



[The Reinforcement Learning](#)

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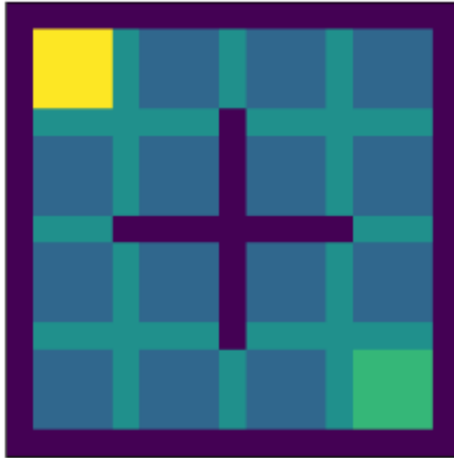
SimpleRoomsEnv Transition Table

Lab Instructions

Let's revisit the SimpleRoomsEnv environment. Go to the **lib\envs** folder and open the `simple_rooms.py` file.

By now you should be quite familiar with this environment, its different states, and how the reward structure is implemented.

Consider the following state in this environment:



Lab Question

1/1 point (graded)

Which four of the following represent transition probabilities and expected rewards?

☒ s:10000000000000000 a:0 s':10000000000000000 p(s' | s,a):1 r(s,a,s'): 0

☐ s:10000000000000000 a:0 s':01000000000000000 p(s' | s,a):1 r(s,a,s'): 0

☐ s:10000000000000000 a:0 s':10000000000000000 p(s' | s,a):0.25 r(s,a,s'): 0

☒ s:10000000000000000 a:1 s':01000000000000000 p(s' | s,a):1 r(s,a,s'): 0

☐ s:10000000000000000 a:1 s':10000000000000000 p(s' | s,a):1 r(s,a,s'): 0

☐ s:10000000000000000 a:1 s':01000000000000000 p(s' | s,a):0.25 r(s,a,s'): 0

☐ s:10000000000000000 a:2 s':00001000000000000 p(s' | s,a):1 r(s,a,s'): 0

☒ s:10000000000000000 a:2 s':10000000000000000 p(s' | s,a):1 r(s,a,s'): 0

☐ s:10000000000000000 a:2 s':10000000000000000 p(s' | s,a):0.25 r(s,a,s'): 0

☒ s:10000000000000000 a:3 s':00001000000000000 p(s' | s,a):1 r(s,a,s'): 0

☐ s:10000000000000000 a:3 s':10000000000000000 p(s' | s,a):1 r(s,a,s'): 0

☐ s:10000000000000000 a:3 s':00001000000000000 p(s' | s,a):0.25 r(s,a,s'): 0

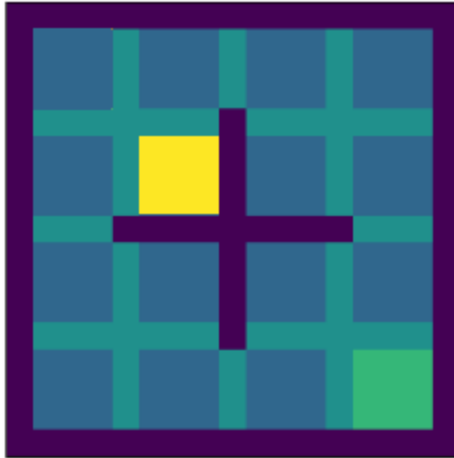


Submit

You have used 1 of 2 attempts

✓ Correct (1/1 point)

Now consider the following state in this environment:



Lab Question

1/1 point (graded)

Which four of the following represent transition probabilities and expected rewards?

☐ s:0000010000000000 a:0 s':0000010000000000 $p(s' | s, a):1$ $r(s, a, s'): 0$

☒ s:0000010000000000 a:0 s':0100000000000000 $p(s' | s, a):1$ $r(s, a, s'): 0$

☐ s:0000010000000000 a:0 s':0100000000000000 $p(s' | s, a):0.25$ $r(s, a, s'): 0$

☒ s:0000010000000000 a:1 s':0000010000000000 $p(s' | s, a):1$ $r(s, a, s'): 0$

☐ s:0000010000000000 a:1 s':0000010000000000 $p(s' | s, a):1$ $r(s, a, s'): 1$

☐ s:0000010000000000 a:1 s':0000010000000000 p(s' | s,a):0.25 r(s,a,s'): 0

☐ s:0000010000000000 a:2 s':0000010000000000 p(s' | s,a):1 r(s,a,s'): 0

☒ s:0000010000000000 a:2 s':0000100000000000 p(s' | s,a):1 r(s,a,s'): 0

☐ s:0000010000000000 a:2 s':0000100000000000 p(s' | s,a):0.25 r(s,a,s'): 0

☒ s:0000010000000000 a:3 s':0000010000000000 p(s' | s,a):1 r(s,a,s'): 0

☐ s:0000010000000000 a:3 s':0000100000000000 p(s' | s,a):1 r(s,a,s'): 0

☐ s:0000010000000000 a:3 s':0000010000000000 p(s' | s,a):0.25 r(s,a,s'): 0



Submit

You have used 1 of 2 attempts

✓ Correct (1/1 point)

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