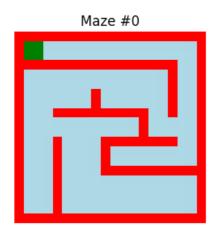
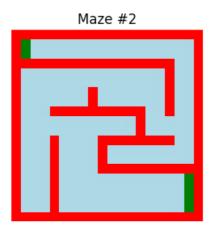
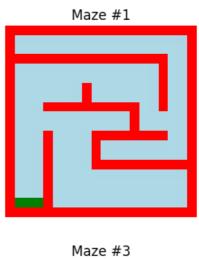
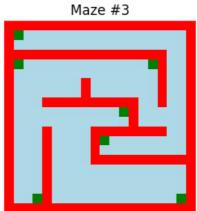
H13.1 (a) Plot Mazes









H13.1 (b) Transition model

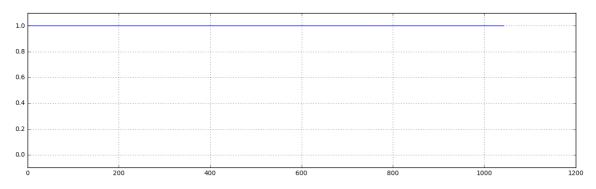
State:

- 0 = Reward
- 1 = Unrewarded
- 2 = Not accessible

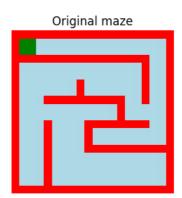
Actions:

- 1 = Move right
- 2 = Move down
- 3 = Move left
- 4 = Move up

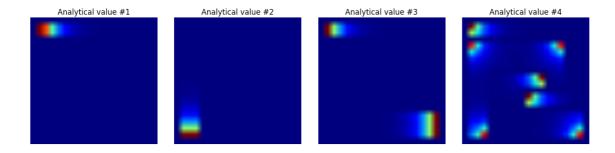
<function plot at 0x00000198A52E4AE8>



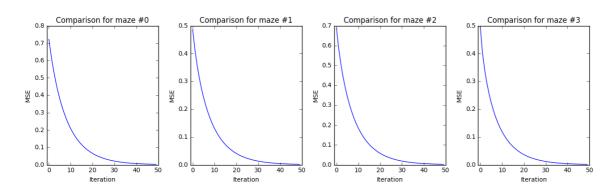
Possible steps for each field



H13.1 (c) Policy evaluation

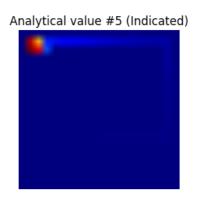


H13.1 (d) Bellman - Value iteration



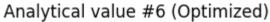
H13.2 (a) Indicated policy

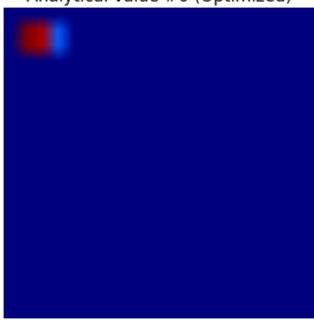
Analytical value #5 (Simple)



H13.2 (b) Find optimal policy

#################### #XX<<<<<*/* #XX<<<<<*/* ############ #>>>>>> #>>>>>> #^^^^**>>>>vv#^^# #^^^^#>>>>vv#^^# #^^^##########vv#^^# #^^^<<<<<#>>>^^# #^^^<<<<<#>>>^^# #^^^#^<<<########## #^^^#^<<<#>>>>> #^^^#^<<<#>>>>> #^^^#^<<<############# #^^^#^<<<<<<<# #^^^#^<<<<<<<# #^^^#^<<<<<<<# #^^^#^<<<<<<< ####################

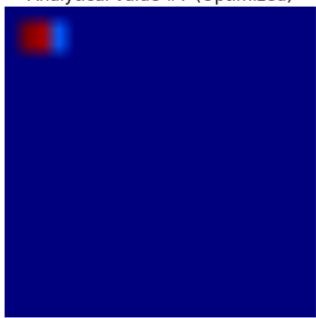




H13.2 (c) Another optimal policy

#################### #XX<<<<<<# #XX<<<<<<# ###########* **#**VVVVVVVVVVVV*^<# #>>>>>> #>>>>^#vvvvvv#^<# #>>>>>\#^<# #>>^########**>v#^<# #>>^<<<<<#>+>> #>>^^^^^ #>>^#^^^^######## #>>^#^^^#>>>> #>>^#^^^^# #>>^#^^^^########### #>>^#^^^<<<<< #>>^#^^^^^^ #>>^#^^^^^^ #>>^#^^^^^^ #####################





H13.2 (d) Optimal Policy = Uniform Policy