**How old are you?**

**Time limit: 1 second**

...

- Here are the filled form.

- Thank you. Let me check... hum... OK, OK, OK... Wait, how old are you?

- 20. Did I forget to fill it?

- No. It says here that you'll be born next month! The year is wrong...

- Oh... Sorry!

The process is going to be automatic and to avoid some human errors there will be a calculated field that informs the age based in the current date and the birth date given. This is your task, calculate the age, or say if there's something wrong.

**Input**

The first line of input gives the number of cases, T (1 ≤ T ≤ 200). T test cases follow. Each test case starts with a blank line, then you will have 2 lines corresponding to the current date and the birth date, respectively. The dates are in the format **DD**/**MM**/**YYYY**, where**DD** is the day, **MM** the month and **YYYY** the year. All dates will be valid.

**Output**

The output is comprised of one line for each input data set and should be as follow (quotes for clarifying only):

"Case #**N**: **AGE**", where **N** is the number of the current test case and **AGE** is one of the 3 following options:

* *"Invalid birth date"*, if the *calculated age* is impossible (still going to be born).
* *"Check birth date"*, if the *calculated age* is more than 130.
* the *calculated age* (years old only), otherwise.

**Sample input**

4

01/01/2007

10/02/2007

09/06/2007

28/02/1871

12/11/2007

01/01/1984

28/02/2005

29/02/2004

**Sample output**

Case #1: Invalid birth date

Case #2: Check birth date

Case #3: 23

Case #4: 0