count: X 2 }

G

d

"gecksforgeeksrujh"

"aaaa bbb GG Cdefghhhh iiiig g"

5

```java
public static String compress_02(String str) {
    StringBuilder sb = new StringBuilder();
    int n = str.length();
    sb.append(str.charAt(index: 0));
    int itr = 0, i = 1;
    while (i < n) {
        int count = 1;
        while (i < n && sb.charAt(sb.length() - 1) == str.charAt(i)) {
            i++;
            count++;
        }

        if (i < n) {
            if (count > 1) {
                sb.append(count);
            }
            sb.append(str.charAt(i));
            i++;
        }
    }

    return sb.toString();
}
```

sb: "g5b5 Cdefg43iog

dciog43iog

gbeci

g

gb

gbe

gbec

gbeci

$\begin{vmatrix} b \\ be \\ bec \\ beci \end{vmatrix} \begin{vmatrix} e \\ ec \\ eci \end{vmatrix} \begin{vmatrix} c \\ ci \end{vmatrix} \begin{vmatrix} i \end{vmatrix}$

(a, c, i, o, u)

4