

BACK

Is Power?



DESCRIPTION

SOLUTIONS 5236

COMMENTS 19



CODEWRITING

SCORE: 300/300

Determine if the given number is a power of some non-negative integer.

### Example

- For  $n = 125$ , the output should be  
`isPower(n) = true`;
- For  $n = 72$ , the output should be  
`isPower(n) = false`.

### Input/Output

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

A positive integer.

*Guaranteed constraints:*

$1 \leq n \leq 400$ .

- **[output] boolean**

`true` if  $n$  can be represented in the form  $a^b$  ( $a$  to the power of  $b$ ) where  $a$  and  $b$  are some non-negative integers and  $b \geq 2$ , `false` otherwise.

### [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;
}
```

