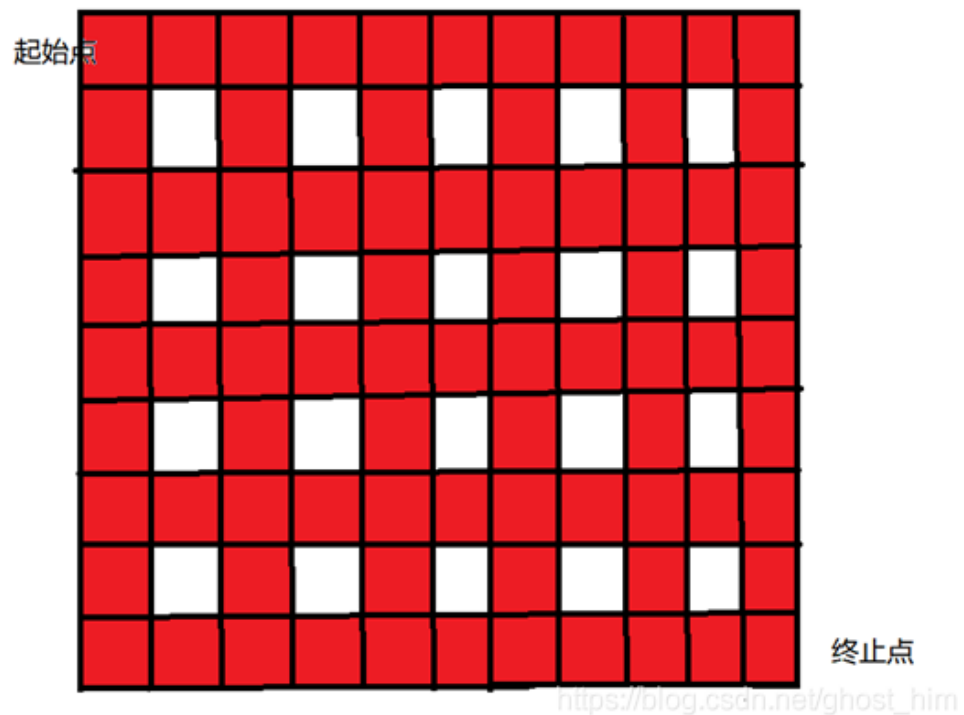


Maze Generator & Solver

數學四 108201021 謝沛寰

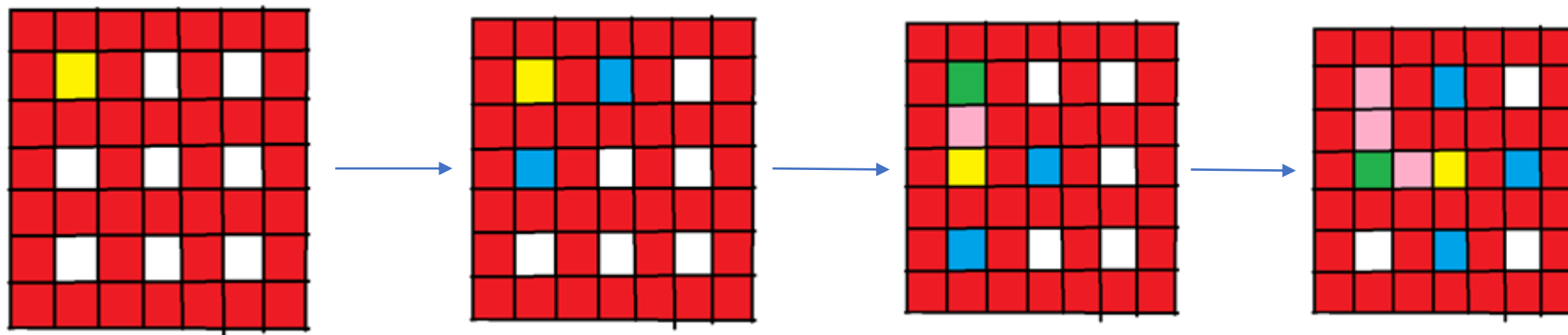
生成迷宫

● 設計概念

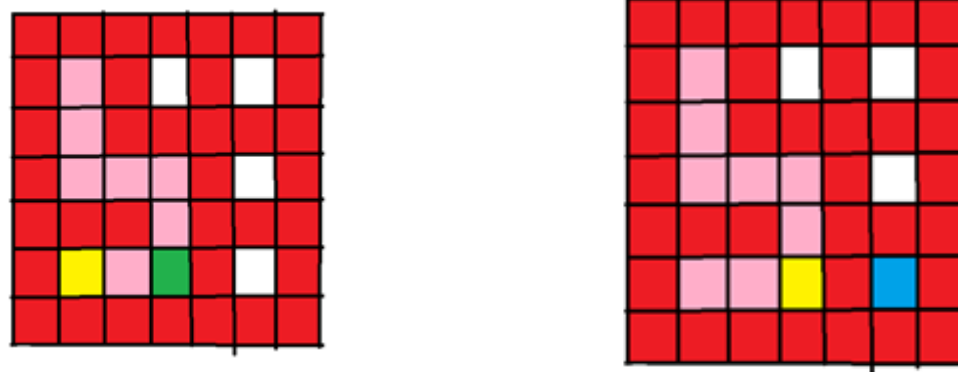


圖源：https://blog.csdn.net/ghost_him/article/details/116141180

生成迷宮



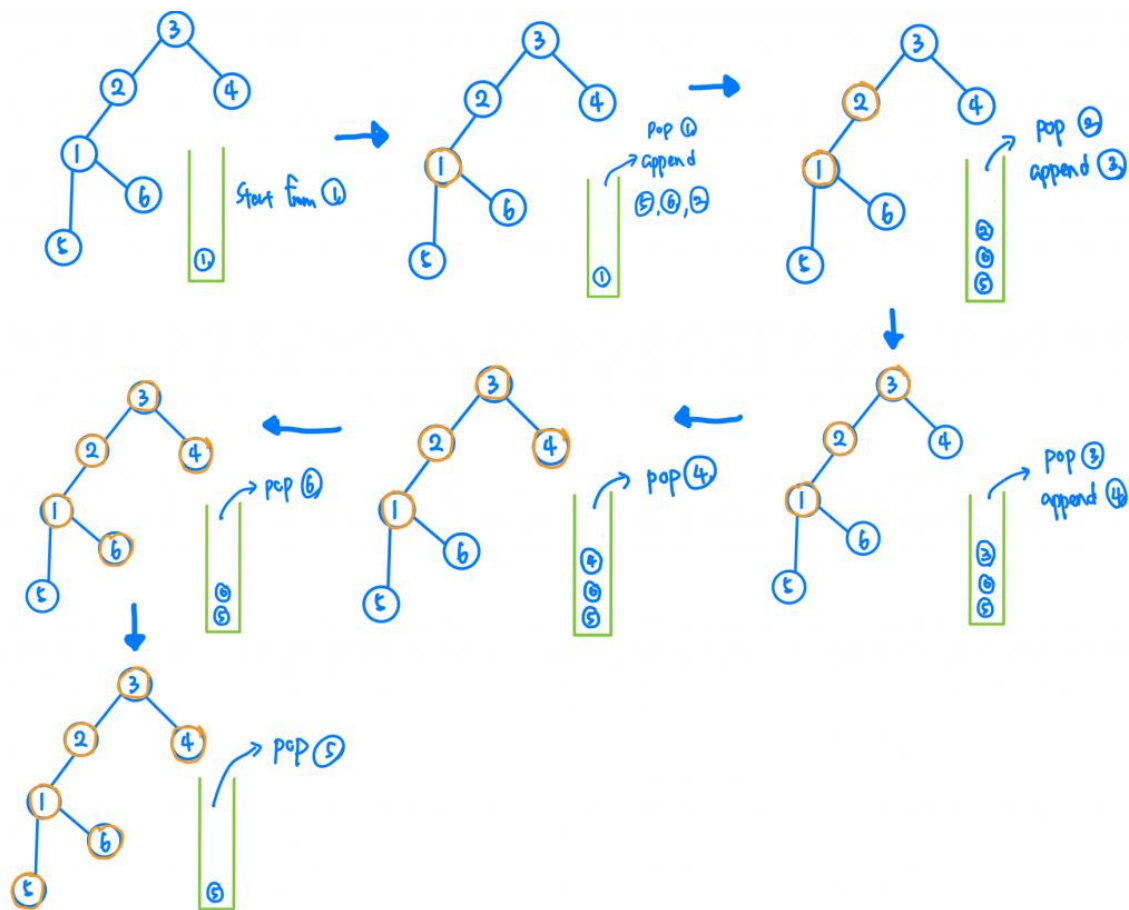
回溯:



實驗結果

```
#####
#                                     #
#   #####   #####   #   #   #####   #####   #   #
#           #   #   #   #           #   #
#####   #####   #   #####   #####   #   #
#           #   #   #   #           #   #   #   #
#   #####   #####   #   #####   #   #####   #
#   #           #   #   #           #   #   #   #
#   #####   #####   #   #   #####   #####   #   #
#   #           #   #   #   #           #   #   #   #
#   #           #   #           #   #   #   #   #   #
#   #   #   #####   #   #   #   #   #   #   #   #
#   #   #   #   #   #   #   #   #   #   #   #   #
#   #   #   #   #   #   #   #   #   #   #   #   #
#   #   #   #   #   #   #   #   #   #   #   #   #
#   #   #   #   #   #   #   #   #   #   #   #   #
#   #   #   #   #   #   #   #   #   #   #   #   #
#   #   #   #   #   #   #   #   #   #   #   #   #
#   #   #   #   #   #   #   #   #   #   #   #   #
#   #   #   #   #   #   #   #   #   #   #   #   #
#   #   #   #   #   #   #   #   #   #   #   #   #
#   #   #   #   #   #   #   #   #   #   #   #   #
#####
=====
Time Cost : 0.025110
betty0805@ubuntu:~/Desktop/DS/Final/bin$
```

迷宮搜尋



圖源：<https://ithelp.ithome.com.tw/articles/10298714?sc=rss.iron>

實驗結果

```
#####
@@#          @@@#          #
#@#####   ###@#@#   #####   #
#@@@@@@#   #@#@#   #   #   #
#####@#####@#@###   #####   #
#@@@@@@#@@@@@@#@#   #   #   #
#@#####@#####@#   #####   #
#@#   @@@#@@@@#@#   #   #   #
#@#####@#####@#@#   #####   #
#@#@@@#@@@@#@@@@#   #   #   #
#@#@#####@#####   #   #   #
#@#@@@#@@@@#   #   #   #   #
#@#   #@#####@#   #   #   #   #
#@#   #@@@#@#@#   #   #   #   #
#@#   #####@#@####   #   #   #   #
#@#   #@@@#@@@@#   #   #   #   #
#@#   #@#####@#   #####   #   #
#@#   #@@@#@   #@#   #   #   #
#@#####   #@#   #@####   #   #   #
#@@@@#   #@#   #@@@@#   #   #   #
####@#####@#   ####@#####   #
#@@@#@@@@#   #@@@@#   #@#@@@@#@#
#@#####@####   #   ####@#####@#####@#
#@#@@@@#   #   #@@@#@@@@#@@@@#@#   #@#
#@#@####   ####   #@#####@#####   #   #@#
#@@@@#   #   @@@@@@#   #   @@
#####
Time Cost : 0.058675
betty0805@ubuntu:~/Desktop/DS/Final/bin$ S
```