# Sum of one-sequence

We say that a sequence of integers is a one-sequence if the difference between any two consecutive numbers in this sequence is 1 or -1 and its first element is 0. More precisely:  $[a_1, a_2, ..., a_n]$  is a one-sequence if

- for any *k*, such that  $1 \le k \le n : |a_k a_{k+1}| = 1$  and
- $a_1 = 0$

### Task

Write a program that for each test case:

- reads two integers describing the length of the sequence and the sum of its elements;
- finds a one-sequence of the given length whose elements sum up to the given value or states that such a sequence does not exist;
- writes the result to the standard output.

#### Input

The number of test cases *t* is in the first line of input, then *t* test cases follow separated by an empty line.

In the first line of a test case there is a number *n*, such that  $1 \le n \le 10\,000$ , which is the number of elements in the sequence. In the second line there is a number *S*, which is the sum of the elements of the sequence, such that  $|S| \le 50\,000\,000$ .

### Output

For each test case there should be written n integers (each integer in a separate line) that are the elements of the sequence (k-th element in the k-th line) whose sum is S or the word "No" if such a sequence does not exist. If there is more than one solution your program should output any one.

Consequent test cases should by separated by an empty line.

## Example

#### Sample input:

1

```
8
```

4

#### Sample output:

- 0
- 1
- 2
- 2
- 1
- 0
- -1