```
ubuntu@ip-172-31-12-239:~$ export openblas_num_threads=1; export OMP_NUM_THREADS=1; python EC2.py
23:06, 04/09; num of cores:96

Basic setting:[rep_times, sd_O, sd_D, sd_u_O, w_O, w_A, u_O_u_D, sd_R_range, t_func] = [96, None, None, 20, 0.5, 1, 0, [15], None]


--------------------------------------
[pattern_seed, day, sd_R] = [2, 4, 15]

max(u_O) =  145.8
O_threshold = 100
number of reward locations:  9
O_threshold = 105
number of reward locations:  7
O_threshold = 110
number of reward locations:  6
O_threshold = 115
number of reward locations:  3
target 1 in 4 DONE!
target 2 in 4 DONE!
target 3 in 4 DONE!
target 4 in 4 DONE!


----------------------------------------
Value of Behaviour policy:64.89
O_threshold = 100
MC for this TARGET:[70.785, 0.255]
    [DR/QV/IS]; [DR_NO_MARL, DR_NO_MF, V_behav]
bias:[[-0.52, -0.6, -1.19]][[-1.36, -70.78, -5.9]]
std:[[1.02, 0.99, 0.71]][[0.5, 0.0, 0.36]]
MSE:[[1.14, 1.16, 1.39]][[1.45, 70.78, 5.91]]
MSE(-DR):[[0.0, 0.02, 0.25]][[0.31, 69.64, 4.77]]
***
==============
O_threshold = 105
MC for this TARGET:[71.786, 0.245]
    [DR/QV/IS]; [DR_NO_MARL, DR_NO_MF, V_behav]
bias:[[-2.71, -2.77, -3.53]][[-4.08, -71.79, -6.9]]
std:[[1.24, 1.23, 0.82]][[0.53, 0.0, 0.36]]
MSE:[[2.98, 3.03, 3.62]][[4.11, 71.79, 6.91]]
MSE(-DR):[[0.0, 0.05, 0.64]][[1.13, 68.81, 3.93]]
***
==============
O_threshold = 110
MC for this TARGET:[70.887, 0.248]
    [DR/QV/IS]; [DR_NO_MARL, DR_NO_MF, V_behav]
bias:[[-2.54, -2.59, -3.3]][[-4.75, -70.89, -6.0]]
std:[[1.29, 1.3, 0.78]][[0.55, 0.0, 0.36]]
MSE:[[2.85, 2.9, 3.39]][[4.78, 70.89, 6.01]]
MSE(-DR):[[0.0, 0.05, 0.54]][[1.93, 68.04, 3.16]]
***
==============
O_threshold = 115
MC for this TARGET:[71.801, 0.248]
    [DR/QV/IS]; [DR_NO_MARL, DR_NO_MF, V_behav]
bias:[[-5.41, -5.42, -5.8]][[-9.62, -71.8, -6.91]]
std:[[1.56, 1.55, 0.9]][[0.6, 0.0, 0.36]]
MSE:[[5.63, 5.64, 5.87]][[9.64, 71.8, 6.92]]
MSE(-DR):[[0.0, 0.01, 0.24]][[4.01, 66.17, 1.29]]
***
==============
****************** THIS SETTING IS GOOD ******************
[[ 1.14  1.16  1.39  1.45 70.78  5.91]
 [ 2.98  3.03  3.62  4.11 71.79  6.91]
 [ 2.85  2.9   3.39  4.78 70.89  6.01]
 [ 5.63  5.64  5.87  9.64 71.8   6.92]]


time spent until now: 50.3 mins

23:56, 04/09
```