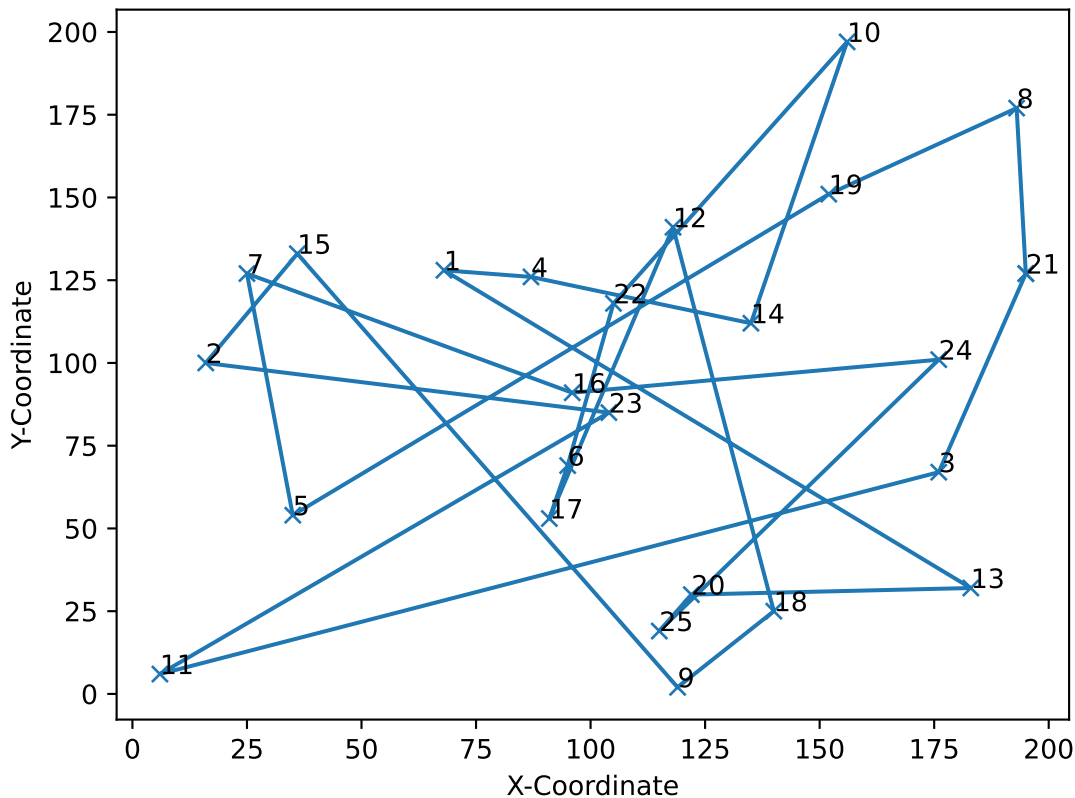
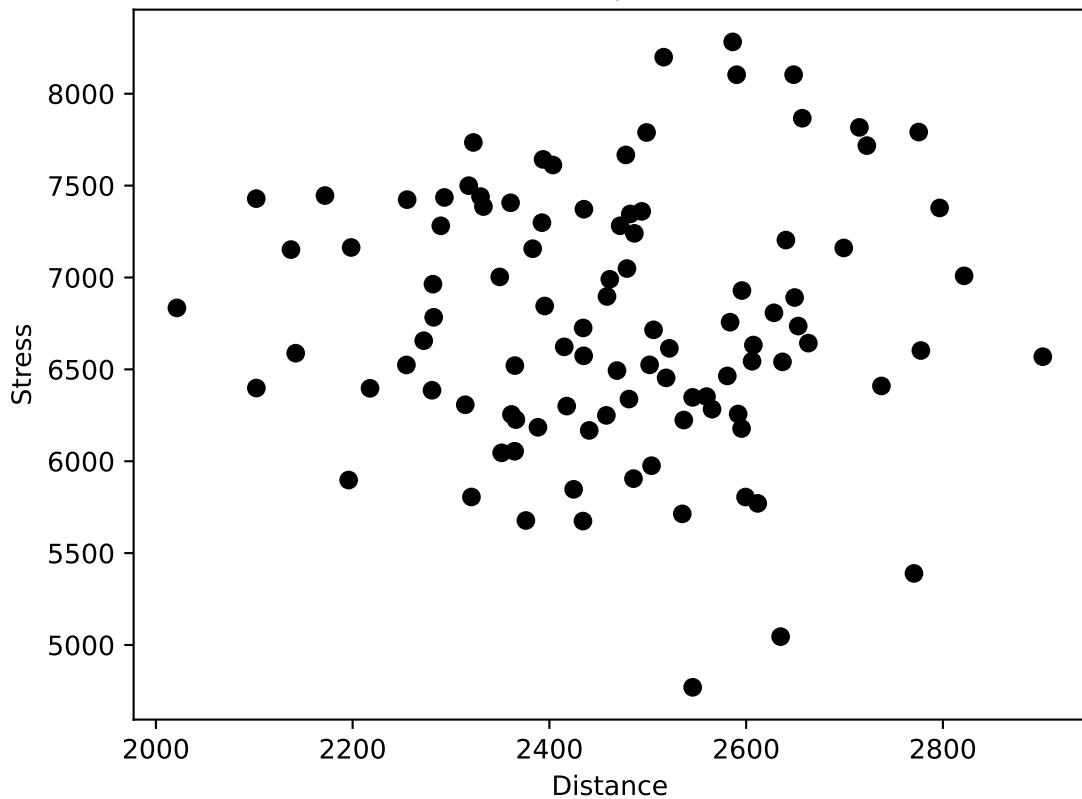


Objective: 1 | popSize: 100 | eliteSize: 10 | mutationRate: 0.001 | generations: 1000

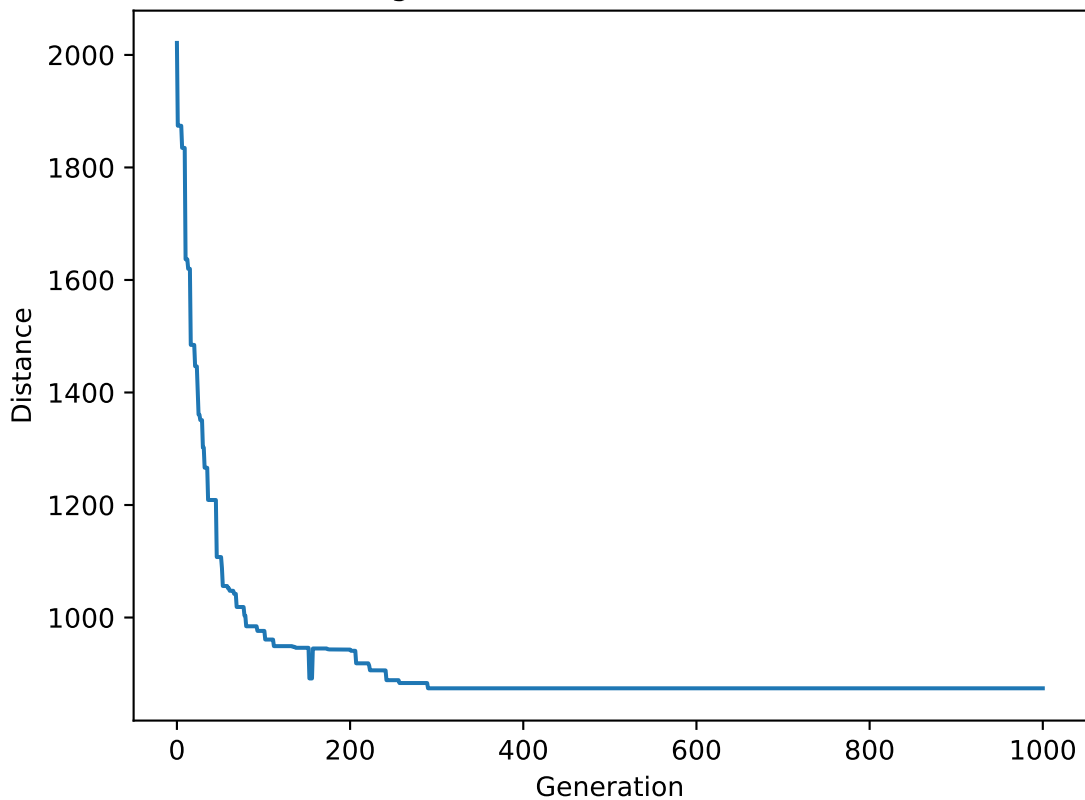
The graph consists of 25 nodes, each marked with a blue 'x' and a numerical label. The nodes are distributed across the plot area, with labels ranging from 1 to 25. The edges are blue lines connecting the nodes, forming a complex network. The x-axis is labeled 'X-Coordinate' and ranges from 0 to 200. The y-axis is unlabeled but ranges from 0 to 100.



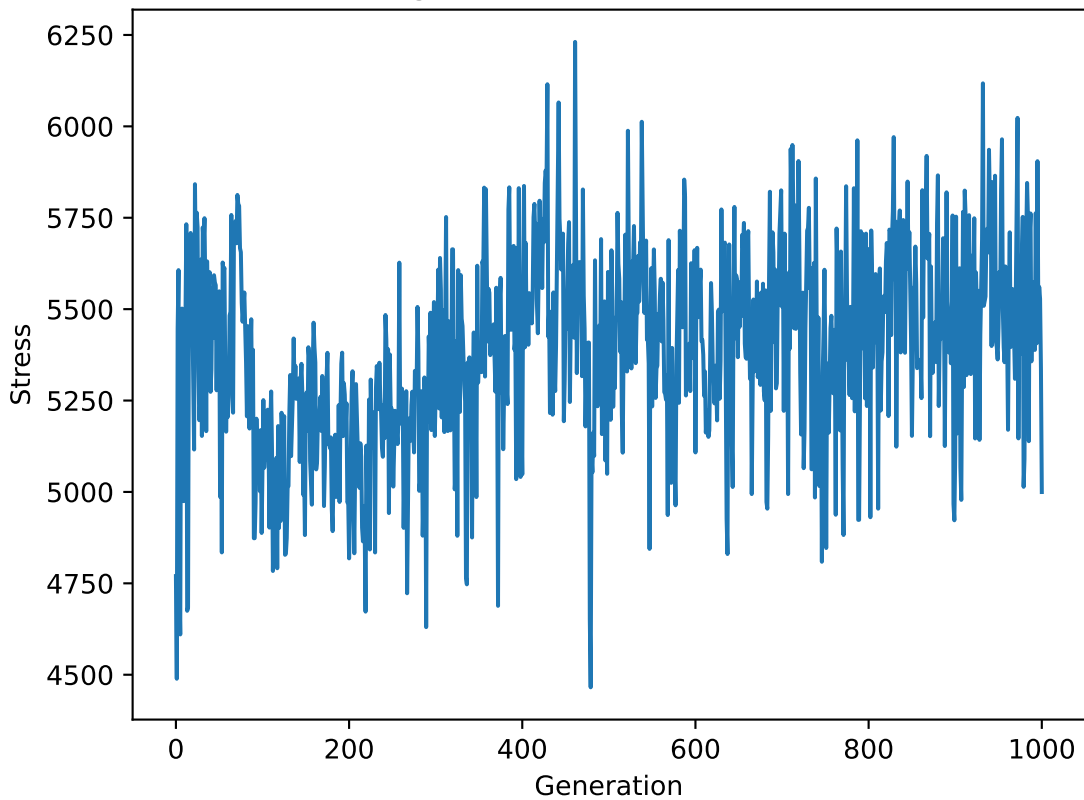
Initial Population



Progress of Distance Minimization

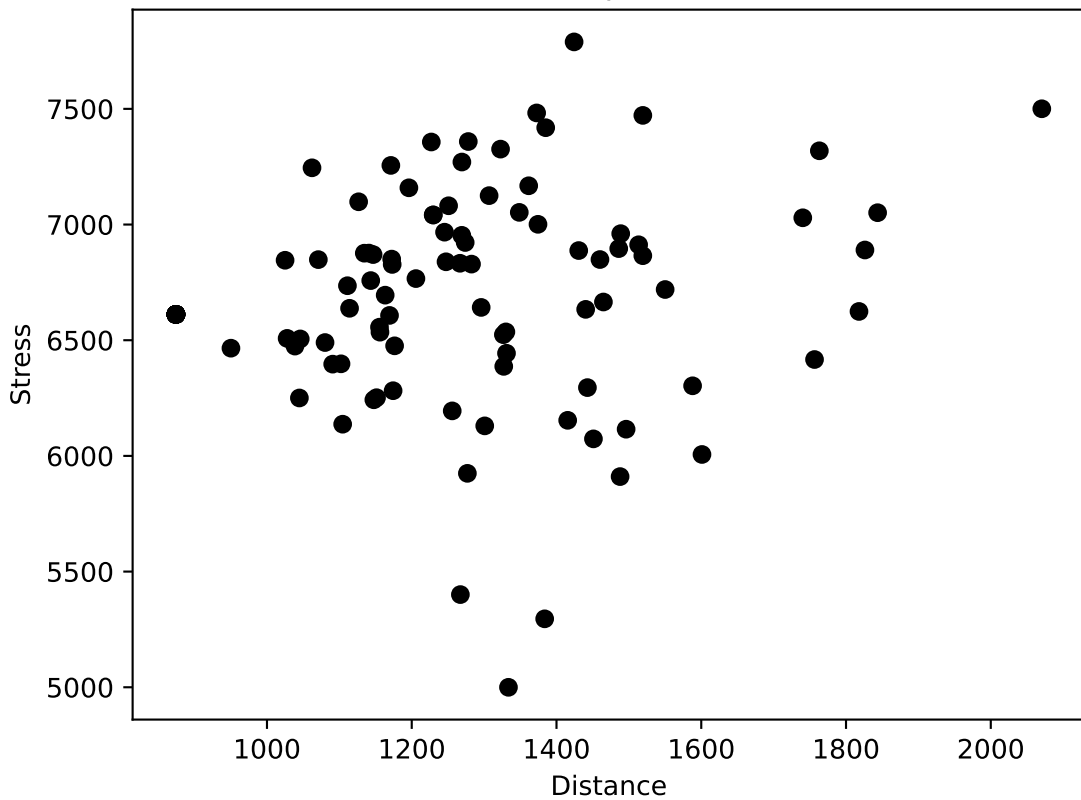


Progress of Stress Minimization



Initial distance : 2021.3741509698664  
Initial stress: 6834.4  
Initial objective: 2021.3741509698662  
Final objective: 874.1885534624976  
Final distance : 874.1885534624976  
Final stress: 6611.6

Final Population



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



Best final route

