2. Calculate and display the distribution of all possible combinations that can be obtained when rolling both Die A and Die B together. Show the math along with the code! Hint: A 6 x 6 Matrix.

Explanation:

This code generates a 2D matrix representing the distribution of sums when rolling two six-sided dice (Die A and Die B). Each row in the matrix corresponds to a face of Die A, and each element in a row represents the sum of the face of Die A and the face of Die B.

Outer Loop: Iterates over the faces of Die A (1 to 6). Inner Loop: Iterates over the faces of Die B (1 to 6). Inside the inner loop, it calculates the sum of the current faces of Die A and Die B and appends it to the list l. After the inner loop completes for each face of Die A, the list l is appended to the result list. Finally, the result (distribution matrix) is printed.

Code and output :

