﻿Questin 2: Let MinGuess be a minimum guesses that player 2 takes to win the game for any value of the secret number. Describe the best guessing strategy to win the game? What is the value of MinGuess? Explain how you calculate MinGuess value?

Best guessing strategy to win the game:

using game theory called guess 2/3 of the average: If a group of people guesses what 2/3 of the average of their guesses will be, and the values are limited to actual numbers between 0 and 100, inclusive The one who comes closest to the 2/3 average wins.

How to calulate minGuess value:

Using binary search. If the target value matches the element, its position in the array is returned. If the target value is less than the element, the search continues in the lower half of the array. If the target value is greater than the element, the search continues in the upper half of the array. As a result, the algorithm eliminates the half of each iteration in which the target value cannot lie.