Arithmetic progression?

Cost: 3 | Solved: 139

Memory limit: 256 MB

Time limit: 1 s

Input: input.txt

Output: output.txt

Task:

Determine whether a sequence of number is arithmetic progression or not

Input:

Contains integer number n $(2 \leq n \leq 10^9)$ - number of elements in sequence. There are n elements after it.

Output:

If sequence is arithmetic progression then write "1" and "0" in other cases.

Input	Output
5 1 2 3 4 5	1
3 1 2 5	0