Question 8 Enercise 6.12

If action stelection was greedy, they will act similar.

The action selection at every episade step would be the

The SARRA update aquation enertially becomes

Choose A' such that Os we get man (al (1, A'))

Q(s,A) < Q(s,A) + x[R+ YQ(s',A') - Q(s,A)]

= Cl(s,A) \(\infty\) \(\omega(s,A) + \(\pi\) \

which is the same as the a learning update.

Updates and action selection would be the same for both algorithms provided a greedy selection replaces all E-greedy policies involved.