TDT4136 - Exercise 3

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We based our A*-implementation on the work done by Luarent Luce, see the bibliography. [1] The visualization is simply written as text to console, as we did not make visualization a priority.

Subproblem A-1

Here are the results from the four boards:

Board 1-1

```
. . . . . .
. . . . . ooooooooo . .
. . . . . o######..o . .
. . . . . oooA . . # . . B . .
. . . . . # # # # # # . . . . .
. . . . . .
. . . . . .
```

Board 1-2

```
. . . . ooo # . . . . . .
. . . oo#o # . . . . . .
. . oo#oo # . . . . . .
Aoo#.o # . . . . ooooooooB
. . . . # oo # . . oo # . . . . . .
. . . . . # oo#oo # . . . . . .
. . . . . # ooo # . . . . . .
```

Board 1-3

```
. . . . . o o o o o o . . . . .
. . . . . o # . . . o o o . . .
. . . . . # # o o # . . . . o . . .
. . . . . # o A # o # . . . . o . . .
. . . . . # o # o o # . . . . o . . .
. . . . . # o o o # . . . . . o o . .
. . . . . # # # . . . . . o o B
```

Board 1-4

```
A o # . . . . . # . . . . . # . .
# o # . # # # # # . # . # # # # . # . .
o o # o o o o o # . # . . . . # . . . .
o # # o # # # o # # # # # # # # # # # #
o o # o B # o o # . . . . # . . . # . .
# o # # # # o # # . # # . # . # . # # .
. o o o o o o . . . . # . . . # . . . .
```

References

[1] http://www.laurentluce.com/posts/solving-mazes-using-python-simple-recursivity-and-a-search/
Downloaded October 3. 2014