BACK

Circle of Numbers

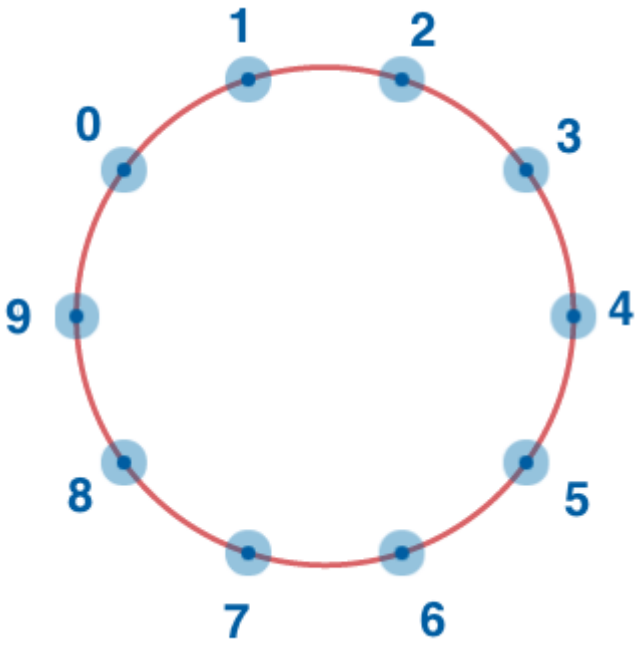
DESCRIPTION SOLUTIONS 9693 COMMENTS 19 CODEWRITING SCORE: 300/300

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

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

Example

For `n = 10` and `firstNumber = 2`, the output should be `circleOfNumbers(n, firstNumber) = 7`.



Input/Output

- **[execution time limit] 4 seconds (js)**
- **[input] integer n**

  A positive **even** integer.

  Guaranteed constraints:
  `4 ≤ n ≤ 20`.

- **[input] integer firstNumber**