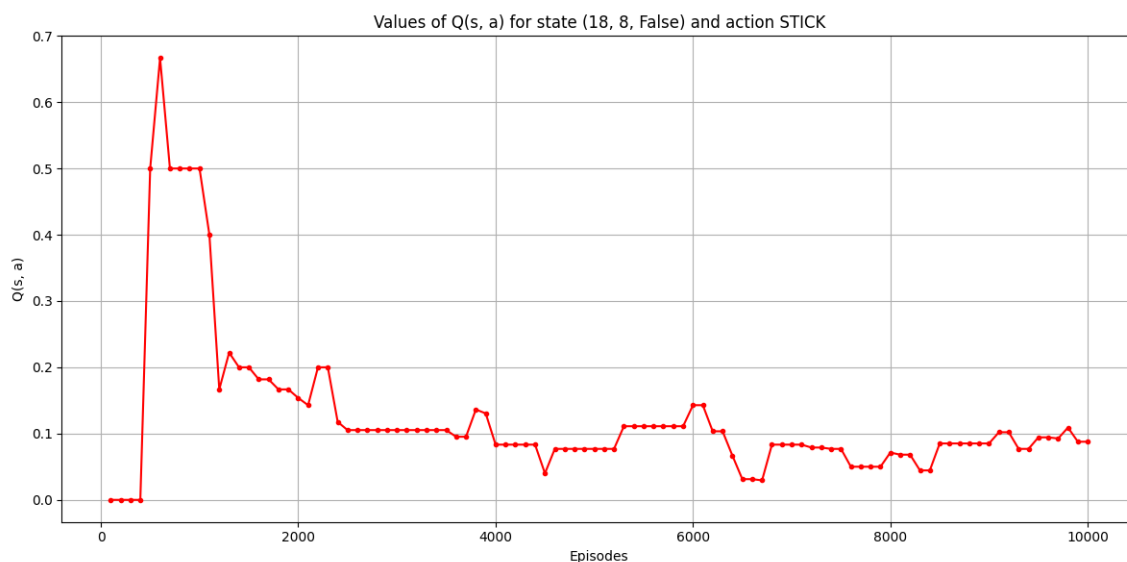


Assignment 2

Question 1

Below is the plotting of $Q(s, \text{stick})$

where $s := (\text{player total} = 18, \text{dealer showing} = 8, \text{no usable ace})$ in the first MCES version of the Blackjack game over 10,000 episodes (where every 100th episode was recorded).



Question 2

Below is the plotting of $Q(s, \text{stick})$

where $s := (\text{player total} = 18, \text{dealer showing} = 8, \text{no usable ace})$ in the second MCES version of the Blackjack game over 10,000 episodes (where every 100th episode was recorded).

