# 38. Count and Say

## SOLUTION IN JAVA

class Solution {

public String countAndSay(int n) {

StringBuilder sb = new StringBuilder("1");

while (--n > 0) {

StringBuilder next = new StringBuilder();

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

int count = 1;

while (i + 1 < sb.length() && sb.charAt(i) == sb.charAt(i + 1)) {

++count;

++i;

}

next.append(count).append(sb.charAt(i));

}

sb = next;

}

return sb.toString();

}

}