ACM-ICPC Thailand Southern Programming Contest 2013

Hosted by
Department of Computer Engineering
Prince of Songkla University Hatyai Campus

10 August 2013

Contest Problems

- There are **8** problems (A-H) to solve within 3 hours 30 minutes.
- Solve as many problems as you can, in an order of your choice.
- Use C or C++ or Java to program at your convenience for any problems.
- Input and output of each program are **standard input** and **output**.

Problem A	Unlock My Safe
Problem B	Two Mysterious Alphabets from a Tree
Problem C	Max Volume
Problem D	Birthday Statistics
Problem E	Nonogram
Problem F	Jane's First Words
Problem G	Range Sum Query
Problem H	Sum of Distinct Numbers ผลรวมเลขไม่ซ้ำ

Problem F. Jane's First Words

Time Limit: 1s

Problem Description

Jane (my ~2 years-old baby daughter) has started speaking some simple words now. "*Daddy*" and "*Mommy*" are the two common first words. Hearing those words for the first time are indeed beautiful and memorable.

Last year, Steven really wanted to record when his baby called him for the first time. So, Steven put a microphone and sound capture program near Jane's baby cot (baby's bed). This microphone captured Jane's sounds and the program transmitted the list of words captured to Steven. He wrote a program to detect the moment when Jane's first call him: "daddy" (**or its variants**). This time, you will also write similar program.

Input

You are given one word per line. These are the list of captured sounds.
Each line contains only lowercase alphabet without any whitespaces and at most 20 characters.
Input is terminated with an EOF.

Output

For each word/line, output **"She called me!!!"** in one line if that word matches this regular expression below. Otherwise, output **"Cooing"** in one line (to say that this is just some baby soft murmuring sound).
Note: Quotes are only for clarity.

The regular expression (regex): **"da+dd?(ily)"**.
If you are not familiar with regex, let me explain:

'+' means *one or more* of the preceding element.
'?' means *zero or one* of the preceding element.
A vertical bar '|' separates alternatives.
Parentheses are used to define the scope and precedence of the operators.

Sample Input	Sample Output
aaaa eeeh auwww dda daaada daddy ouuuww dadi	Cooing Cooing Cooing Cooing Cooing She called me!!! Cooing She called me!!!

Problem Author

Dr Steven Halim, School of Computing, National University of Singapore