1015. Smallest Integer Divisible by K

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Given a positive integer `k`, you need to find the **length** of the **smallest** positive integer `n` such that `n` is divisible by `k`, and `n` only contains the digit `1`.

Return *the **length** of* `n`. If there is no such `n`, return -1.

Note: `n` may not fit in a 64-bit signed integer.

Example 1:

```
Input: k = 1
Output: 1
Explanation: The smallest answer is n = 1, which has length 1.
```

Example 2:

```
Input: k = 2
Output: -1
Explanation: There is no such positive integer n divisible by 2.
```

Example 3:

```
Input: k = 3
Output: 3
Explanation: The smallest answer is n = 111, which has length 3.
```

Constraints:

- $1 <= k <= 10^5$

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```java
class Solution {
    public int smallestRepunitDivByK(int k) {

    }
}
```