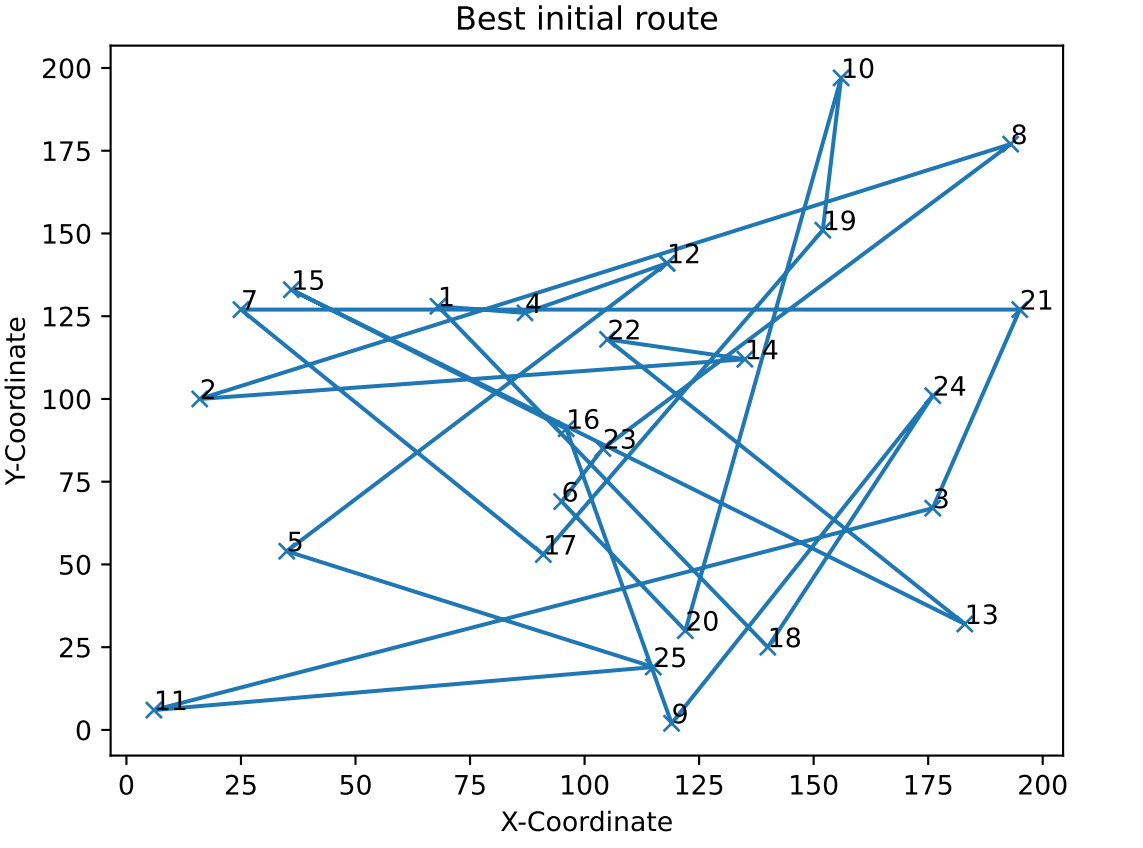
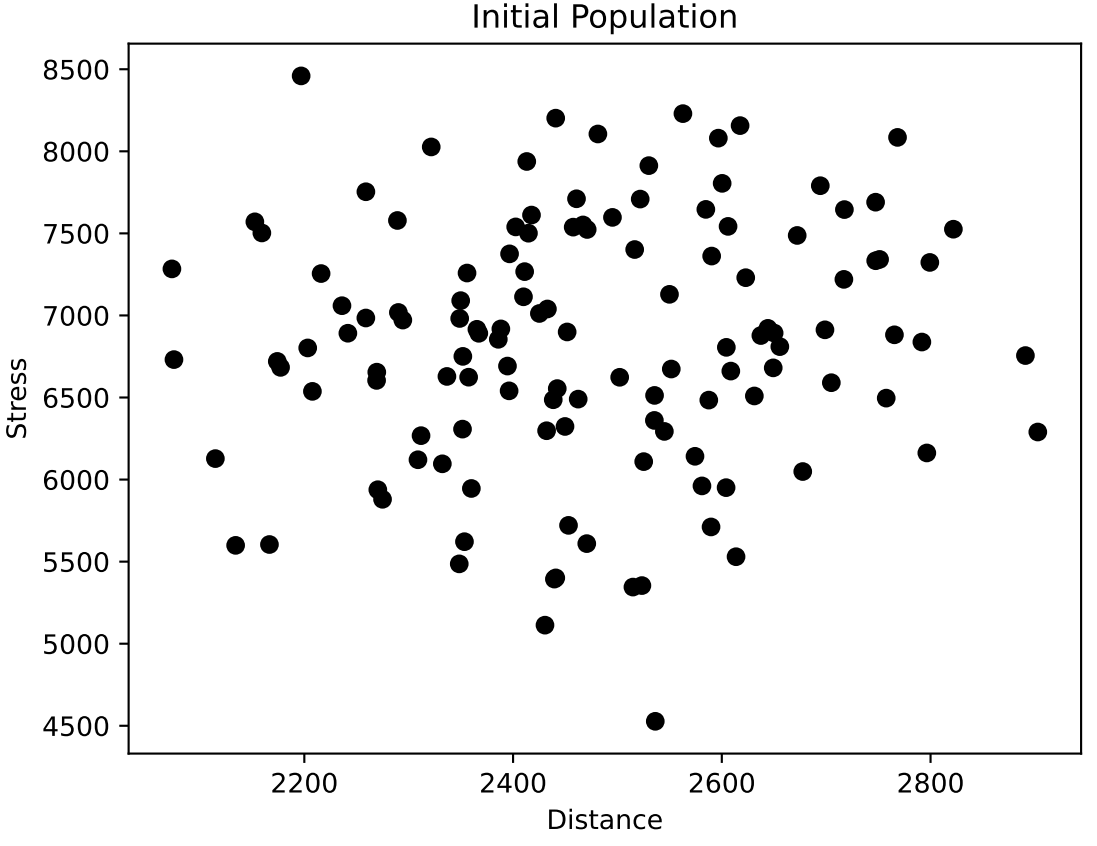
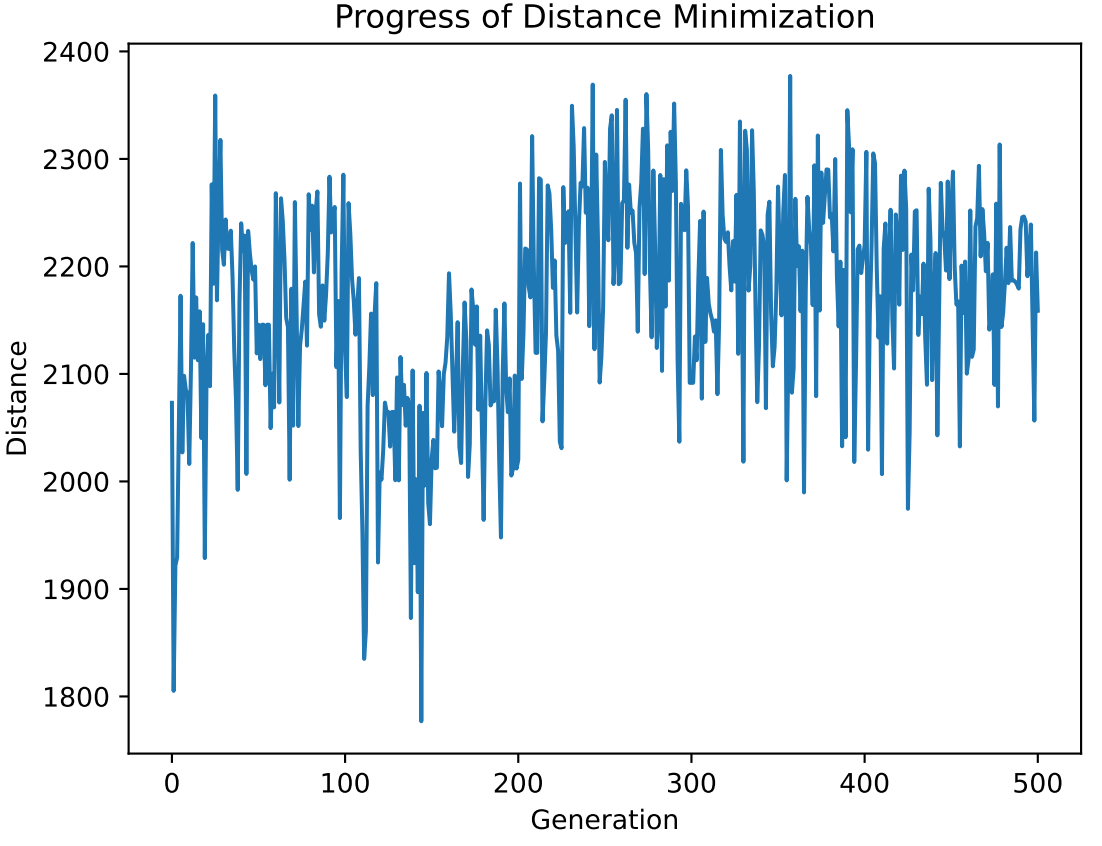
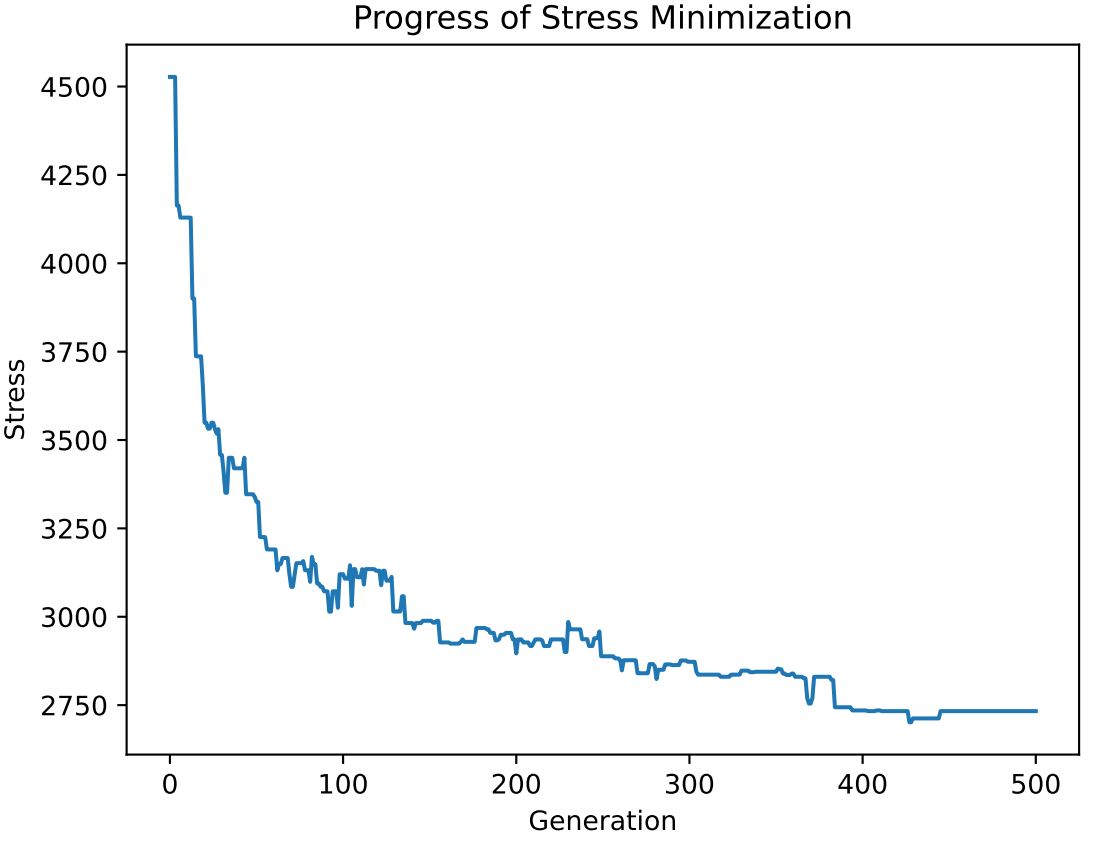
Objective: 2 | popSize: 125 | eliteSize: 30 | mutationRate: 0.01 | generations: 500

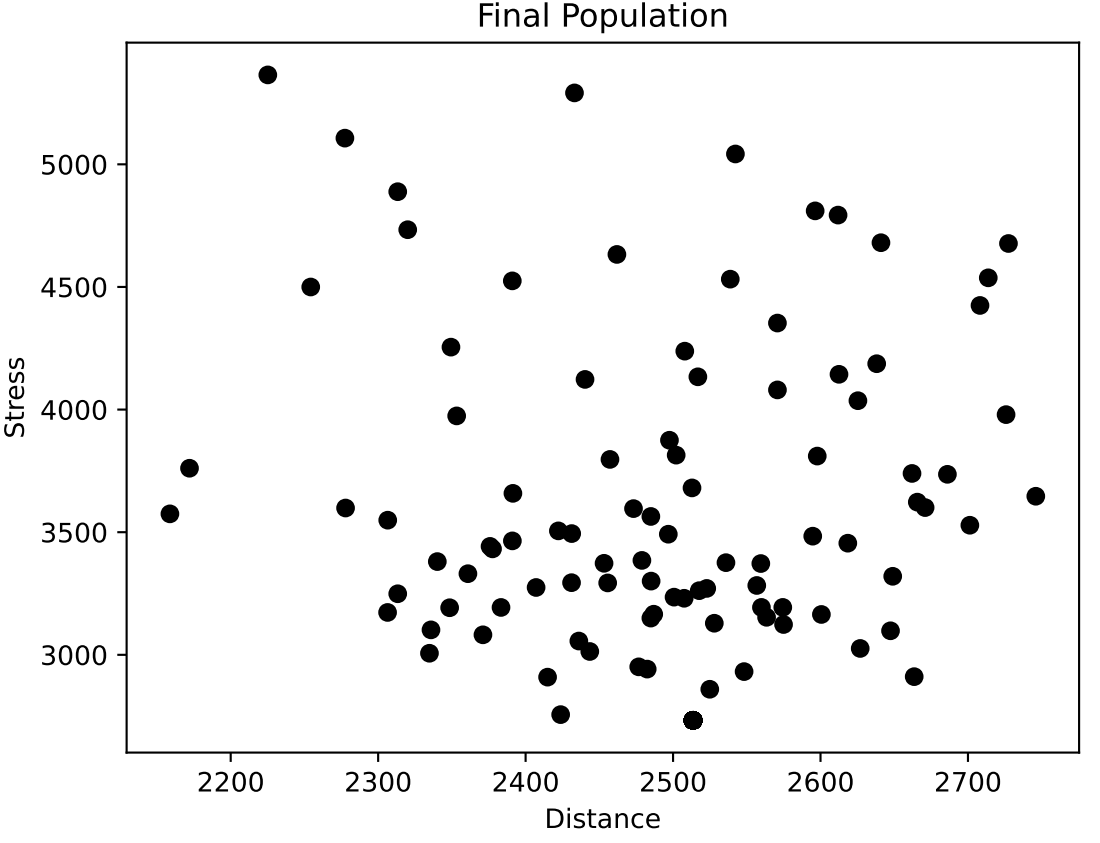

Best initial route
Y-Coordinate
X-Coordinate
0
25
50
75
100
125
150
175
200
10
8
19
12
15
7
1
4
21
22
14
2
24
16
23
6
3
5
17
13
20
18
25
11
9


Initial Population
Stress
Distance
8500
8000
7500
7000
6500
6000
5500
5000
4500
2200
2400
2600
2800

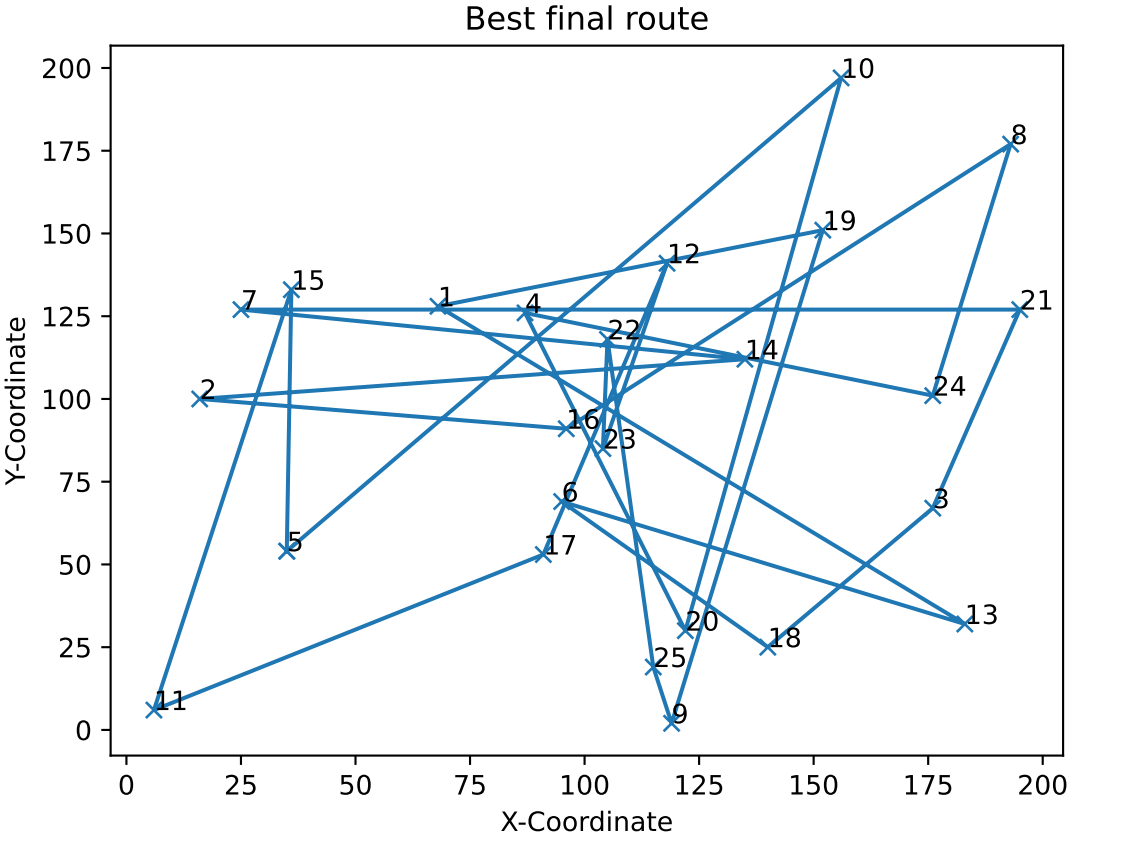

Progress of Distance Minimization
Distance
Generation
2400
2300
2200
2100
2000
1900
1800
0
100
200
300
400
500


Progress of Stress Minimization
Stress
4500
4250
4000
3750
3500
3250
3000
2750
0
100
200
300
400
500
Generation

Initial distance : 2536.25649271882
Initial stress: 4527.200000000001
Initial objective: 4527.200000000001
Final objective: 2732.9999999999995
Final distance : 2513.557216439537
Final stress: 2732.9999999999995


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

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


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