

Exercise 12

- a) 1. From point R, go in four directions. If the next position of one path is occupied or out of the boundary, discard the path
2. If the next position is taken before, discard the path.
3. Once a path reaches the goal, remember the steps and route of that path.
4. After all paths are finished, choose the minimal steps one path takes.
5. Then, it is the answer.
- b) From the below picture, the shortest path is **12 steps**.

