Two friends Chef and Chefina are currently on floors A and B respectively and need to reach the ground floor (ie. floor number 0) as soon as possible.
Chef can climb down X floors per minute while Chefina can climb down Y floors per minute.
Determine who will reach the ground floor first.

Input Format

- The first line of input will contain a single integer T, denoting the number of test cases.
- The first line of each test case contains four space-separated integers A, B, X, and Y — the current floor of Chef, the current floor of Chefina, speed of Chef and speed of Chefina in floors per minute respectively.

Output Format

For each test case, output on a new line:

- `Chef` if Chef reaches the ground floor first.
- `Chefina` if she reaches the ground floor first.
- `Both` if both reach the ground floor at the same time.

Sample 1:

Input	Output
4 2 2 2 2 4 2 1 5 3 2 4 1 3 2 2 1	Both Chefina Chef Chef

Explanation:

Test case 1: Chef is on the second floor and has a speed of 2 floors per minute. Thus, Chef takes 1 minute to reach the ground floor.
Chefina is on the second floor and and has a speed of 2 floors per minute. Thus, Chefina takes 1 minute to reach the ground floor.
Both Chef and Chefina reach the ground floor at the same time.

```python
# Update the code below to solve the problem

t = int(input())
for i in range(t):
    a, b, x, y = map(int,input().split())
    # if (v:=(a%x == 0)) == (p:=(b%y == 0)):
    #     print("both")
    z = a/x
    v = b/y
    if z == v:
        print("both")
    elif z < v:
        print("Chef")
    else:
        print("Chefina")
```

Test against Custom Input

```
4
2 2 2 2
4 2 1 5
3 2 4 1
```

Input

Run | Submit | Next

Explanation:

Test case 1: Chef is on the second floor and has a speed of 2 floors per minute. Thus, Chef takes 1 minute to reach the ground floor. Chefina is on the second floor and and has a speed of 2 floors per minute. Thus, Chefina takes 1 minute to reach the ground floor. Both Chef and Chefina reach the ground floor at the same time.

Test case 2: Chef is on the fourth floor and has a speed of 1 floor per minute. Thus, Chef takes 4 minute to reach the ground floor. Chefina is on the second floor and and has a speed of 5 floors per minute. Thus, Chefina takes 0.4 minutes to reach the ground floor. Chefina reaches the ground floor first.

Test case 3: Chef is on the third floor and has a speed of 4 floors per minute. Thus, Chef takes 0.75 minutes to reach the ground floor. Chefina is on the second floor and and has a speed of 1 floor per minute. Thus, Chefina takes 2 minutes to reach the ground floor. Chef reaches the ground floor first.

Test case 4: Chef is on the third floor and has a speed of 2 floors per minute. Thus, Chef takes 1.5 minutes to reach the ground floor. Chefina is on the second floor and and has a speed of 1 floor per minute. Thus, Chefina takes 2 minutes to reach the ground floor. Chef reaches the ground floor first.