



## 5823. Sum of Digits of String After Convert

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You are given a string `s` consisting of lowercase English letters, and an integer `k`.

First, **convert** `s` into an integer by replacing each letter with its position in the alphabet (i.e., replace 'a' with 1, 'b' with 2, ..., 'z' with 26). Then, **transform** the integer by replacing it with the **sum of its digits**. Repeat the **transform** operation `k` **times** in total.

For example, if `s = "zbax"` and `k = 2`, then the resulting integer would be 8 by the following operations:

- **Convert:** "zbax" → "(26)(2)(1)(24)" → "262124" → 262124
- **Transform #1:** 262124 → 2 + 6 + 2 + 1 + 2 + 4 → 17
- **Transform #2:** 17 → 1 + 7 → 8

Return the resulting integer after performing the operations described above.

User Accepted:	0
User Tried:	0
Total Accepted:	0
Total Submissions:	0
Difficulty:	Easy

### Example 1:

**Input:** `s = "iiii", k = 1`  
**Output:** 36  
**Explanation:** The operations are as follows:  
 - Convert: "iiii" → "(9)(9)(9)(9)" → "9999" → 9999  
 - Transform #1: 9999 → 9 + 9 + 9 + 9 → 36  
 Thus the resulting integer is 36.

### Example 2:

**Input:** `s = "leetcode", k = 2`  
**Output:** 6  
**Explanation:** The operations are as follows:  
 - Convert: "leetcode" → "(12)(5)(5)(20)(3)(15)(4)(5)" → "12552031545" → 12552031545  
 - Transform #1: 12552031545 → 1 + 2 + 5 + 5 + 2 + 0 + 3 + 1 + 5 + 4 + 5 → 33  
 - Transform #2: 33 → 3 + 3 → 6  
 Thus the resulting integer is 6.

### Example 3:

**Input:** `s = "zbax", k = 2`  
**Output:** 8

### Constraints:

- $1 \leq s.length \leq 100$

- $1 \leq k \leq 10$
- $s$  consists of lowercase English letters.

JavaScript



```
1▼ const getLucky = (ss, k) => {  
2    let s = '';  
3    for (const c of ss) s += c.charCodeAt() - 96;  
4    // pr(s);  
5▼    while (k--) {  
6        s = go(s);  
7    }  
8    return s - '0';  
9  };  
10  
11▼ const go = (s) => {  
12    let sum = 0;  
13▼    for (const c of s) {  
14        sum += c - '0';  
15    }  
16    return sum + '';  
17  };
```

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