

## 10164 Number Game

Let's play a number game. I will give you  $2N - 1$  ( $N = 2^k$ ,  $k = 1, 2, 3, 4, 5, 6, 7, 8, 9, 10$ ) numbers, each number is a positive integer not bigger than 1000. Can you choose  $N$  of them, and add them all to a integer  $S$ , to make that  $S/N$  is a integer? If there are many solutions, you can only find one of them.

### Input

The input file contains several scenarios. Each of them consists of 2 lines.

For each scenario, the first line is a number  $N$ , the second line consist of  $2N - 1$  numbers. There is a space between two numbers.

### Output

For each scenario, print a single line 'No' if you can't find an answer. Otherwise print a line 'Yes', and then the other line containing  $N$  numbers (in any order), there should be a space between two numbers.

### Sample Input

```
2
1 2 3
4
1 2 3 4 5 6 7
0
```

### Sample Output

```
Yes
1 3
Yes
1 3 5 7
```