

The figure displays four distinct routes on a 2D coordinate system. The x-axis ranges from 100 to 450, and the y-axis ranges from 0 to 100. The routes are defined by colored lines and circular markers at each data point.

- route 1 (blue):** Starts at approximately (160, 55), moves to (180, 75), then to (185, 90), (190, 95), (205, 95), (210, 85), (215, 80), (220, 85), and ends at (220, 75).
- route 2 (orange):** Starts at approximately (160, 55), moves to (180, 60), (190, 65), (200, 70), (210, 80), (220, 75), (220, 65), (210, 60), and ends at (190, 55).
- route 3 (green):** Starts at approximately (160, 55), moves to (150, 60), (140, 65), (130, 70), (120, 75), (110, 75), (105, 65), (110, 55), (120, 50), (130, 55), (140, 60), and ends at (150, 60).
- route 4 (red):** Starts at approximately (160, 55) and moves to (160, 40).

Total distance: 518