Project 2 Report

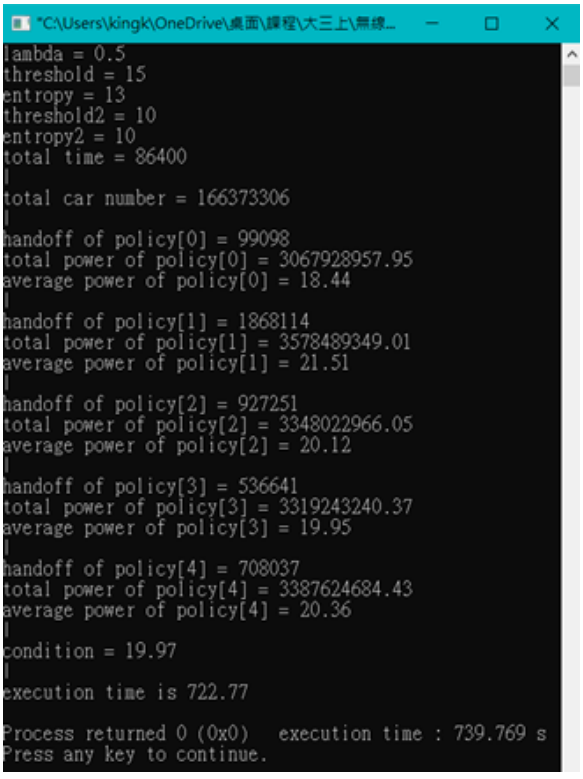
F74072251 蔡哲平

程式使用方法

- 手動輸入 `lambda` `threshold` `entropy` `threshold2` `entropy2` `total time`

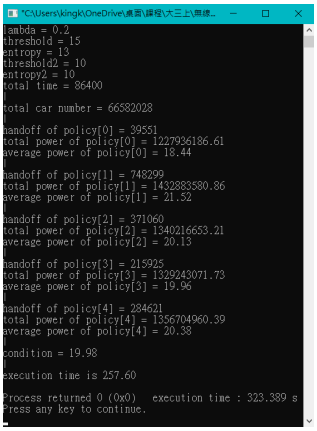
我的policy

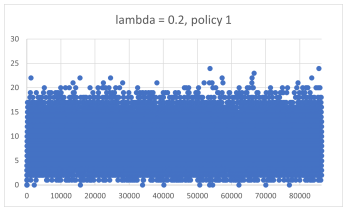
- 當 `Pold < threshold2` 或 `Pnew > Pold + entropy2`，就會 handoff，實測出來發現當`threshold2 = 10` `entropy2 = 10`的時候，其 power 比 policy2 還高，handoff 也比 policy2 低，算是優化一些
- 圖證

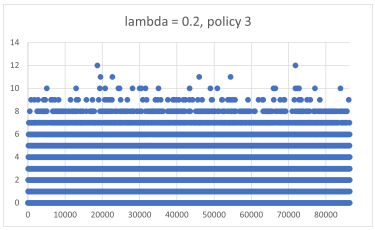


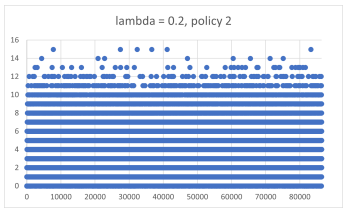
$\lambda = 1/5$

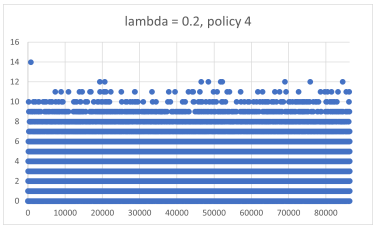
- Graph





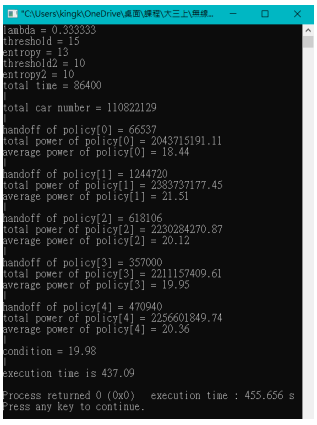


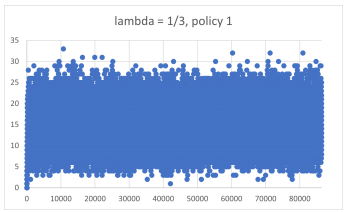


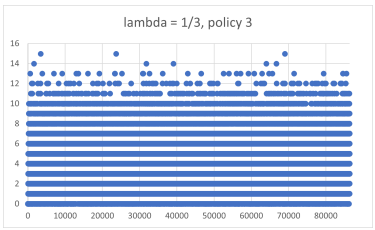


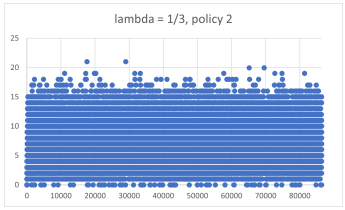
$\lambda = 1/3$

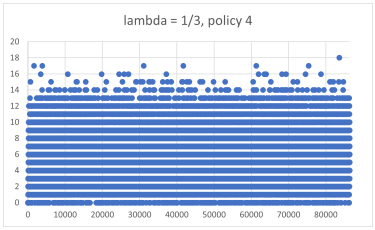
- Graph





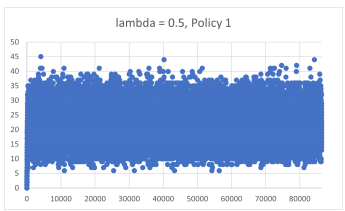


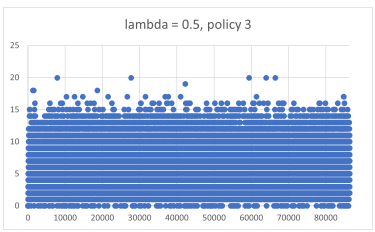


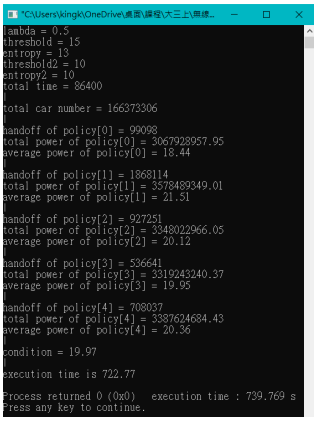


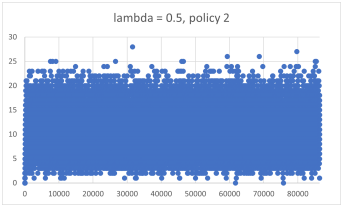
$\lambda = 1/2$

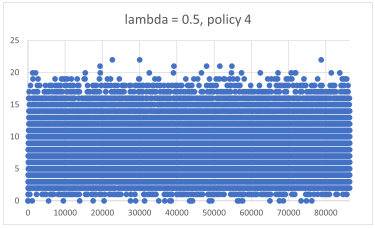
- Graph






"C:\Users\kingk\OneDrive\桌面\編程\大三上\無線...
lambda = 0.5
threshold = 15
entropy = 13
threshold2 = 10
entropy2 = 10
total time = 86400
total car number = 166373306
handoff of policy[0] = 99098
total power of policy[0] = 3067928957.95
average power of policy[0] = 18.44
handoff of policy[1] = 1868114
total power of policy[1] = 3378489349.01
average power of policy[1] = 21.51
handoff of policy[2] = 927251
total power of policy[2] = 3348022966.05
average power of policy[2] = 20.12
handoff of policy[3] = 536641
total power of policy[3] = 3319243240.37
average power of policy[3] = 19.95
handoff of policy[4] = 708037
total power of policy[4] = 3387624684.43
average power of policy[4] = 20.36
condition = 19.97
execution time is 722.77
Process returned 0 (0x0) execution time : 739.769 s
Press any key to continue.


lambda = 0.5, policy 2
30
25
20
15
10
5
0
0
10000
20000
30000
40000
50000
60000
70000
80000


lambda = 0.5, policy 4
25
20
15
10
5
0
0
10000
20000
30000
40000
50000
60000
70000
80000