



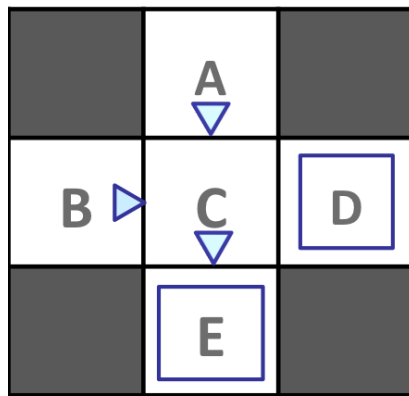
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hw5_rl_q3_direct_evaluation

Question 3: Direct Evaluation

10/10 points (graded)

Input Policy π



Assume: $\gamma = 1$

Observed Episodes (Training)

Episode 1

A, south, C, -1
C, south, E, -1
E, exit, x, +10

Episode 2

B, east, C, -1
C, south, D, -1
D, exit, x, -10

Episode 3

B, east, C, -1
C, south, E, -1
E, exit, x, +10

Episode 4

A, south, C, -1
C, south, E, -1
E, exit, x, +10

What are the estimates for the following quantities as obtained by direct evaluation:

$$\hat{V}^{\pi}(A) =$$



$$\hat{V}^{\pi}(B) =$$



$$\hat{V}^{\pi}(C) =$$



$$\hat{V}^{\pi}(D) =$$



$$\hat{V}^{\pi}(E) =$$



✓ Correct (10/10 points)

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