

Figure 1 is a line graph illustrating the evolution of 10 routes (route 1 to route 10) over 120 iterations. The Y-axis represents a value ranging from 0 to 120, and the X-axis represents the iteration number from 0 to 120. All routes start at different values and converge to a value of approximately 90 by iteration 60. After iteration 60, the routes diverge: route 1 (blue) drops to approximately 20, route 2 (orange) drops to 0 at iteration 40, route 3 (green) rises to approximately 95, route 4 (red) rises to approximately 95, route 5 (purple) rises to approximately 105, route 6 (brown) rises to approximately 105, route 7 (pink) rises to approximately 105, route 8 (grey) rises to approximately 105, route 9 (olive) rises to approximately 95, and route 10 (cyan) rises to approximately 100.

**Total distance: 1093**