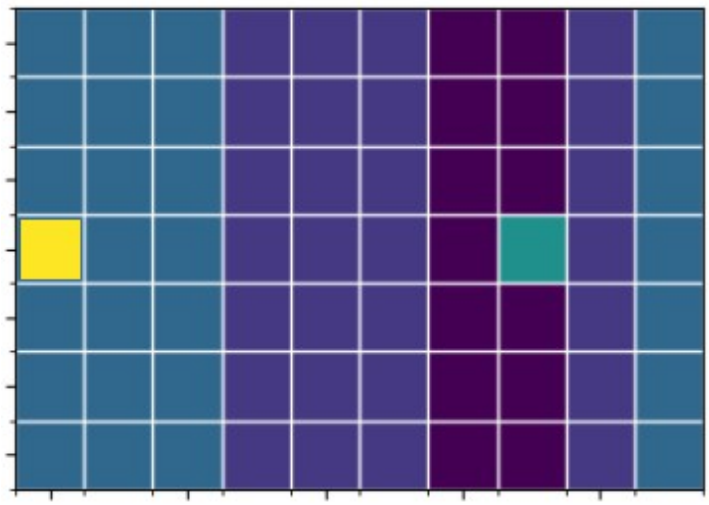
WindyGridworldEnv Transition Table

Lab Instructions

Let's revisit the WindyGridworldEnv environment. Go to the **lib\envs** folder and open the windy_gridworld.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

0.0/1.0 point (graded)

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

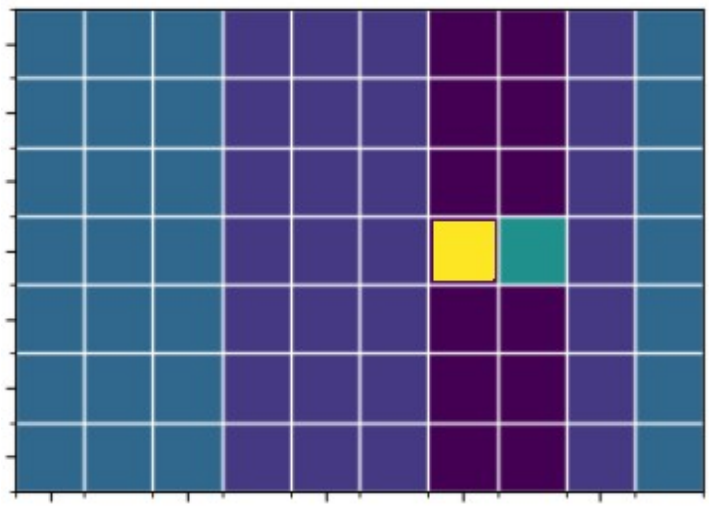
- ☐ s:30 a:0 s':20 p(s'|s,a):1 r(s,a,s'): -1

- [x] s:30 a:0 s':20 p(s'|s,a):1 r(s,a,s'): -100
- [ ] s:30 a:0 s':20 p(s'|s,a):0.25 r(s,a,s'): -1
- [ ] s:30 a:1 s':31 p(s'|s,a):1 r(s,a,s'): -1
- [ ] s:30 a:1 s':31 p(s'|s,a):1 r(s,a,s'): -100
- [x] s:30 a:1 s':31 p(s'|s,a):0.25 r(s,a,s'): -100
- [x] s:30 a:2 s':40 p(s'|s,a):1 r(s,a,s'): 0
- [ ] s:30 a:2 s':40 p(s'|s,a):1 r(s,a,s'): -1
- [ ] s:30 a:2 s':40 p(s'|s,a):0.25 r(s,a,s'): -1
- [x] s:30 a:3 s':30 p(s'|s,a):1 r(s,a,s'): 0
- [ ] s:30 a:3 s':30 p(s'|s,a):1 r(s,a,s'): -1
- [ ] s:30 a:3 s':30 p(s'|s,a):0.25 r(s,a,s'): -1

✖

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?

- [x] s:36 a:0 s':6 p(s'|s,a):1 r(s,a,s'): -1
- [ ] s:36 a:0 s':16 p(s'|s,a):1 r(s,a,s'): -1
- [ ] s:36 a:0 s':26 p(s'|s,a):1 r(s,a,s'): -1
- [x] s:36 a:1 s':17 p(s'|s,a):1 r(s,a,s'): -1
- [ ] s:36 a:1 s':27 p(s'|s,a):1 r(s,a,s'): -1
- [ ] s:36 a:1 s':37 p(s'|s,a):1 r(s,a,s'): -1
- [ ] s:36 a:2 s':16 p(s'|s,a):1 r(s,a,s'): -1
- [x] s:36 a:2 s':26 p(s'|s,a):1 r(s,a,s'): -1
- [ ] s:36 a:2 s':46 p(s'|s,a):1 r(s,a,s'): -1

- [x] s:36 a:3 s':15 p(s'|s,a):1 r(s,a,s'): -1
- [ ] s:36 a:3 s':25 p(s'|s,a):1 r(s,a,s'): -1
- [ ] s:36 a:3 s':35 p(s'|s,a):1 r(s,a,s'): -1

✔

Submit You have used 2 of 2 attempts

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