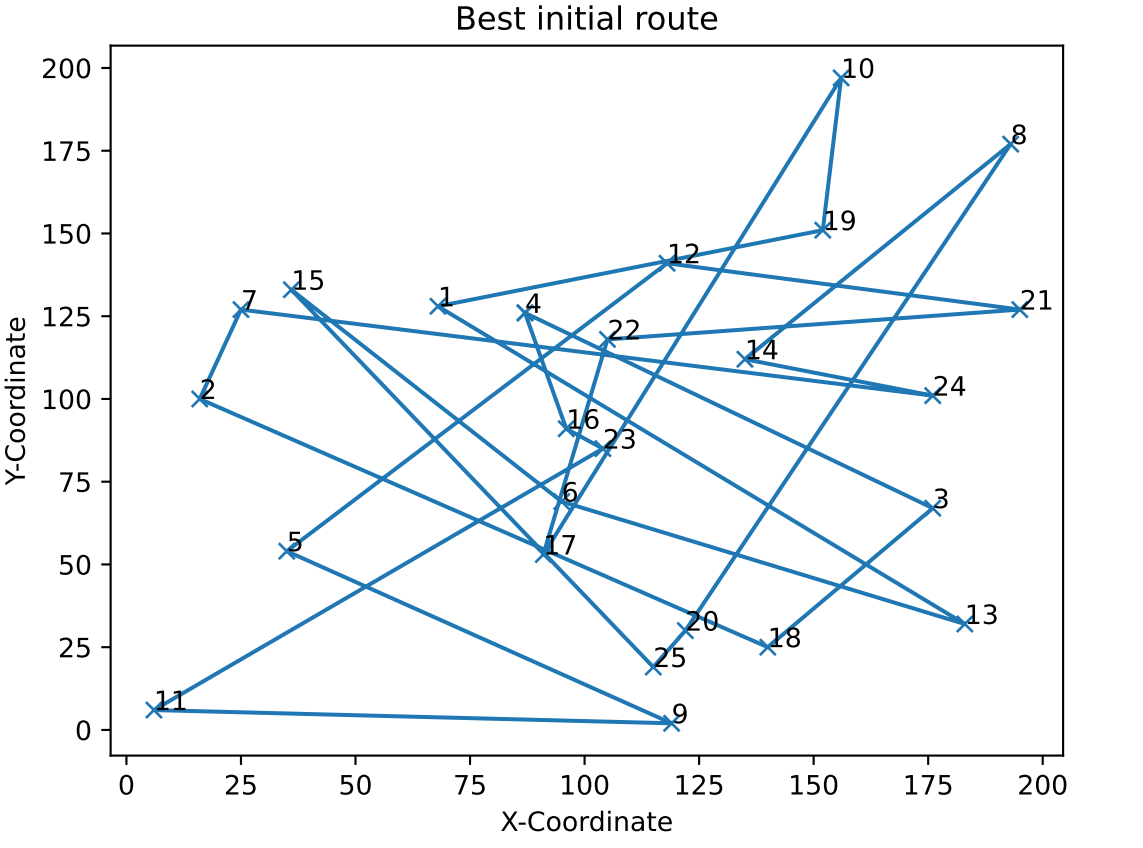
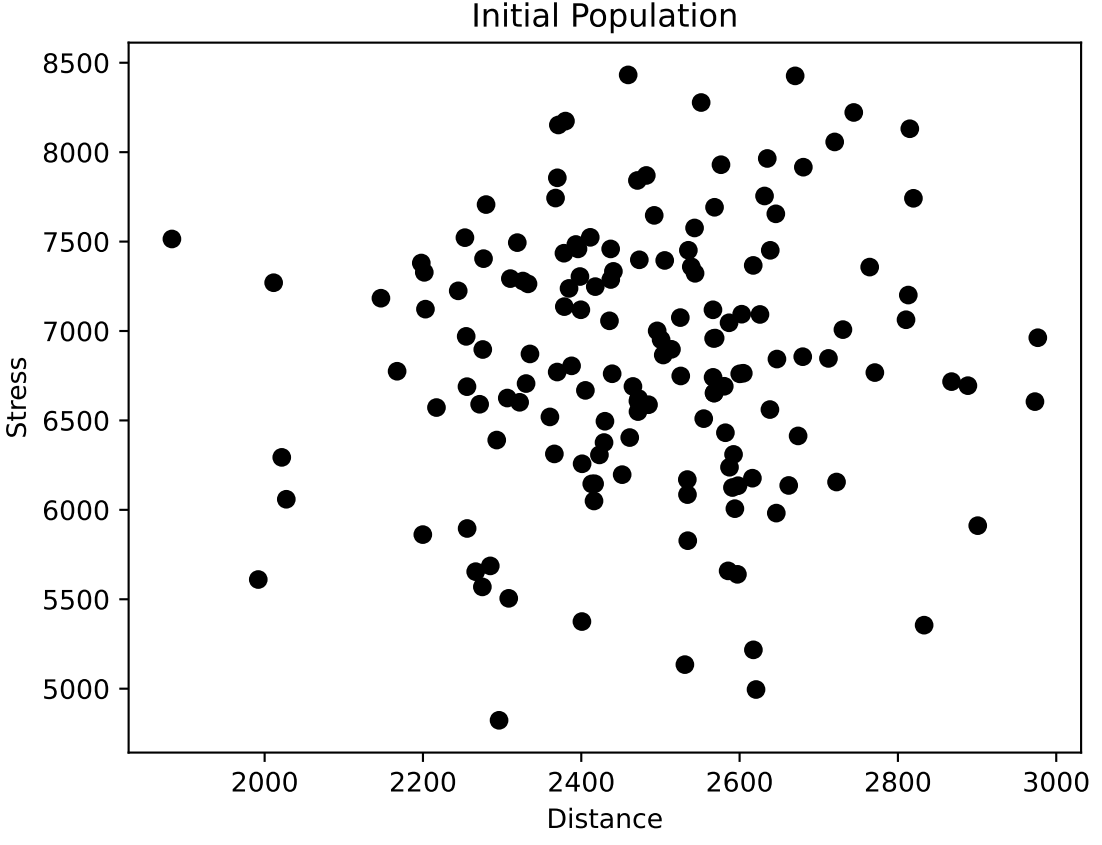
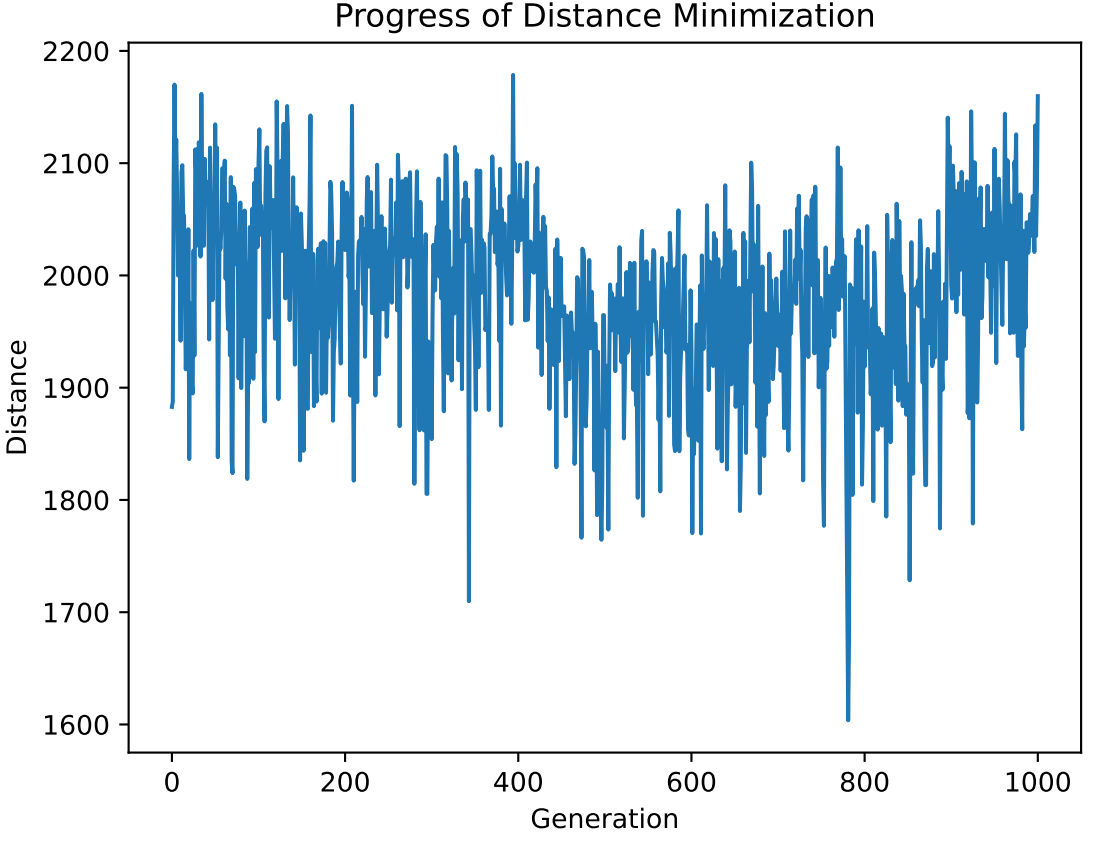
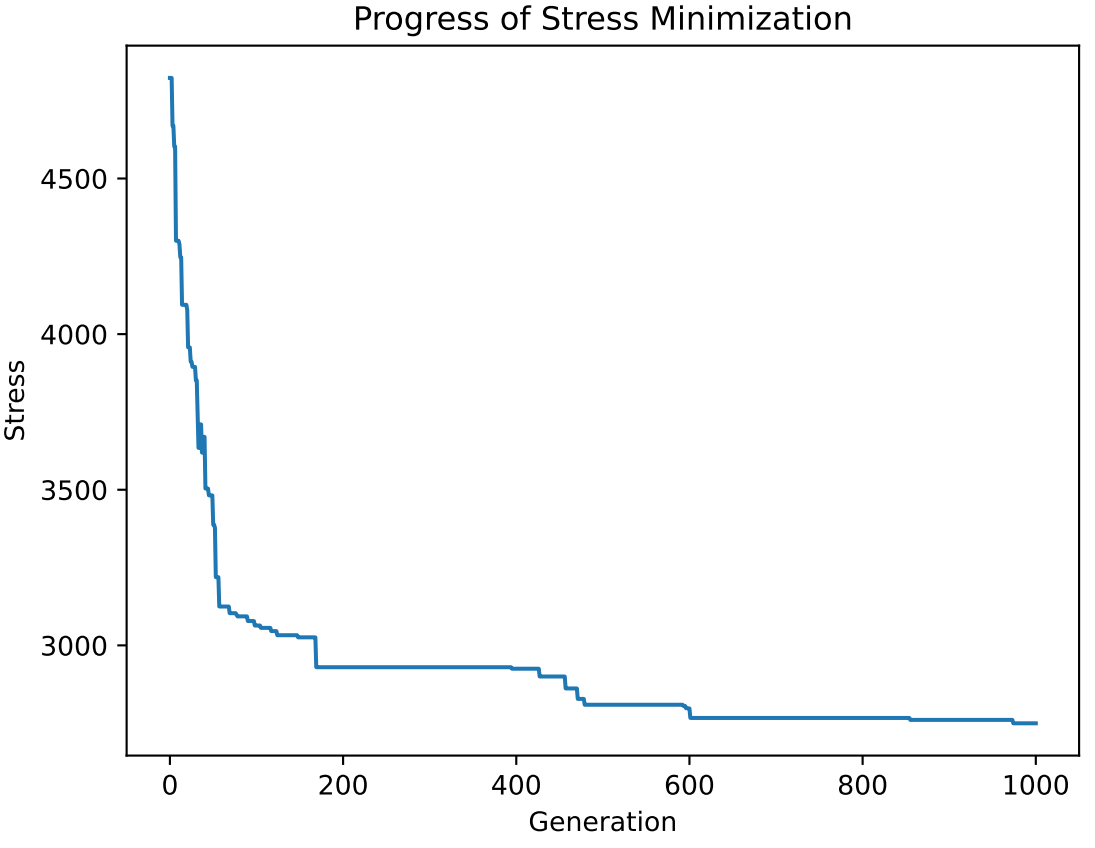
Objective: 2 | popSize: 150 | eliteSize: 10 | mutationRate: 0.001 | generations: 1000

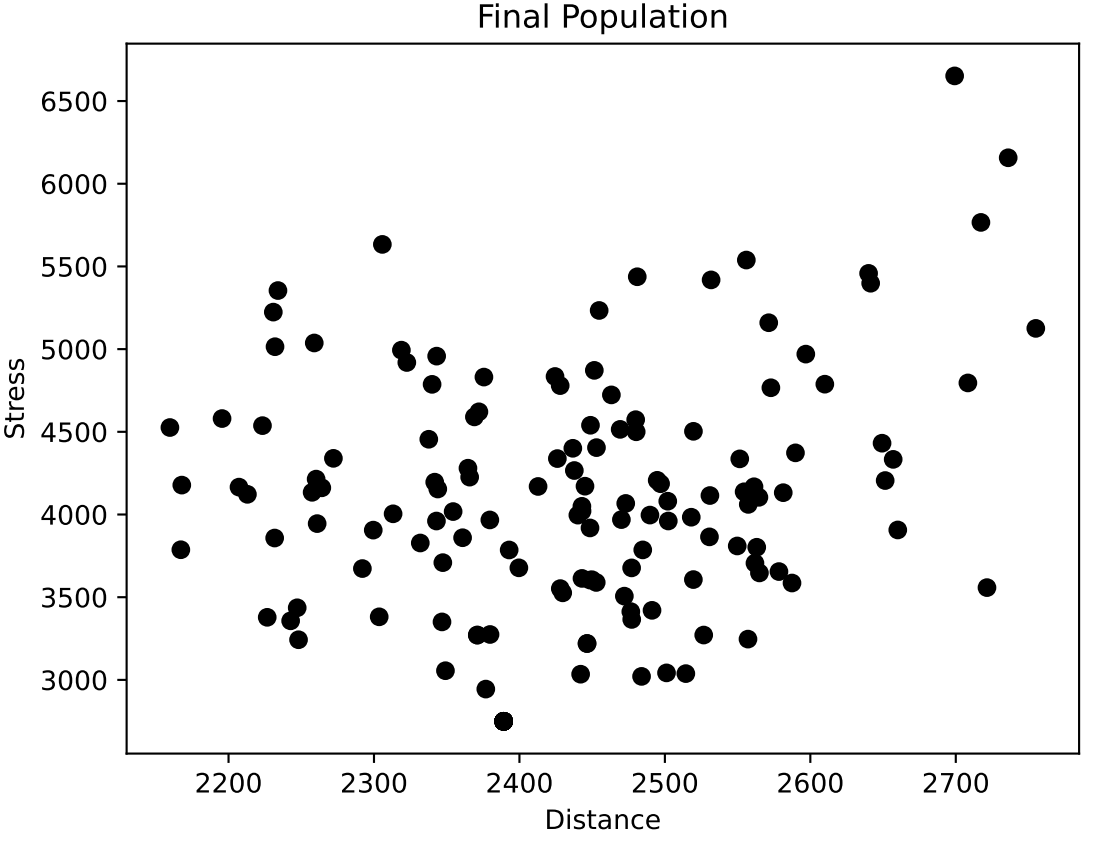

Best initial route
Y-Coordinate
X-Coordinate
0
25
50
75
100
125
150
175
200
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25


Initial Population
Stress
Distance
8500
8000
7500
7000
6500
6000
5500
5000
2000
2200
2400
2600
2800
3000

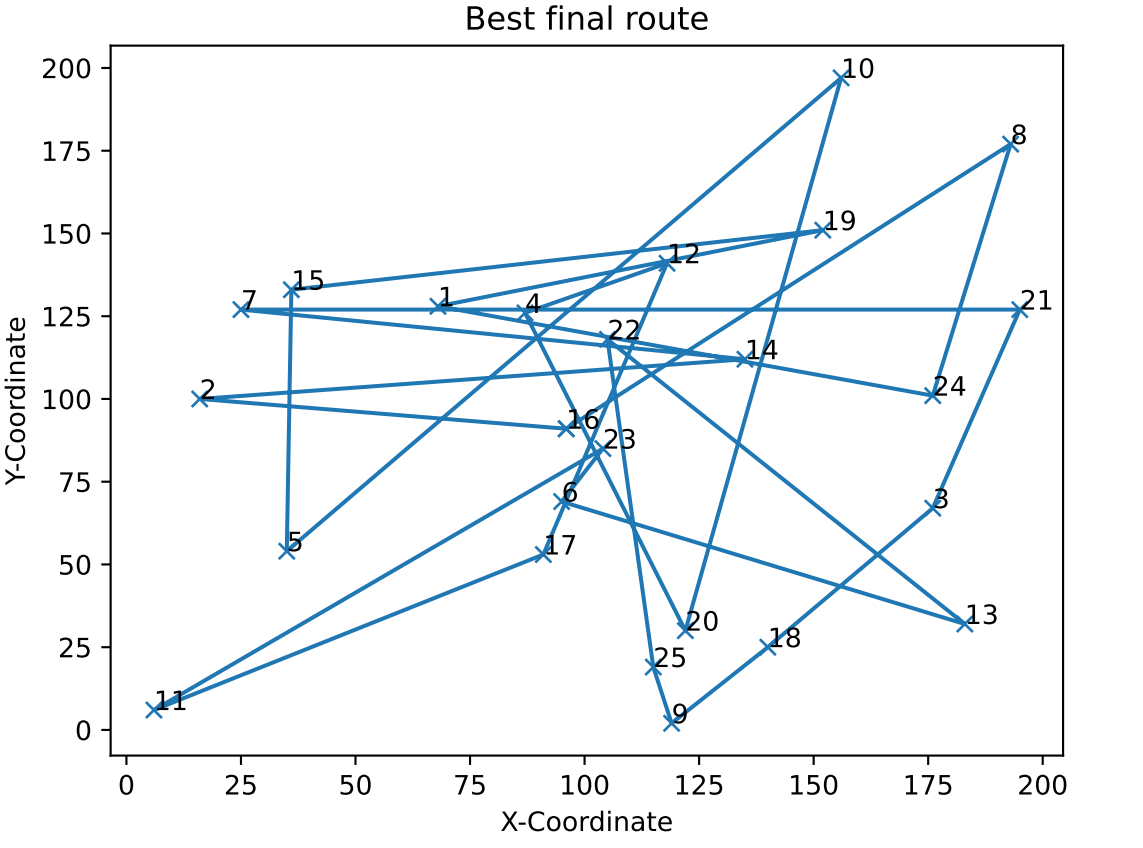

Progress of Distance Minimization
Distance
Generation
2200
2100
2000
1900
1800
1700
1600
0
200
400
600
800
1000


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

Initial distance : 2296.135741845704
Initial stress:  4823.2
Initial objective: 4823.2
Final objective: 2749.6
Final distance : 2389.161661538311
Final stress:  2749.6


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

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


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