

Figure 1: A line graph showing the evolution of 10 routes over 120 iterations. The x-axis represents iterations from 0 to 120, and the y-axis represents a value from 0 to 120. All routes start at iteration 0 and converge to a value of approximately 90 by iteration 60. After iteration 60, the routes diverge into different patterns: route 1 (blue) drops to a minimum of ~18 at iteration 95 before rising to ~23; route 2 (orange) drops to 0 at iteration 40 before rising to ~90; route 3 (green) fluctuates between 40 and 70; route 4 (red) stays between 65 and 75; route 5 (purple) stays between 85 and 105; route 6 (brown) stays between 85 and 95; route 7 (pink) stays between 90 and 100; route 8 (grey) stays between 95 and 105; route 9 (olive) stays between 80 and 95; and route 10 (cyan) rises to a peak of ~110 at iteration 75 before settling around 100.

**Total distance: 1094**