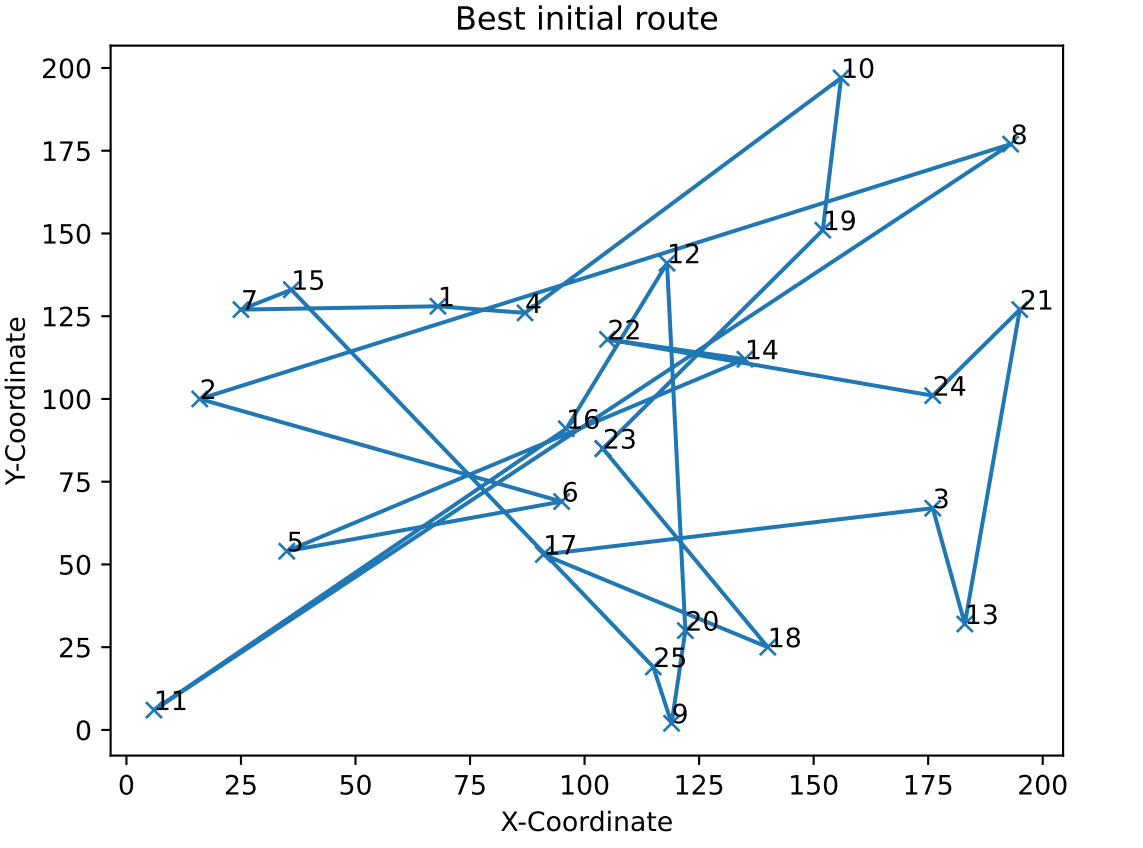
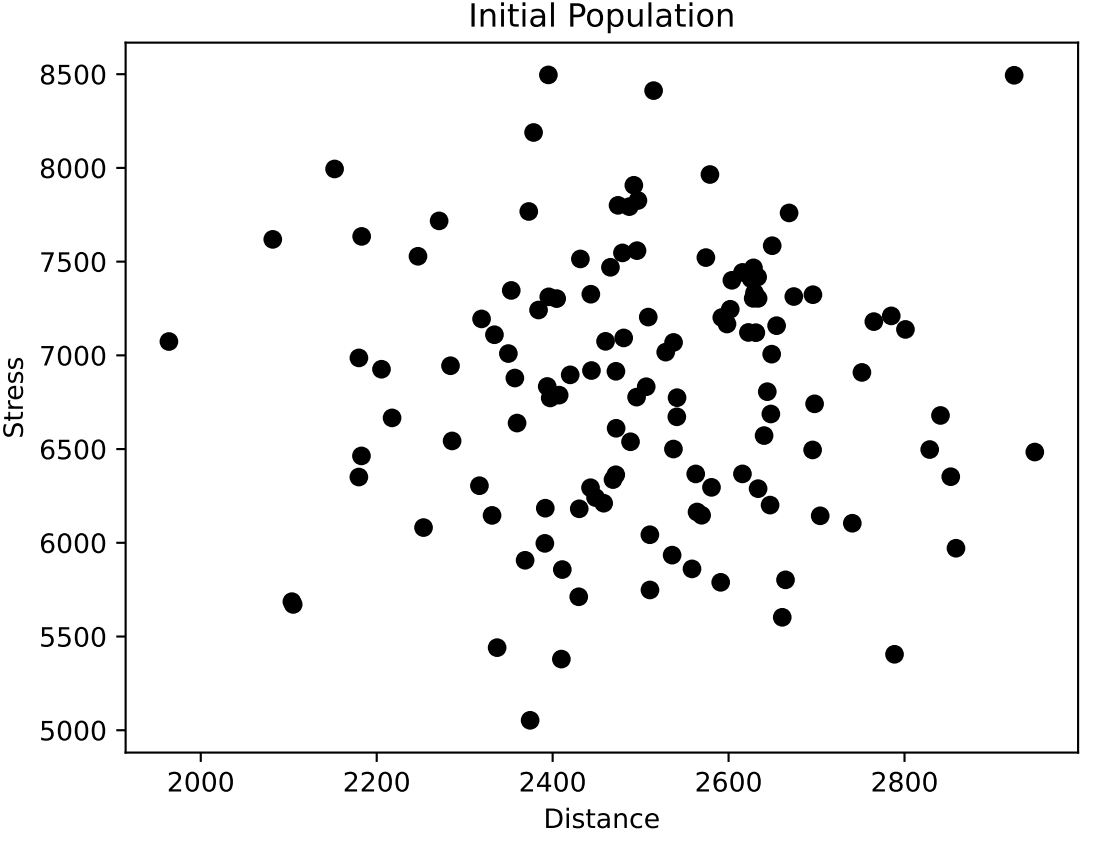
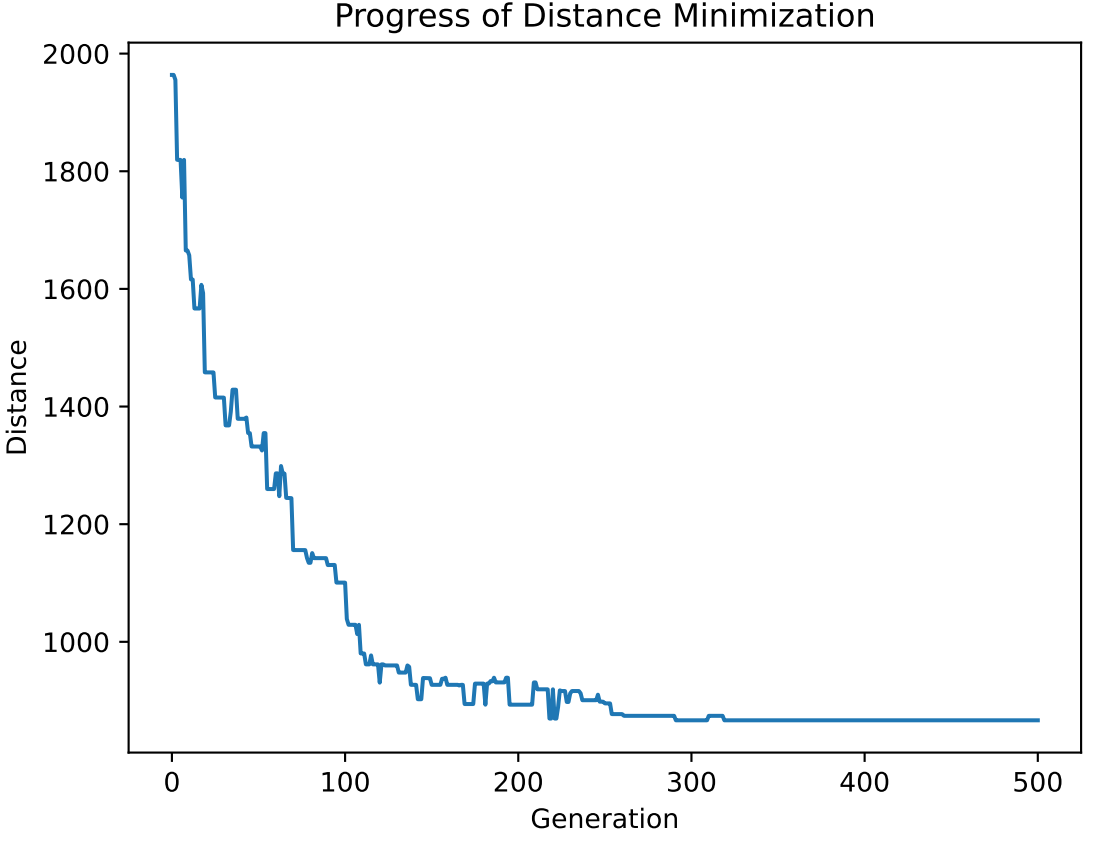
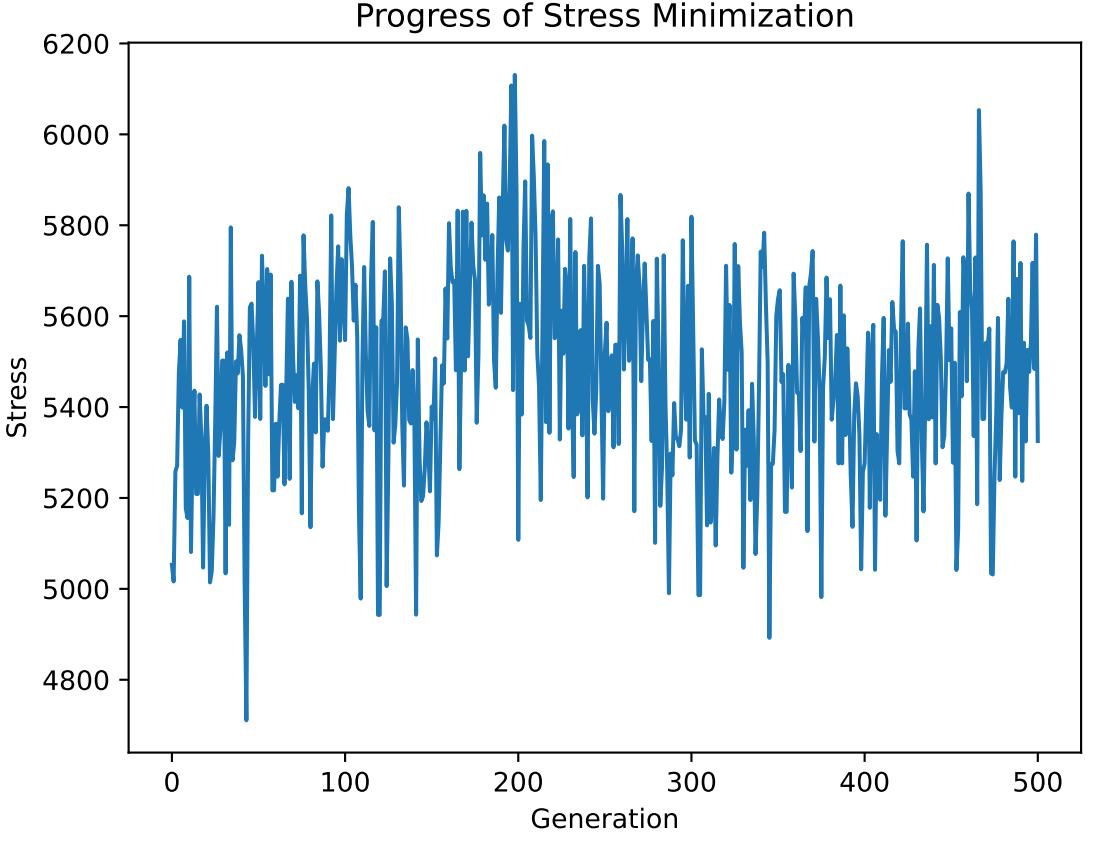
Objective: 1 | popSize: 125 | eliteSize: 30 | mutationRate: 0.01 | generations: 500

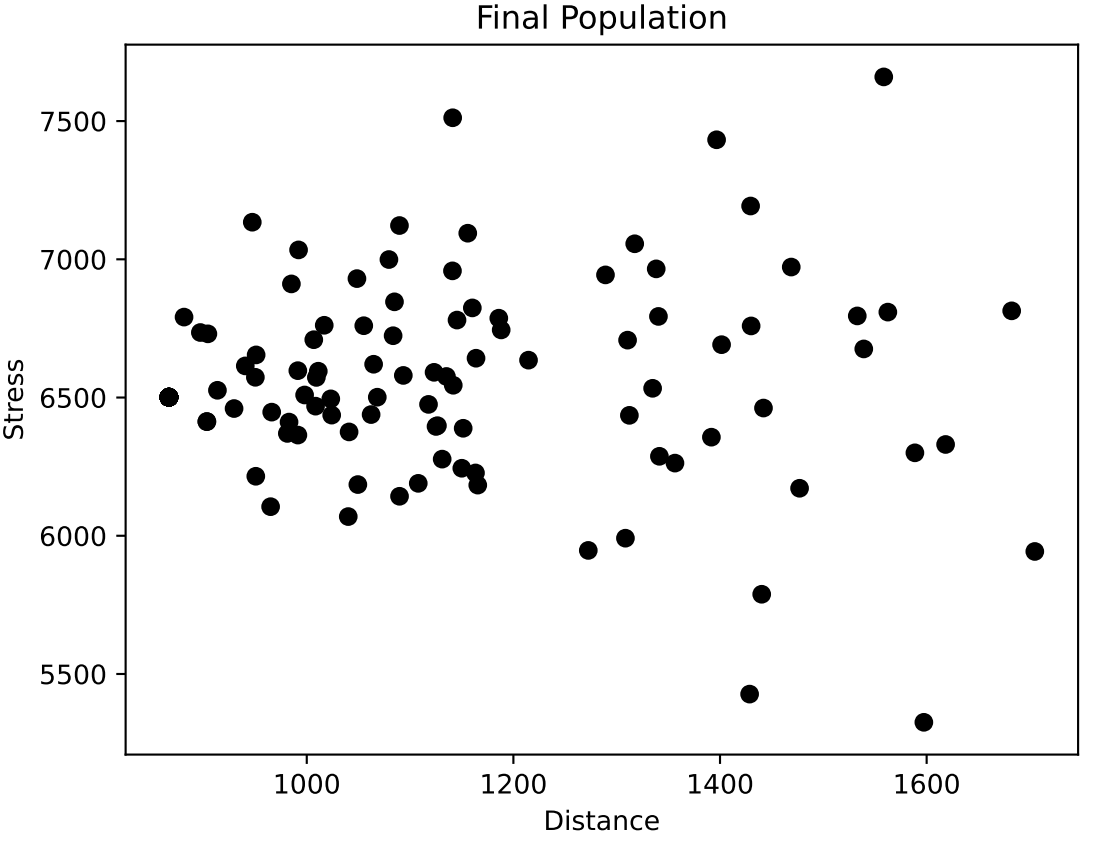

Best initial route
X-Coordinate
Y-Coordinate
0
25
50
75
100
125
150
175
200
10
8
19
12
15
7
1
4
21
22
14
24
2
16
23
6
3
5
17
13
20
18
25
11
9


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

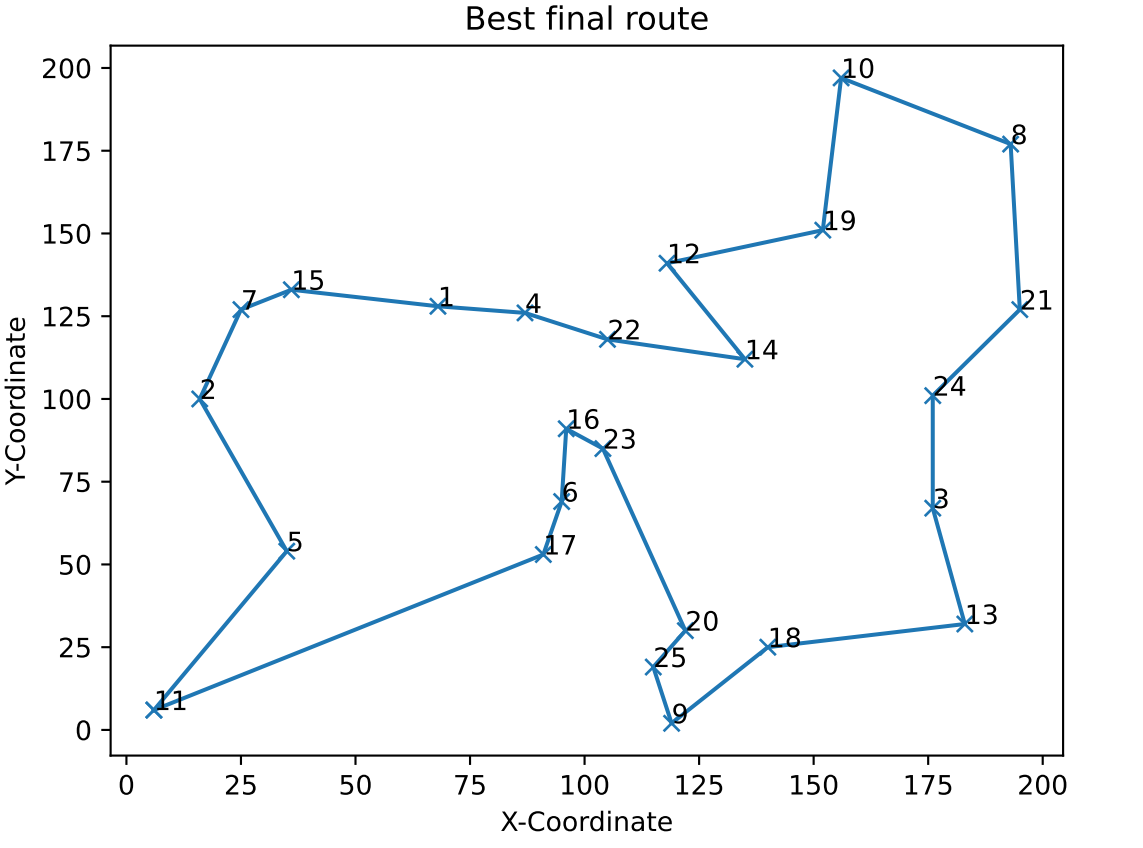

Progress of Distance Minimization
Distance
Generation
2000
1800
1600
1400
1200
1000
0
100
200
300
400
500


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

Initial distance : 1963.7863966031184
Initial stress: 7073.8
Initial objective: 1963.7863966031184
Final objective: 866.5775241690225
Final distance : 866.5775241690225
Final stress: 6501.2


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

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