Average Matrix

Your task is to write a short program that takes in input a matrix A and its dimensions {NxM} and returns 2 vectors:
Vector MR contains the average of each ROW.
Vector MC contains the average of each COLUMN.

Input
The first line contains two numbers N and M that is the dimension of the matrix A.
The other lines contains each ROW of the matrix A.

Output
The first line contains a vector of the row average.
The second line contains a vector of the column average.

Sample input   **Sample output**

Sample input	Sample output
3 3 2 34 5 3 45 55 5 876 23	13.6667 34.3333 301.333 3.33333 318.333 27.6667
2 3 0 1 0 2 0 4	0.333333 2 1 0.5 2
4 2 23 2 34 4 5 4 45 45	12.5 19 4.5 45 26.75 13.75