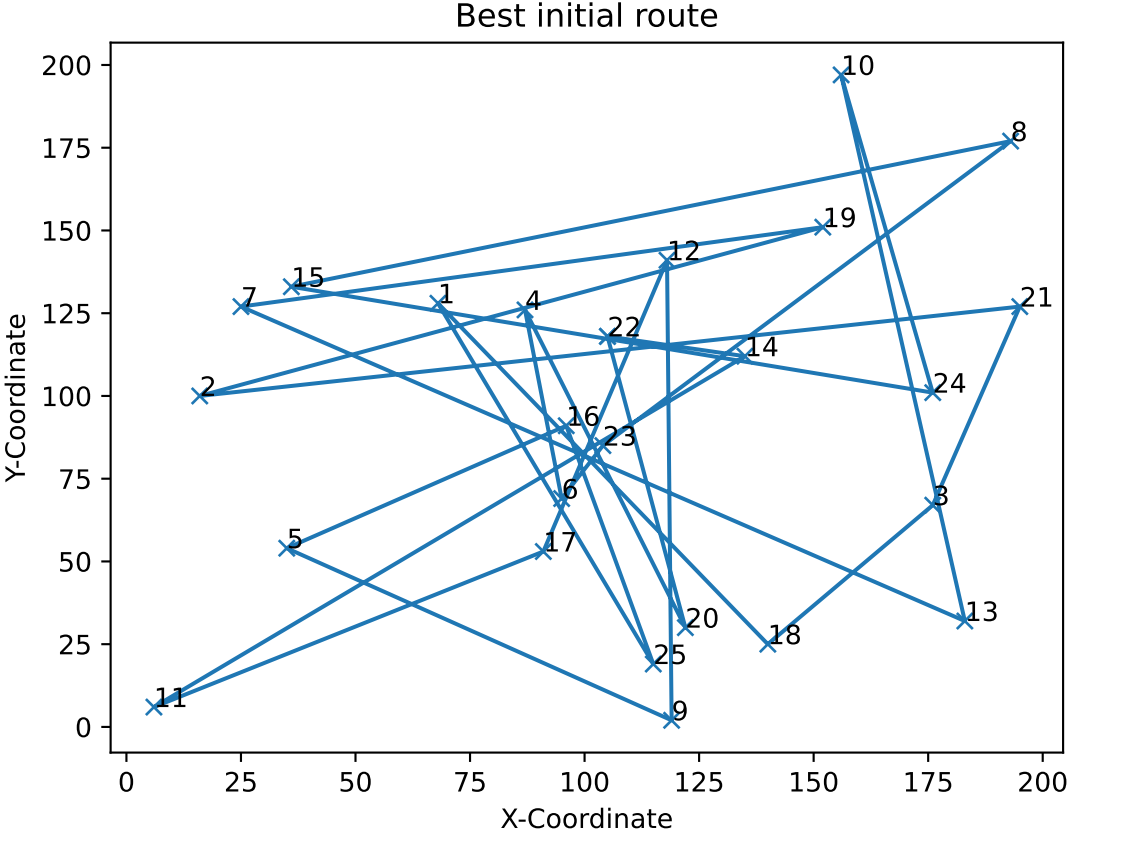
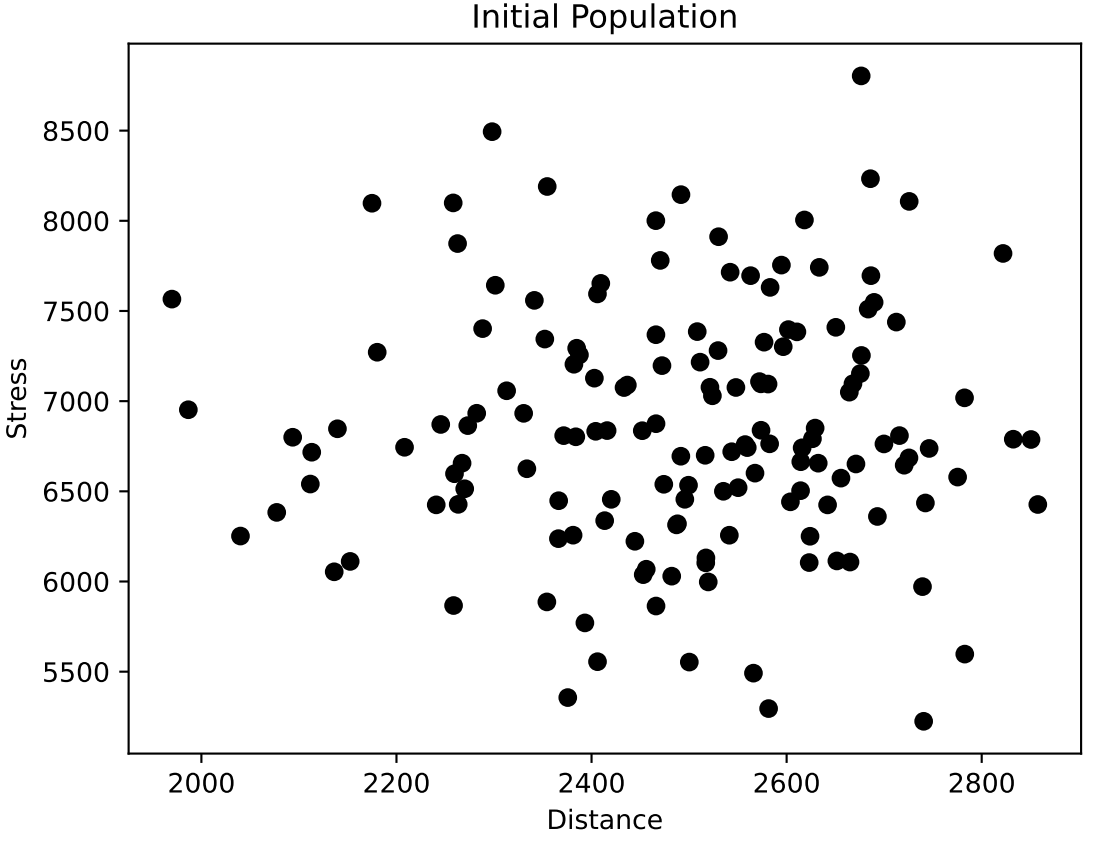
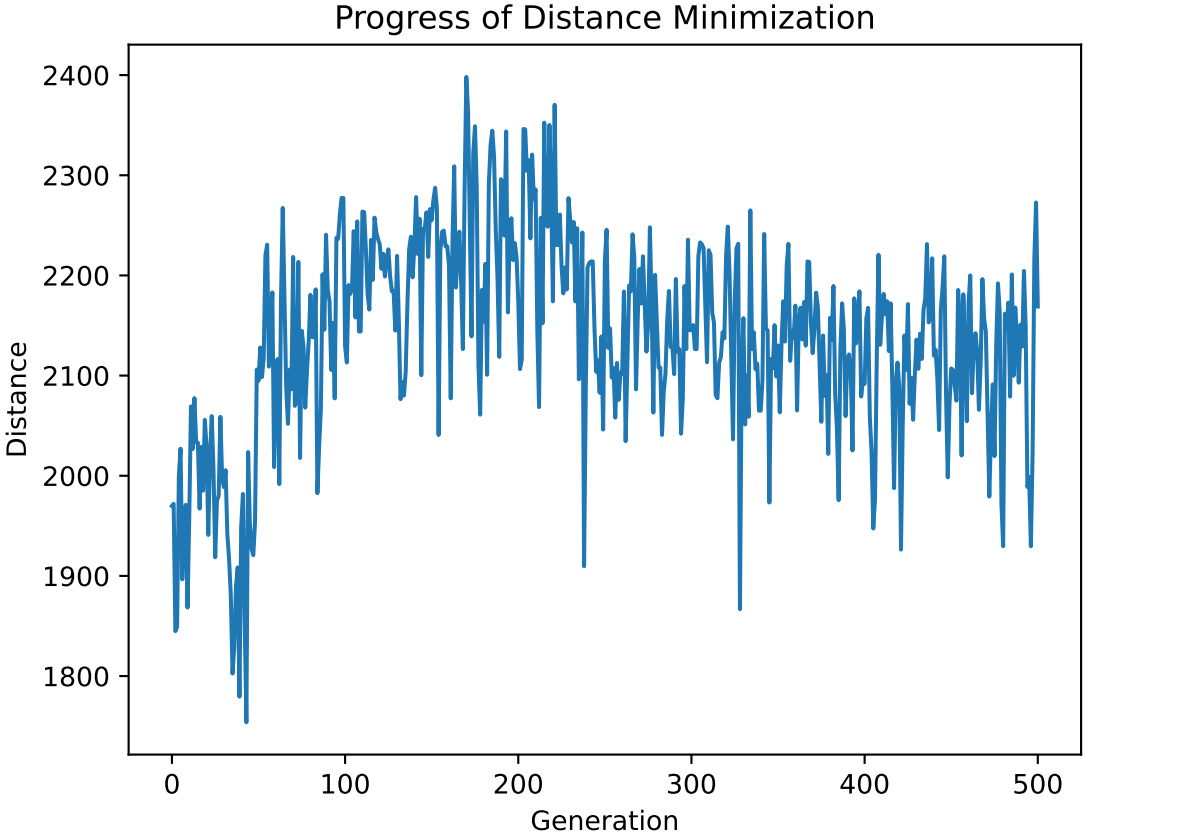
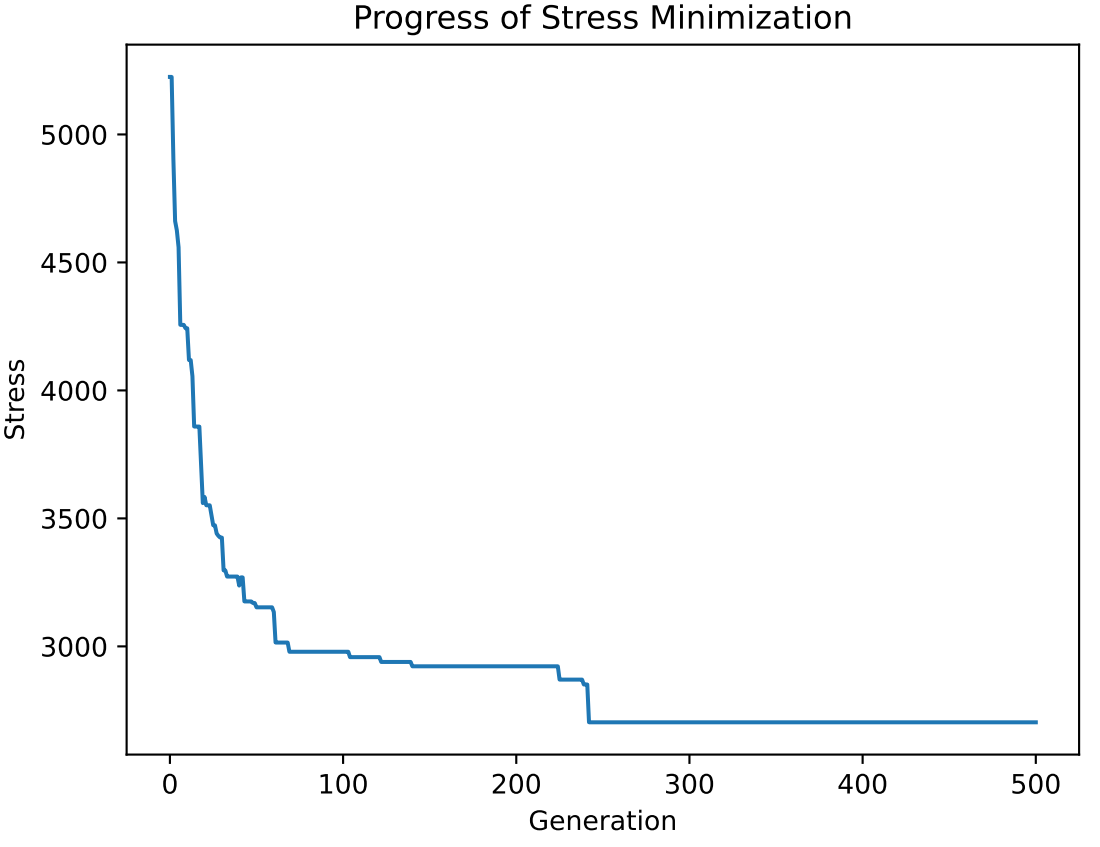
Objective: 2 | popSize: 150 | eliteSize: 20 | mutationRate: 0.001 | generations: 500

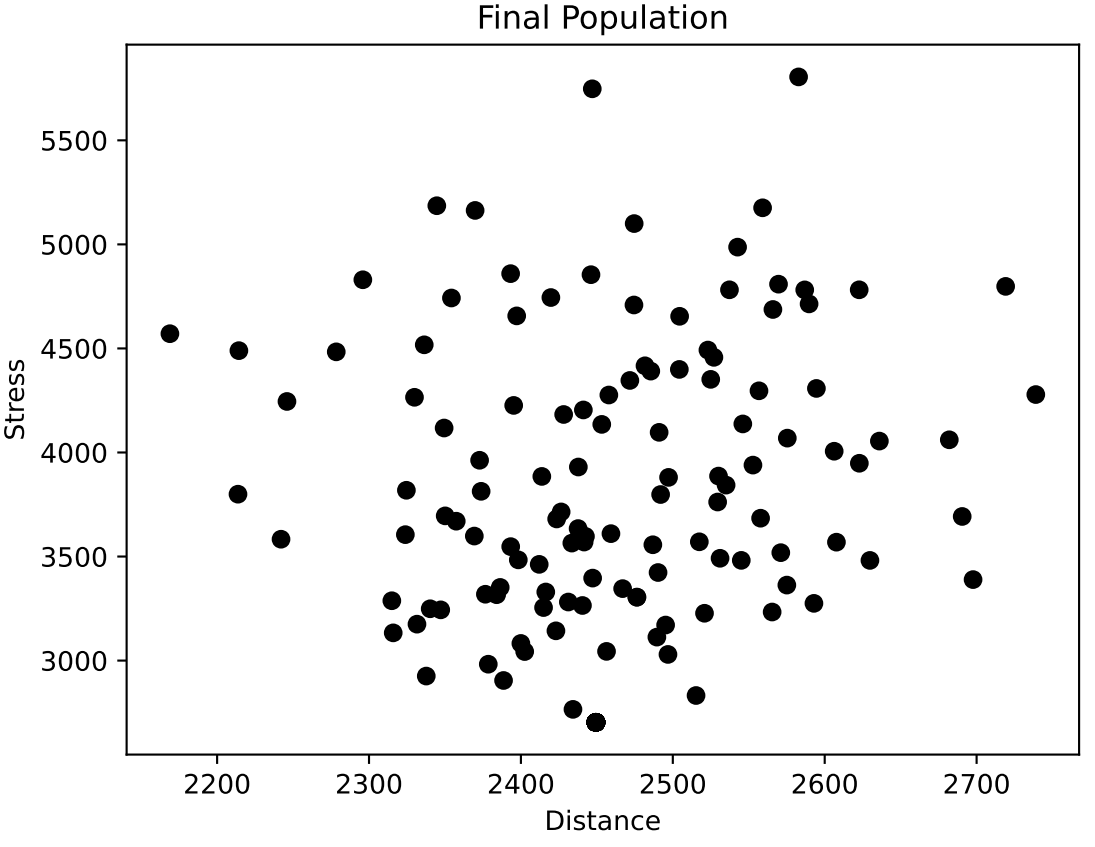

Best initial route
Y-Coordinate
X-Coordinate
0
25
50
75
100
125
150
175
200
10
8
19
12
15
7
1
4
21
22
14
2
24
16
23
6
3
5
17
13
20
18
25
11
9


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

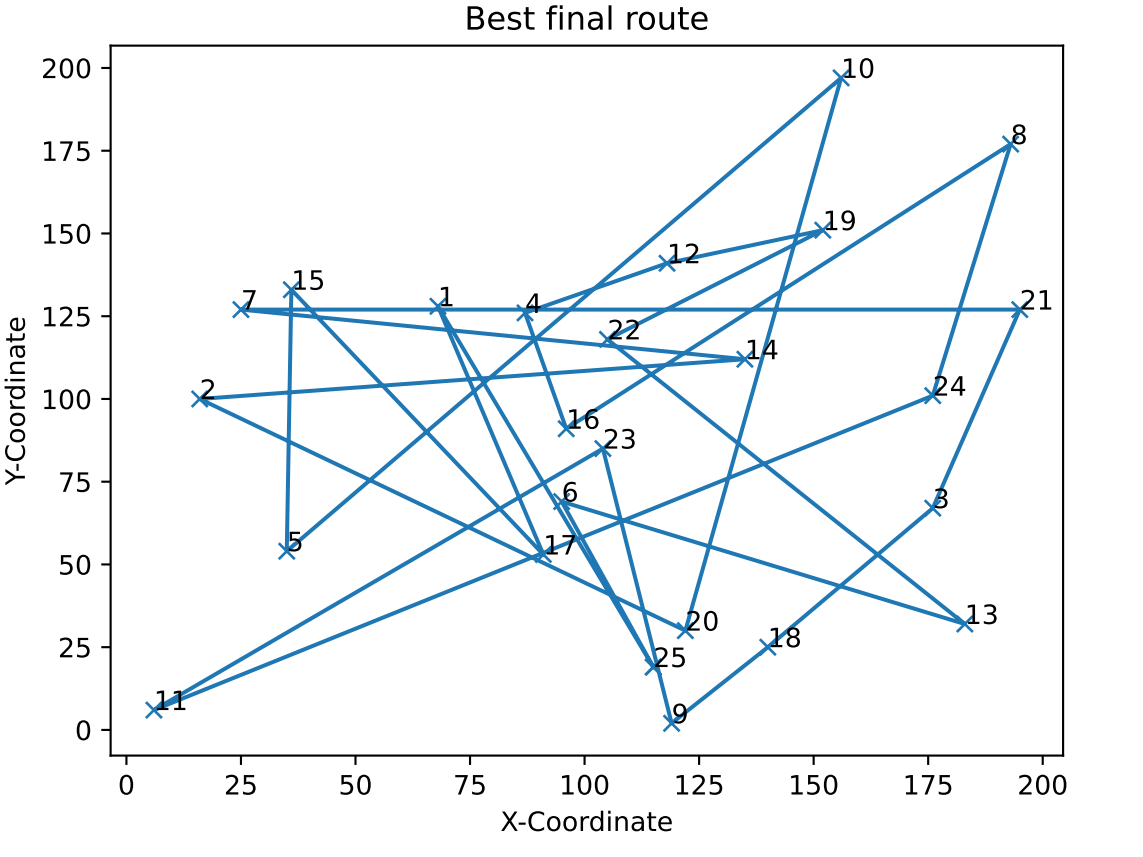

Progress of Distance Minimization
Distance
Generation
2400
2300
2200
2100
2000
1900
1800
0
100
200
300
400
500


Progress of Stress Minimization
Stress
5000
4500
4000
3500
3000
0
100
200
300
400
500
Generation

Initial distance : 2740.491933969449
Initial stress: 5224.8
Initial objective: 5224.8
Final objective: 2703.3999999999996
Final distance : 2449.3737959483155
Final stress: 2703.3999999999996


Final Population
Stress
Distance
5500
5000
4500
4000
3500
3000
2200
2300
2400
2500
2600
2700

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


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