

Figure 1 is a line graph showing the evolution of the number of nodes in the network over 100 iterations for six different routes. The y-axis represents the number of nodes (0 to 100), and the x-axis represents the iteration number (0 to 100). The routes are color-coded: route 1 (blue), route 2 (orange), route 3 (green), route 4 (purple), route 5 (red), and route 6 (brown). All routes start at 0 nodes and converge to approximately 22 nodes by iteration 80. Route 4 shows the most significant fluctuations, peaking at nearly 100 nodes around iteration 25. Route 5 shows a sharp increase to about 90 nodes around iteration 70. Route 2 shows a peak of about 85 nodes around iteration 60. Route 3 shows a peak of about 58 nodes around iteration 65. Route 1 shows a peak of about 38 nodes around iteration 85. Route 6 shows a peak of about 18 nodes around iteration 30.

Total distance: 953