

# Bermuda Love Triangle

Bermuda triangle is also known as Devil's triangle. Many people disappeared their with their ships/planes. Love triangle is a triangle where when someone gets into it's uncertainty he disappears from himself. So bermuda love triangle is a triangle where there is uncertainty from each angle. Here is a story of Barmuda love triangle, where 3 vertex consists of 2 girls and a boy. Both of the girls love the boy and they are best friends also. The boy feels same for the both girls. So, its a Uncertainty-Uncertainty-Uncertainty triangle. As this can't go like this, they all want a solution. As students of CS department they found a solution.

The boy will be holding two infinite series in two hands, the first girl will pick a series, the 2nd girl gets the rest. Then the 2nd girl will tell a number  $x$  where both sequence will end. Now , whose result of the series will have a larger prime divisor will get the boy. If the result for both series is equal then they will all be friends.

Given the serieses, first girl's choice, second girl's choosen  $x$ , find who will win the boy, or they will be friends.

Series 1=  $1+2+3+4+5+6+\dots+x$

Series 2=  $0!+1*1!+2*2!+3*3!+4*4!+\dots+x*x!$

Use faster I/O

## Input

The first line contains an integer  $0 < t < 10000$  , number of testcases.

Next  $t$  lines contain 2 integer  $1 \leq s \leq 2$  and  $2 \leq x \leq 10^8$  , Here  $s$  is the choice of the first girl, and  $x$  is the end of the series.

## Output

For each testcase print "First" if the first girl wins the boy, print "Second" if the second one wins, "Friends" else.

## Example

**Input:**

4  
1 2  
2 50  
2 36  
1 20

**Output:**

Friends

First

Friends

Second