
51445. Value of bit

Input file: standard input
Output file: standard output
Time limit: 2 seconds
Memory limit: 64 megabytes

Input

Given integer number n and i .

Output

Output value of $i - th$ bit of the number n , that is 0 or 1.

Examples

| standard input | standard output |
|----------------|-----------------|
| 179 0 | 1 |
| 4242 13 | 0 |
| 3086 28 | 0 |
| 9226 19 | 0 |
| 8071 2 | 1 |
| 2910 11 | 1 |