Wave Print

Given a two dimensional n*m array, print the array in a sine wave order. i.e. print the first column top to bottom, next column bottom to top and so on.

Note: Print the elements separated by space.

Input Format:

n, m, array elements (separated by space)

Sample Input 3 4 1 2 3 4 5 6 7 8 9 10 11 12

Sample Output 1 5 9 10 6 2 3 7 11 12 8 4