

Introduction to Computing System

Assignment 6

Due date: 23:55 on August 17, 2015

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Note: You MUST do the programming assignment by yourself. You are permitted to get help ONLY from the TAs and instructors.

Maze

Your job

Complete programming Assignment 4 using C language. Your program need read the maze from **maze.in** and output the result to **maze.out**.

Input Format

The representation of the maze is same as described in Assignment 4. Each line contains a binary number indicating the starting address, which is in no use this time, starting cell or cell description.

Output Format

The same as required in Assignment 4.

Sample Case

maze.in:

```
010000000000000000
000000000000000000
000000000000000000
000000000000000100
000000000000000011
000000000000000110
000000000000000011
000000000000000100
000000000000000011
000000000000000110
000000000000000011
000000000000000010
0000000000000001010
0000000000000001010
```

```
00000000000001110
00000000000000101
00000000000001101
00000000000001011
00000000000001010
00000000000001010
00000000000001100
00000000000001011
00000000000001010
00000000000000110
00000000000000101
00000000000001001
00000000000001010
00000000000001110
00000000000000001
00000000000001010
00000000000001000
00000000000001100
00000000000000101
00000000000000011
00000000000001010
00000000000001010
00000000000000100
00000000000001001
00000000000000110
00000000000000101
00000000000000101
00000000000000101
000000000000001001
00000000000001010
00000000000001100
000000000000010111
00000000000000101
000000000000001001
00000000000000100
00000000000000101
00000000000000101
00000000000001001
```

maze.out:

```
00 01 11 21 22 12 02 03 13 14 15 16 26 25 24 34 35 36 46 45 44 43 53
52 51
```

Submit your Program

The program you are to submit is a C language file called **maze.c**. You SHOULD write a simple report for your program to briefly describe how to use your program and how it works.

Submit it on website <http://10.214.208.4/intro2cs>