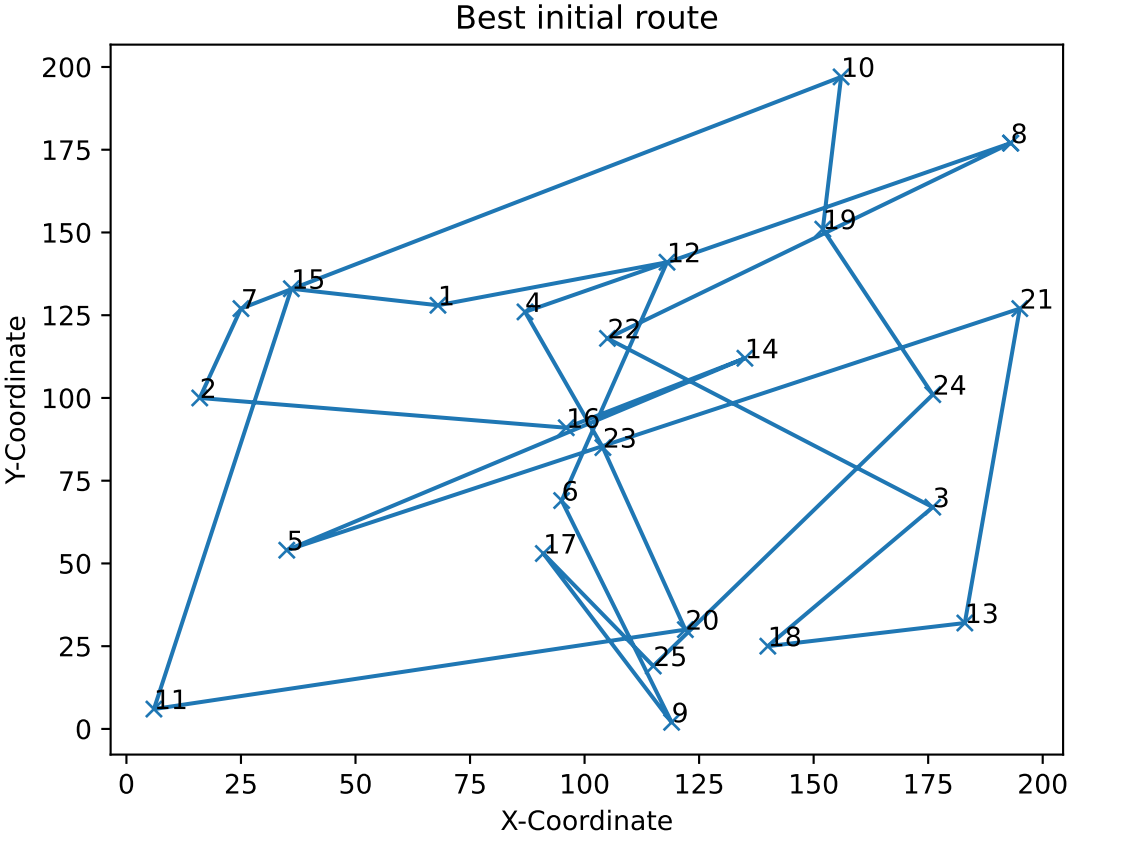
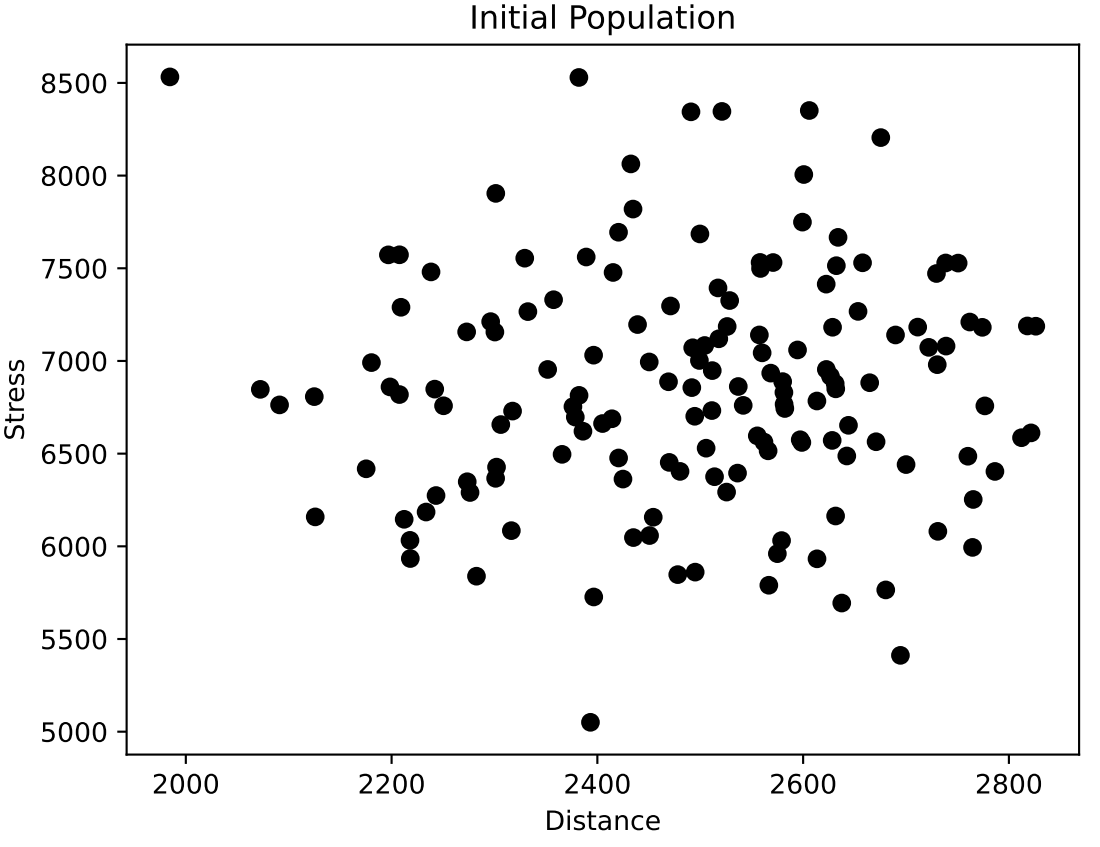
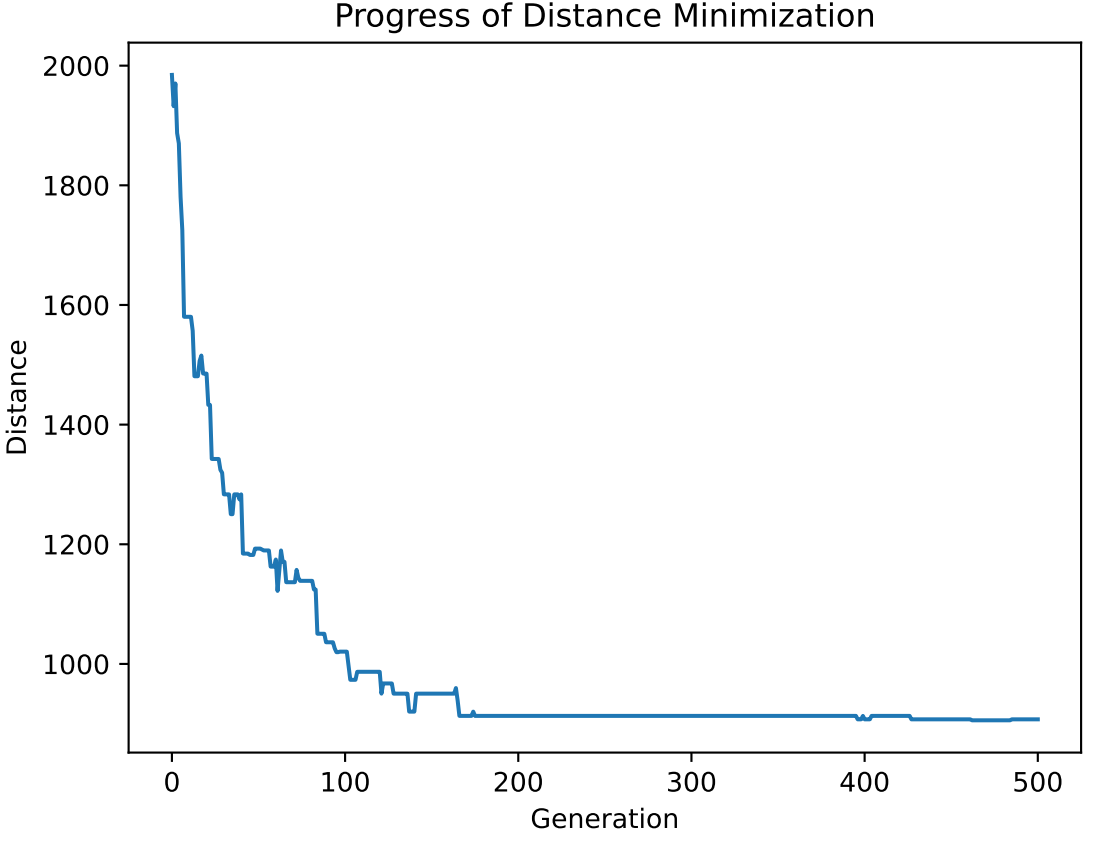
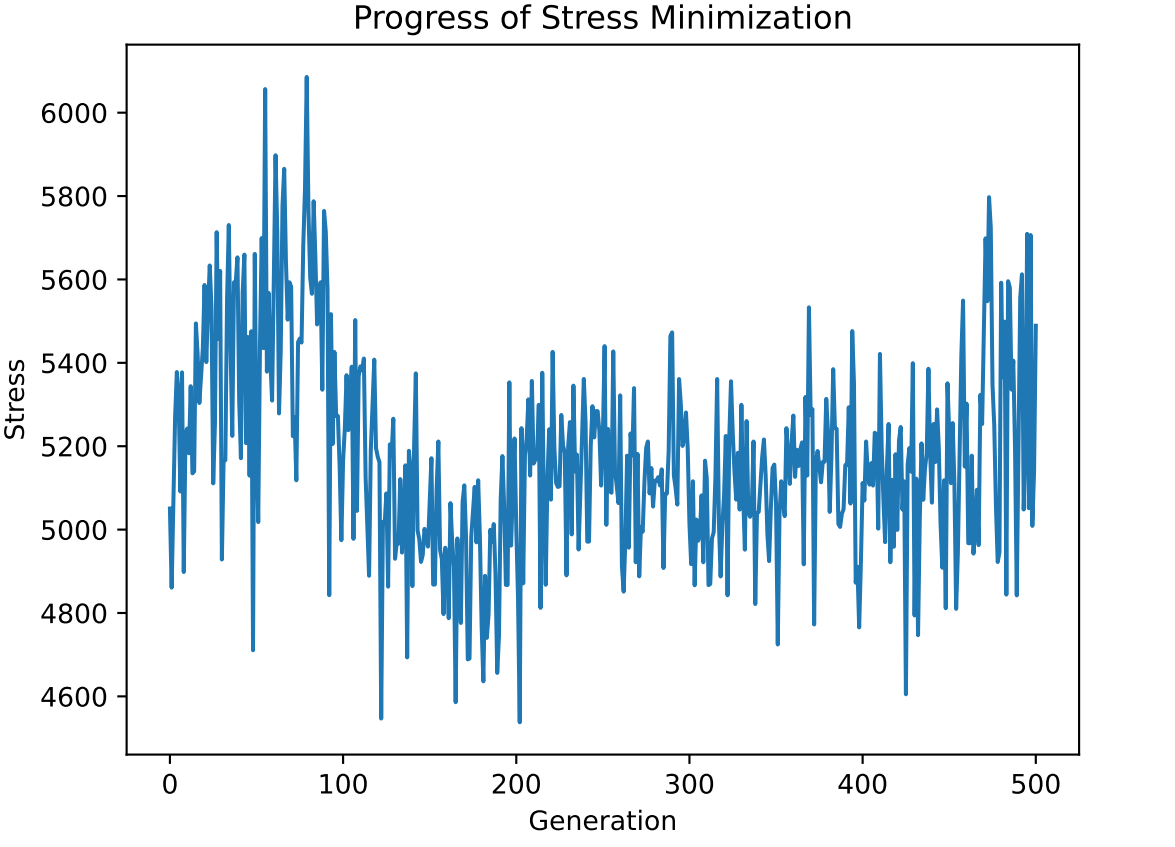
Objective: 1 | popSize: 150 | eliteSize: 30 | mutationRate: 0.01 | generations: 500

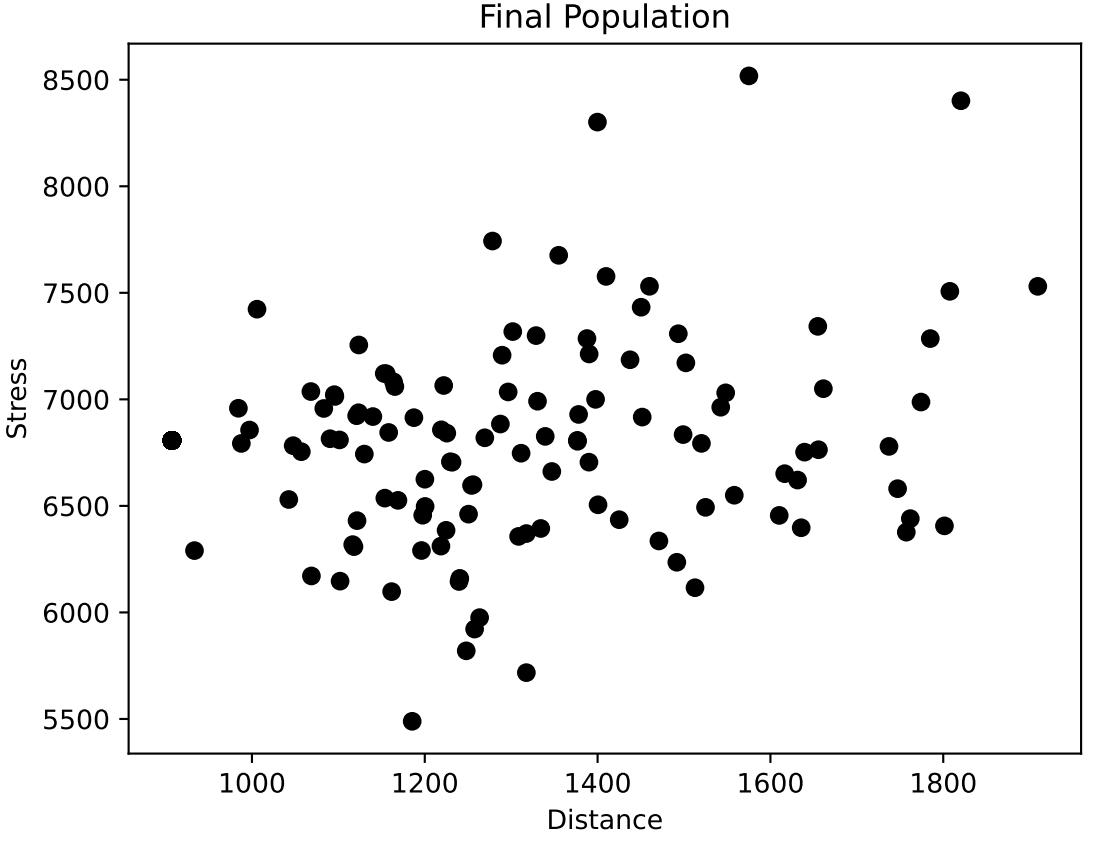

Best initial route
Y-Coordinate
X-Coordinate
0
25
50
75
100
125
150
175
200
10
8
19
12
15
1
7
4
21
22
14
2
24
16
23
6
3
5
17
20
13
18
25
11
9


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

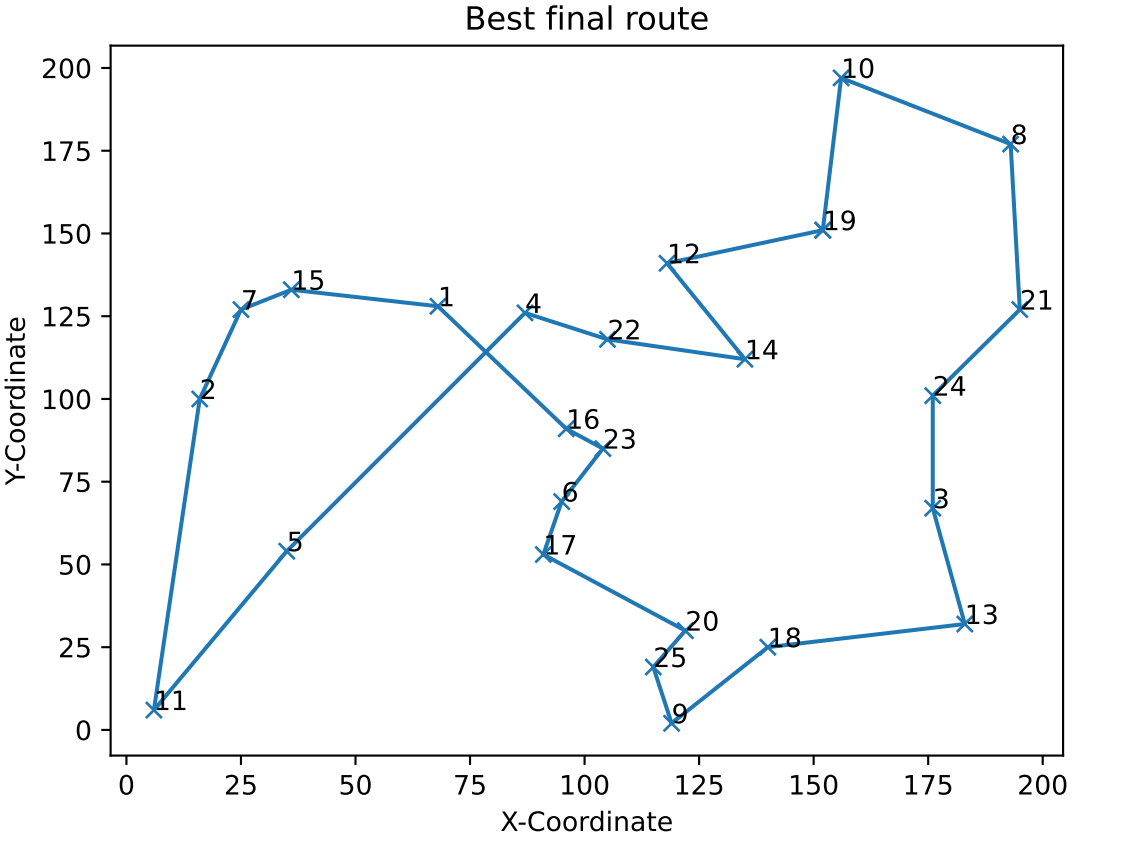

Progress of Distance Minimization
Distance
Generation
2000
1800
1600
1400
1200
1000
0
100
200
300
400
500


Progress of Stress Minimization
Stress
6000
5800
5600
5400
5200
5000
4800
4600
0
100
200
300
400
500
Generation

Initial distance : 1984.5390386981974
Initial stress: 8532.4
Initial objective: 1984.5390386981974
Final objective: 907.3843817626655
Final distance : 907.3843817626655
Final stress: 6807.200000000001


Final Population
Stress
Distance
8500
8000
7500
7000
6500
6000
5500
1000
1200
1400
1600
1800

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


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