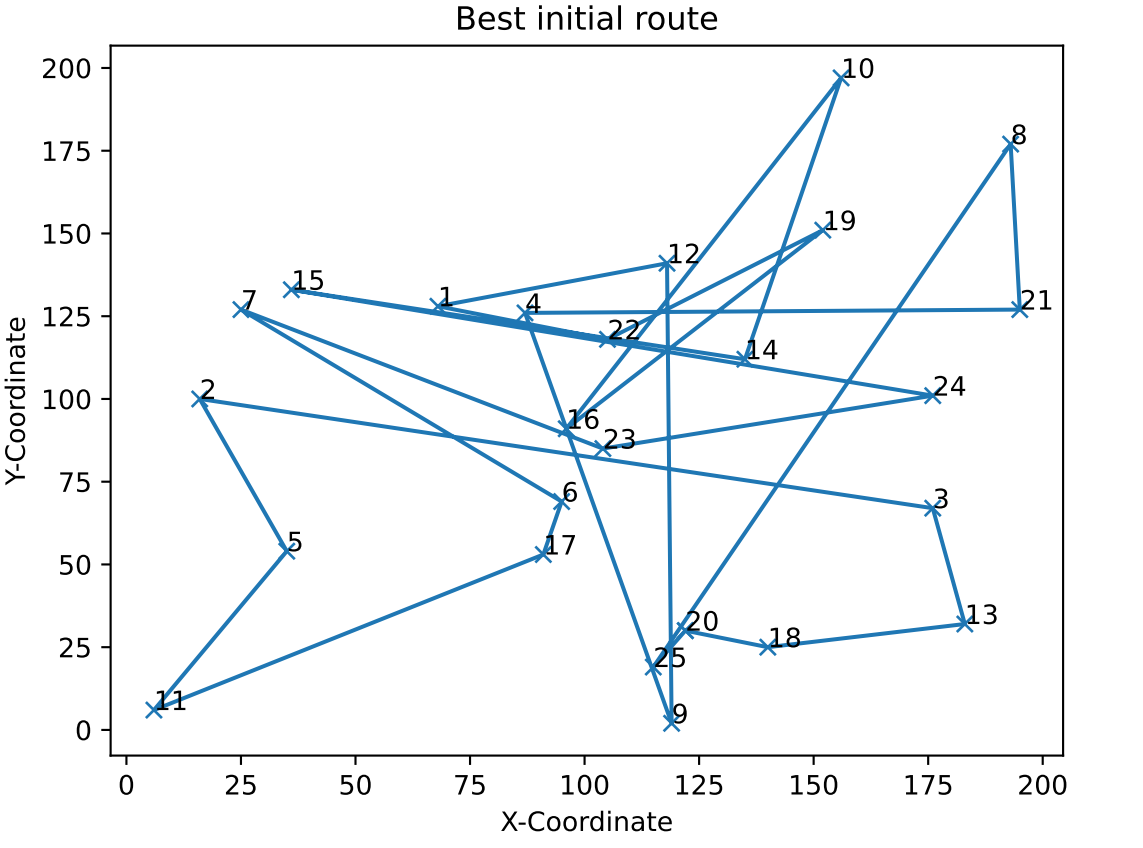
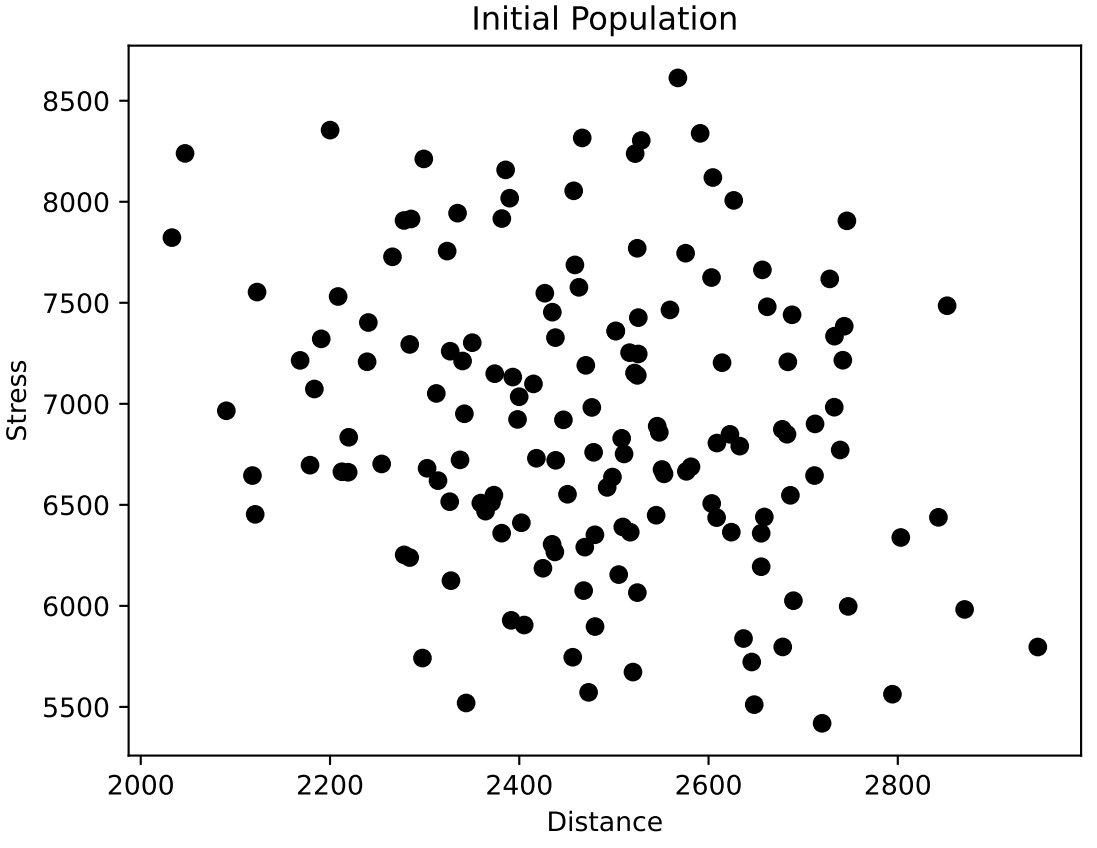
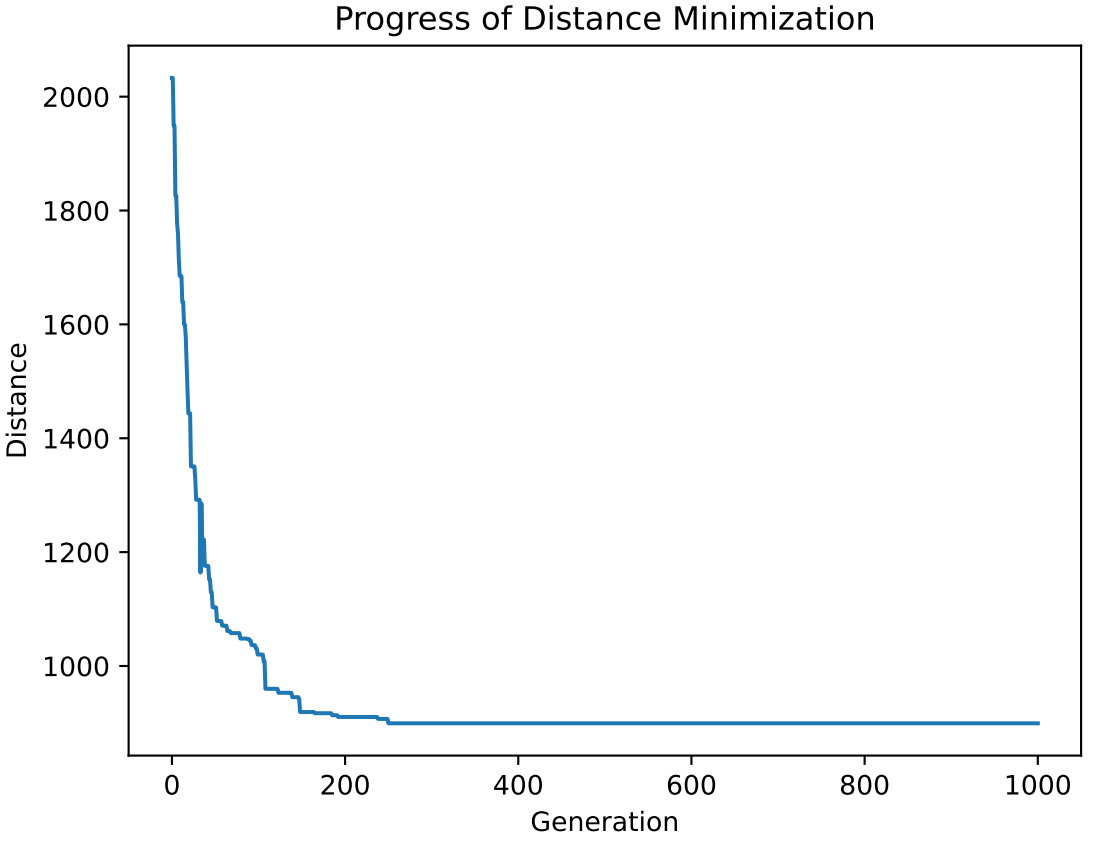
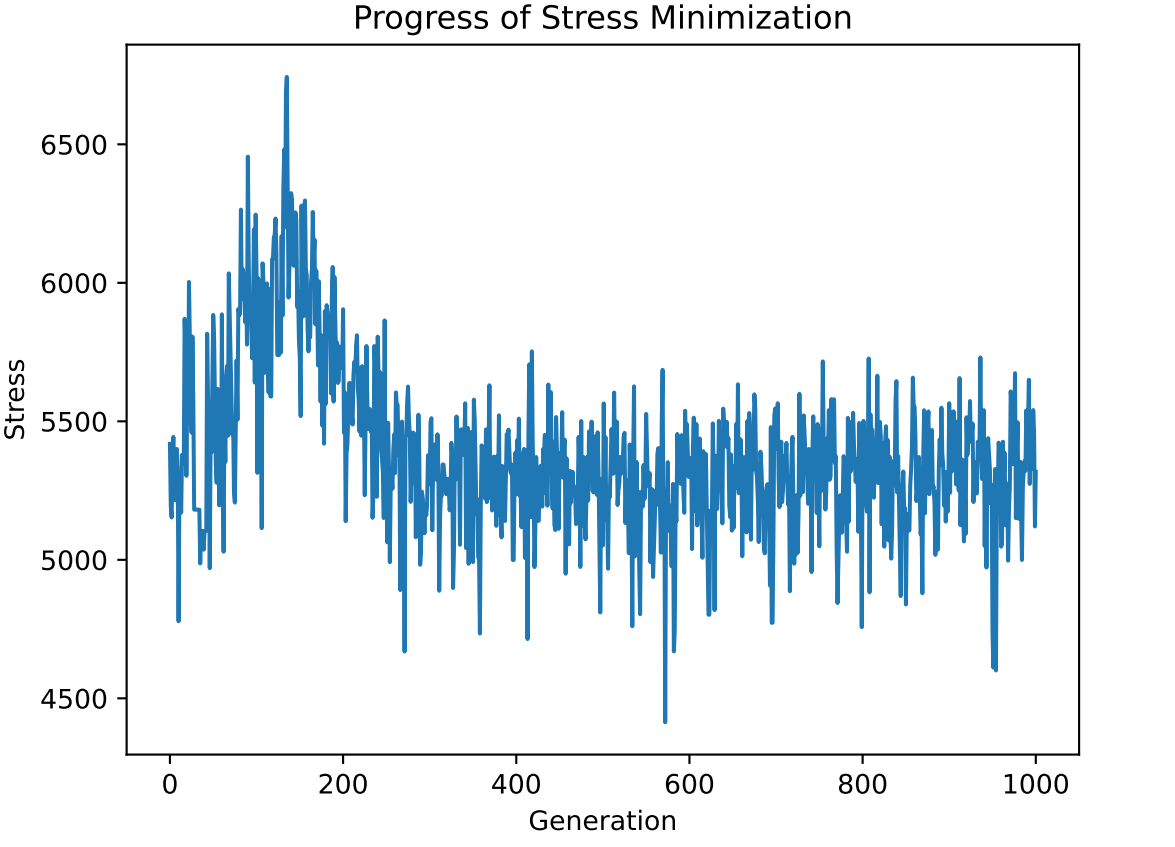
Objective: 1 | popSize: 150 | eliteSize: 30 | mutationRate: 0.001 | generations: 1000

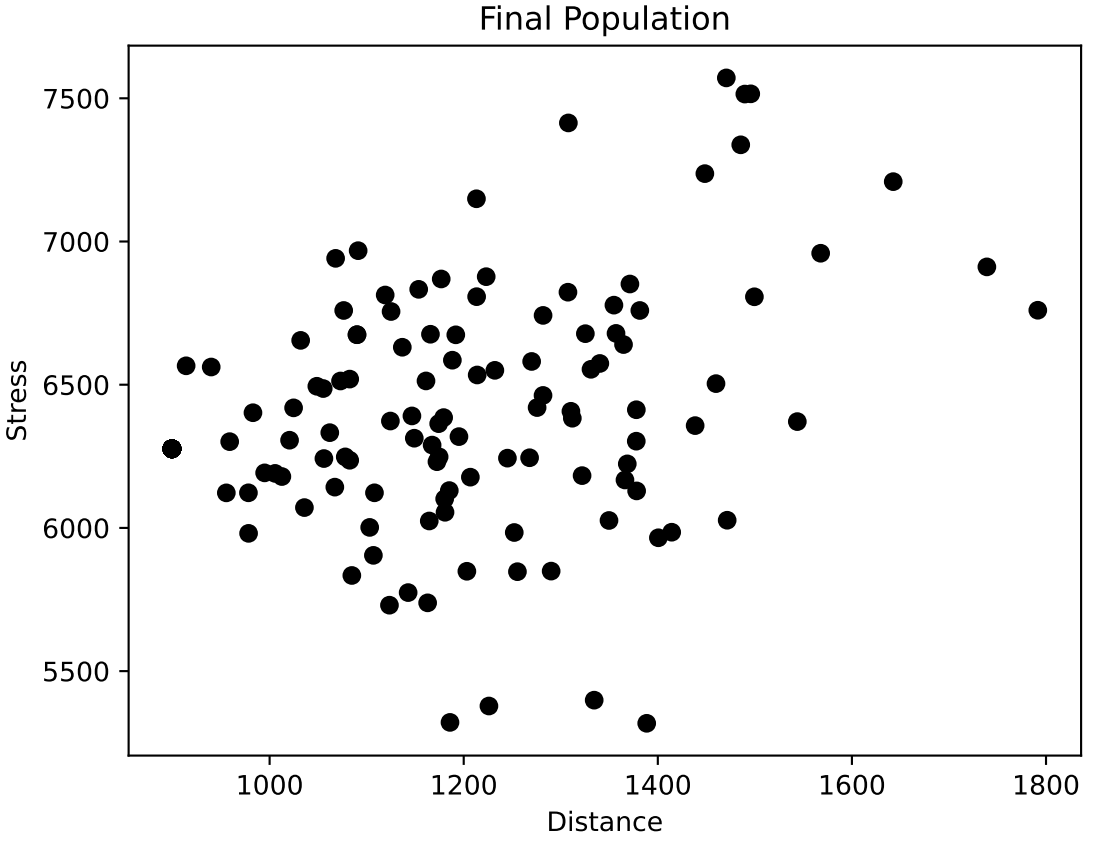

Best initial route
Y-Coordinate
X-Coordinate
0
25
50
75
100
125
150
175
200
10
8
19
12
15
1
4
21
7
22
14
24
2
16
23
6
3
5
17
13
20
18
25
11
9


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

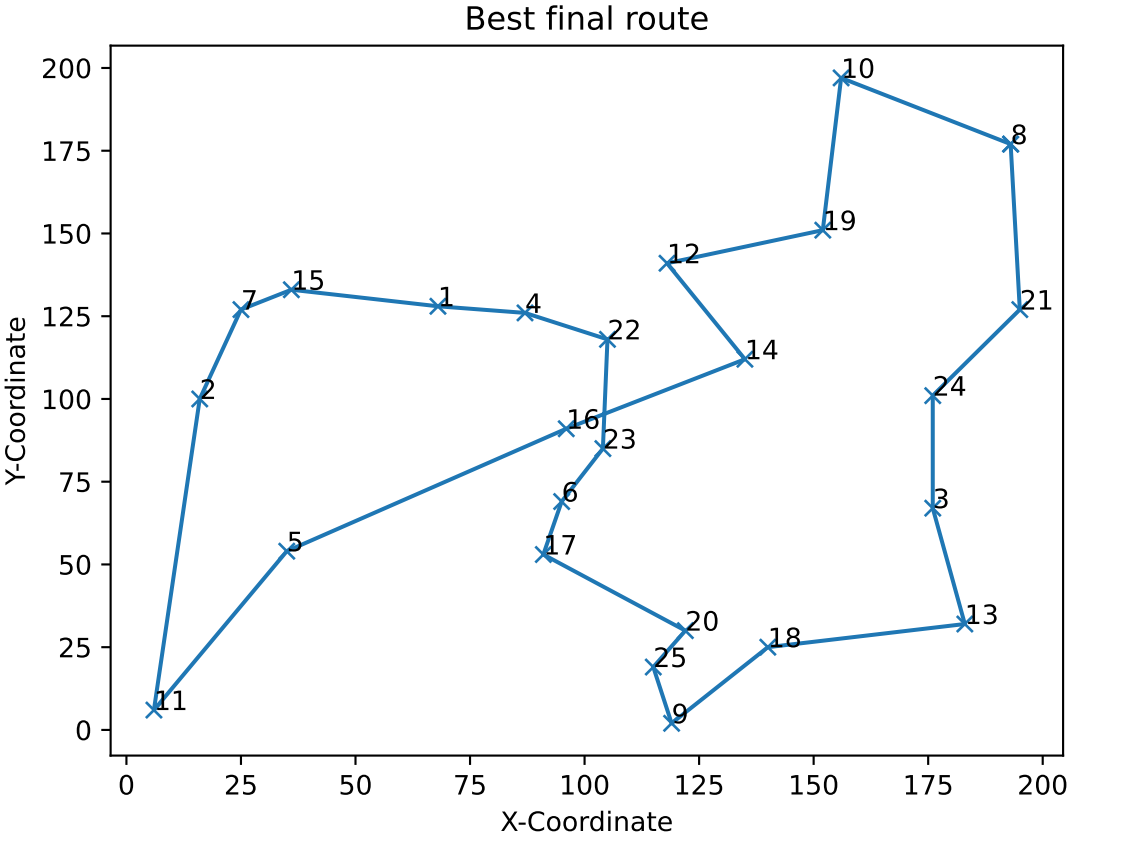

Progress of Distance Minimization
Distance
2000
1800
1600
1400
1200
1000
0
200
400
600
800
1000
Generation


Progress of Stress Minimization
Stress
6500
6000
5500
5000
4500
0
200
400
600
800
1000
Generation

Initial distance : 2032.9298913606913
Initial stress: 7822.6
Initial objective: 2032.9298913606913
Final objective: 899.3342467245592
Final distance : 899.3342467245593
Final stress: 6276.200000000001


Final Population
7500
7000
6500
6000
5500
Stress
1000
1200
1400
1600
1800
Distance

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


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
20
13
18
25
11
9