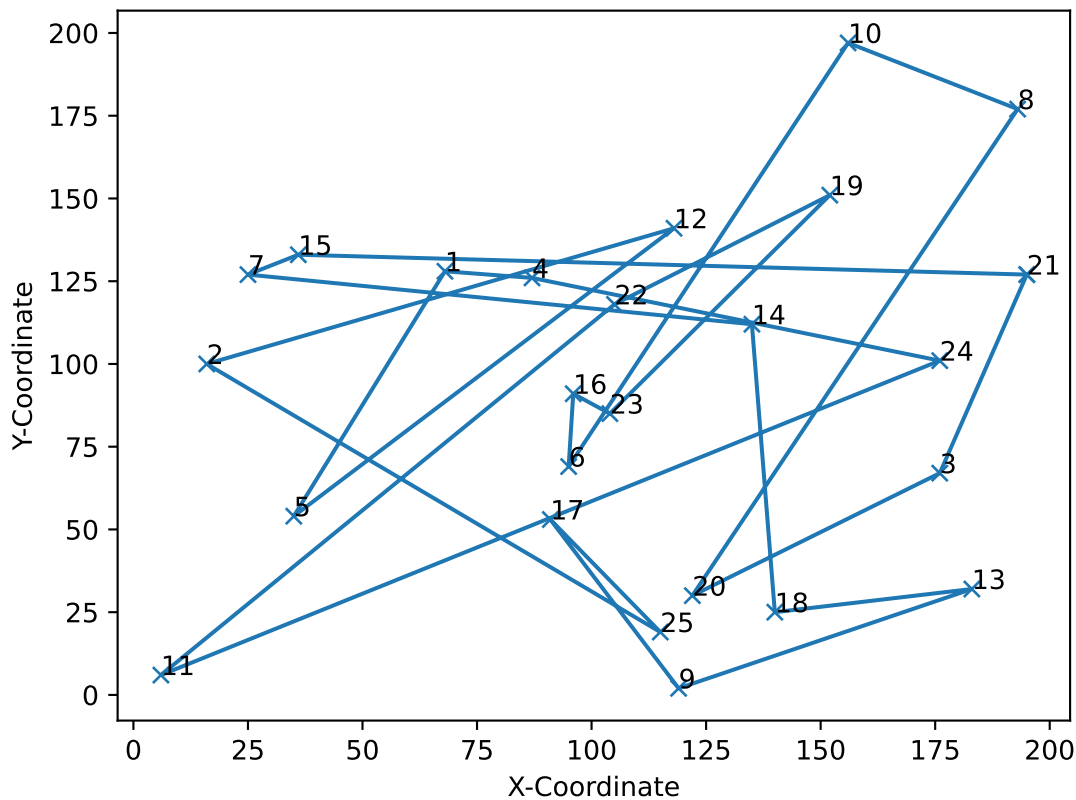
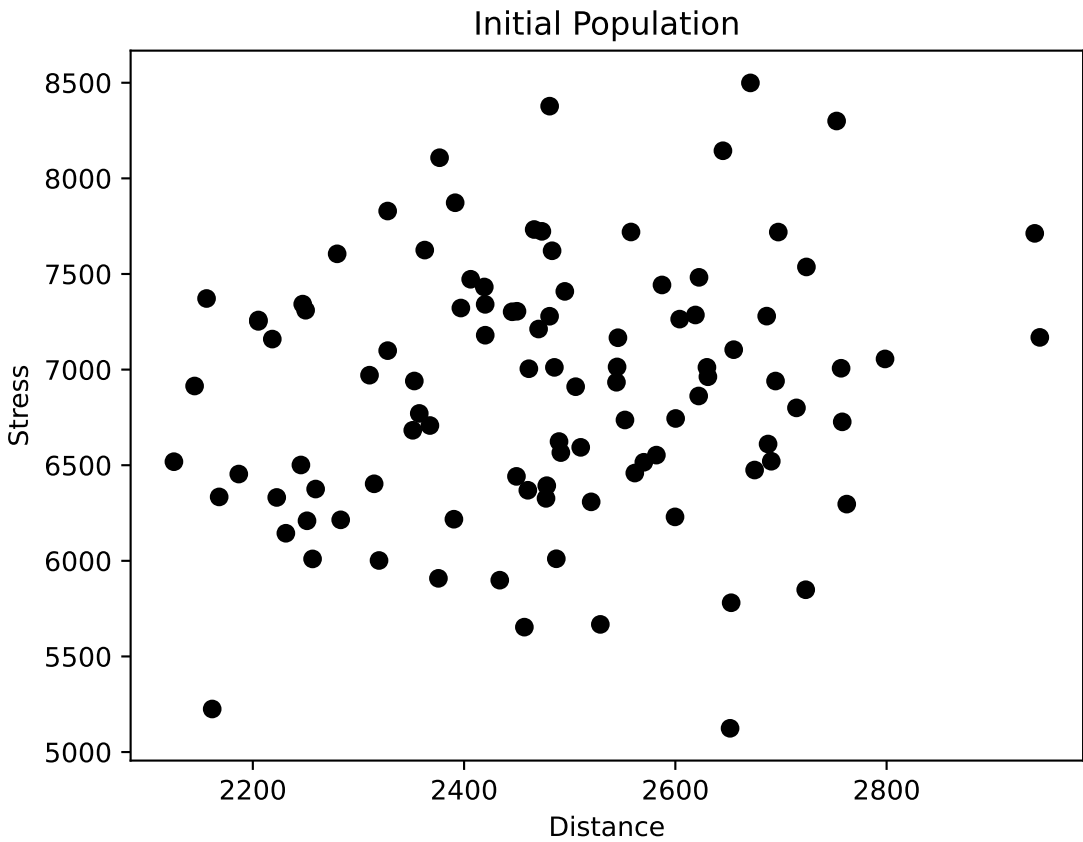


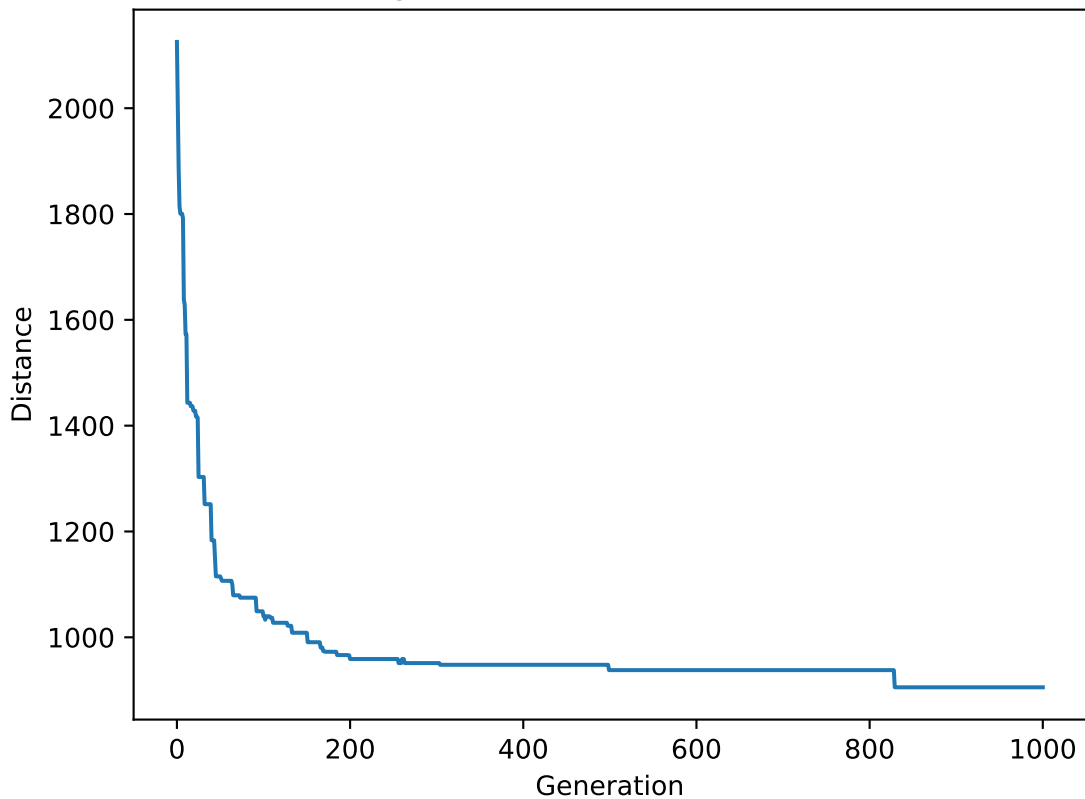
```
[1, 2, 3, 4, 5,  
 6, 7, 8, 9, 10,  
11, 12, 13, 14, 15,  
16, 17, 18, 19, 20,  
21, 22, 23, 24, 25]
```

Best initial route

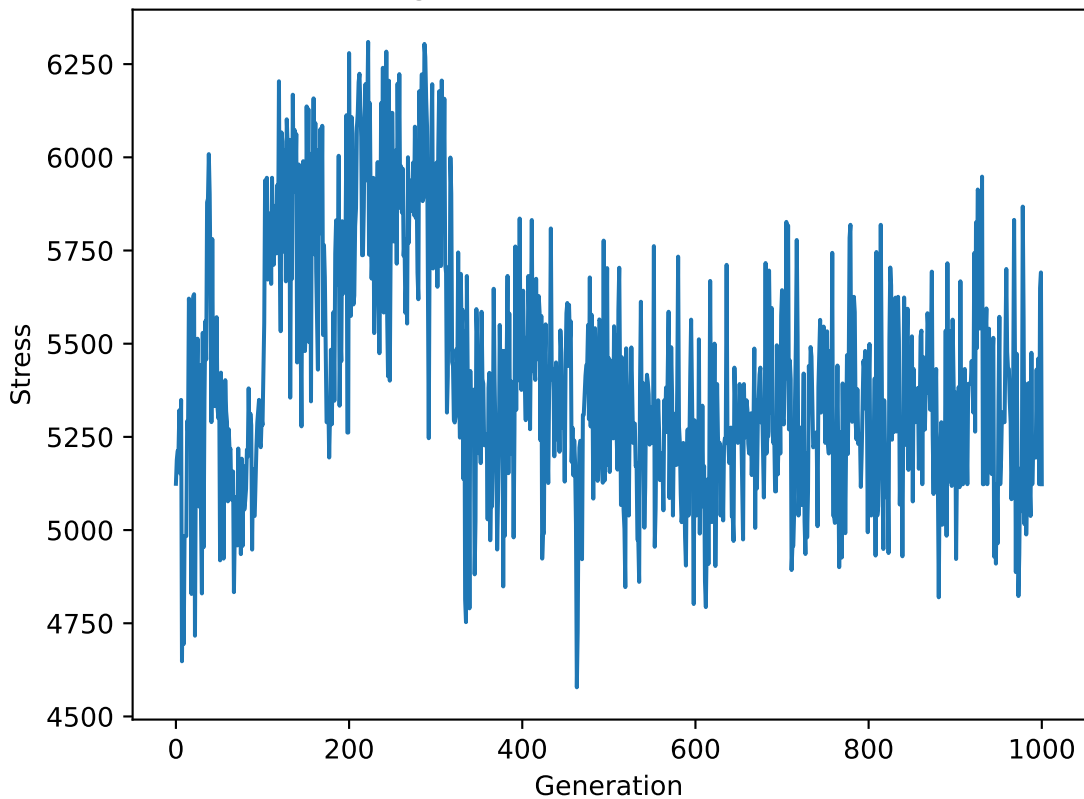




Progress of Distance Minimization

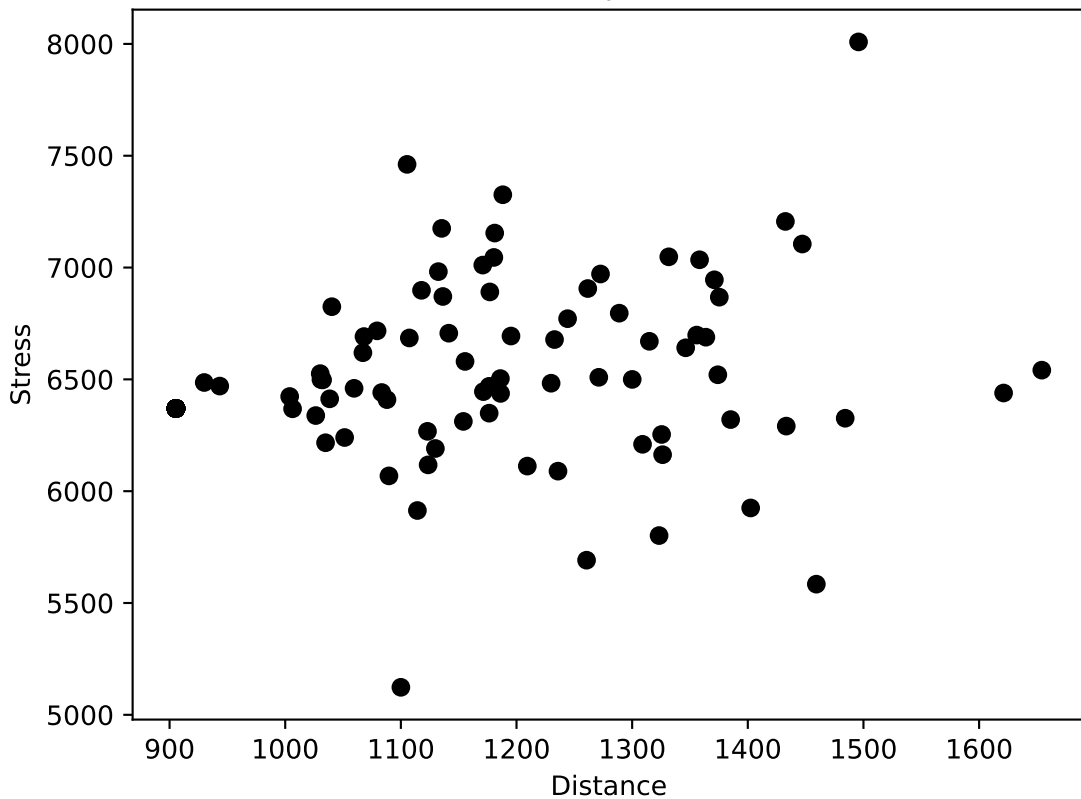


Progress of Stress Minimization



Initial distance : 2125.2945513508903  
Initial stress: 6518.4  
Initial objective: 2125.2945513508903  
Final objective: 905.4922396913732  
Final distance : 905.4922396913732  
Final stress: 6369.8

Final Population



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



Best final route

