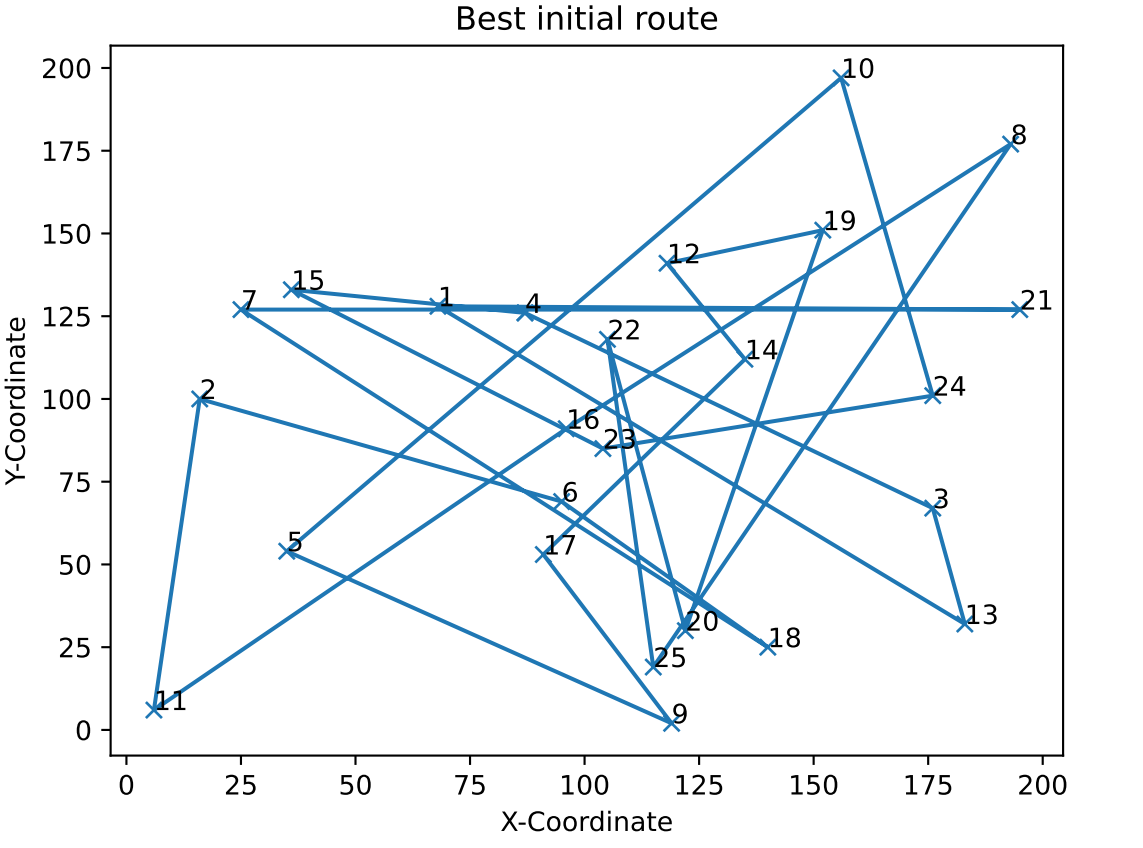
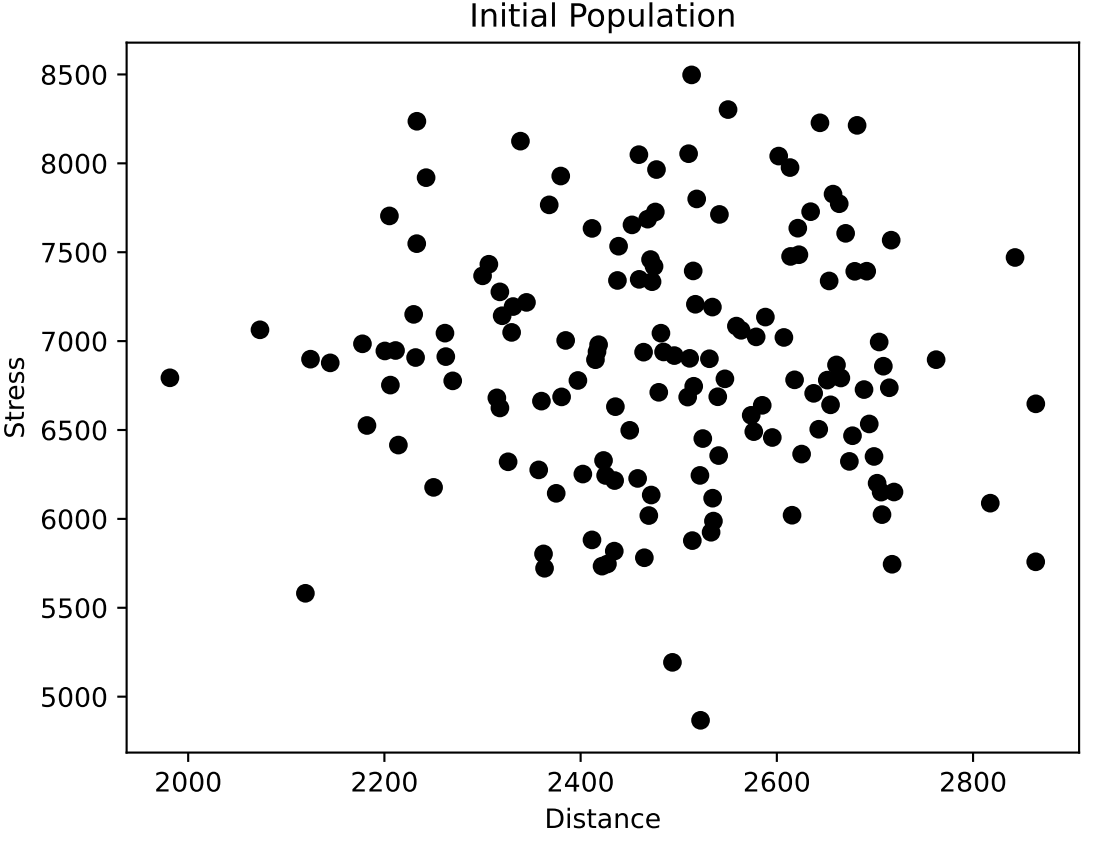
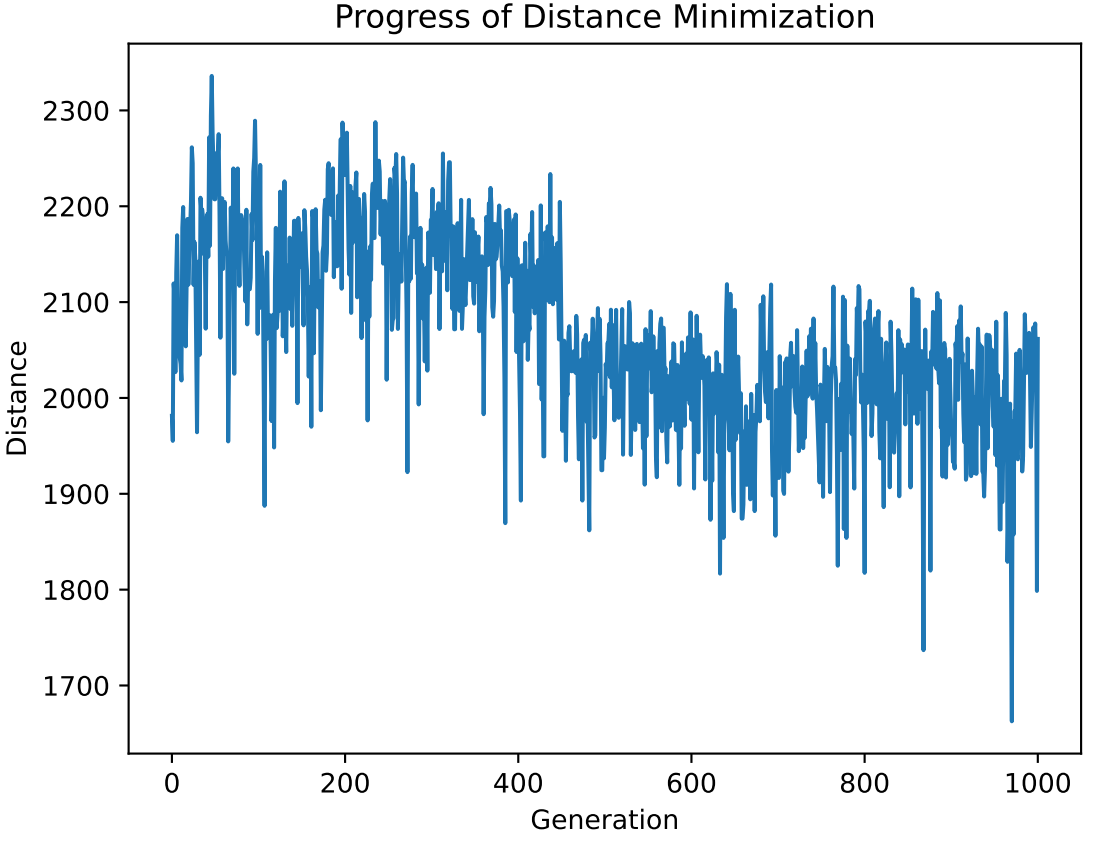
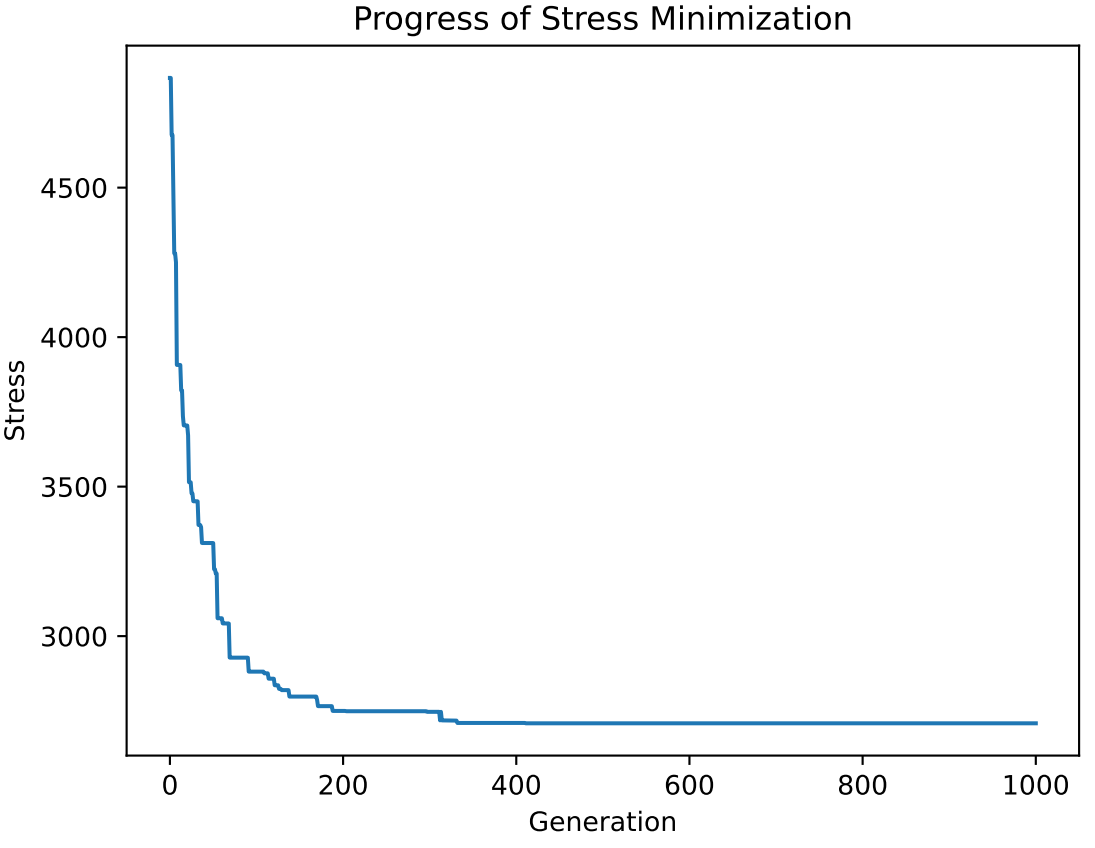
Objective: 2 | popSize: 150 | eliteSize: 30 | mutationRate: 0.001 | generations: 1000

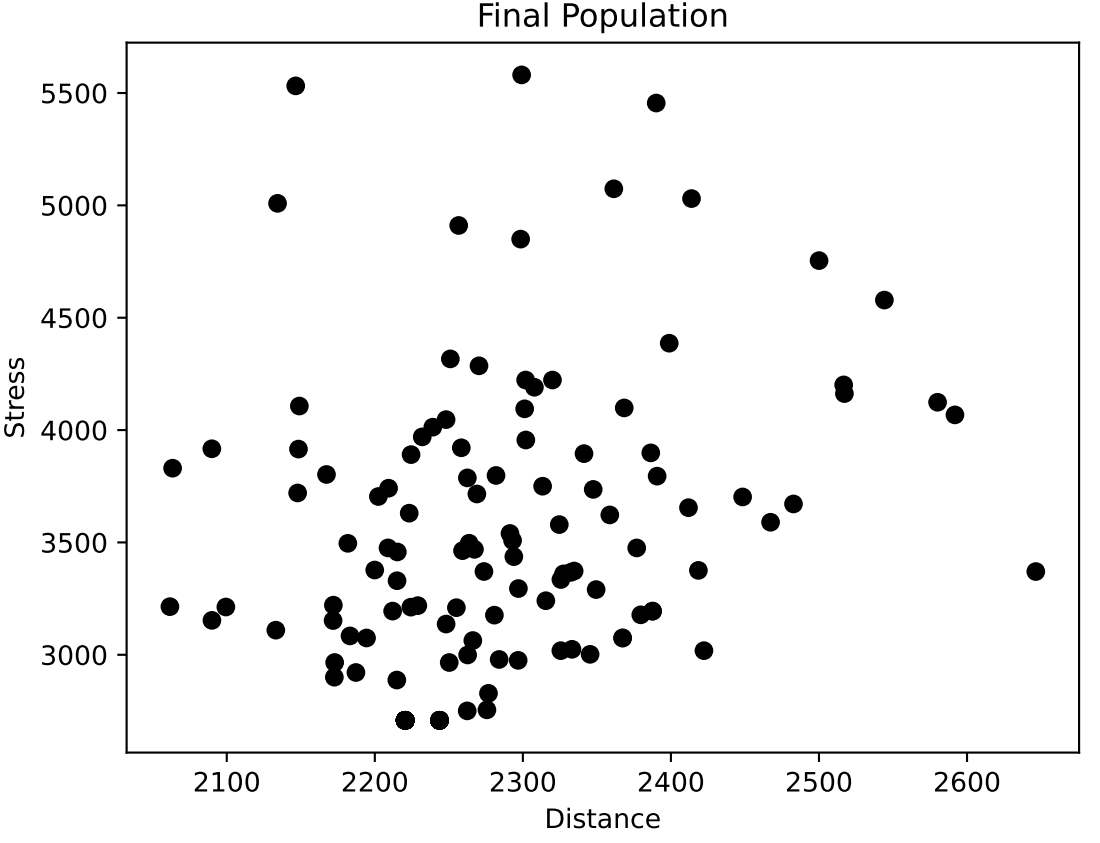

Best initial route
Y-Coordinate
X-Coordinate
0
25
50
75
100
125
150
175
200
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25


Initial Population
Stress
Distance
8500
8000
7500
7000
6500
6000
5500
5000
2000
2200
2400
2600
2800

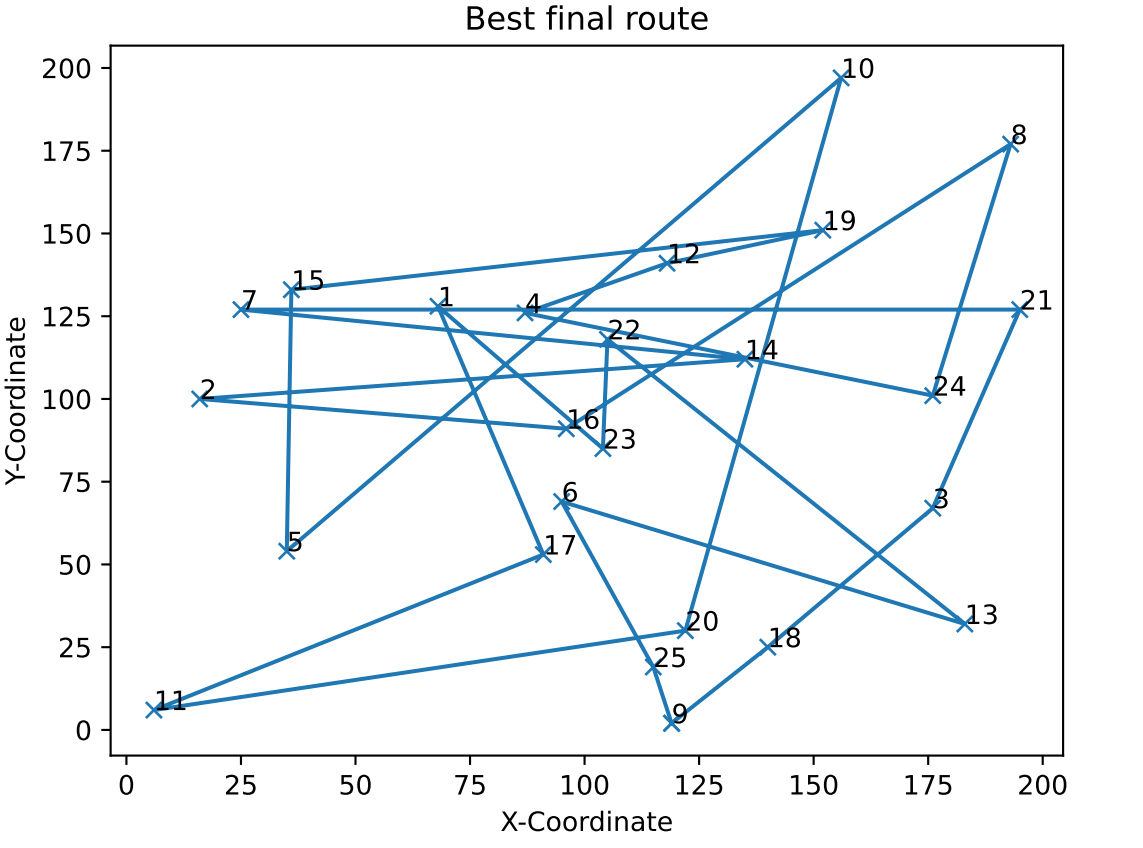

Progress of Distance Minimization
Distance
Generation
2300
2200
2100
2000
1900
1800
1700
0
200
400
600
800
1000


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

Initial distance : 2522.2390927901456
Initial stress: 4867.0
Initial objective: 4867.0
Final objective: 2708.3999999999996
Final distance : 2220.5134817540843
Final stress: 2708.3999999999996


Final Population
Stress
Distance
5500
5000
4500
4000
3500
3000
2100
2200
2300
2400
2500
2600

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


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