STEP1: Run the 2 scripts;
main1_calc-DR_approx.py, main1_calc-HOR_approx.py

argument 1   **argument 2**

```
tokuy@DESKTOP-CI6FF07 ~/20210826_TimeBasedHOskip_TwoTier_Cluster/06_Utility_Metric_VTC2022
$ ls
main1_calc-DR_approx.py*    main2_Expt1andExpt2.py*    param-set_lambda-5.csv*
main1_calc-HOR_approx.py*   param-set_lambda-10.csv*

tokuy@DESKTOP-CI6FF07 ~/20210826_TimeBasedHOskip_TwoTier_Cluster/06_Utility_Metric_VTC2022
$ python main1_calc-DR_approx.py param-set_lambda-10.csv mcp; python main1_calc-HOR_approx.py param-set_lambda-10.csv mcp

tokuy@DESKTOP-CI6FF07 ~/20210826_TimeBasedHOskip_TwoTier_Cluster/06_Utility_Metric_VTC2022
$ ls
main1_calc-DR_approx.py*    param-set_lambda-5.csv*
main1_calc-HOR_approx.py*   result_calc-DR-approx-MCP_param-set_lambda-10.csv
main2_Expt1andExpt2.py*     result_calc-HOR-approx-MCP_param-set_lambda-10.csv
param-set_lambda-10.csv*
```

Result CSV files

STEP2: Run the script;
main2_Expt1andExpt2.py

argument 1

argument 2

```
tokuy@DESKTOP-CI6FF07 ~/20210826_TimeBasedHOskip_TwoTier_Cluster/06_Utility_Metric_VTC2022
$ ls
main1_calc-DR_approx.py*     param-set_lambda-5.csv*
main1_calc-HOR_approx.py*    result_calc-DR-approx-MCP_param-set_lambda-10.csv*
main2_Expt1andExpt2.py*      result_calc-HOR-approx-MCP_param-set_lambda-10.csv*
param-set_lambda-10.csv*

tokuy@DESKTOP-CI6FF07 ~/20210826_TimeBasedHOskip_TwoTier_Cluster/06_Utility_Metric_VTC2022
$ python main2_Expt1andExpt2.py mcp param-set_lambda-10

tokuy@DESKTOP-CI6FF07 ~/20210826_TimeBasedHOskip_TwoTier_Cluster/06_Utility_Metric_VTC2022
$ ls
main1_calc-DR_approx.py*     param-set_lambda-5.csv*
main1_calc-HOR_approx.py*    result_Expt1andExpt2_MCP_param-set_lambda-10.csv
main2_Expt1andExpt2.py*      result_calc-DR-approx-MCP_param-set_lambda-10.csv*
param-set_lambda-10.csv*     result_calc-HOR-approx-MCP_param-set_lambda-10.csv*
```

Result CSV file

result_Expt1andExpt2_*.csv

s2	handover rate	data rate
1	0.058106498	1.280780938
2	0.070699069	1.254752066
3	0.078246246	1.202266964
4	0.079814925	1.143002976
5	0.078068131	1.084979121
6	0.074851614	1.03191598
7	0.070887886	0.984879495
8	0.066849655	0.943940538
9	0.062999042	0.908808224
10	0.059383629	0.878856193
11	0.056162653	0.853335632
12	0.053307755	0.83153029
13	0.050789791	0.812792573
14	0.048579115	0.796575123
15	0.046633564	0.782430843
16	0.044910453	0.770000614
17	0.043380372	0.758997764
18	0.04201469	0.749193236
19	0.040789354	0.740403089
20	0.039685105	0.732478601

data rate result (Expt2)

handover rate result (Expt1)