LeetCode Contest

#### [Count of Substrings Containing Every Vowel and K Consonants I](https://leetcode.com/contest/weekly-contest-417/problems/count-of-substrings-containing-every-vowel-and-k-consonants-i/)

class Solution {

public int countOfSubstrings(String word, int k) {

Set<Character> vowelsSet = Set.of('a','e','i','o','u');

int total = 0;

for(int start = 0;start <= word.length()-5;start++){

int count = 0;

Set<Character> vowelsSeen = new HashSet<>();

for(int end = start;end < word.length();end++){

char c = word.charAt(end);

if(vowelsSet.contains(c)){

vowelsSeen.add(c);

}else{

count++;

}

if(vowelsSeen.size() == 5 && count == k){

total++;

}

if(count > k){

break;

}

}

}

return total;

}

}

#### [Find the K-th Character in String Game I](https://leetcode.com/contest/weekly-contest-417/problems/find-the-k-th-character-in-string-game-i/)

class Solution {

public char kthCharacter(int k) {

StringBuilder word = new StringBuilder("a");

char nextChar = 'a';

while(word.length() < k){

nextChar = (char) ((nextChar - 'a' + 1) % 26 + 'a');

StringBuilder newChars = new StringBuilder();

for(int i=0;i<word.length();i++){

newChars.append((char) ((word.charAt(i) - 'a' + 1) % 26 + 'a'));

}

word.append(newChars);

}

return word.charAt(k - 1);

}

}