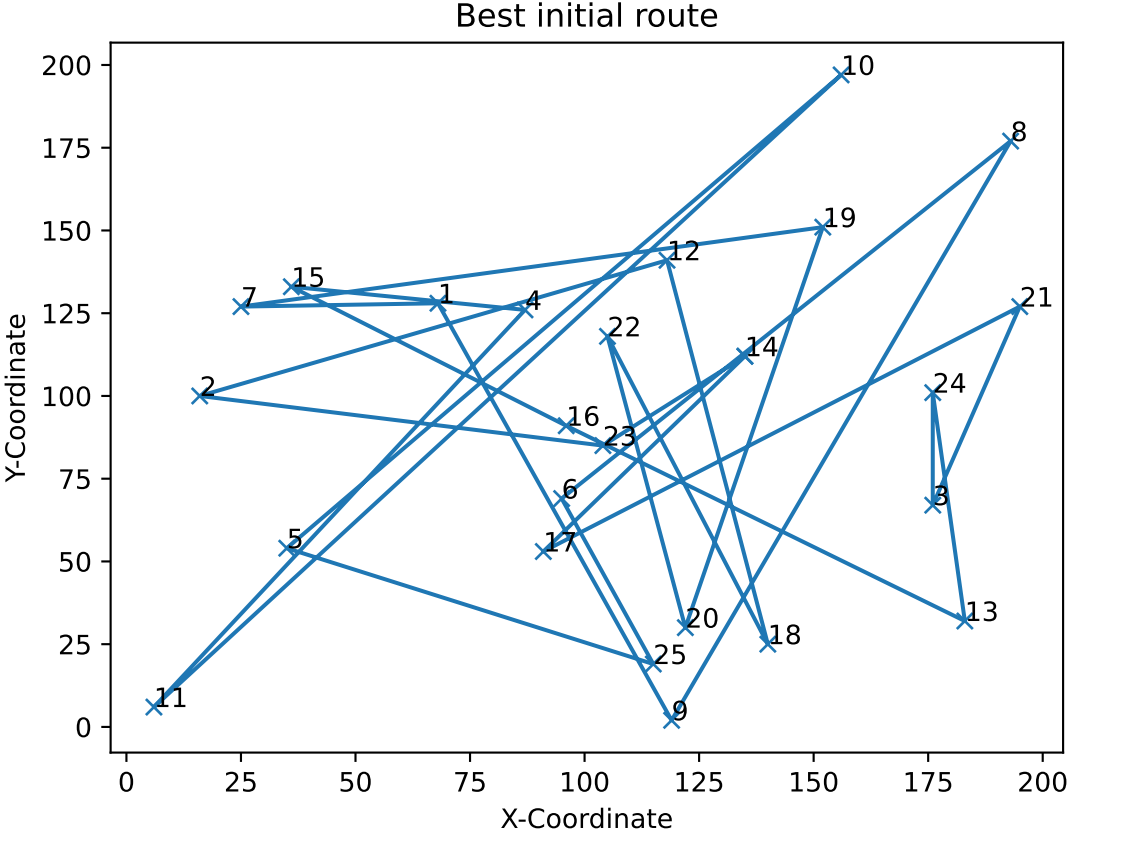
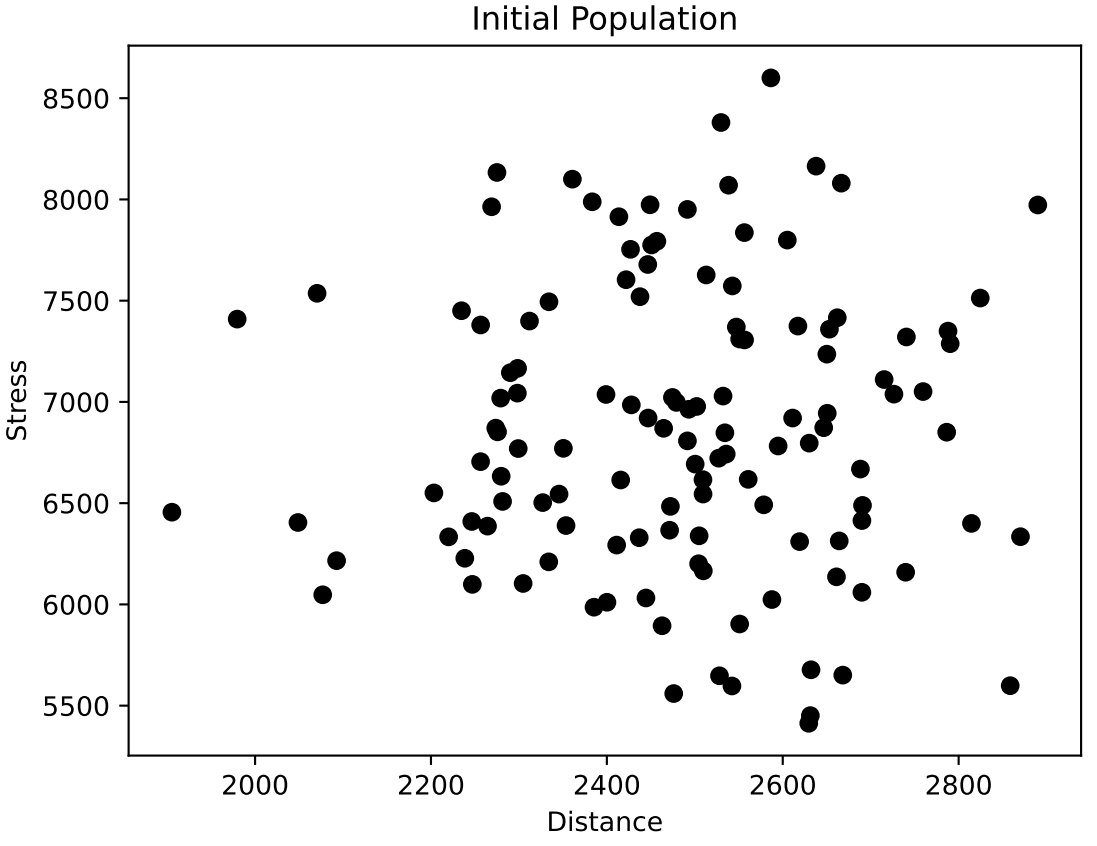
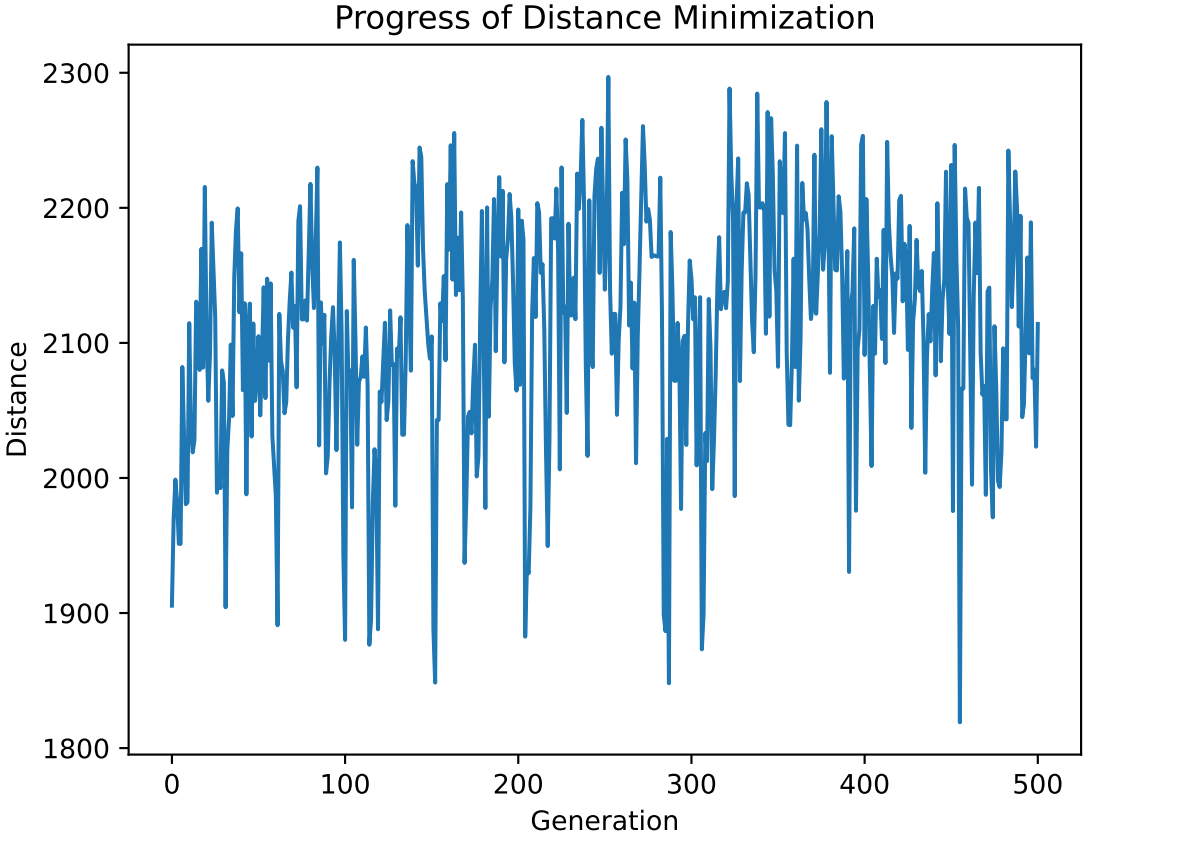
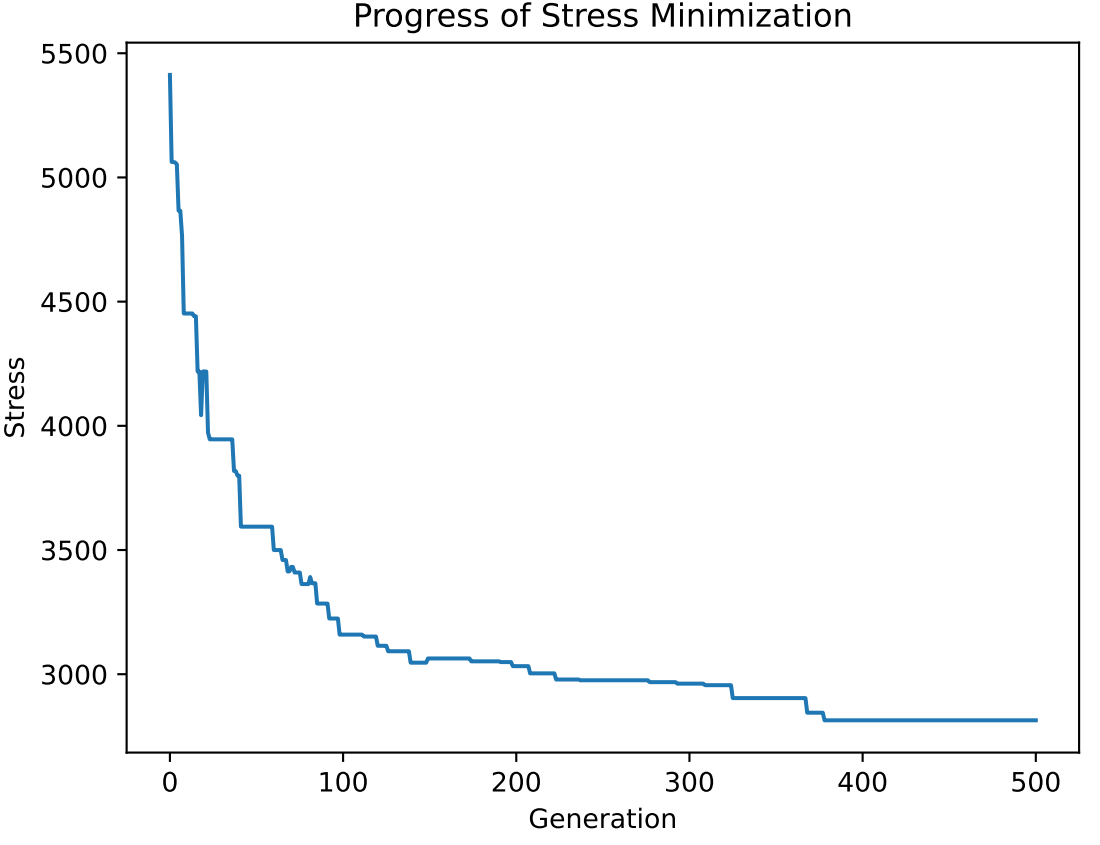
Objective: 2 | popSize: 125 | eliteSize: 10 | mutationRate: 0.001 | generations: 500

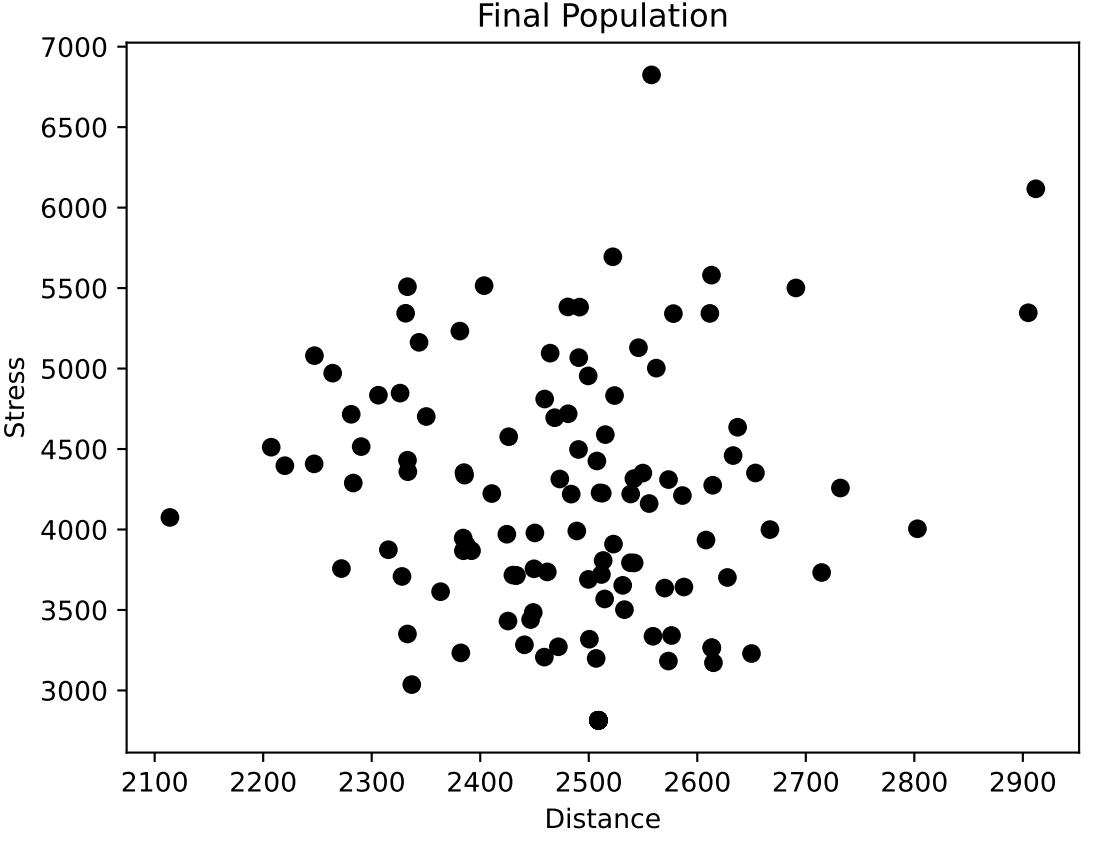

Best initial route
Y-Coordinate
X-Coordinate
0
25
50
75
100
125
150
175
200
10
8
19
12
15
7
1
4
21
22
14
24
2
16
23
6
3
5
17
13
20
18
25
11
9


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

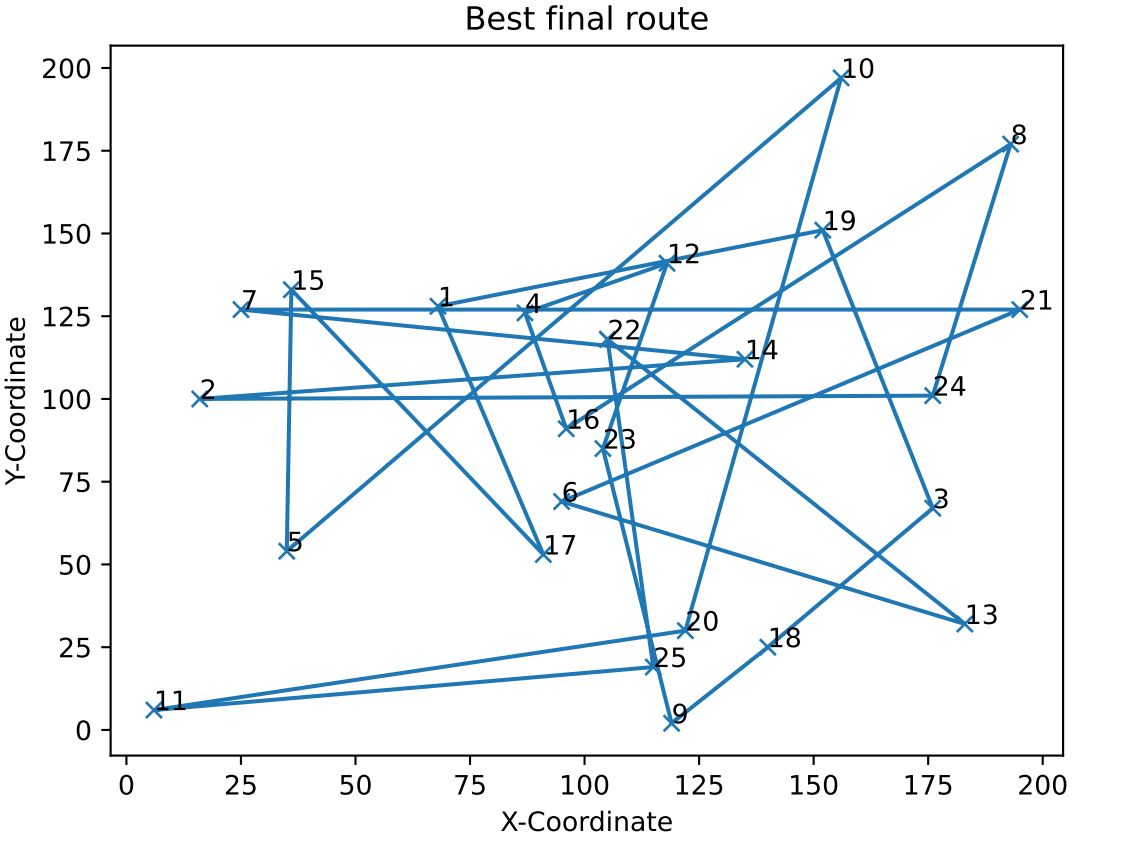

Progress of Distance Minimization
Distance
Generation
2300
2200
2100
2000
1900
1800
0
100
200
300
400
500


Progress of Stress Minimization
Stress
Generation
5500
5000
4500
4000
3500
3000
0
100
200
300
400
500

Initial distance : 2629.5675522142255
Initial stress: 5412.8
Initial objective: 5412.8
Final objective: 2814.3999999999996
Final distance : 2508.8837587266657
Final stress: 2814.3999999999996


Final Population
Stress
Distance
7000
6500
6000
5500
5000
4500
4000
3500
3000
2100
2200
2300
2400
2500
2600
2700
2800
2900

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


Best final 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