GoogleGames 2011
Pittsburgh

Submissions

Centauri Prime

7pt	Not attempted **28/30 users** correct (93%)
8pt	Not attempted **13/27 users** correct (48%)

Music Collection

8pt	Not attempted **12/12 users** correct (100%)
12pt	Not attempted **12/12 users** correct (100%)

Extreme Escalator Pogo

5pt	Not attempted **2/3 users** correct (67%)
10pt	Not attempted **1/2 users** correct (50%)

Top Scores

PeterLiang	45
trollmonkey1	30
prettypinkponies	30
jahooma	30
sjhakorea	30
jboning	20
Peterliang	20
WillDevanny	15
tjwilson	15
DFlat2	15

Problem A. Centauri Prime

This contest is open for practice. You can try every problem as many times as you like, though we won't keep track of which problems you solve. Read the Quick-Start Guide to get started.

Small input 1 7 points	Solve A-small-1
Small input 2 8 points	Solve A-small-2

Problem

Back in the old days before the creation of the mighty Centauri Republic, the planet Centauri Prime was split into several independent kingdoms. The kingdom of Mollaristan was ruled by king Loatold, while the kingdom of Auritania was under the rule of queen Elana. In fact, it just so happened that every kingdom whose name ended in a consonant was ruled by a king, while every kingdom whose name ended in a vowel was ruled by a queen. Also because of an amazing coincidence, all kingdoms whose named ended in the letter 'y' were constantly in a state of turmoil and were not ruled by anyone. Can you write a program that will determine the current rulers of several countries, given the countries' names?

Input

The first line of the input gives the number of test cases, **T**. **T** lines follow, each one containing the name of one country. Country names will consist of only lower case English letters, starting with a capital letter. There will be no other characters on any line, and no empty lines.

Output

For each test case, output one line containing "Case #**x**: **C** is ruled by **Y.**", where **x** is the case number (starting from 1), **C** is the country name, and **Y** is either "a king", "a queen" or "nobody".

Be careful with capitalization and the terminating period. Your output must be in exactly this format. See the examples below.

Limits

1 ≤ **T** ≤ 300.

Small dataset

Each country name will have between 3 and 20 letters.

Large dataset

Each country name will have at most 100 letters.

Sample

Input	Output
3 Mollaristan Auritania Zizily	Case #1: Mollaristan is ruled by a king. Case #2: Auritania is ruled by a queen. Case #3: Zizily is ruled by nobody.