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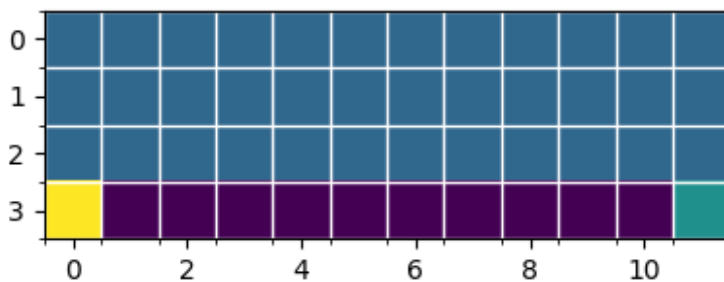
CliffWalkingEnv Transition Table

Lab Instructions

Let's revisit the CliffWalkingEnv environment. Go to the **lib\envs** folder and open the cliff_walking.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:3,0 a:0 s':2,0 p(s' | s,a):1 r(s,a,s'): -1

☐ s:3,0 a:0 s':2,0 p(s' | s,a):1 r(s,a,s'): -100

☐ s:3,0 a:0 s':2,0 p(s' | s,a):0.25 r(s,a,s'): -1

- ☐ s:3,0 a:1 s':3,1 p(s' | s,a):1 r(s,a,s'): -1
- ☒ s:3,0 a:1 s':3,1 p(s' | s,a):1 r(s,a,s'): -100
- ☐ s:3,0 a:1 s':3,1 p(s' | s,a):0.25 r(s,a,s'): -100
- ☐ s:3,0 a:2 s':3,0 p(s' | s,a):1 r(s,a,s'): 0
- ☒ s:3,0 a:2 s':3,0 p(s' | s,a):1 r(s,a,s'): -1
- ☐ s:3,0 a:2 s':3,0 p(s' | s,a):0.25 r(s,a,s'): -1
- ☐ s:3,0 a:3 s':3,0 p(s' | s,a):1 r(s,a,s'): 0
- ☒ s:3,0 a:3 s':3,0 p(s' | s,a):1 r(s,a,s'): -1
- ☐ s:3,0 a:3 s':3,0 p(s' | s,a):0.25 r(s,a,s'): -1

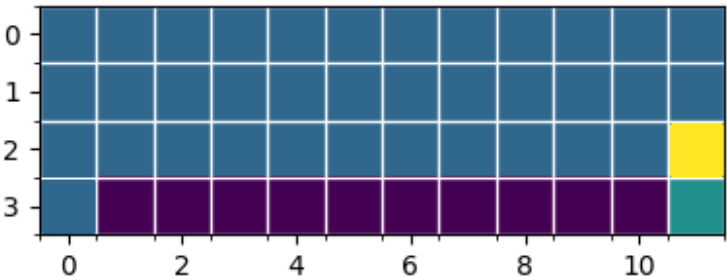


Submit

You have used 1 of 2 attempts

✓ Correct (1/1 point)

Now consider the following state in this environment:



Checkboxes

1/1 point (graded)

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

☐ $s:2,11 \ a:0 \ s':1,11 \ p(s' | s,a):1 \ r(s,a,s'): 0$

☒ $s:2,11 \ a:0 \ s':1,11 \ p(s' | s,a):1 \ r(s,a,s'): -1$

☐ $s:2,11 \ a:0 \ s':1,11 \ p(s' | s,a):0.25 \ r(s,a,s'): -1$

☐ $s:2,11 \ a:1 \ s':2,11 \ p(s' | s,a):1 \ r(s,a,s'): 0$

☒ $s:2,11 \ a:1 \ s':2,11 \ p(s' | s,a):1 \ r(s,a,s'): -1$

☐ $s:2,11 \ a:1 \ s':2,11 \ p(s' | s,a):0.25 \ r(s,a,s'): -1$

☐ $s:2,11 \ a:2 \ s':2,10 \ p(s' | s,a):1 \ r(s,a,s'): -1$

☒ $s:2,11 \ a:2 \ s':3,11 \ p(s' | s,a):1 \ r(s,a,s'): -1$

☐ $s:2,11 \ a:2 \ s':3,11 \ p(s' | s,a):0.25 \ r(s,a,s'): -1$

☒ $s:2,11 \ a:3 \ s':2,10 \ p(s' | s,a):1 \ r(s,a,s'): -1$

☐ $s:2,11 \ a:3 \ s':3,11 \ p(s' | s,a):1 \ r(s,a,s'): -1$

☐ $s:2,11 \ a:3 \ s':2,10 \ p(s' | s,a):0.25 \ r(s,a,s'): -1$



Submit

You have used 1 of 2 attempts

✓ Correct (1/1 point)

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