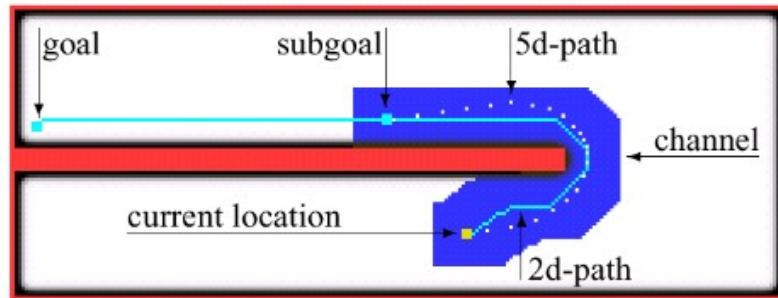


Homework 10 Path planning

11510424 刘悦

作业要求：

Please use A* and 5d planning to plan the following trajectories, respectively.



算法过程：

- $g(n)$ = actual cost from the initial state to n .
- $h(n)$ = estimated cost from n to the next goal.
- $f(n) = g(n) + h(n)$, the estimated cost of the cheapest solution through n .
- Let $h^*(n)$ be the actual cost of the optimal path from n to the next goal.
- h is admissible if the following holds for all n :
 - $h(n) \leq h^*(n)$

实现效果：

实现语言：python 地图文件是 mymap.txt

红色点的是起点，绿色的是终点，蓝色的是最后搜索出来的路径

