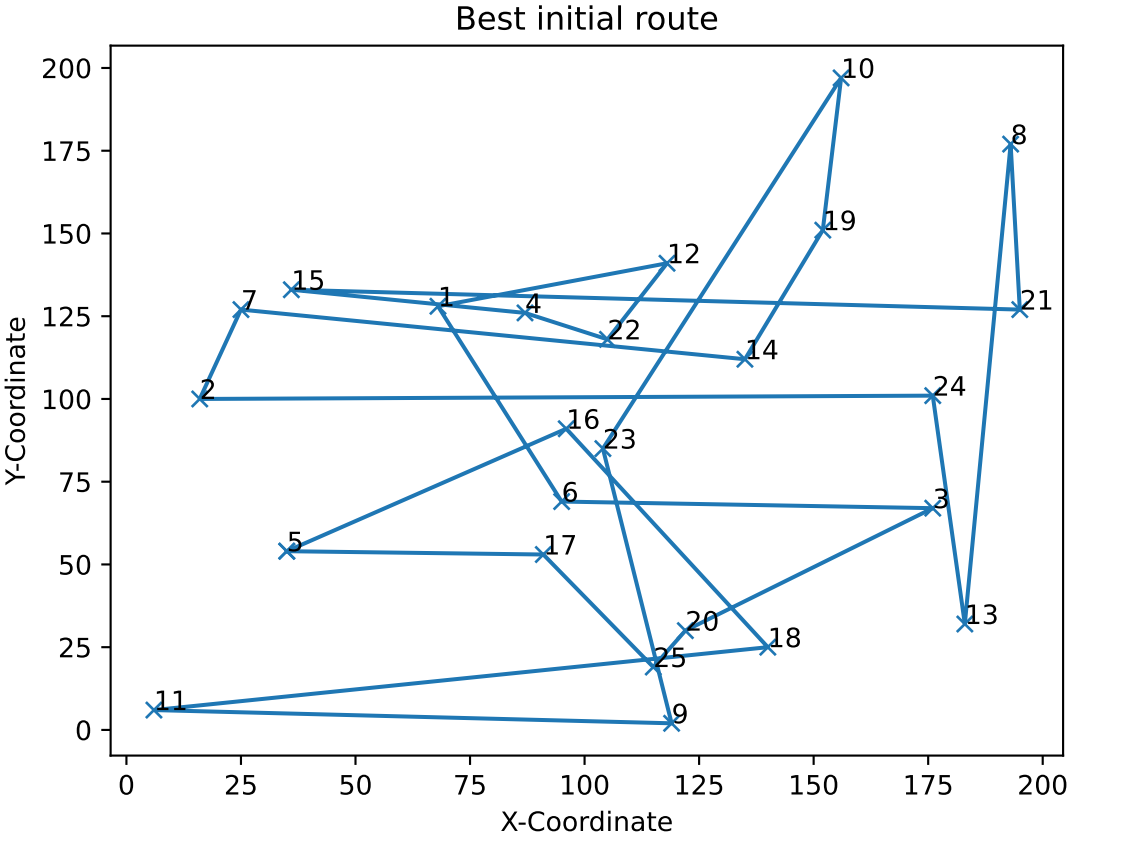
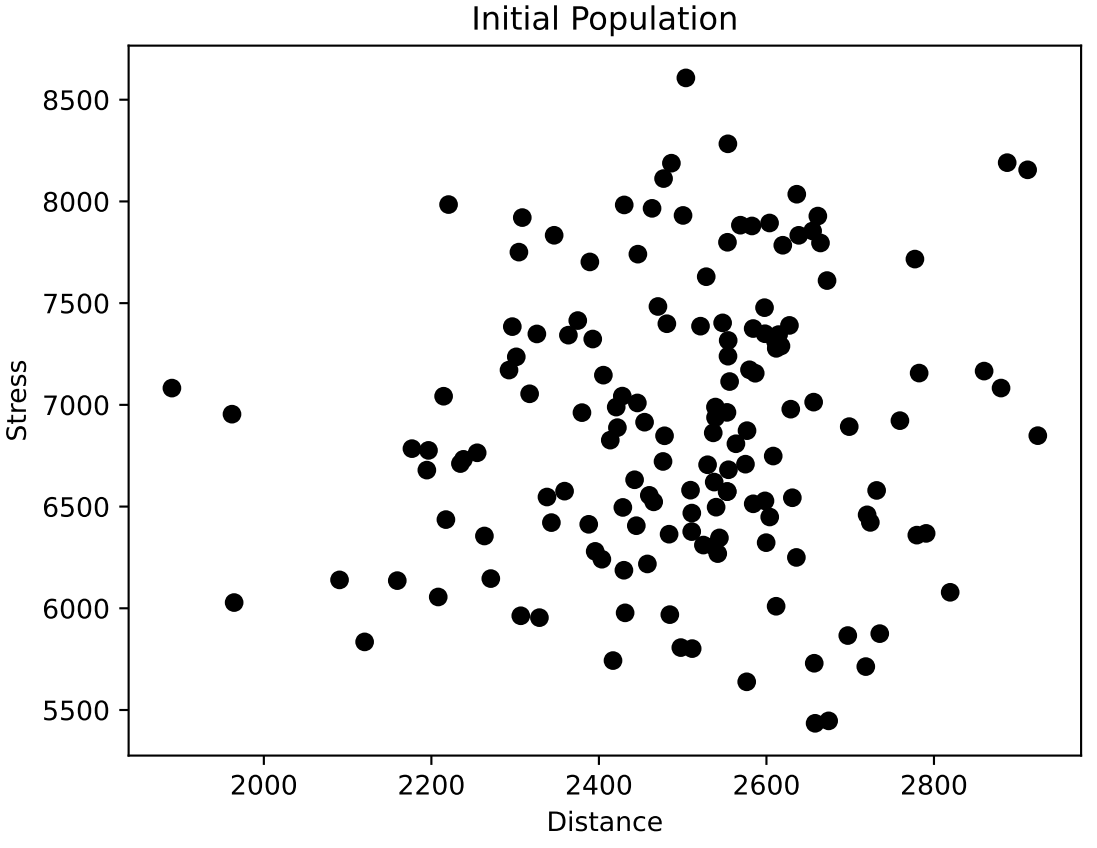
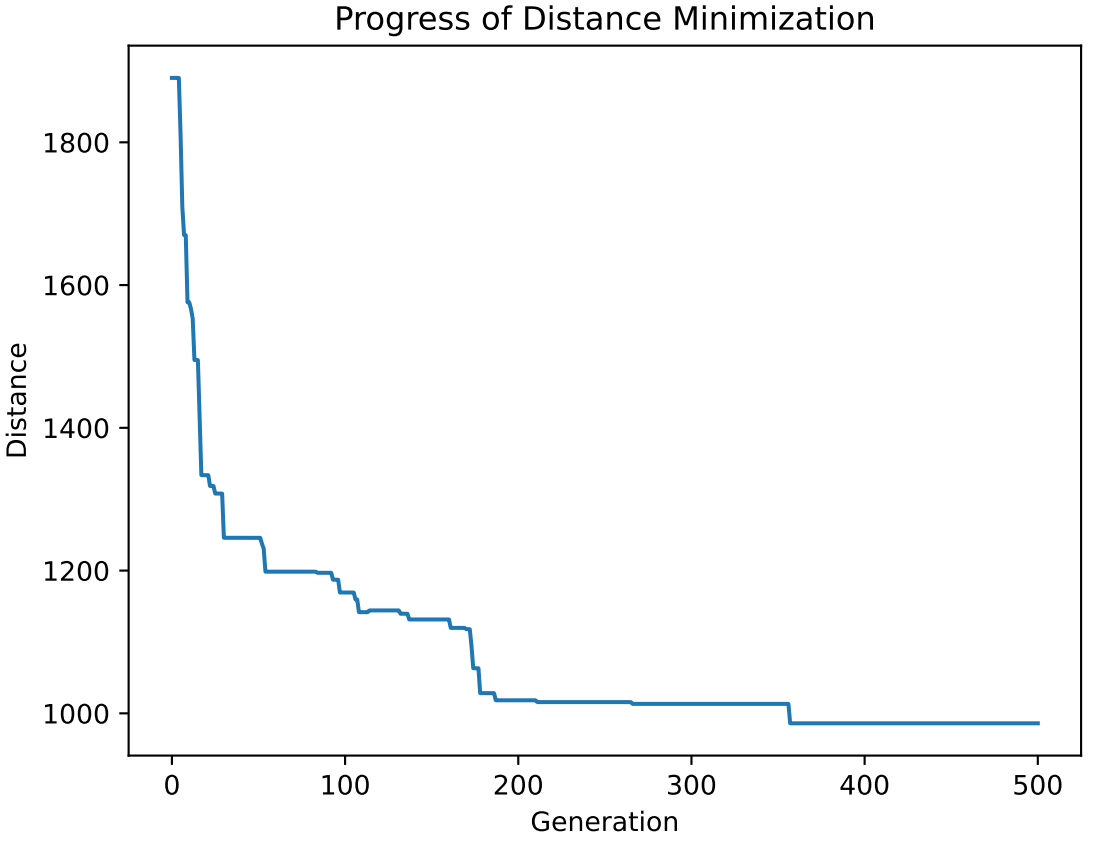
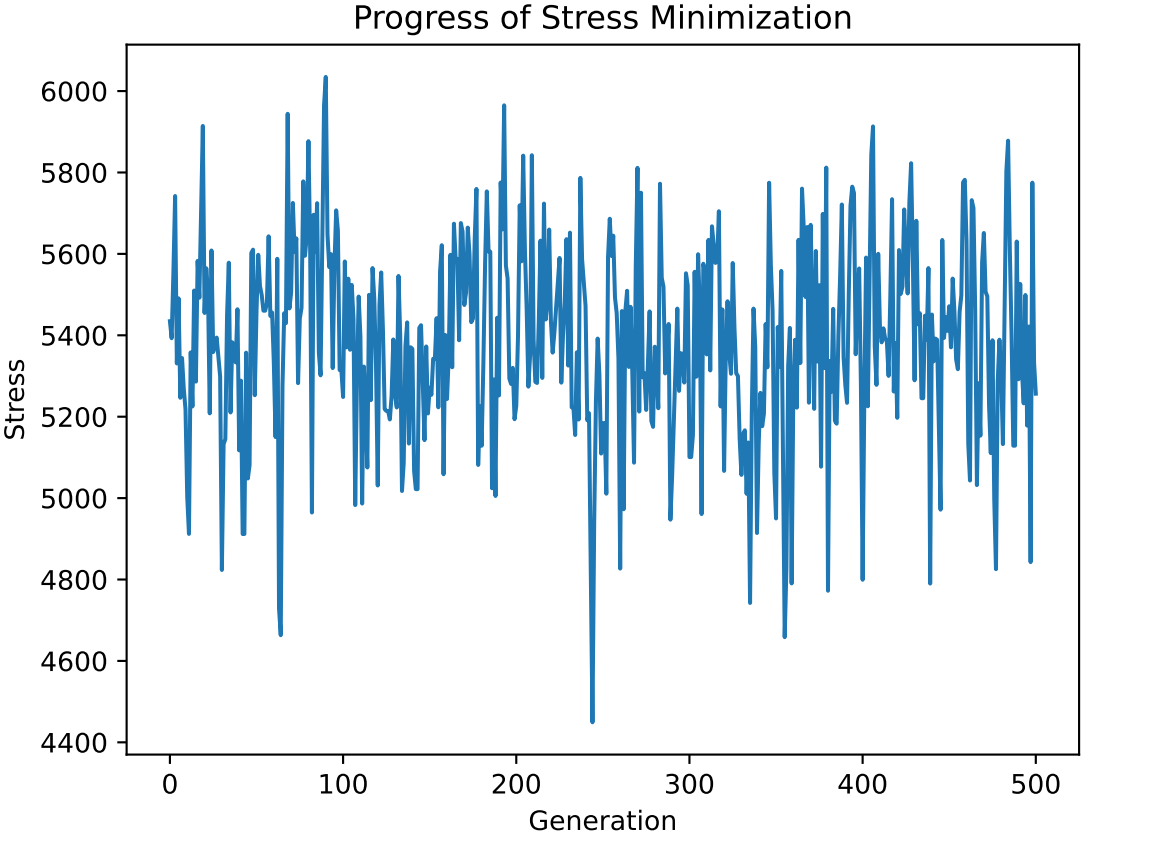
Objective: 1 | popSize: 150 | eliteSize: 10 | mutationRate: 0.001 | generations: 500

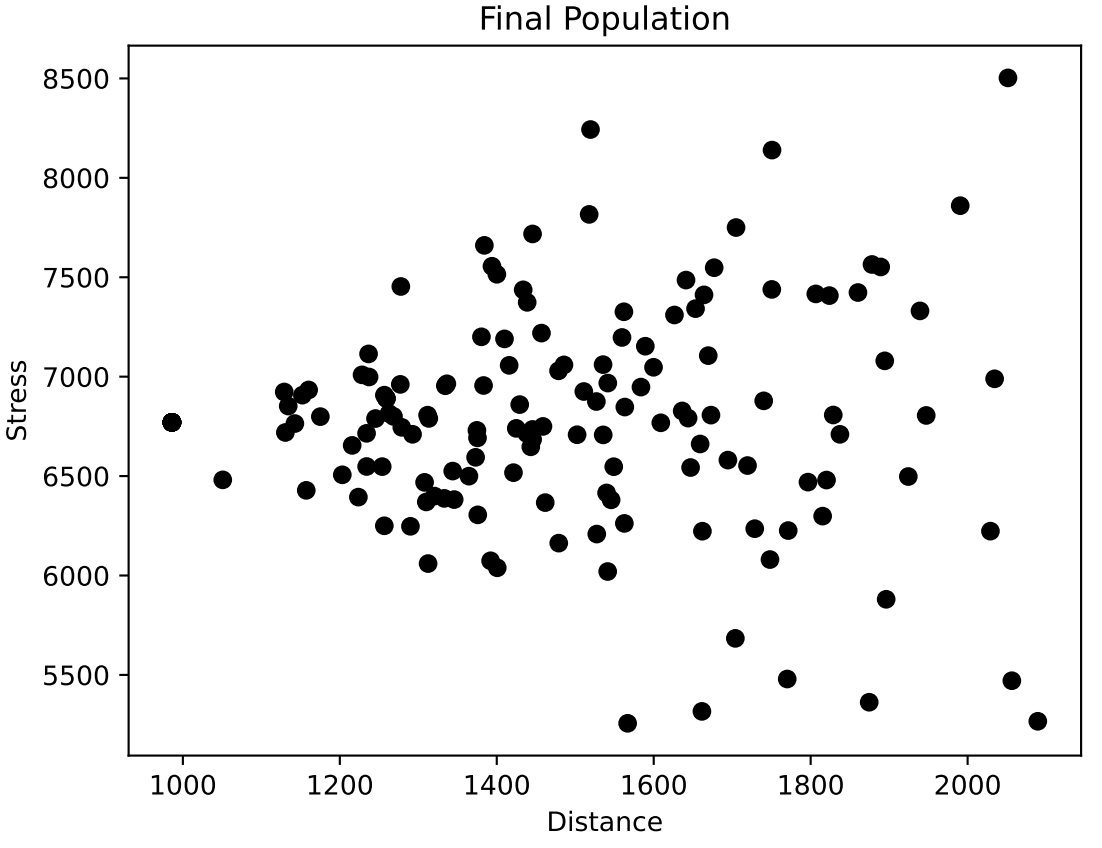

Best initial route
Y-Coordinate
X-Coordinate
0
25
50
75
100
125
150
175
200
10
8
19
12
15
1
4
21
7
22
14
2
24
16
23
6
3
5
17
13
20
18
25
11
9


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

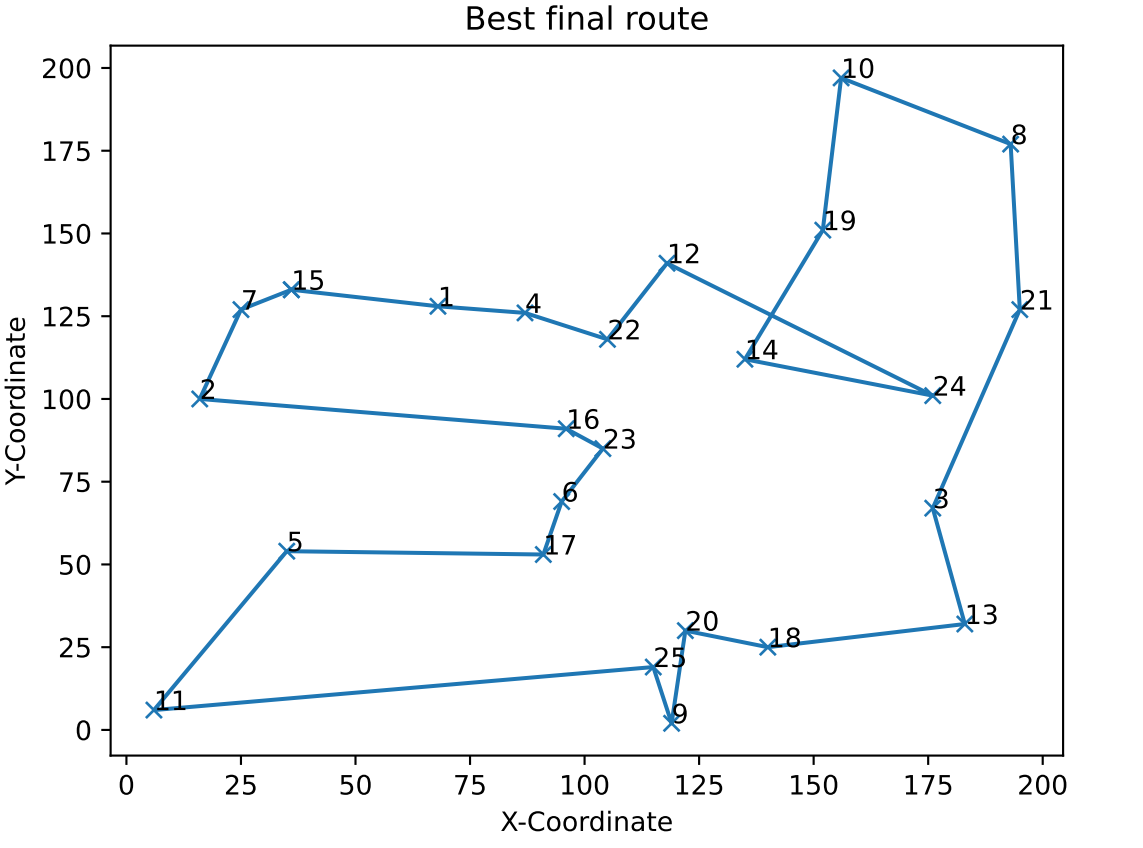

Progress of Distance Minimization
Distance
1800
1600
1400
1200
1000
0
100
200
300
400
500
Generation


Progress of Stress Minimization
Stress
Generation
6000
5800
5600
5400
5200
5000
4800
4600
4400
0
100
200
300
400
500

Initial distance : 1890.2474979672702
Initial stress: 7082.4
Initial objective: 1890.2474979672702
Final objective: 986.0419481119422
Final distance : 986.0419481119424
Final stress: 6770.2


Final Population
Stress
Distance
8500
8000
7500
7000
6500
6000
5500
1000
1200
1400
1600
1800
2000

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


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