## CS 4710: Artificial Intelligence Homework 3: Value Iteration

Case I: No Wind

a. Value Function Computed

b. Sequence of States and Actions that are used when one follows optimal policy  $\pi$  \* starting from the state (3, 0).

Starting at (3,0) to (3,6): E, E, E, E, E, E

Case II: Light Wind

a. Value Function Computed

b. Sequence of States and Actions that are used when one follows optimal policy  $\pi$  \* starting from the state (3, 0).

Starting at (3,0) to (3,6): E, E, E, SE, SE, SE

## Case III: Strong Wind

a. Value Function Computed

b. Sequence of States and Actions that are used when one follows optimal policy  $\pi *$  starting from the state (3, 0).

Starting at (3,0) to (3,6): SE, SE, SE, E, SE, SE, S