4th Bit

View Try Insights

Points: 50 7 test cases (0 samples)

Coding EASY Bit Manipulation Algorithms Problem Solving Core Skills

Digits within an integer go from least significant to most significant from right to left. For instance, in a decimal number, the ones digit is less significant than the tens digit. Given a decimal number, convert it to binary and then determine the value, *1* or *0*, at the 4^{th} least significant digit.

For example, $23_{10} = (10111)_2$. The value of the 4^{th} index from the right in the binary representation is *0*.

Function Description

Complete the function *fourthBit* in the editor below. The function must return a *0* or *1* matching the 4^{th} least significant digit in the binary representation of *number*.

fourthBit has the following parameter(s):

number: a decimal integer

Constraints

- $0 \leq number < 2^{31}$

▶ **Input Format for Custom Testing**

▼ **Sample Case 0**

Sample Input 0

```
32
```

Sample Output 0

```
0
```