BACK   Minimal Number of Coins   201,904   ⌄

DESCRIPTION   SOLUTIONS 2175   COMMENTS 5   README   CODEWRITING   SCORE: 300/300

You find yourself in Bananaland trying to buy a banana. You are super rich so you have an unlimited supply of banana-coins, but you are trying to use as few coins as possible.

The coin values available in Bananaland are stored in a sorted array `coins`. `coins[0] = 1`, and for each `i (0 < i < coins.length)` `coins[i]` is divisible by `coins[i - 1]`. Find the minimal number of banana-coins you'll have to spend to buy a banana given the banana's `price`.

Example

For `coins = [1, 2, 10]` and `price = 28`, the output should be `minimalNumberOfCoins(coins, price) = 6`.

You have to use `10` twice, and `2` four times.

Input/Output

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

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

  The coin values available in Bananaland.

  Guaranteed constraints:
  `1 ≤ coins.length ≤ 5`,
  `1 ≤ coins[i] ≤ 120`.

- **[input] integer price**

  A positive integer representing the price of the banana.

  Guaranteed constraints:
  `8 ≤ price ≤ 250`.

- **[output] integer**

  The minimal number of coins you can use to buy the banana.

[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;
}
```