

② episode 9-10-6-2-3

-3	1	-1	2	-1	3	finis	8	4
-1	5	-1	6	-1	7	-1	8	
start	9	-1	10	-1	11	-1	12	
-1	13	-1	14	-3	15	-3	16	

$$Q(s,a) \leftarrow Q(s,a) + \alpha [r + \gamma \max Q(s',a') - Q(s,a)]$$

step 1:  $Q(s_9, \text{kanan}) \leftarrow -1 + 1 * [-1 + 1 * \max \{0, 0, 0\}]$   
 $\leftarrow -1$

$$Q(s_9, \text{kanan}) \leftarrow 0$$

step 2:  $Q(s_{10}, \text{atas}) \leftarrow 0 + 1 * [-1 + 1 * \max \{0, 0, 0\}]$   
 $\leftarrow 0$

$$Q(s_{10}, \text{atas}) \leftarrow 0$$

step 3:  $Q(s_6, \text{atas}) \leftarrow 0 + 1 * [-1 + 1 * \max \{0, 0, 0\}]$   
 $\leftarrow 0$

$$Q(s_6, \text{atas}) \leftarrow 0$$

step 4:  $Q(s_2, \text{kanan}) \leftarrow 0 + 1 * [-1 + 1 * \max \{0, 0, -1\}]$   
 $\leftarrow -1$

$$Q(s_2, \text{kanan}) \leftarrow 0$$

~~step 5~~

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
atas	0	0	0	0	-3	0	0	0	0	0	0	0	0	0	0	0
kanan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
kanan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
kanan	-1	0	0	0	0	0	0	0	0	-1	-1	0	0	0	0	0