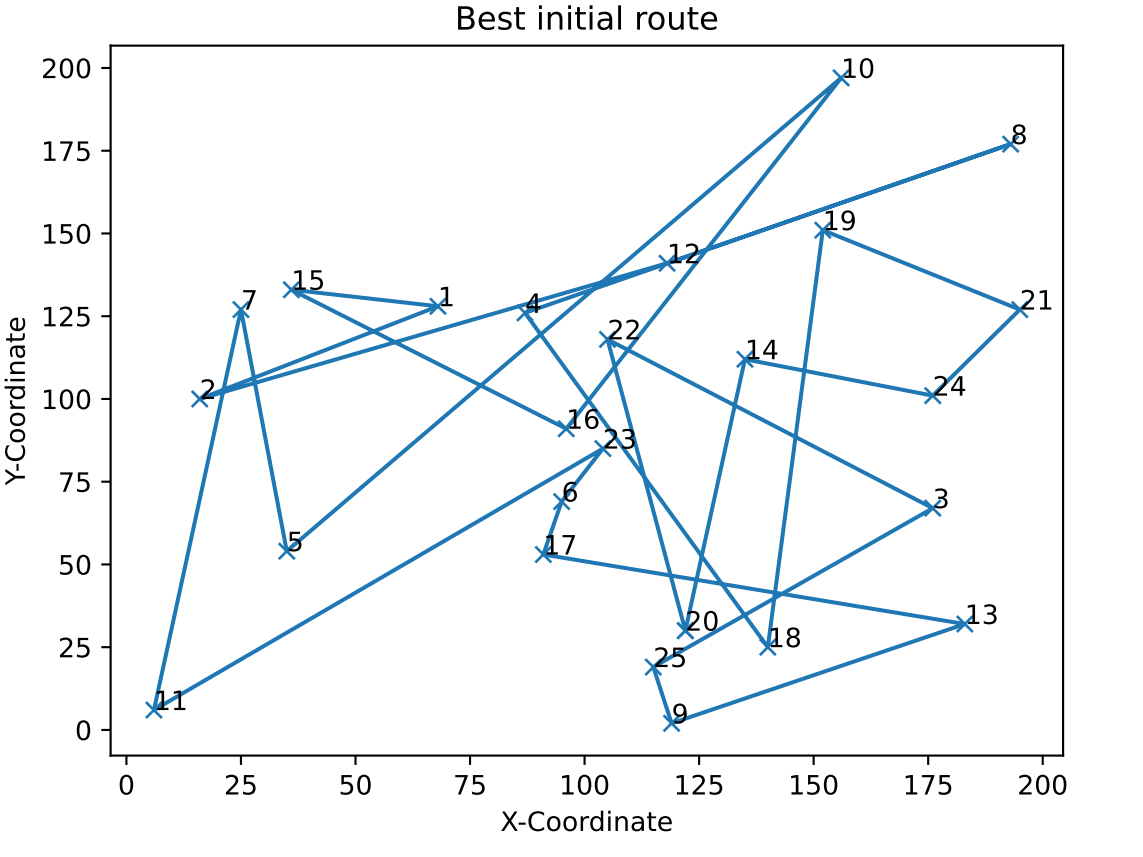
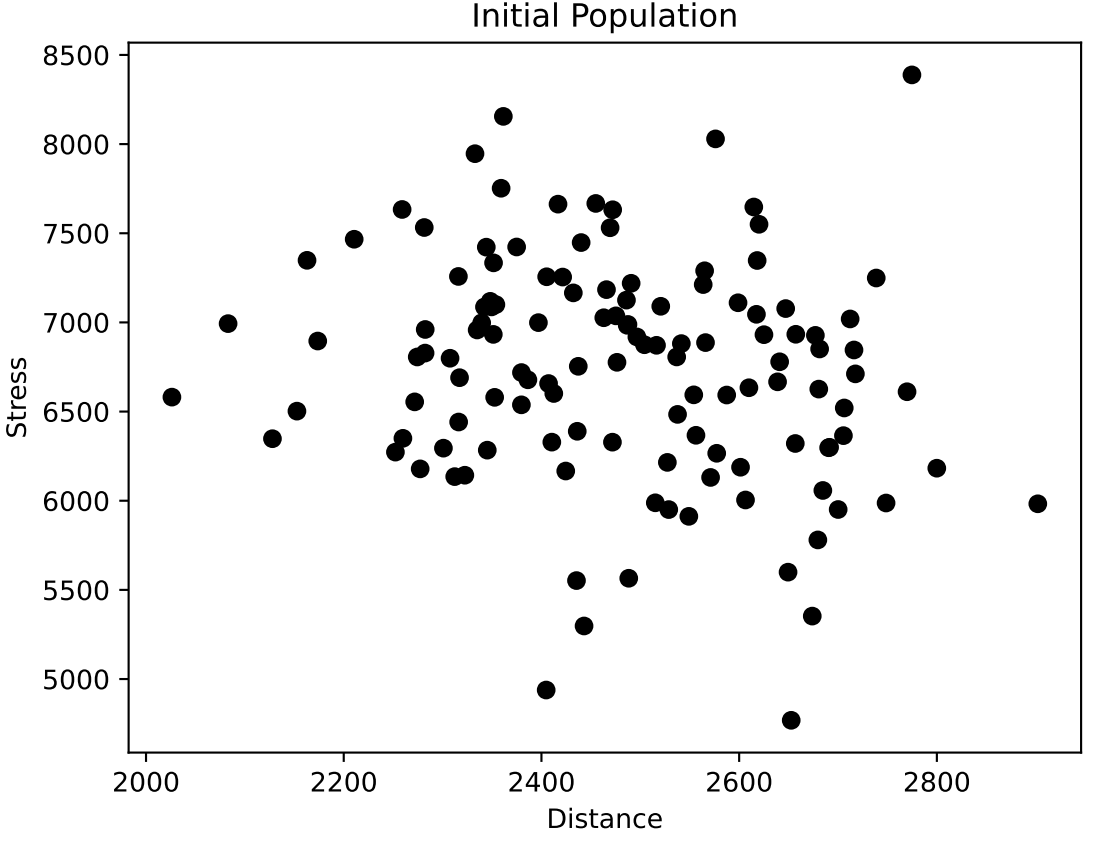
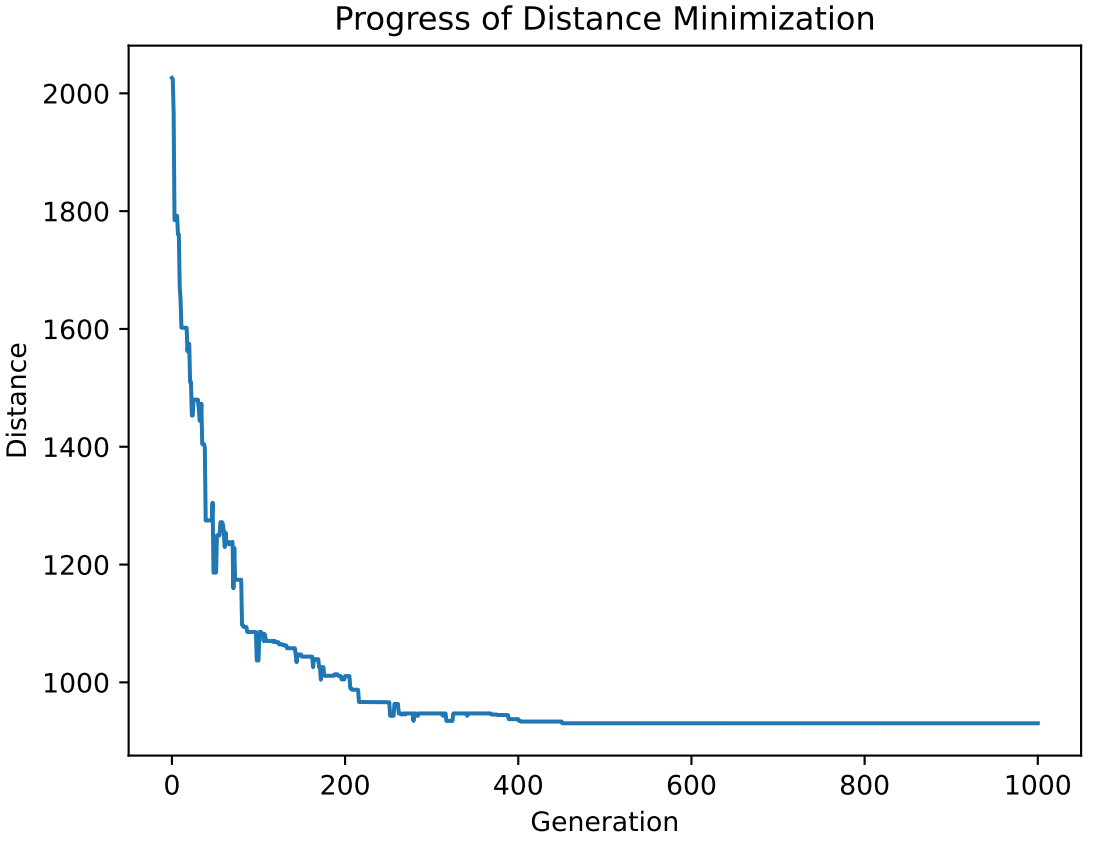
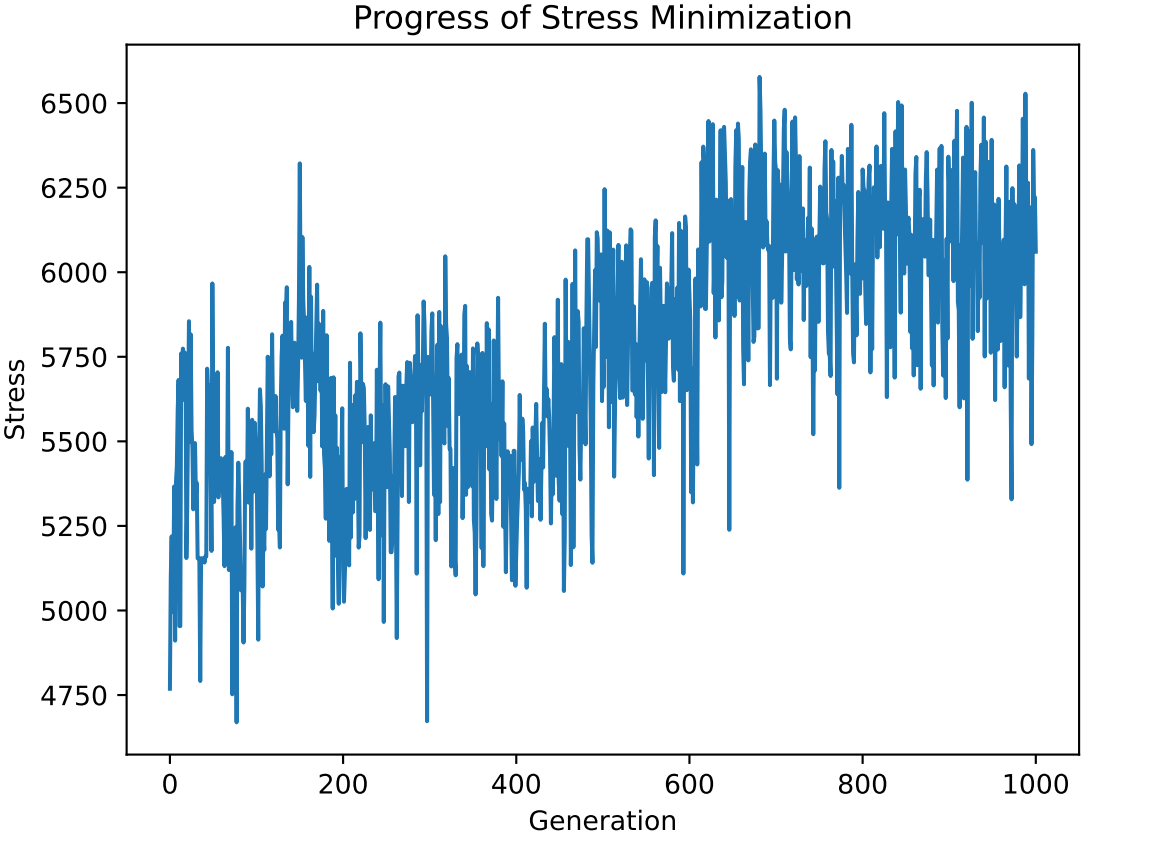
Objective: 1 | popSize: 125 | eliteSize: 30 | mutationRate: 0.01 | generations: 1000

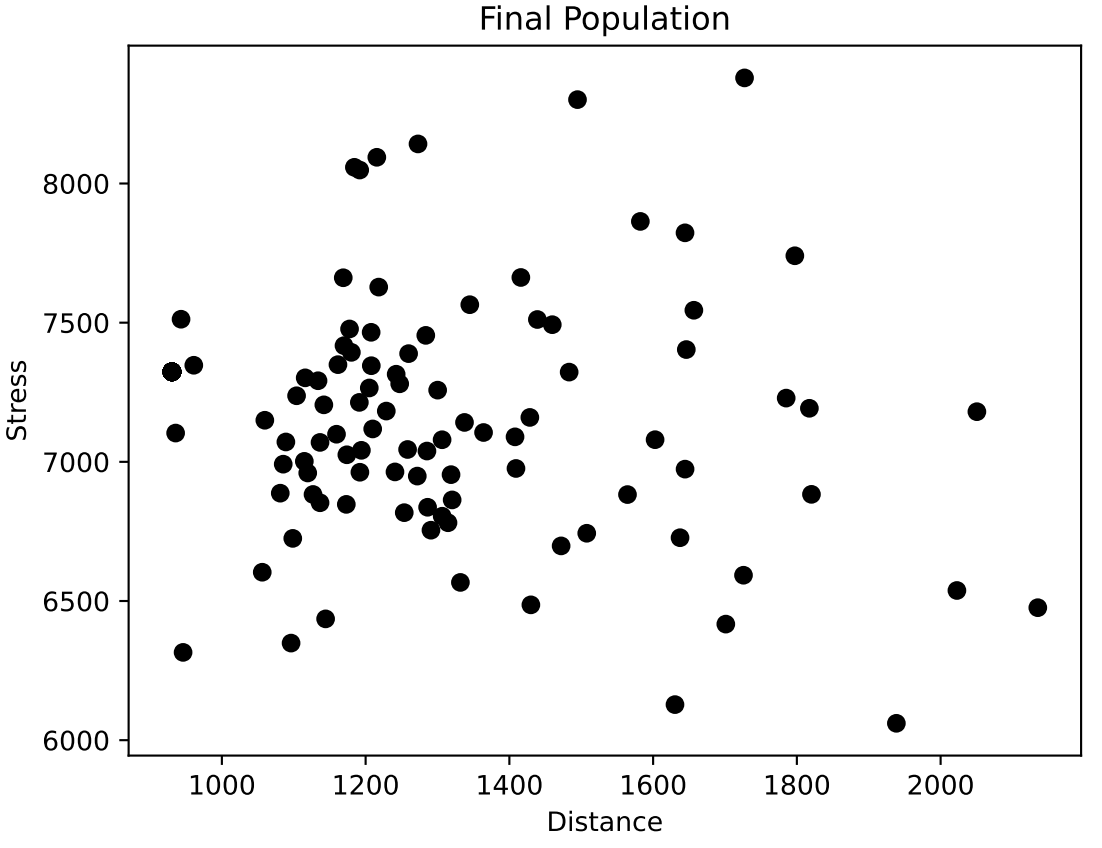

Best initial route
Y-Coordinate
X-Coordinate
0
25
50
75
100
125
150
175
200
10
8
19
12
15
1
7
4
21
22
14
2
24
16
23
6
3
5
17
13
20
18
25
11
9


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

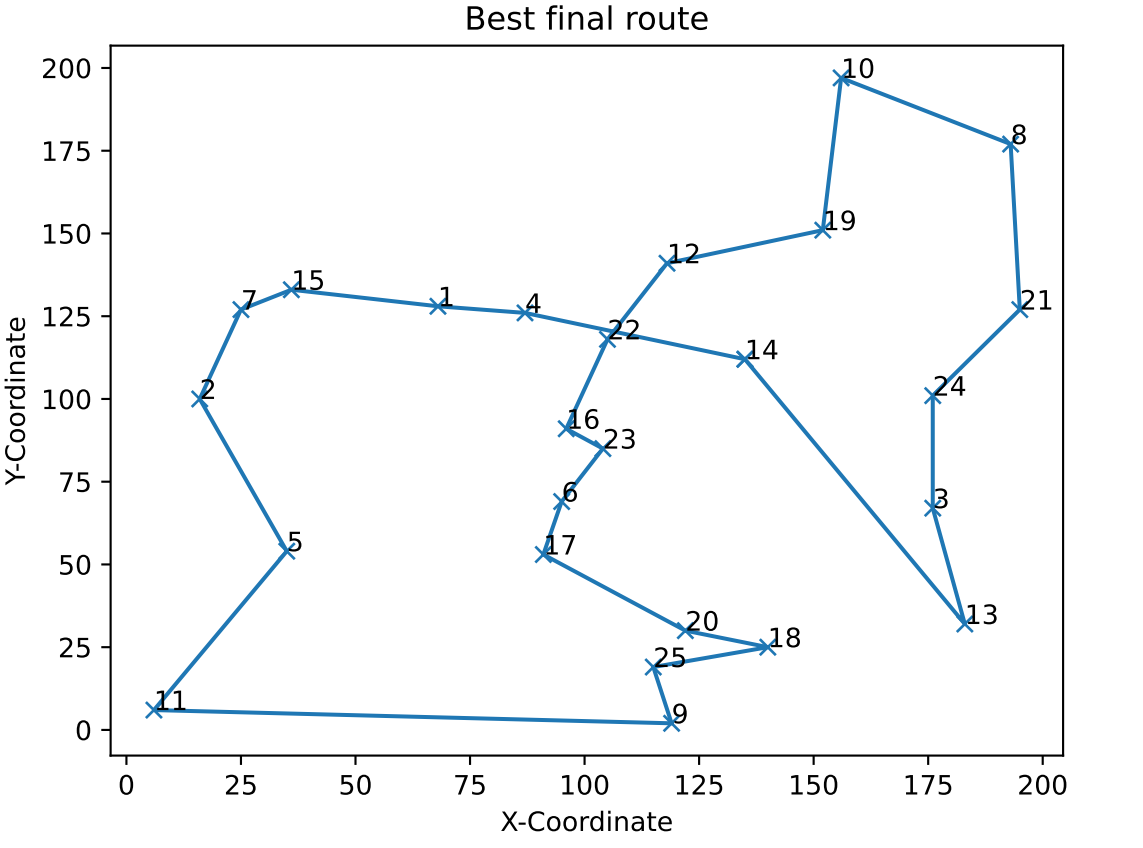

Progress of Distance Minimization
Distance
2000
1800
1600
1400
1200
1000
0
200
400
600
800
1000
Generation


Progress of Stress Minimization
Stress
Generation
6500
6250
6000
5750
5500
5250
5000
4750
0
200
400
600
800
1000

Initial distance : 2026.19141376197
Initial stress: 6581.0
Initial objective: 2026.1914137619697
Final objective: 930.4946410172747
Final distance : 930.4946410172747
Final stress: 7323.400000000001


Final Population
Stress
8000
7500
7000
6500
6000
1000
1200
1400
1600
1800
2000
Distance

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


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
13
20
18
25
11
9