

This file must be submitted online *before* the beginning of class in order to receive credit.

1. The questions from the prelab are directly from Chapter 7 of the text. Given the function:

$$f(x) = x^2 + 3$$

for what value of  $x$  is the globally optimal energy level of the function? Recall that the energy landscape assumes that lower energies are better.

2. Given the string “LRRRLRRRLRRRLRR”, the AI wants to predict the player’s next move. If the player has just performed the moves “RR”, what is the next predicted move?

3. Submit your answers in a plain text file called `lastname.txt` and submit the file on Moodle.