XCS221 Assignment 4

JUAN RICARDO PEDRAZA ESCOBAR

Artificial Intelligence: Principles and Techniques

Stanford Center for Professional Development

January ,2022

1.a

The recurrence for is given as:

Note that,

* There are a total of n+1 agents labelled as for i=0 to n.
* For n ghosts, recursing through all n of them is considered a depth of 1. So we need to adjust our on the last part of the piecewise function.

3.a

The recurrence is given as:

Note that,

* In this case the ghosts’ agents actions are random.
* we take the average motion of the ghosts, uniformly sampling the ghost’s agents motion.