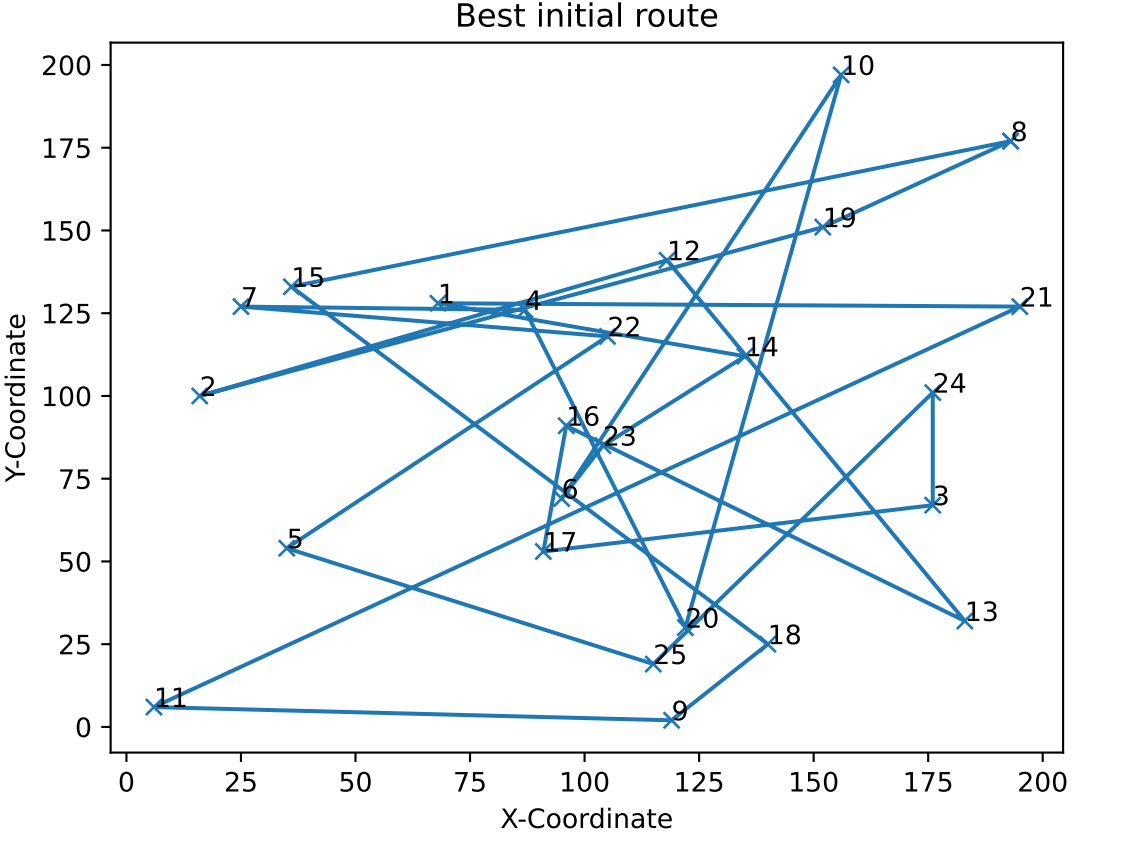
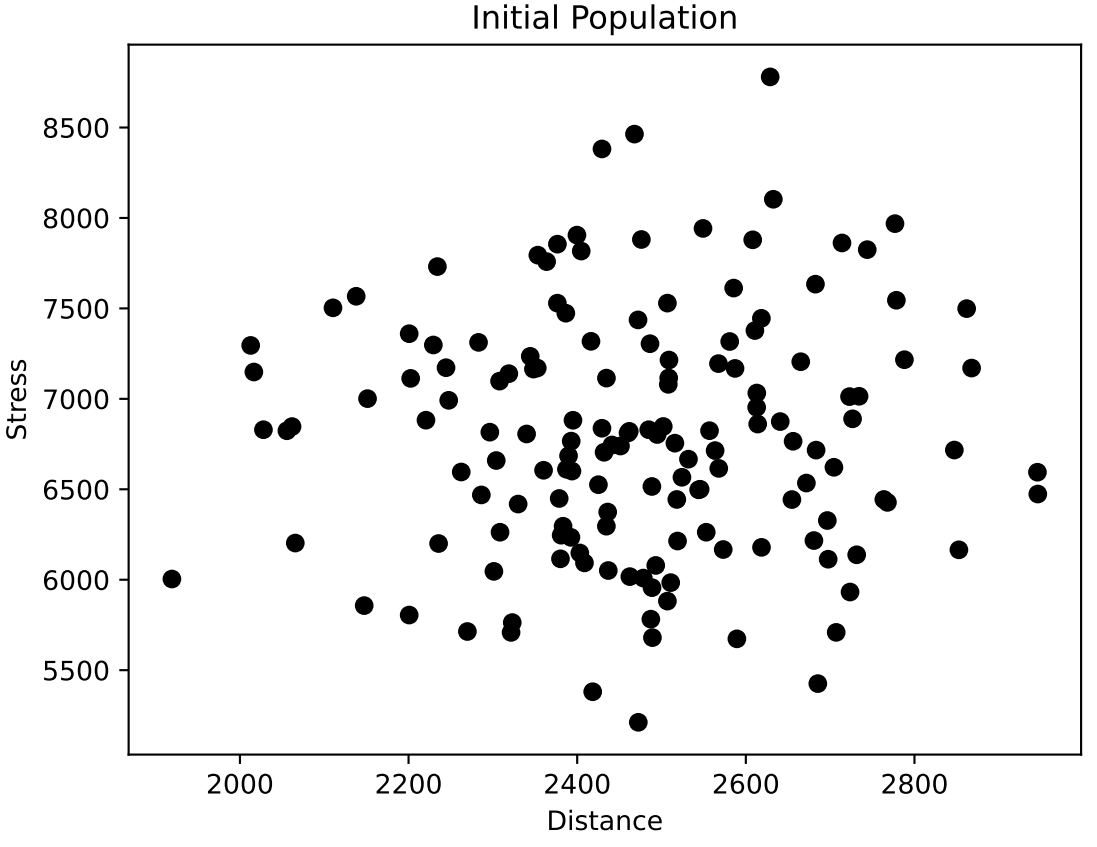
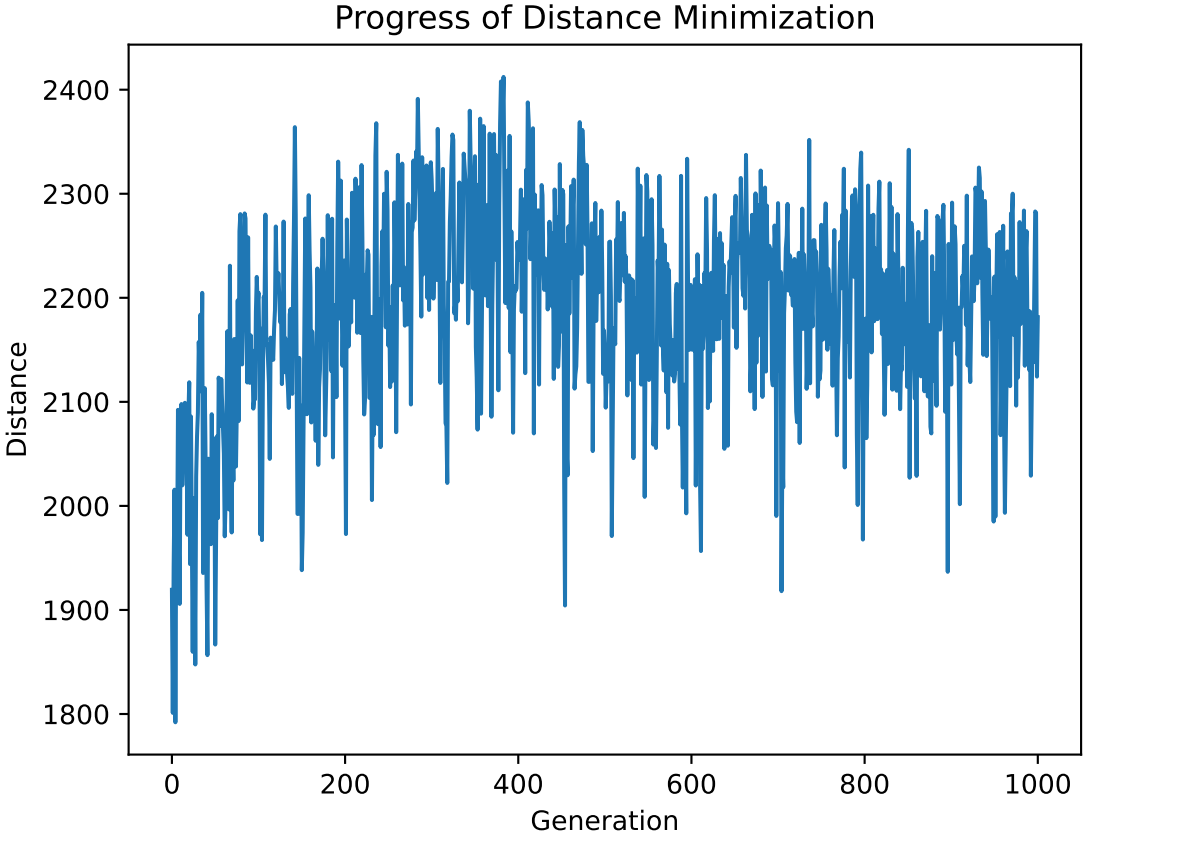
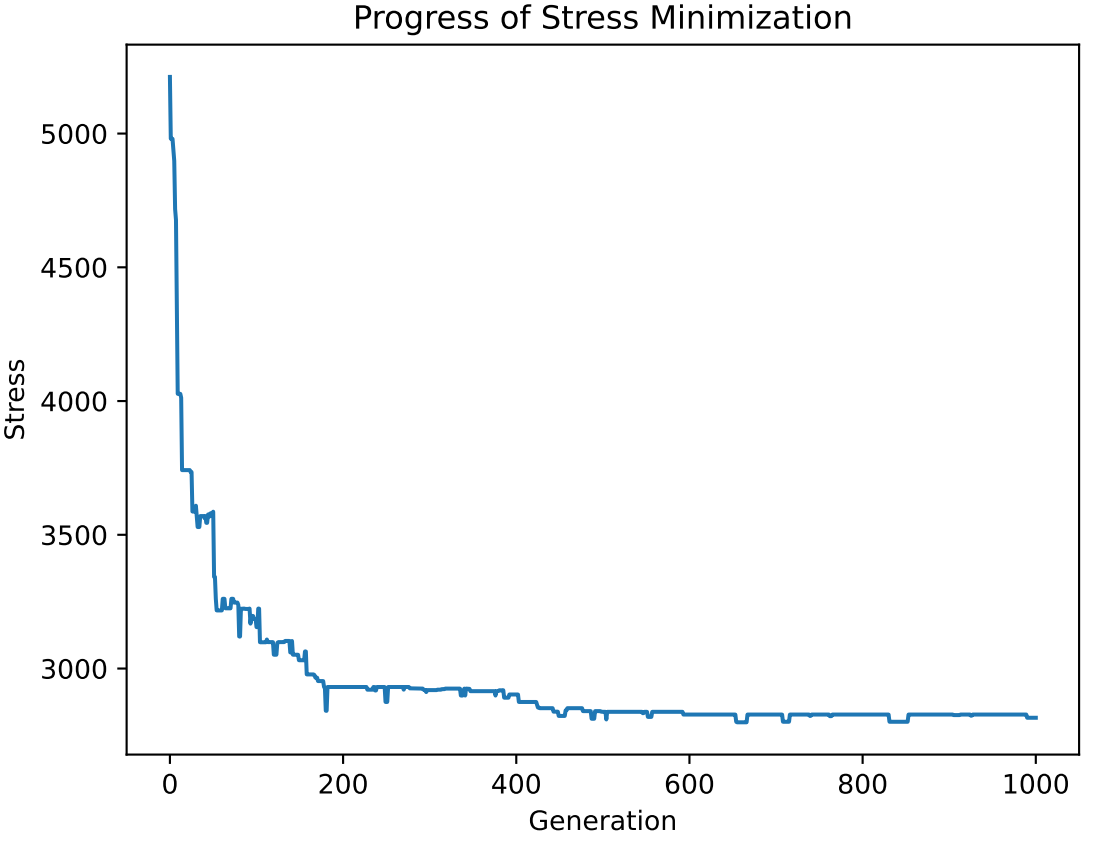
Objective: 2 | popSize: 150 | eliteSize: 20 | mutationRate: 0.01 | generations: 1000

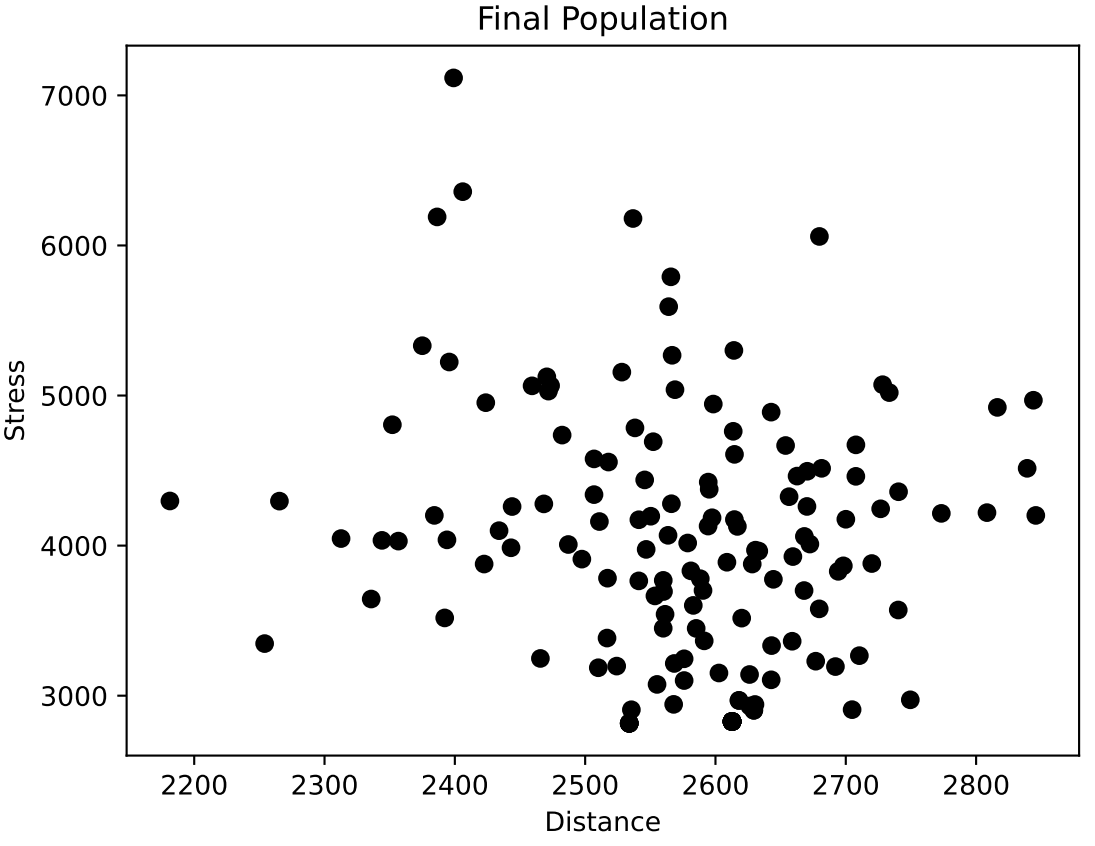

Best initial route
Y-Coordinate
X-Coordinate
0
25
50
75
100
125
150
175
200
10
8
19
12
15
7
1
4
21
22
14
2
24
16
23
6
3
5
17
13
20
18
25
11
9


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

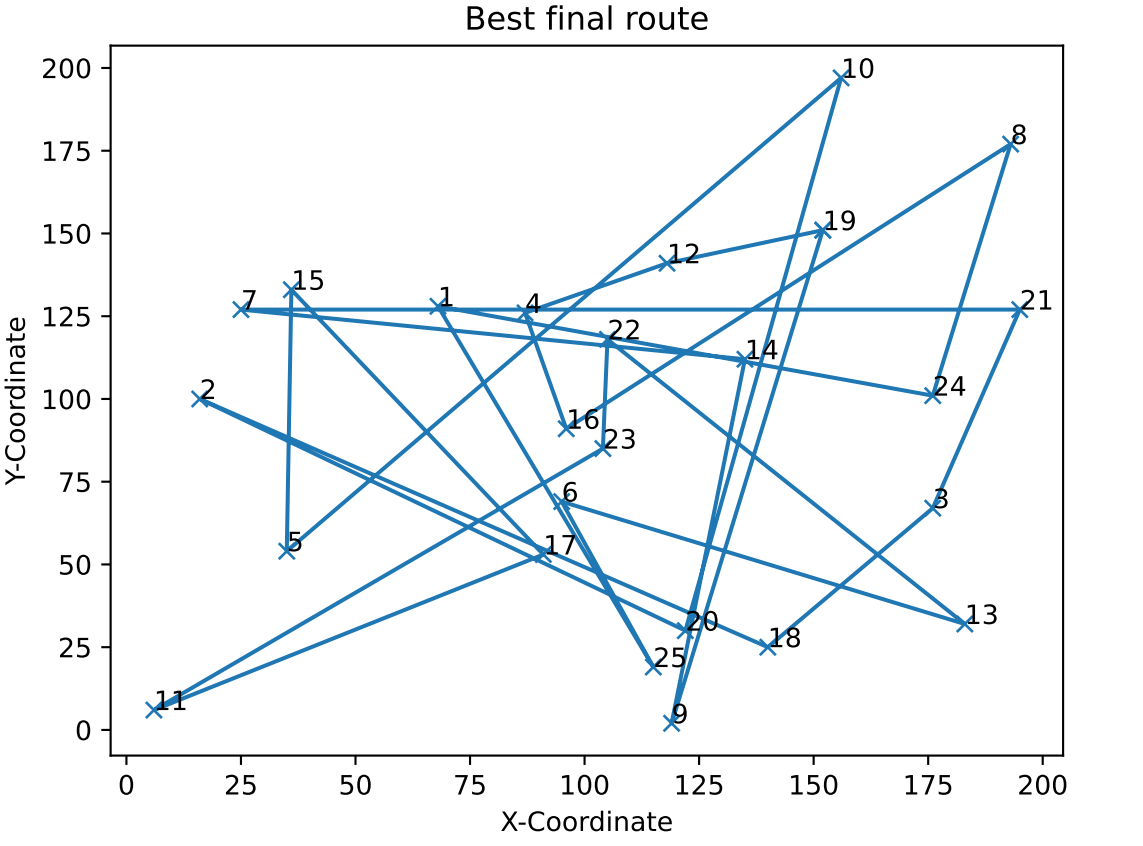

Progress of Distance Minimization
Distance
Generation
2400
2300
2200
2100
2000
1900
1800
0
200
400
600
800
1000


Progress of Stress Minimization
Stress
5000
4500
4000
3500
3000
0
200
400
600
800
1000
Generation

Initial distance : 2472.4790597129454
Initial stress: 5211.799999999999
Initial objective: 5211.799999999999
Final objective: 2816.0
Final distance : 2533.8150177652165
Final stress: 2816.0


Final Population
Stress
Distance
7000
6000
5000
4000
3000
2200
2300
2400
2500
2600
2700
2800

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


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