

### C. Build the array

time limit per test: 1 second  
memory limit per test: 256 megabytes  
input: standard input  
output: standard output

Coach Hussien likes special arrays. Today he wants an array with  $n$  elements and the summation of all elements in it is exactly  $s$ . Also, the numbers in the array must be non-negative and not more than  $10^9$ . Can you build an array that satisfies these conditions or state that it's impossible?

#### Input

The only line of the input will contain two space-separated integers  $n$  and  $s$  ,  $(1 \leq N \leq 1000)$   
 $(0 \leq s \leq 10^{18})$ .

#### Output

If there is no solution print a single line containing "NO" (without quotes) otherwise print "YES" (without quotes)  
then a line containing any array satisfying the conditions.

#### Examples

input	Copy
5 100	
output	Copy
YES 10 0 0 50 40	

input	Copy
2 1000000000000000	
output	Copy
NO	

input	Copy
3 0	
output	Copy
YES 0 0 0	

input	Copy
4 3	
output	Copy
YES 0 1 1 1	

ICPC Assiut Advanced Newcomers 2023

Private

Participant



→ Group Contests

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ICPC Assiut Advanced Newcomers 2023 Contest 4

ICPC Assiut Advanced Newcomers 2023 Contest 3

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ICPC Assiut Advanced Newcomers 2023 Contest 1

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Finished

Practice



→ Virtual participation

Virtual contest is a way to take part in past contest, as close as possible to participation on time. It is supported only ICPC mode for virtual contests. If you've seen these problems, a virtual contest is not for you - solve these problems in the archive. If you just want to solve some problem from a contest, a virtual contest is not for you - solve this problem in the archive. Never use someone else's code, read the tutorials or communicate with other person during a virtual contest.

Start virtual contest

→ Submit?

Language: GNU G++20 11.2.0 (64 bit, w

Choose file: Choose File No file chosen

Submit

→ Last submissions

Submission	Time	Verdict
<a href="#">227649336</a>	Oct/11/2023 12:21	Accepted
<a href="#">227648570</a>	Oct/11/2023 12:15	Wrong answer on test 105
<a href="#">227648256</a>	Oct/11/2023 12:12	Wrong answer on test 105