Artificial Intelligence CSE537

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Question 1 – Reflex Agent

The basic idea is that if there is no ghost nearby we would aggressively search for the nearest food. Also, if there is no ghost around, we evaluate a low score to the current state so that the PacMan doesn’t stop. Also, if there a food in the next step and no ghost nearby we give this state a higher preference. We are using the nearest ghost distance, nearest food distance and foodCount along with the above methodology to calculate our heuristic.

Question 2

Write Here

Question 3

Write Here