 CODEFORCES
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A. Gellyfish and Tricolor Pansy

time limit per test: 1 second
memory limit per test: 256 megabytes

Gellyfish and Flower are playing a game called "Duel".

Gellyfish has a HP, while Flower has b HP.

Each of them has a knight. Gellyfish's knight has c HP, while Flower's knight has d HP.

They will play a game in rounds until one of the players wins. For $k = 1, 2, \ldots$ in this order, they will perform the following actions:

- If k is odd and Gellyfish's knight is alive:

  - Gellyfish's knight can attack Flower and reduce b by 1. If $b \leq 0$, **Gellyfish wins**. Or,
  - Gellyfish's knight can attack Flower's knight and reduce d by 1. If $d \leq 0$, Flower's knight dies.

- If k is even and Flower's knight is alive:

  - Flower's knight can attack Gellyfish and reduce a by 1. If $a \leq 0$, **Flower wins**. Or,
  - Flower's knight can attack Gellyfish's knight and reduce c by 1. If $c \leq 0$, Gellyfish's knight dies.

As one of the smartest people in the world, you want to tell them who will win before the game. Assume both players play optimally.

It can be proven that the game will never end in a draw. That is, one player has a strategy to end the game in a finite number of moves.
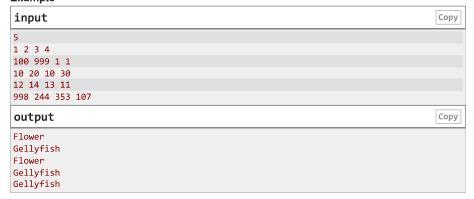
Input

Each test contains multiple test cases. The first line contains the number of test cases t ($1 \leq t \leq 10^4$). The description of the test cases follows.

The first and only line of each test case contains four integers a, b, c, d ($1 \leq a, b, c, d \leq 10^9$) — the HP of Gellyfish, the HP of Flower, the HP of Gellyfish's knight, and the HP of Flower's knight, respectively.

Output

For each test case, if Flower will win, output "Flower", otherwise output "Gellyfish".
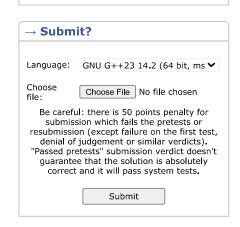
Example

input   [Copy]

```
5
1 2 3 4
100 999 1 1
10 20 10 30
12 14 13 11
998 244 353 107
```

output   [Copy]

```
Flower
Gellyfish
Flower
Gellyfish
Gellyfish
```

Note

In the first test case, Gellyfish has only 1 HP. Therefore, no matter what Gellyfish does in the first round, Flower's knight will attack Gellyfish in the second round, allowing Flower to win.

In the second test case, Flower's knight has only 1 HP. Gellyfish will attack Flower's knight in the first round. Then Flower's knight will no longer be able to attack, allowing Gellyfish to win.

→ **Submit?**

Language: GNU G++23 14.2 (64 bit, ms ▼)

Choose file: [Choose File] No file chosen

Be careful: there is 50 points penalty for submission which fails the pretests or resubmission (except failure on the first test, denial of judgement or similar verdicts). "Passed pretests" submission verdict doesn't guarantee that the solution is absolutely correct and it will pass system tests.

[Submit]

→ **Last submissions**

Submission	Time	Verdict
322255028	May/31/2025 18:38	**Pretests passed**
322252069	May/31/2025 18:34	Wrong answer on pretest 2
322249432	May/31/2025 18:31	Wrong answer on pretest 2
322246356	May/31/2025 18:27	Wrong answer on pretest 2
322198225	May/31/2025 17:43	Wrong answer on pretest 2
322191641	May/31/2025 17:38	Wrong answer on pretest 2

→ **Score table**

	Score
Problem A	374
Problem B	561
Problem C	935
Problem D	1496
Problem E	1870
Problem F	2244
Successful hack	100
Unsuccessful hack	-50
Unsuccessful submission	-50
Resubmission	-50

* If you solve problem on 01:03 from the first attempt