

HOME CONTESTS GYM PROBLEMSET GROUPS RATING API VK CUP 🛣 CROC 🛣

PROBLEMS SUBMIT CODE MY SUBMISSIONS STATUS HACKS ROOM STANDINGS CUSTOM INVOCATION

B. Game of Robots

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

In late autumn evening n robots gathered in the cheerful company of friends. Each robot has a unique identifier — an integer from 1 to 10^9 .

At some moment, robots decided to play the game "Snowball". Below there are the rules of this game. First, all robots stand in a row. Then the first robot says his identifier. After that the second robot says the identifier of the first robot and then says his own identifier. Then the third robot says the identifier of the first robot, then says the identifier of the second robot and after that says his own. This process continues from left to right until the n-th robot says his identifier.

Your task is to determine the k-th identifier to be pronounced.

Input

The first line contains two positive integers n and k ($1 \le n \le 100\ 000$, $1 \le k \le min(2 \cdot 10^9, n \cdot (n+1)/2)$.

The second line contains the sequence $id_1, id_2, ..., id_n$ $(1 \le id_i \le 10^9)$ — identifiers of roborts. It is guaranteed that all identifiers are different.

Output

Print the k-th pronounced identifier (assume that the numeration starts from 1).

Examples

input			
2 2			
1 2			
output			
1			

1			
input			
4 5 10 4 18 3			
output			
4			

Note

In the first sample identifiers of robots will be pronounced in the following order: 1, 1, 2. As k = 2, the answer equals to 1.

In the second test case identifiers of robots will be pronounced in the following order: 10, 10, 4, 10, 4, 18, 10, 4, 18, 3. As k = 5, the answer equals to 4.

Codeforces Round #350 (Div. 2)

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 ACM-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 this other person during a virtual contest.

Start virtual contest

→ Practice

You are registered for practice. You can solve problems unofficially. Results can be found in the contest status and in the bottom of standings.

→ Submit?

Language: GNU GCC C11 5.1.0

Choose file: Choose File No file chosen

Be careful: there is 50 points penalty for submission which fails the pretests or resubmission (except failure on the first test, denial of judgement or similar verdicts). "Passed pretests" submission verdict doesn't guarantee that the solution is absolutely correct and it will pass system tests.

Submit

\rightarrow Last submissions

Submission	Time	Verdict			
<u>17760361</u>	May/06/2016 14:51	Accepted			
<u>17760094</u>	May/06/2016 14:39	Time limit exceeded on test 3			
17757364	May/06/2016 11:34	Wrong answer on test 1			
<u>17741665</u>	May/05/2016 20:42	Time limit exceeded on pretest 13			
<u>17735811</u>	May/05/2016 20:05	Wrong answer on pretest 3			

•

→ Problem tags						
implementation						
	No tag edit access					
→ Contest materials						
Announcement						
 Tutorial 	×					

Codeforces (c) Copyright 2010-2016 Mike Mirzayanov
The only programming contests Web 2.0 platform
Server time: May/06/2016 20:37:42^{UTC+6} (c4).
Desktop version, switch to mobile version.