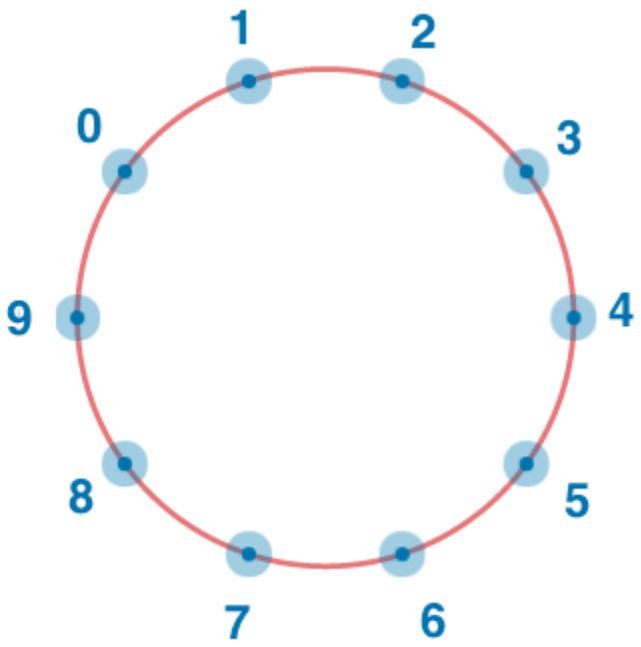
Circle of Numbers

Input file:	standard input
Output file:	standard output
Time limit:	1 second
Balloon color:	Orangered

Consider integer numbers from 0 to n - 1 written down along the circle in such a way that the distance between any two neighboring numbers is equal (note that 0 and n - 1 are neighboring, too).

Given n and firstNumber, find the number which is written in the radially opposite position to firstNumber.

Example: if n = 10:



Input

The input consists of a single test case with 2 integers on a single line separated by a single space. The 2 integers are given as listed below in the same order.

- **n:** $4 \leq n \leq 20$, it is always even
- **firstNumber:** $0 \leq$ firstNumber $\leq n-1$.

Output

Output the number which is written in the radially opposite position to firstNumber.

Example

Sample Input 1	Sample Output 1
10 2	7