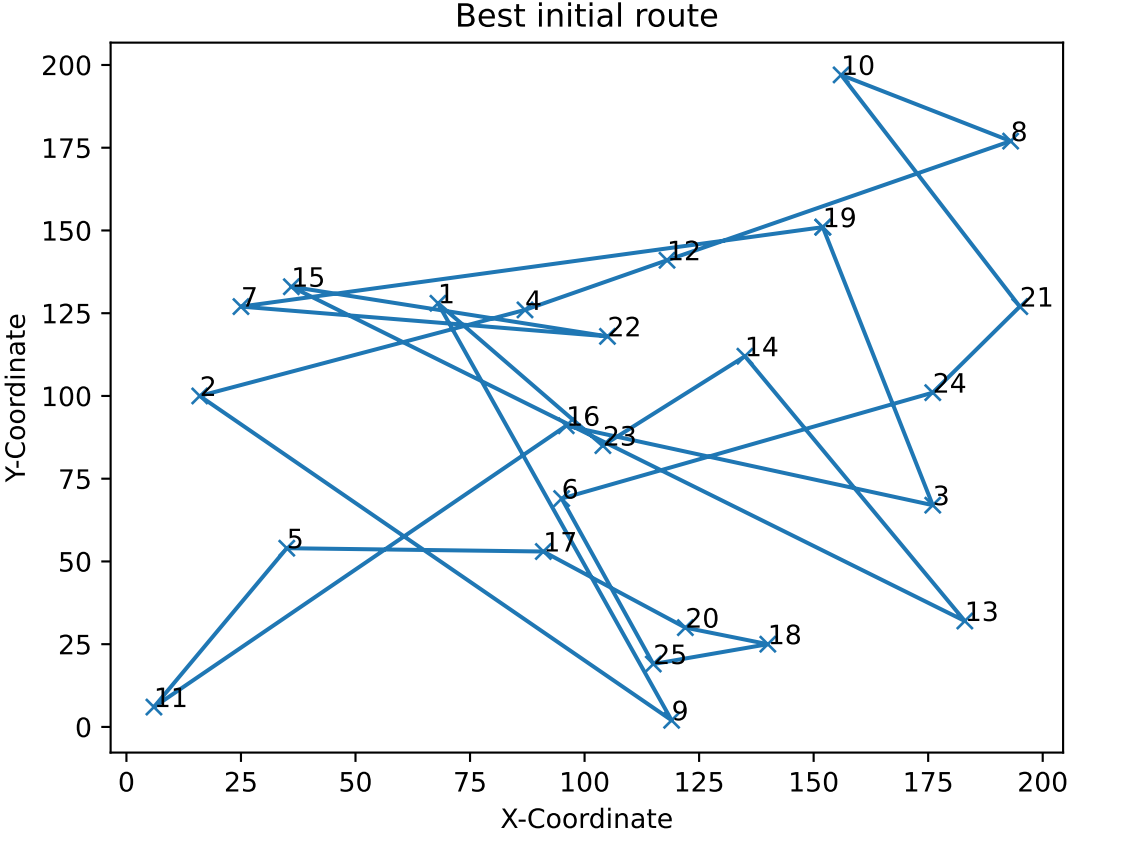
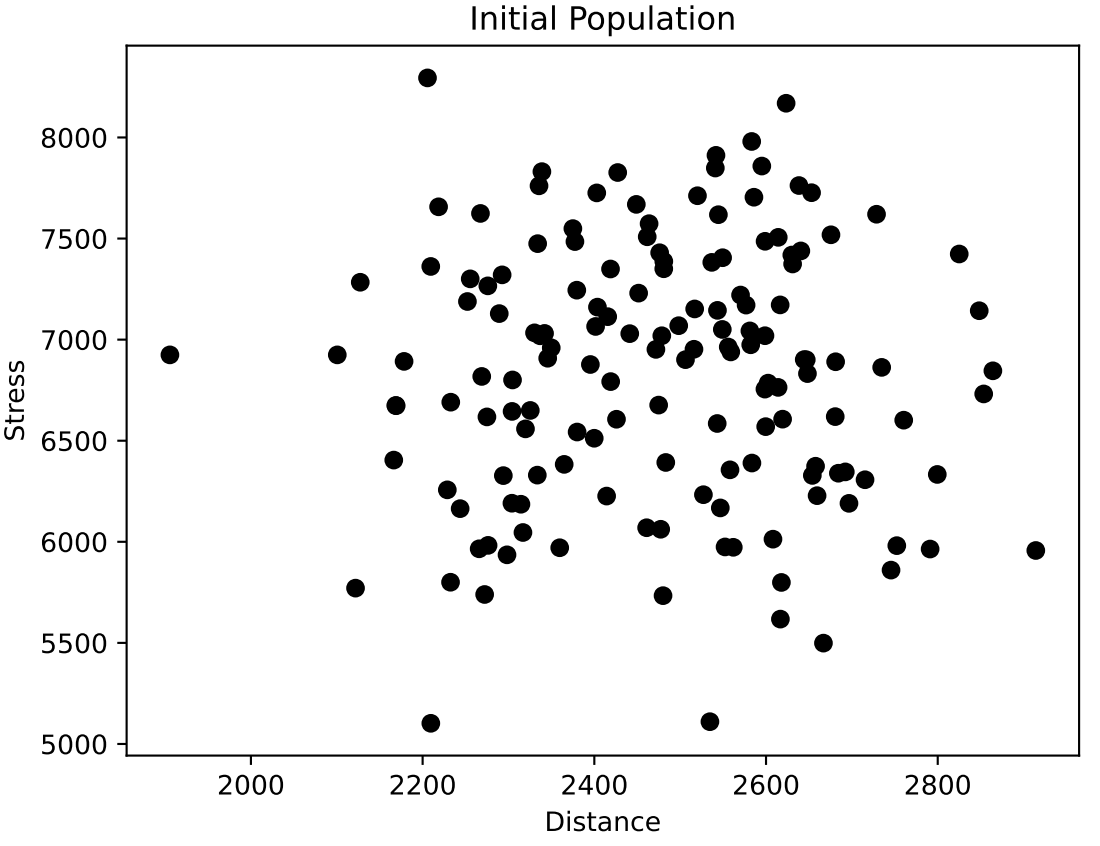
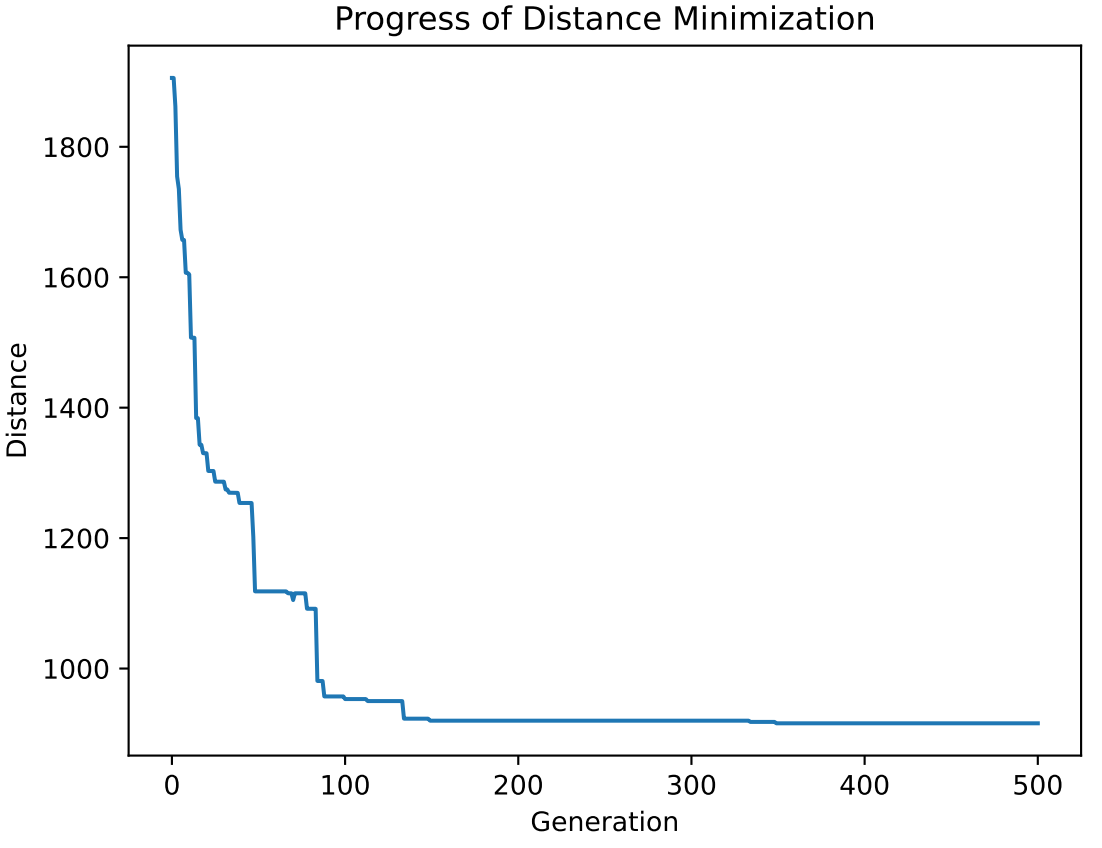
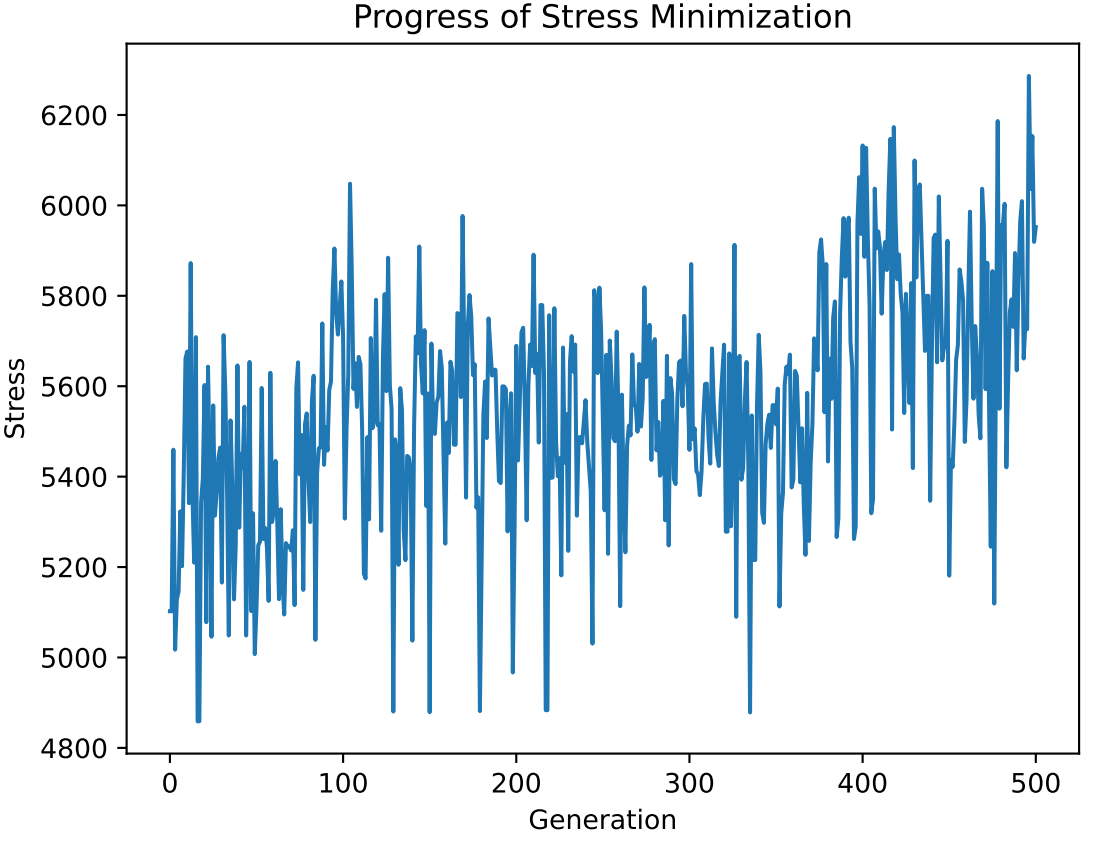
Objective: 1 | popSize: 150 | eliteSize: 20 | mutationRate: 0.001 | generations: 500

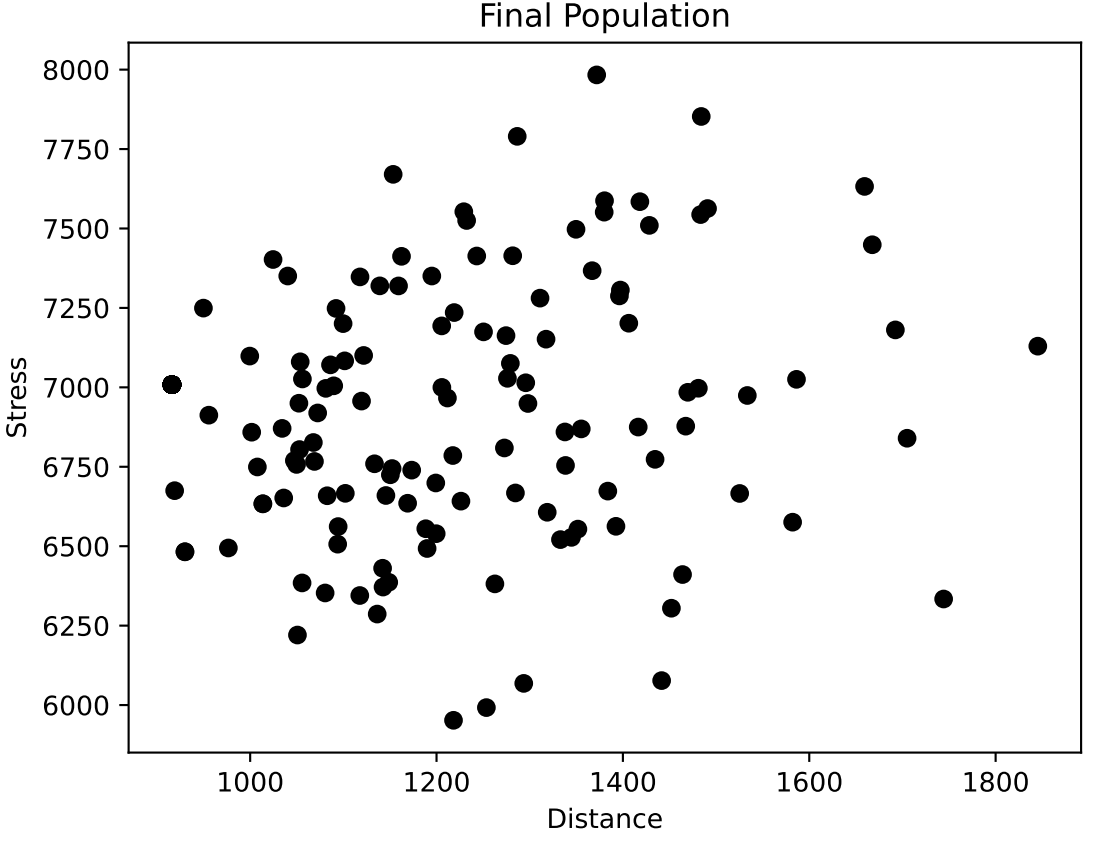

Best initial route
Y-Coordinate
X-Coordinate
0
25
50
75
100
125
150
175
200
10
8
19
12
15
7
1
4
22
21
14
24
2
16
23
6
3
5
17
20
18
13
25
11
9


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

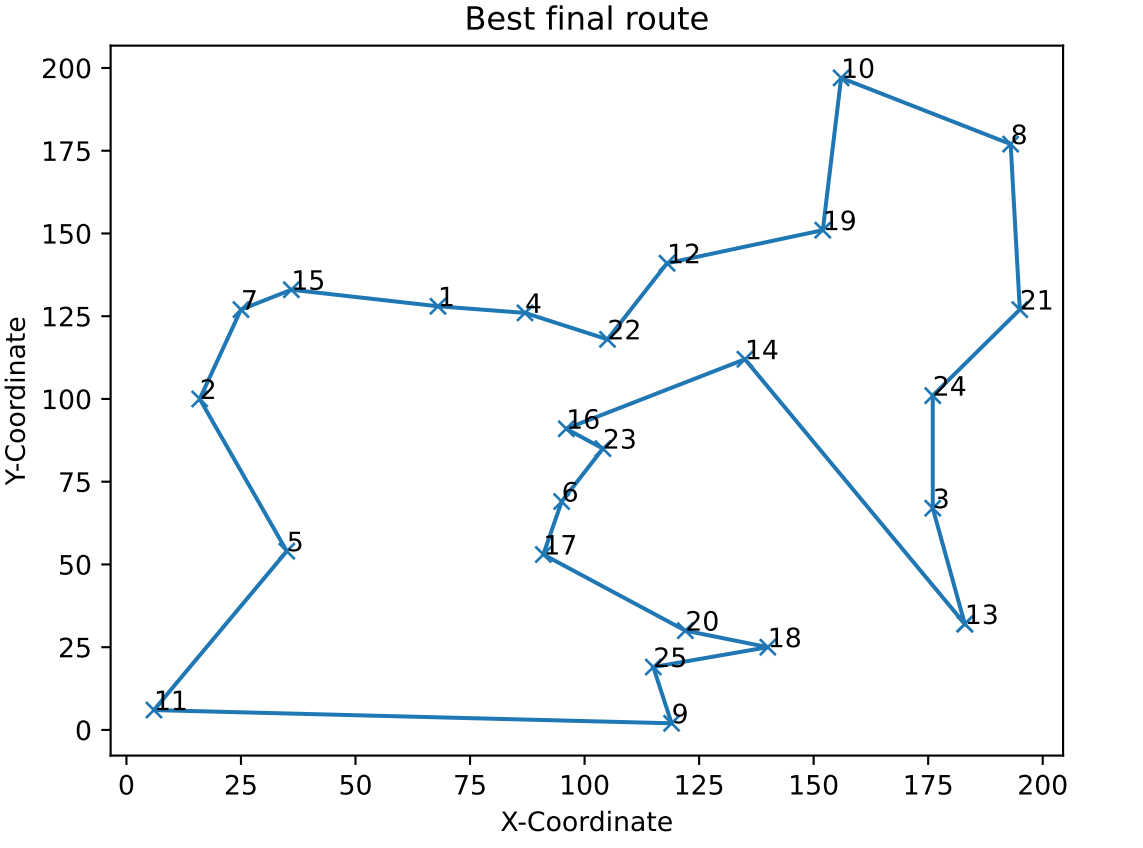

Progress of Distance Minimization
Distance
1800
1600
1400
1200
1000
0
100
200
300
400
500
Generation


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

Initial distance : 1905.6429451598394
Initial stress: 6924.6
Initial objective: 1905.6429451598394
Final objective: 916.0263268600515
Final distance : 916.0263268600517
Final stress: 7008.4


Final Population
Stress
Distance
8000
7750
7500
7250
7000
6750
6500
6250
6000
1000
1200
1400
1600
1800

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


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
21
14
24
2
16
23
6
3
5
17
13
20
18
25
11
9