Exercise 8

Task 1 - REINFORCE on the Cart-Pole

a)

$$\pi(a|s,\theta) =$$

b)

$$\nabla_{\theta} \log \pi(A_t | S_t, \theta) = \dots$$
$$= x(s, a) - \sum_{b} (q_{\pi}(s, a) - b(s)) \nabla(a | s, \theta)$$

c)

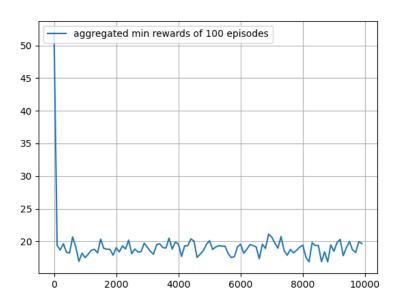


Figure 1: average episode lengths