CheckKAnagrams.java

```
1    package com.example.string;
2
3    public class CheckKAnagrams {
4        static final int MAX_CHAR = 26;
5
6        public boolean areKAnagrams(String str1, String str2, int k) {
7            int n = str1.length();
8  1        if (str2.length() != n)
9  1            return false;
10
11           int[] hash_str1 = new int[MAX_CHAR];
12
13 2         for (int i = 0; i < n; i++)
14 2             hash_str1[str1.charAt(i) - 'a']++;
15
16           int count = 0;
17 2         for (int i = 0; i < n; i++) {
18 3             if (hash_str1[str2.charAt(i) - 'a'] > 0)
19 2                 hash_str1[str2.charAt(i) - 'a']--;
20             else
21 1                 count++;
22
23 2             if (count > k)
24 1                 return false;
25           }
26 1         return true;
27       }
28   }
```

Mutations

8	1. negated conditional → KILLED
9	1. replaced boolean return with true for com/example/string/CheckKAnagrams::areKAnagrams → KILLED
13	1. negated conditional → KILLED 2. changed conditional boundary → KILLED
14	1. Replaced integer addition with subtraction → KILLED 2. Replaced integer subtraction with addition → KILLED
17	1. negated conditional → KILLED 2. changed conditional boundary → KILLED
18	1. Replaced integer subtraction with addition → KILLED 2. negated conditional → SURVIVED 3. changed conditional boundary → KILLED
19	1. Replaced integer subtraction with addition → KILLED 2. Replaced integer subtraction with addition → SURVIVED
21	1. Changed increment from 1 to -1 → KILLED
23	1. negated conditional → KILLED 2. changed conditional boundary → KILLED

24	1. replaced boolean return with true for com/example/string/CheckKAnagrams::areKAnagrams → KILLED
26	1. replaced boolean return with false for com/example/string/CheckKAnagrams::areKAnagrams → KILLED

Active mutators

- CONDITIONALS_BOUNDARY
- EMPTY_RETURNS
- FALSE_RETURNS
- INCREMENTS
- INVERT_NEGS
- MATH
- NEGATE_CONDITIONALS
- NULL_RETURNS
- PRIMITIVE_RETURNS
- TRUE_RETURNS
- VOID_METHOD_CALLS

Tests examined

- com.example.string.CheckKAnagramsTest.test(com.example.string.CheckKAnagramsTest) (0 ms)

Report generated by [PIT](#) 1.15.0