

# Cats and a Mouse



Two cats named  $A$  and  $B$  are standing at integral points on the x-axis. Cat  $A$  is standing at point  $x$  and cat  $B$  is standing at point  $y$ . Both cats run at the same speed, and they want to catch a mouse named  $C$  that's hiding at integral point  $z$  on the x-axis. Can you determine who will catch the mouse?

You are given  $q$  queries in the form of  $x$ ,  $y$ , and  $z$ . For each query, print the appropriate answer on a new line:

- If cat  $A$  catches the mouse first, print **Cat A**.
- If cat  $B$  catches the mouse first, print **Cat B**.
- If both cats reach the mouse at the same time, print **Mouse C** as the two cats fight and mouse escapes.

## Input Format

The first line contains a single integer,  $q$ , denoting the number of queries.

Each of the  $q$  subsequent lines contains three space-separated integers describing the respective values of  $x$  (cat  $A$ 's location),  $y$  (cat  $B$ 's location), and  $z$  (mouse  $C$ 's location).

## Constraints

- $1 \leq q \leq 100$
- $1 \leq x, y, z \leq 100$

## Output Format

On a new line for each query, print **Cat A** if cat  $A$  catches the mouse first, **Cat B** if cat  $B$  catches the mouse first, or **Mouse C** if the mouse escapes.

## Sample Input 0

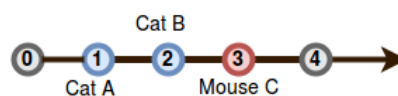
```
3
1 2 3
1 3 2
2 1 3
```

## Sample Output 0

```
Cat B
Mouse C
Cat A
```

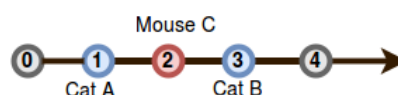
## Explanation 0

*Query 0:* The positions of the cats and mouse are shown below:



Cat  $B$  will catch the mouse first, so we print **Cat B** on a new line.

*Query 1:* In this query, cats  $A$  and  $B$  reach mouse  $C$  at the exact same time:



Because the mouse escapes, we print **Mouse C** on a new line.

