**D : Eid Birthday**

We all have known about our birthday. And Eid day flows by the Arabic calendar. Eid Birthday means that the Eid and birthday are on the same day. The Arabic month contains 29 or 30 days depending on the moon. In common our birthday is counted in the English calendar which contains 28, 29, 30 or 31 days in a month. That's why the average day difference in a year between the Arabic and English calendars is 11 or it's closer. In this problem, we let the difference is 11 and every month of the English calendar as 30.

Now your job is to find how many years you have to live to get your Eid Birthday. Your friend is also interested to know about their own Eid Birthday. So you decided to solve it by programming. Now do it.

**NB:** Hear Eid dates are not exact Eid dates.

**Input :** First line of input take an integer 0<N<10^5 number of interested friend. And each N line contains two dates separated by a single space birthday and Eid day in the same year as flow as an example.

**Output :** For each N line print a single integer the number of years you have to live to get Eid birthday. If it’s over 100 years then say “Bad Luck”. 100 years is not Bad Luck, but 101 year will be Bad Luck.  
  
**Example :**  
**input:**  
5  
13/06/[2000 28](tel:2000%2018)/11/[2000](tel:2000)

08/07/1999 09/12/1999

02/07/1970 02/07/1970

02/10/1990 22/11/1990

30/01/2018 27/11/2018

**Output:**

Friend # 1 : 15

Friend # 2 : Bad Luck

Friend # 3 : 1

Friend # 4 : 68

Friend # 5 : 27