11611109 靖红艳

Map:newSpecial	Minimax Ghost	Random Ghost
Expectimax Pacman	Won:1/5 Average:-319.6	Won:3/5 Average:95.2
Minimax Pacman	Won:2/5 Average:-112.2	Won:4/5 Average:296

3.Describe the performance (in terms of the distribution) of Pacman in each case.
In which cases is the Pacman agent implementing the correct assumption of the ghosts behaviour?

The performance of pacman is better when playing with RandomGhost. In the cases playing with RandomGhost, the distribution of ghost is uniform and the Pacman agent implementing the correct assumption of the ghosts behaviour more times. Because when playing MinimaxGhost, the MinimaxGhost have its own strategy according to the action Pacman will take. The performance of Pacman is not very good when playing with MinimaxGhost.

4. Describe why the ghosts seem as if they are cooperating when using minimax even though they are not sharing information with each other.

Because they all aim to make the score which Pacman get lower. The purposes of them are the same. This may lead to the fact that the ghosts seem as if they are cooperating when using minimax.