420. Count and Say

* [Description](http://lintcode.com/en/problem/count-and-say/" \l "description)
* [Notes](http://lintcode.com/en/problem/count-and-say/#note)
* [Testcase](http://lintcode.com/en/problem/count-and-say/#testcase)
* [Judge](http://lintcode.com/en/problem/count-and-say/#judge)

Accepted

Total Runtime: 529 ms

100% test cases passed.

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#include <iostream>

#include <stdio.h>

using namespace std;

char buffer[100];

std::string to\_string(int k){

sprintf(buffer, "%d", k);

return std::string(buffer);

}

string contar(string s)

{

int i = 0;

string ans = "";

while (i < s.length()) {

char actual = s[i];

int cont = 0;

while (i < s.length() && actual == s[i]) {

cont++;

i++;

}

ans +=to\_string (cont) +actual;

}

return ans;

}

string countAndSay(int n)

{

// write your code here

string num = "1";

for (int i = 1; i < n; i++) {

num = contar(num);

// cout << num << endl;

}

return num;

}

int main() {

cout << countAndSay(5) << endl;

return 0;

}