CHALLENGES

challenge **bitRotate**
FINISHED 43 MINUTES AGO

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In this challenge, you will work with **31 bit integer** only. Provided a non-negative integer `n` and rotate number `r`. Your mission is to do the `left` or `right` rotate base on its sign. If $r \geq 0$, rotate `n` to left `s` steps or else rotate `n` to right.

Example

- For `n = 5` and `r = 1`, the output should be
  `bitRotate(n, r) = 10`.
  We all know that $5_{(10)}$ is $0000000000000000000000000000101_{(2)}$.
  By rotate `n` to left 1 step, we get $0000000000000000000000000001010_{(2)}$, which is $10_{(10)}$.

- For `n = 1073741825` and `r = -2`, the output should be
  `bitRotate(n, r) = 805306368`.
  $1073741825_{(10)}$ is $1000000000000000000000000000001_{(2)}$,
  rotate `n` to right 2 steps, we get $0110000000000000000000000000000_{(2)}$, which is
  $1805306368_{(10)}$.

Input/Output

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

- **[input] integer n**

  Guaranteed constraints:
  $0 \leq n < 2^{31}$.

- **[input] integer r**

  Guaranteed constraints:
  $-2^{31} < n < 2^{31}$.

- **[output] integer**

[JavaScript (ES6)] Syntax Tips

```
// Prints help message to the console
// Returns a string
function helloWorld(name) {
    console.log("This prints to the console when you Run Tests");
    return "Hello, " + name;
}
```