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

1.0/1.0 point (graded)

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

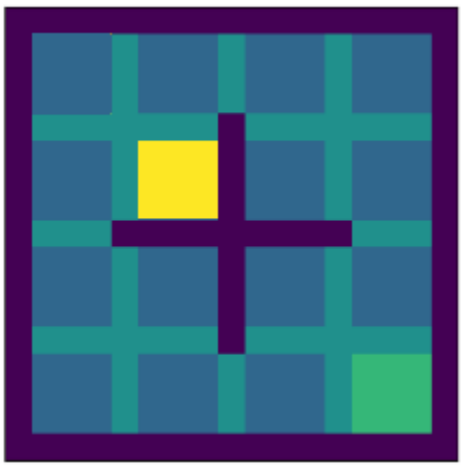
- [x] s:1000000000000000 a:0 s':1000000000000000 p(s'|s,a):1 r(s,a,s'): 0
- [ ] s:1000000000000000 a:0 s':0100000000000000 p(s'|s,a):1 r(s,a,s'): 0

- [ ] s:1000000000000000 a:0 s':1000000000000000 p(s'|s,a):0.25 r(s,a,s'): 0
- [x] s:1000000000000000 a:1 s':0100000000000000 p(s'|s,a):1 r(s,a,s'): 0
- [ ] s:1000000000000000 a:1 s':1000000000000000 p(s'|s,a):1 r(s,a,s'): 0
- [ ] s:1000000000000000 a:1 s':0100000000000000 p(s'|s,a):0.25 r(s,a,s'): 0
- [ ] s:1000000000000000 a:2 s':0000100000000000 p(s'|s,a):1 r(s,a,s'): 0
- [x] s:1000000000000000 a:2 s':1000000000000000 p(s'|s,a):1 r(s,a,s'): 0
- [ ] s:1000000000000000 a:2 s':1000000000000000 p(s'|s,a):0.25 r(s,a,s'): 0
- [x] s:1000000000000000 a:3 s':0000100000000000 p(s'|s,a):1 r(s,a,s'): 0
- [ ] s:1000000000000000 a:3 s':1000000000000000 p(s'|s,a):1 r(s,a,s'): 0
- [ ] s:1000000000000000 a:3 s':0000100000000000 p(s'|s,a):0.25 r(s,a,s'): 0

✔

Submit You have used 2 of 2 attempts

Now consider the following state in this environment:



Lab Question

1.0/1.0 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
- [x] 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
- [x] 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
- [x] 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
- [x] 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

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