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## Equal sums (2)

P82660\_en

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Write a program that, given an integer number  $s$  and  $n$  integer numbers  $x_1, \dots, x_n$ , prints the subset (maybe with repeated numbers, but using every  $x_i$  at most once) lexicographically largest among those whose sum is  $s$ .

### Input

Input consists of an integer number  $s$ , followed by a number  $n > 0$ , followed by  $x_1, \dots, x_n$ .

### Output

Print, with the elements sorted non-increasingly, the subset that is greatest in lexicographical order among those that can be made up with  $x_1, \dots, x_n$  and whose sum is  $s$ . If there is none, print "no solution".

### Hint

Sort the given numbers.

#### Sample input 1

```
6
7
1 6 0 1 3 2 0
```

#### Sample output 1

```
{6,0,0}
```

#### Sample input 2

```
-5
3
6 -10 4
```

#### Sample output 2

```
no solution
```

#### Sample input 3

```
-5
9
3 1 -1 -1 0 -3 0 -2 2
```

#### Sample output 3

```
{2,0,0,-1,-1,-2,-3}
```

#### Sample input 4

```
-9
3
-5 6 -4
```

#### Sample output 4

```
{-4,-5}
```

### Problem information

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