DESCRIPTION   SOLUTIONS 190   COMMENTS 19   README   CODEWRITING   SCORE: 300/300

Let's call two integers `A` and `B` *friends* if each integer from the array `divisors` is either a divisor of both `A` and `B` or neither `A` nor `B`. If two integers are *friends*, they are said to be in the same *clan*. How many clans are the integers from `1` to `k`, inclusive, broken into?

Example

For `divisors = [2, 3]` and `k = 6`, the output should be
`numberOfClans(divisors, k) = 4`.

The numbers `1` and `5` are friends and form a *clan*, `2` and `4` are friends and form a *clan*, and `3` and `6` do not have friends and each is a *clan* by itself. So the numbers `1` through `6` are broken into `4` clans.

Input/Output

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

- **[input] array.integer divisors**

  A non-empty array of positive integers.

  Guaranteed constraints:
  `2 ≤ divisors.length < 10`,
  `1 ≤ divisors[i] ≤ 10`.

- **[input] integer k**

  A positive integer.

  Guaranteed constraints:
  `5 ≤ k ≤ 10`.

- **[output] integer**

[JavaScript (ES6)] Syntax Tips

```javascript
// 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;
}
```