1415. The k-th Lexicographical String of All Happy Strings of Length n

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User Accepted:	2116
User Tried:	2320
Total Accepted:	2188
Total Submissions:	3249
Difficulty:	Medium

A **happy string** is a string that:

- consists only of letters of the set `['a', 'b', 'c']`.
- `s[i] != s[i + 1]` for all values of `i` from `1` to `s.length - 1` (string is 1-indexed).

For example, strings **"abc", "ac", "b"** and **"abcbabcbcb"** are all happy strings and strings **"aa", "baa"** and **"ababbc"** are not happy strings.

Given two integers `n` and `k`, consider a list of all happy strings of length `n` sorted in lexicographical order.

Return *the kth string* of this list or return an **empty string** if there are less than `k` happy strings of length `n`.

Example 1:

```
Input: n = 1, k = 3
Output: "c"
Explanation: The list ["a", "b", "c"] contains all happy strings of length 1. The third string is "c".
```

Example 2:

```
Input: n = 1, k = 4
Output: ""
Explanation: There are only 3 happy strings of length 1.
```

Example 3:

```
Input: n = 3, k = 9
Output: "cab"
Explanation: There are 12 different happy string of length 3 ["aba", "abc", "aca", "acb", "bab", "bac", "
```

Example 4:

```
Input: n = 2, k = 7
Output: ""
```

Example 5:

```
Input: n = 10, k = 100
Output: "abacbabacb"
```

Constraints:

- `1 <= n <= 10`
- `1 <= k <= 100`

Discuss (https://leetcode.com/problems/the-k-th-lexicographical-string-of-all-happy-strings-of-length-n/discuss)

JavaScript

```
/**
 * @param {number} n
 * @param {number} k
 * @return {string}
 */
var getHappyString = function(n, k) {

};
```

Custom Testcase Use Example Testcases

Run Submit