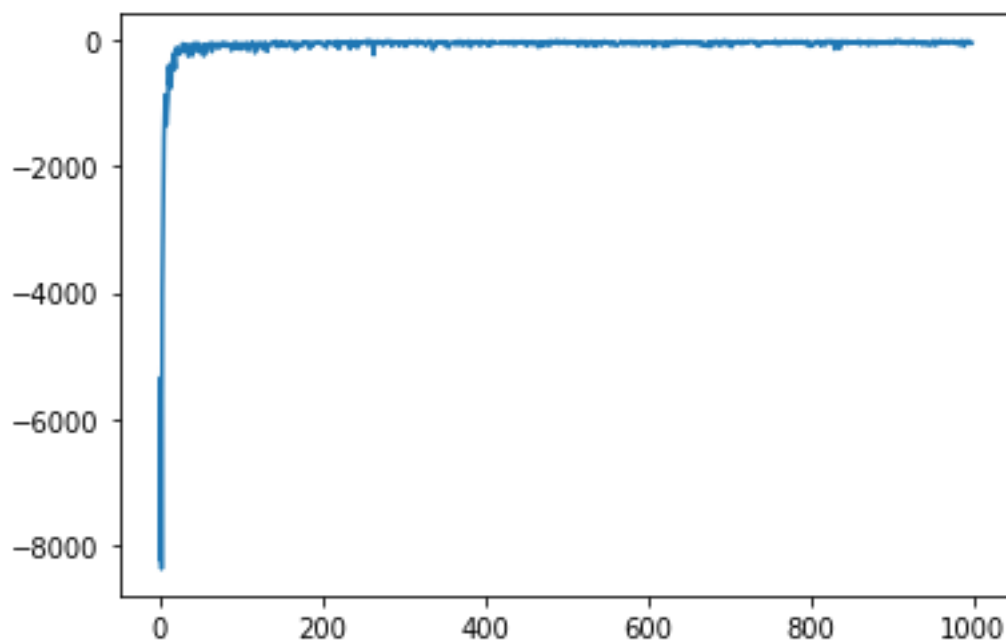
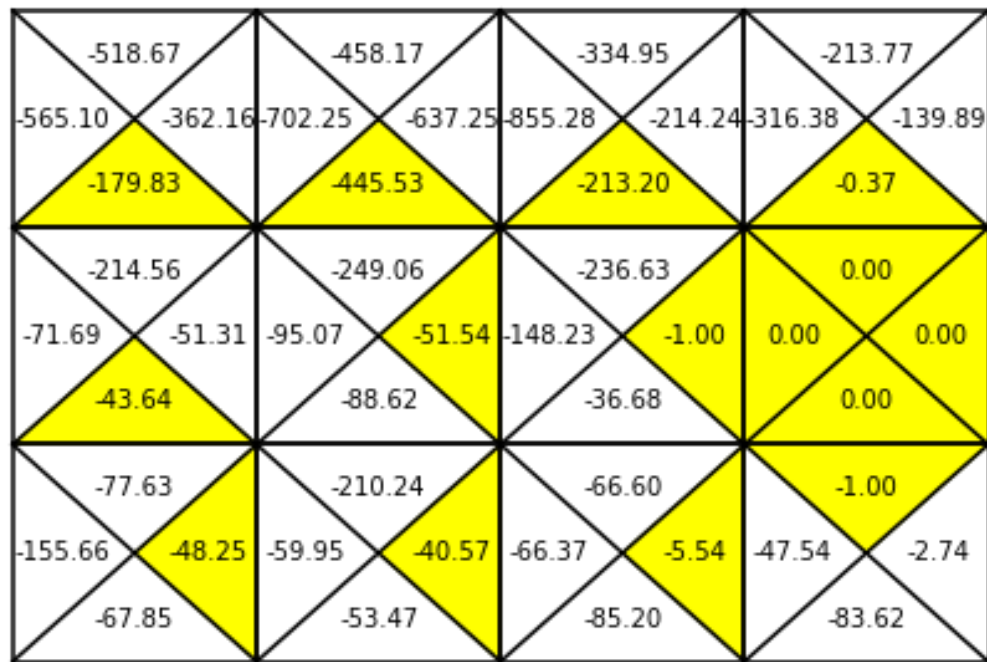


## Experiments and Analysis(40%)

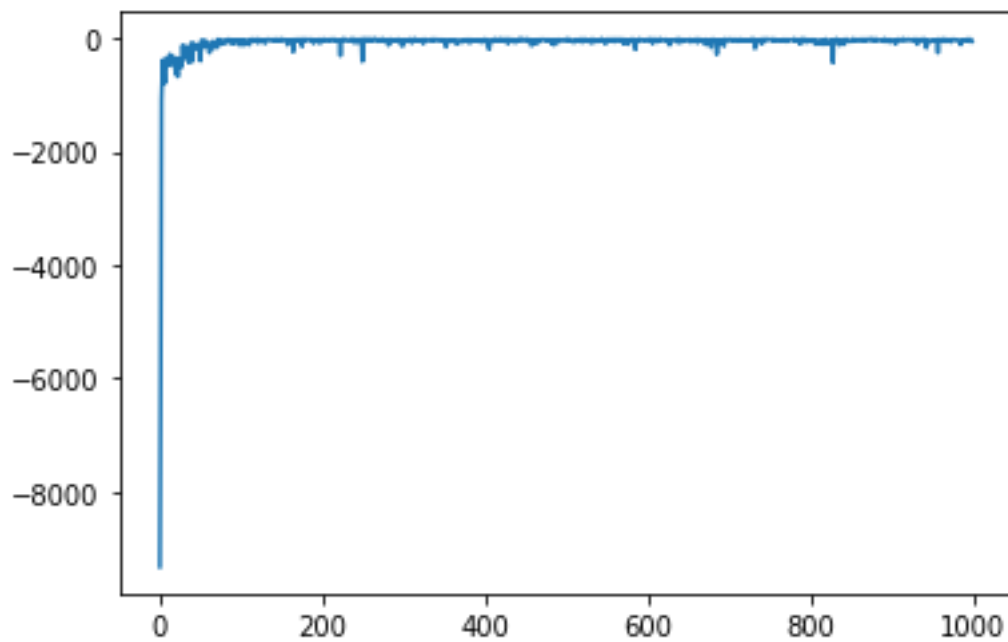
### 1. Plot the $q$ \_values in your result.(20%)

State-action values :

- First-visit MC control



- Every-visit MC control



2. Whether  $q\_values$  are reasonable? Explain your result.(10%)

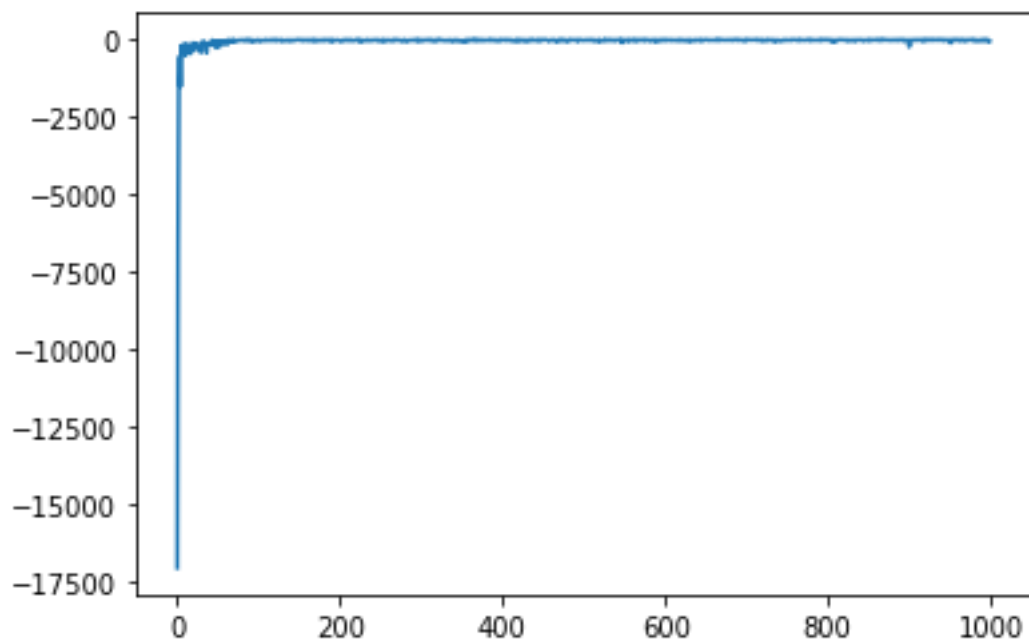
Reasonable。因為是使用 on-policy 的蒙地卡羅，所以會選擇最遠的避開 Swamp 的路徑移動，且在 Swamp 中，會直接向下離開 Swamp。

### 3. Transfer state-action values to state values and plot it.(10%)

State values :

- First-visit MC predict

	1	2	3	4
1	-81.87	-114.83	-121.76	-329.43
2	-36.49	-29.45	-19.64	0.0
3	-20.02	-14.1	-10.19	-1.52



- Every-visit MC predict

	1	2	3	4
1	-139.97	-202.58	-105.85	-196.03
2	-42.08	-44.15	-15.31	0.0
3	-61.51	-52.86	-7.44	-3.25

