Congratulations! You passed!

Grade received 100%

Latest Submission Grade 100%

To pass 80% or higher

Go to next item

1. 1 / 1 point

Which of the following accurately describes the state-action value function Q(s,a)?

- (●) It is the return if you start from state s, take action a (once), then behave optimally after that.
- ( ) It is the return if you start from state s and repeatedly take action a.
- ( ) It is the return if you start from state s and behave optimally.
- ( ) It is the immediate reward if you start from state and take action a (once).

Correct

2. 1 / 1 point

You are controlling a robot that has 3 actions: ← (left), → (right) and STOP. From a given state s, you have computed Q(s, ←) = -10, Q(s, →) = -20, Q(s, STOP) = 0.

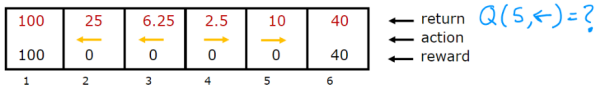
What is the optimal action to take in state s?

- (●) STOP
- ( ) ← (left)
- ( ) → (right)
- ( ) Impossible to tell

Correct

3. 1 / 1 point

For this problem, \gamma = 0.25. The diagram below shows the return and the optimal action from each state. Please compute Q(5, ←).



- (●) 0.625
- ( ) 0.391
- ( ) 1.25
- ( ) 2.5

Correct