

### No wind:

[[-6 -5 -4 -3 -3 -3 -3]

[-6 -5 -4 -3 -2 -2 -2]

[-6 -5 -4 -3 -2 -1 -1]

[-6 -5 -4 -3 -2 -1 0]

[-6 -5 -4 -3 -2 -1 -1]

[-6 -5 -4 -3 -2 -2 -2]

[-6 -5 -4 -3 -3 -3 -3]]

["(3, 0) : 'NE' -> (2,1)", "(2, 1) : 'NE' -> (1,2)", "(1, 2) : 'NE' -> (0,3)", "(0, 3) : 'SE' -> (1,4)", "(1, 4) : 'SE' -> (2,5)", "(2, 5) : 'SE' -> (3,6)"]

["(3, 0) : 'SE' -> (4,1)", "(4, 1) : 'SE' -> (5,2)", "(5, 2) : 'SE' -> (6,3)", "(6, 3) : 'NE' -> (5,4)", "(5, 4) : 'NE' -> (4,5)", "(4, 5) : 'NE' -> (3,6)"]

### Light Wind:

[[-6 -6 -6 -6 -5 -4 -3]

[-6 -5 -5 -5 -4 -3 -2]

[-6 -5 -4 -4 -3 -2 -1]

[-6 -5 -4 -3 -2 -1 0]

[-6 -5 -4 -3 -2 -1 -1]

[-6 -5 -4 -3 -2 -1 -2]

[-6 -5 -4 -3 -2 -2 -2]]

["(3, 0) : 'NE' -> (2,1)", "(2, 1) : 'E' -> (2,2)", "(2, 2) : 'SE' -> (3,3)", "(3, 3) : 'SE' -> (3,4)", "(3, 4) : 'SE' -> (3,5)", "(3, 5) : 'SE' -> (3,6)"]

["(3, 0) : 'SE' -> (4,1)", "(4, 1) : 'SE' -> (5,2)", "(5, 2) : 'SE' -> (6,3)", "(6, 3) : 'SE' -> (6,4)", "(6, 4) : 'E' -> (5,5)", "(5, 5) : 'NE' -> (3,6)"]

## Heavy Wind:

[[-9 -8 -7 -6 -5 -4 -3]

[-8 -8 -7 -6 -5 -4 -2]

[-7 -7 -7 -6 -5 -3 -1]

[-6 -6 -6 -6 -4 -2 0]

[-6 -5 -5 -5 -3 -1 -1]

[-6 -5 -4 -4 -2 -1 -2]

[-6 -5 -4 -3 -2 -1 -2]]

["(3, 0) : 'SE' -> (4,1)", "(4, 1) : 'SE' -> (5,2)", "(5, 2) : 'SE' -> (6,3)", "(6, 3) : 'SE' -> (5,4)", "(5, 4) : 'SE' -> (4,5)", "(4, 5) : 'SE' -> (3,6)"]

For the error function, I realize its purpose is to halt the algorithm once the utility function has reached an equilibrium where the changes become miniscule, but I realized that with the trivial case presented to us in our homework, the delta would be 1 until the reward stopped propagating through, and then it would become 0. So instead of using the .001 stuff, I just tested the delta against 0 for an equivalent purpose.