NAME: Andrew Caide CSCI S-89c Deep Reinforcement Learning Part I of Assignment 1

(0,1). Assuming $q_*(a_1) \neq q_*(a_2)$ for all $a_1 \neq a_2$, where $a_1, a_2 \in \{1, 2, ..., k\}$, please Suppose we run an ε -greedy algorithm for the k-armed Bandit problem, where $\varepsilon \in$ express

 $\lim_{t\to\infty} \mathbb{E}\left[R_t\right]$

in terms of ε and $q_*(a)$, $a \in \{1, 2, ..., k\}$.

SOLUTION: