Problem 6 : Count and say

```python
def countAndSay(n):

    if n == 1:

        return "1"


    prev_seq = countAndSay(n - 1)

    count = 1

    result = ""

    for i in range(len(prev_seq)):

        if i + 1 < len(prev_seq) and prev_seq[i] == prev_seq[i + 1]:

            count += 1

        else:

            result += str(count) + prev_seq[i]
            count = 1

    return result



num = 5

print("Input:", num)

print("Output:", countAndSay(num))
```

```
17   num = 5
18   print("Input:", num)
19   print("Output:", countAndSay(num))
20
```

input

```
Input: 5
Output: 111221


...Program finished with exit code 0
Press ENTER to exit console.
```