

# Assignment1

1. Evaluate value if each state(V(s)) given below.

Gamma = 1 로 설정

State	V(s)
Facebook	-22.54
Class1	-12.54
Class2	1.46
Class3	4.32
Pub	0.8
Pass	10.0
Sleep	0.0

# Assignment1

2. Obtain action values,  $q(s,a)$  for each arrow in the given example.

Gamma = 1 로 설정

	Facebook	Class1	Class2	Class3	Pub	Pass	Sleep
Facebook	-21.286	-2.254	0	0	0	0	0
Class1	-13.27	0	-1.27	0	0	0	0
Class2	0	0	0	1.456	0	0	-2
Class3	0	0	0	0	-1.68	4	0
Pub	0	-1.508	1.584	2.728	0	0	0
Pass	0	0	0	0	0	0	10
Sleep	0	0	0	0	0	0	0

# Assignment2

Value iteration in the Small Gridworld

-0.1	-0.1	0.9	1
-0.1	-0.1	-0.1	-1
-0.1	-0.1	-0.1	-0.1
-0.1	-0.1	-0.1	-0.1

K=1

0.7	0.8	0.9	1
0.6	0.7	0.8	-1
0.5	0.6	0.7	0.6
-0.5	0.5	0.6	0.5

K=5

0.7	0.8	0.9	1
0.6	0.7	0.8	-1
0.5	0.6	0.7	0.6
0.4	0.5	0.6	0.5

K=10

0.7	0.8	0.9	1
0.6	0.7	0.8	-1
0.5	0.6	0.7	0.6
0.4	0.5	0.6	0.5

K=inf