## 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: $\left[a_{1}, a_{2}\right.$, $\left.\ldots, a_{n}\right]$ is a one-sequence if

- for any $k$, such that $1<=k<n:\left|a_{k}-a_{k+1}\right|=1$ 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 $1<=n<=10000$, 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 $|S|<=50000000$.

## 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

