

## Sum Triangle for given array

Given a array, write a program to construct a triangle where last row contains elements of given array, every element of second last row contains sum of below two elements and so on.

### Example:

**Input:** arr[] = {4, 7, 3, 6, 7};

**Output:**

```
81
40 41
21 19 22
11 10 9 13
4 7 3 6 7
```

### Input:

The first line of input contains an integer T denoting the number of test cases. Then T test cases follow. Each test case contains an integer n denoting the size of the array. Then next line contains n space separated integers forming the array.

### Output:

Output the sum triangle for the input array with space separated integers.

### Constraints:

$1 \leq T \leq 1000$

$1 \leq N \leq 1000$

$1 \leq A_i \leq 1000$

### Example:

**Input:**

```
2
5
4 7 3 6 7
7
5 8 1 2 4 3 14
```

**Output:**

81 40 41 21 19 22 11 10 9 13 4 7 3 6 7

200 98 102 55 43 59 34 21 22 37 22 12 9 13 24 13 9 3 6 7 17 5 8 1 2 4 3 14