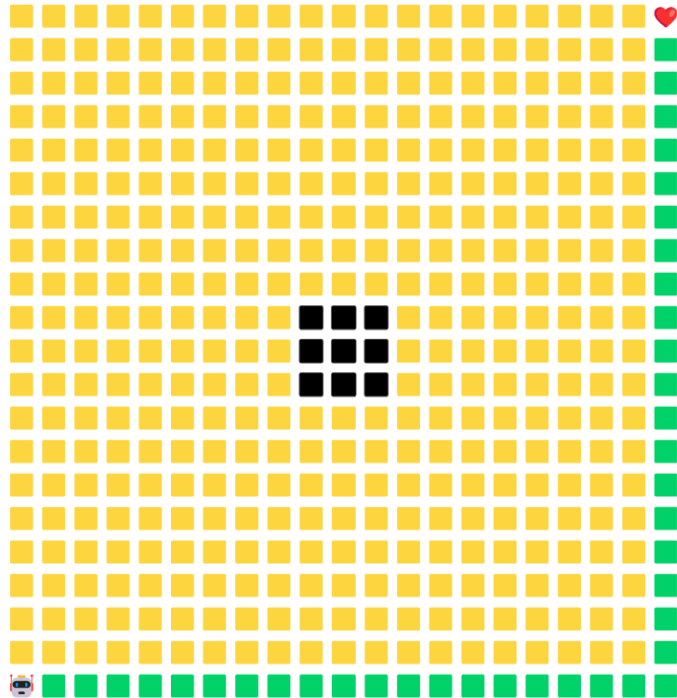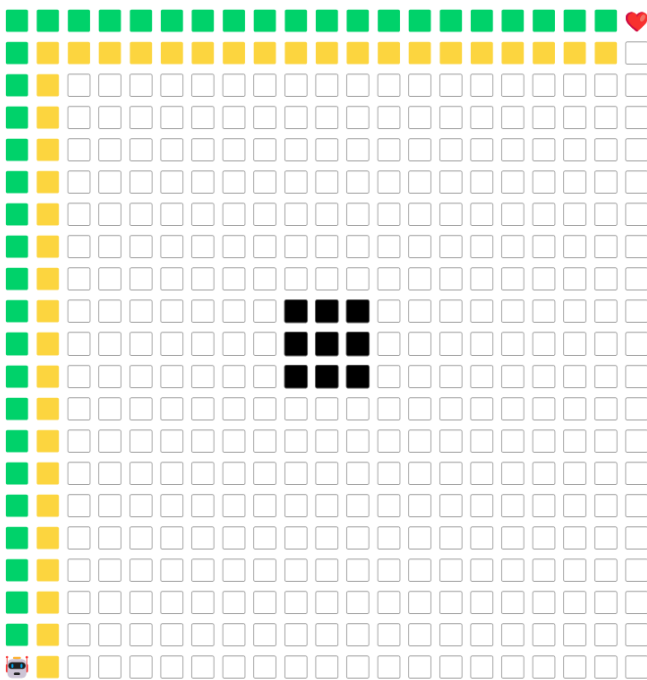Sample BFS output:

Another plausible output: green line goes straight up and then right. The rest of the world is yellow.

Sample DFS output:

Another plausible output: green line goes to the right and then straight up. Yellow line outlines the green.

Sample A* output: