

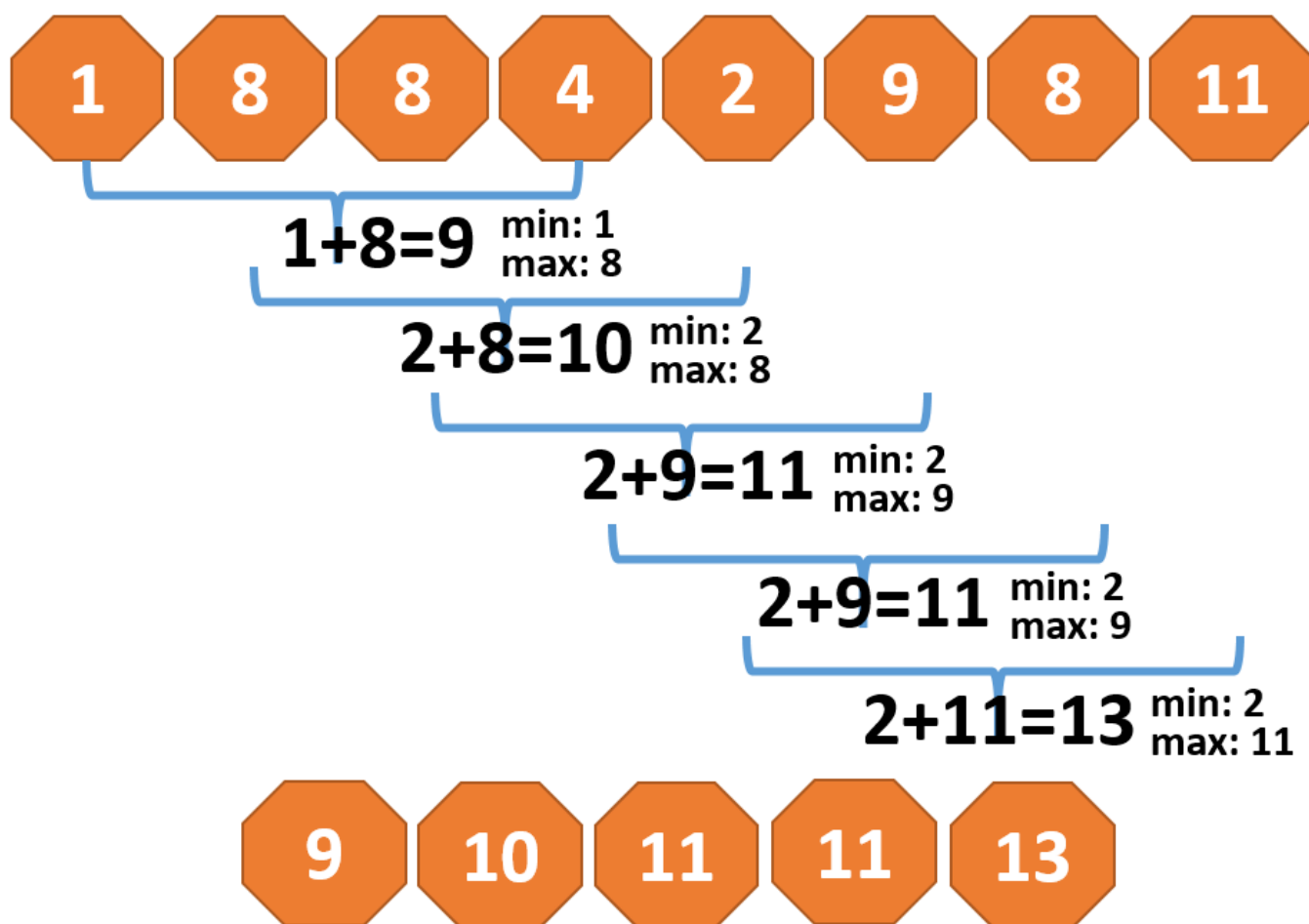
**Problem 1 – MinMax**

You are given a list of **N** numbers. You are also given a number **K**.

For each **K consecutive numbers** (from left to right) in the given list find **the sum of the minimum and the maximum value** in the subsequence of these **K** numbers.

Output all the sums obtained **separated by a comma (',')** in order of appearance.

Below is an example where  $N=8$ ,  $K=4$  and the numbers are 1, 8, 8, 4, 2, 9, 8 and 11. The answer is 9, 10, 11, 10, 13.

**Input**

On the first line (params[0]) there will be the number **N**.

On the second line (params[1]) there will be the number **K**.

On the third line (params[2]) there will be a string with **N** integer numbers separated by a single space (' ').

The input data will always be valid and in the format described. There is no need to check it explicitly.

**Output**

Return (or console.log) a single line with a string containing the elements of the obtained list separated by a comma (',').

### Sample solution code (in JavaScript)

```
function solve(params) {
    var N = parseInt(params[0]),
        K = parseInt(params[1]),
        numbersAsString = params[2];

    // Your solution here

    console.log('Your answer should be printed on the console');
}
```

### Constraints

- **N** will be integer number between **1** and **100**, inclusive.
- Each number in the given list will be between -1000000000 and 1000000000.
- **K** will be integer number between **1** and **N**, inclusive.
- Allowed working time for your program: **0.25 seconds**.
- Allowed memory: **32 MB**.

### Examples

Input	Output
4 2 1 3 1 8	4,4,9

Input	Output
5 3 7 7 8 9 10	15,16,18

Input	Output
8 4 1 8 8 4 2 9 8 11	9,10,11,11,13