

HOME TOP CATALOG CONTESTS GYM PROBLEMSET GROUPS RATING EDU API CALENDAR HELP ICPC CHALLENGE 🟋

PROBLEMS SUBMIT CODE MY SUBMISSIONS STATUS STANDINGS CUSTOM INVOCATION

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 , $(1 \le N \le 1000)$ $(0 \le s \le 10^{18})$.

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	Сору
5 100	
output	Сору
YES 10 0 0 50 40	

input	Сору
2 100000000000000	
output	Сору
NO	

input	Сору
3 0	
output	Сору
YES 0 0 0	

input	Сору
4 3	
output	Сору
YES 0 1 1 1	

ICPC Assiut Advanced Newcomers 2023 Private

Participant



→ Group Contests



- ICPC Assiut Advanced Newcomers 2023 Contest 4
- ICPC Assiut Advanced Newcomers 2023 Contest 3
- ICPC Assiut Advanced Newcomers Practice #1
- ICPC Assiut Advanced Newcomers

2023 Contest 2

- ICPC Assiut Advanced Newcomers 2023 Onsite Contest 2
- ICPC Assiut Advanced Newcomers 2023 Contest 1
- ICPC Assiut Advanced Newcomers 2023 Onsite Contest 1

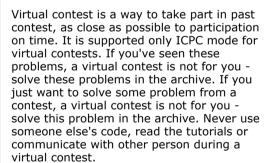
ICPC Assiut Advanced Newcomers 2023 Contest 5

Finished

Practice



→ Virtual participation



Start virtual contest

→ Submit? Language: GNU G++20 11.2.0 (64 bit, w ✔ Choose file: Choose File No file chosen Submit

\rightarrow Last submissions		
Submission	Time	Verdict
227649336	Oct/11/2023 12:21	Accepted
227648570	Oct/11/2023 12:15	Wrong answer on test 105
<u>227648256</u>	Oct/11/2023 12:12	Wrong answer on test 105