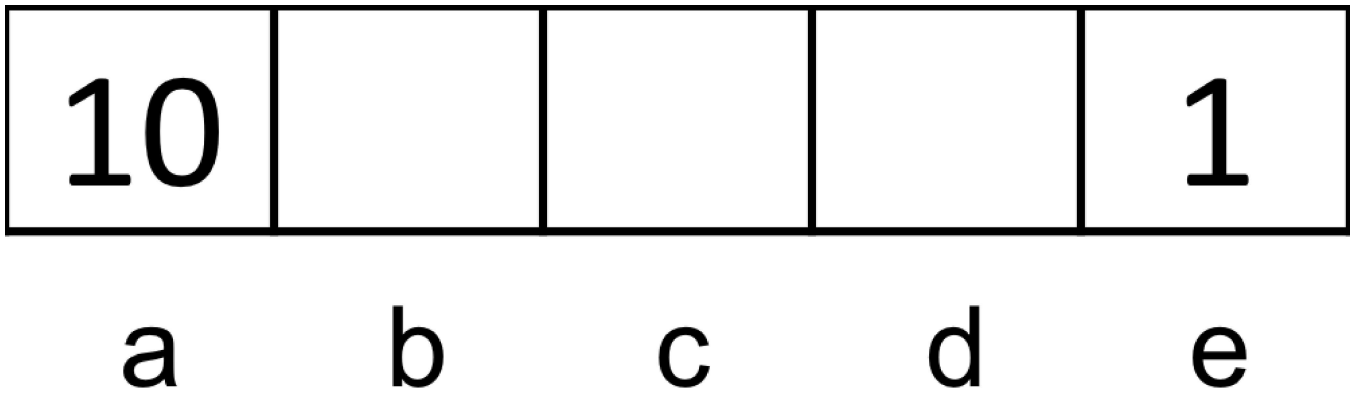
# hw4_mdps_q2_value_iteration_convergence_values

## Question 2: Value Iteration Convergence Values

5/5 points (ungraded)

Consider the gridworld where Left and Right actions are successful 100% of the time. Specifically, the available actions in each state are to move to the neighboring grid squares. From state $a$, there is also an exit action available, which results in going to the terminal state and collecting a reward of 10. Similarly, in state $e$, the reward for the exit action is 1. Exit actions are successful 100% of the time.




Let the discount factor $\gamma = 0.2$. Fill in the following quantities.

$V^*(a) = V_\infty(a) =$

10 ✔

$V^*(b) = V_\infty(b) =$

2 ✔

$V^*(c) = V_\infty(c) =$

0.4 ✔

$V^*(d) = V_\infty(d) =$

0.2 ✔

$V^*(e) = V_\infty(e) =$

1 ✔

Submit

✔ Correct (5/5 points)