

Figure 1 consists of 12 sub-diagrams labeled (a) through (l), arranged vertically. Each diagram shows a 2D grid of points. A start point is marked with a circle and a goal point with a cross. The diagrams illustrate the steps of a search algorithm:

- (a) Initial state: Start point is at the top left, goal point is at the bottom right.
- (b) Step 1: A single point is added to the path.
- (c) Step 2: Two points are added to the path.
- (d) Step 3: Three points are added to the path.
- (e) Step 4: Four points are added to the path.
- (f) Step 5: Five points are added to the path.
- (g) Step 6: Six points are added to the path.
- (h) Step 7: Seven points are added to the path.
- (i) Step 8: Eight points are added to the path.
- (j) Step 9: Nine points are added to the path.
- (k) Step 10: Ten points are added to the path.
- (l) Final state: The path is complete, connecting the start point to the goal point.

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