

ECE448

Fall 2017

Assignment 1: Maze Search, Part 1

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'+' indicates the solution path, '.' Indicates the cells visited, and '@' indicates the goal found.

Medium

# Big

[illegible]

Open

[illegible]

Medium

Big

[illegible]

Open

[illegible]

Medium

[illegible]

Big

[illegible]

Open

```
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%                %P..                %
%                %+...                %
%                %+. ...                %
%                %+. ....                %
%                %+++++.                %
%                %%%%%%%%%+.                %
%                %+.                %
%                %+.                %
%                %+.                %
%                %+.                %
%                .....                %
%                .+++++. ....%+.                %
%                .+%%%%%%%%+++++.                %
%                .+%.....                %
%                .+%.....                %
%                .+%.....                %
%                .+%.....                %
%                .+%.....                %
%                .+@%.....                %
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%

path cost of the solution 45
number of nodes expanded:151
Start: [1,23]
Goal: [18,9]
```

Medium

Big

[illegible]



Open

```
%P.....%
%+.....%
%+.....%
%+.....%
%+++++. .%
%%%%%%%%%+. .%
              %+. .%
              %+. .%
      . . . . . %+. .%
                      %+. .%
    . ++++++. . %+. .%
    . +%%%%%%%%%+++++. .%
    . +%.....%
    . +%.....%
    . +%.....%
    . +%.....%
    . +%.....%
    . +@%.....%
```

```
path cost of the solution 45
number of nodes expanded:223
Start: [1,23]
Goal: [18,9]
```