

BACK

Rounders



DESCRIPTION

SOLUTIONS 6965

COMMENTS 21



CODEWRITING

SCORE: 300/300

We want to turn the given integer into a number that has only one non-zero digit using a tail rounding approach. This means that at each step we take the last non 0 digit of the number and round it to 0 or to 10. If it's less than 5 we round it to 0 if it's larger than or equal to 5 we round it to 10 (rounding to 10 means increasing the next significant digit by 1). The process stops immediately once there is only one non-zero digit left.

Example

- For `value = 15`, the output should be
`rounders(value) = 20` ;
- For `value = 1234`, the output should be
`rounders(value) = 1000` .

`1234 -> 1230 -> 1200 -> 1000` .
- For `value = 1445`, the output should be
`rounders(value) = 2000` .

`1445 -> 1450 -> 1500 -> 2000` .

Input/Output

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

A positive integer.

Guaranteed constraints:

$1 \leq \text{value} \leq 10^8$.

- [output] integer**

The rounded number.

[JavaScript (ES6)] Syntax Tips

```
// Prints help message to the console
// Returns a string
function helloWorld(name) {
```

