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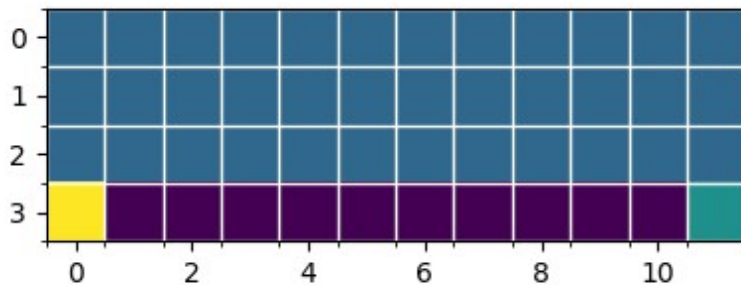
## CliffWalkingEnv Transition Table

### 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

1.0/1.0 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

□  $s:3,0 \ a:3 \ s':3,0 \ p(s'|s,a):1 \ r(s,a,s'):0$

☒  $s:3,0 \ a:3 \ s':3,0 \ p(s' | s,a):1 \ r(s,a,s'): -1$

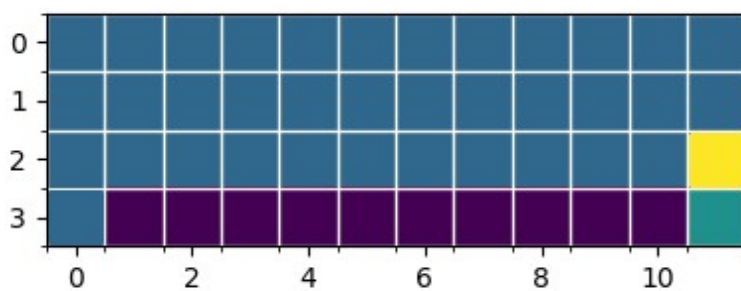
□ s:3,0 a:3 s':3,0 p(s' | s,a):0.25 r(s,a,s'): -1



Submit

You have used 1 of 2 attempts

Now consider the following state in this environment:



## Checkboxes

0.0/1.0 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 2 of 2 attempts